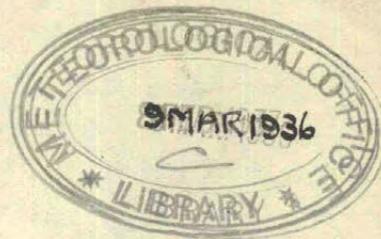


M.O. 402

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AIR MINISTRY

METEOROLOGICAL OFFICE



THE
MONTHLY WEATHER REPORT
FOR THE YEAR 1936

PUBLISHED BY THE
AUTHORITY OF THE METEOROLOGICAL
COMMITTEE



LONDON

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

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1937

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THE MONTHLY WEATHER REPORT, 1936

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P R E F A C E

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a résumé of observations from stations in the British Isles, 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 former "Monthly Summary" to the Weekly Weather Report. The meteorological data in the Quarterly Reports of the Registrar-General for England and Wales, for Ireland, and those given in the Annual Report of the Registrar-General for Scotland, are compiled from data used in the Monthly Weather Report. Additional information as to rainfall is to be found in the annual volumes of "British Rainfall." Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*, M.O. 191.

CHANGES IN 1936

In this Report unweighted averages of air-temperature and duration of sunshine for periods up to 30 years ending 1930 are used. The number of years used for each station is shown in the List of Stations on pp. vi-xii; further details will be found in *Averages of Temperature* (M.O. 364) and *Averages of Bright Sunshine* (M.O. 377) which contain the monthly and annual averages for all stations.

INFORMATION FOR PREVIOUS YEARS

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. The Monthly Weather Report commenced in 1884. The gap is bridged for telegraphic stations by a supplement to the Daily Weather Report and for other stations by tables in "Observations at Stations of the Second Order." A brief history of the development of the Monthly Weather Report will be found in the 1915 volume.

Most of the changes made in later years are indicated in this section of the preface in the volumes for 1927 to 1933.

The following list gives the dates of various series in which monthly values of meteorological elements for British stations are incorporated:—

International Form B: published in "Observations at Stations of the Second Order" ..	1873—1910
and in "Daily Readings at Stations of the First and Second Orders": <i>Annual Supplement</i>	1911—1921
Monthly Weather Report (with Annual Summary from 1905)	1884—date
Weather Summaries: Working forms preserved in Meteorological Office	1876—1902
International Form B: Working forms preserved in Meteorological Office	1902—date
For Royal Engineers' Stations: Abstract by Col. Sir H. James, London 1865	1853—1858
For Observatories: Quarterly Weather Report, 1869—1880; "Hourly Readings" or "Hourly Means" 1881—1907; British Meteorological and Magnetic Year Book 1908—1921; Observatories' Year Book 1922 onwards	1869—date
For Telegraphic Stations; Q.W.R. 1876—1880; D.W.R. Supplement 1881—1888; for selected telegraphic stations, revised monthly supplement to D.W.R., 1917 to date	1876—date
For Royal Meteorological Society Stations; Meteorological Record	1881—1911
For Scottish Stations: Journal of the Scottish Meteorological Society	1856—1919
Registrar-General's Returns (England)	1849—date
Registrar-General's Returns (Scotland)	1856—date
Registrar-General's Returns (Ireland)	1864—date
British Rainfall	1860—date

GENERAL ARRANGEMENT OF THE REPORT

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

a.—General remarks on the Weather over the British Islands under a brief heading descriptive of the special characteristics of the month.

b.—Table I.—Summaries for the twelve Districts of the temperature of the air, of differences from average of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the "district value" stations (*See below*).

The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations is printed below.

c.—Table II.—Summary of autographic records of wind.

All the records are obtained from instruments of the Dines Pressure Tube type except in the case of Kingstown.

d.—A plate of four maps showing:—

i. The monthly distribution of pressure and winds based on observations at telegraphic reporting stations; also the normal distribution of pressure for the month for the period 1881—1915. Isobars are drawn for intervals of 2 millibars or 1 millibar.

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 in hours per day.

e.—A full page map showing by means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 1,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In the case of air temperature, rainfall and sunshine, differences from average are given when available.

g.—Table III (a).—Temperature of the river Trent at Attenborough near Nottingham.

h.—Table III (b).—Observations of duration of starlight at the Royal Observatory, Greenwich, and at Porton, Wilts, and of cloud and fog by day at Greenwich.

i.—Table III (c).—Direct solar radiation at Kew Observatory.

j.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table.

k.—Notes on the Tables.

Tables III and IV together include the items comprised in the international form of monthly climatological summary, the Form B of the Report of the International Meteorological Committee, 1874; and they give, in addition, information regarding the duration of bright sunshine, earth temperature at 1 foot and 4 feet (both from 1906), the number of observations of winds of force 4-7 on the Beaufort Scale (from 1906), of winds of force 1-3 (from 1923), the number of days of fog (from 1906), the number of observations of different degrees of visibility (from 1923), the number of days of ground frost, i.e., minimum temperature on the grass, 30.4° F. and below (from 1908), and the pressure at mean sea level (from 1912).

DISTRICT VALUE STATIONS, 1936

The following are the stations, summaries from which are used for the computation of the district values of temperature, rainfall, earth temperature and sunshine, Table I:—

TR, Temperature and Rainfall: E1, Earth Temperature at 1 foot: E4, Earth Temperature at 4 feet: S, Sunshine.

DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.
0	Fort Augustus ..	TR - - -	4	Birmingham ..	TR E1 E4 S	7	Newton Rigg ..	TR - - S
	Inverness ..	TR - - S	<i>cont.</i>	Bradford ..	- E1 E4 -	<i>cont.</i>	Sealand ..	TR - - S
	Kirkwall ..	TR - - S		Bromyard ..	- E1 E4 -		Southport ..	TR E1 E4 S
	Lerwick ..	T - - S		Buxton ..	- E1 E4 -		Stonyhurst ..	TR - - S
	Stornoway ..	TR - - S		Harrogate ..	TR E1 E4 S	8	Bath ..	TR E1 E4 S
1	Aberdeen ..	TR - - S		Huddersfield ..	- E1 E4 -		Cardiff ..	- E1 E4 -
	Dundee ..	TR - - S		Meltham ..	- E1 - -		Cullompton ..	TR E1 - S
	Edinburgh ..	TR - - S		Nottingham ..	TR E1 E4 S		Falmouth ..	TR - - S
	Marchmont ..	TR - - S		Oxford ..	TR - - S		Ilfracombe ..	- E1 E4 -
	Nairn ..	TR - - S		Ross-on-Wye ..	TR - - S		Newquay ..	- E1 E4 -
6	Dumfries ..	TR E1 E4 S		Sheffield ..	- E1 E4 -		Plymouth ..	- E1 - -
	Eskdalemuir ..	TR - - S		Worksop ..	- E1 - -		Rhayader ..	TR - - S
	Oban ..	- - - S	5	Bournemouth ..	- E1 E4 -		St. Ann's Head ..	TR - - S
	Renfrew (Abbotsinch)	TR - - S		Brighton ..	- - E4 -		Swansea ..	- E1 E4 -
	Rothsay ..	TR E1 E4 S		Camden Square ..	- E1 E4 -	9	Armagh ..	TR E1 E4 S
2	Cockle Park ..	TR E1 E4 S		Eastbourne ..	- E1 E4 -		Birr Castle ..	TR - - S
	Cranwell ..	TR - - S		Enfield ..	- - E4 -		Blacksod Point ..	R - - -
	Durham ..	TR - - S		Hastings ..	TR E1 E4 S		Malin Head ..	TR - - S
	Hull ..	- E1 E4 -		Kew Obs. ..	TR E1 E4 S		Mallaranny ..	- - - S
	Scarborough ..	TR - - S		Margate ..	TR E1 E4 S		Markree Castle ..	TR E1 E4 S
	York ..	TR E1 E4 S		Marlborough ..	TR - - S	10	Ballinacurra ..	- - - S
3	Cambridge ..	TR E1 E4 S		Southampton ..	TR - - S		Birr Castle ..	TR E1 E4 S
	Clacton ..	TR E1 E4 S		Tunbridge Wells ..	- E1 - -		Dublin (City) ..	TR - - -
	Lowestoft ..	- E1 - -		Wisley ..	- E1 E4 -		„ (Phoenix Pk.) ..	- - - S
	Norwich ..	- E1 - -	7	Bolton ..	- E1 E4 -		„ (Trinity Coll.) ..	- E1 E4 -
	Rothamsted ..	TR - - S		Burnley ..	- E1 E4 -		Roches Point ..	TR - - -
	Tottenham ..	TR - E4 S		Darwen ..	- E1 E4 -		Valentia Obs. ..	TR - - S
	Yarmouth ..	TR E1 E4 S		Holyhead ..	TR - - S		Waterford ..	TR - - -
4	Belvoir Castle ..	- E1 E4 -		Manchester (City) ..	- E1 E4 -	11	Guernsey ..	TR E1 E4 S
							Jersey ..	TR - - S
							Scilly ..	TR - - S

Stornoway.—The “difference from average” in the case of rainfall continues to refer to Matheson Road.

Fort Augustus.—Averages of sunshine are not available owing to a defective recorder having been used in past years.

Oban.—Averages of rainfall for the new site are not yet available. The averages of temperature have now been found to be inapplicable to the new site, and the published values of “difference from average” should be deleted.

Blacksod Point.—A reliable average of temperature is not yet available.

LIST OF STATIONS

A list of the climatological stations of Tables III and IV and of the anemograph stations of Table II is given below. The list also contains, in italic type, the names of a few stations which contribute regular monthly returns but which do not appear in Tables II, III or IV. For additional information regarding the anemograph stations, reference should be made to the Annual Summary, p. 190.

In the Tables of the Monthly Weather Report the stations are arranged according to Districts and Counties. In the list printed herewith the alphabetical order is adopted. The latitude and longitude of each station are given, but not the height, as that is shown in the monthly issues.

Classification of stations.—Stations are classified as follows:—

- I. Normal Meteorological Observatory; Station of the First Order.—Continuous records or hourly readings of pressure, temperature, wind, sunshine, and rain, with eye observations of the amount, form, and motion of the clouds, and notes on the weather. The principal “distributive” stations maintained on aerodromes for supplying information to the Royal Air Force or to civil aviation services are included.
- II. Normal Climatological Station.—Daily observations at least twice a day, generally at 9 h. (9 a.m.) and 21 h. (9 p.m.) G.M.T. of pressure, temperature (wet and dry-bulb), wind, amount of cloud, and weather, with the daily maximum and minimum of temperature, the daily rainfall, and remarks on the weather. Observations of the range of visibility and records of sunshine are commonly obtained at these stations also. In this category are included all the stations of the second order of the International Classification and a few stations of the third order.
- III. Auxiliary Climatological Station, at which observations similar to those of a normal climatological station are made once a day only, generally at 9 h. (9 a.m.) G.M.T. This category includes most of the stations of the third order of the International Classification.

- T. Telegraphic Reporting Station.—Daily observations are made at 7h. (7 a.m.), 13 h. (1 p.m.) and 18 h. (6 p.m.) G.M.T., similar in general character to those taken at Normal Climatological Stations, and reported to the Office each day by telegraph. At some telegraphic stations an additional observation is made at 1 h. (1 a.m.) G.M.T. and also in a few of these cases at 21 h. (9 p.m.).
- II C.W.; III C.W. Normal Climatological Station or Auxiliary Climatological Station which is also a Crop Weather Station.—Crop Weather stations are stations which participate in the scheme for the investigation of the relationship between weather and crops inaugurated by the Ministry of Agriculture and the Board of Agriculture for Scotland in co-operation with the Meteorological Office.
- II H.; III H. Normal Climatological Station or Auxiliary Station which is also a Health Resort Station.—These Stations make special observations at 17 h. (5 p.m.) G.M.T. which are reported to this Office by telegram for communication to the newspaper press. Summaries of these special 17 h. (5 p.m.) observations are, however, not published in this volume.
- A.; II A.; III A.; T.A. Anemometer Station (which may also be a Normal Climatological Station, Auxiliary Station or Telegraphic Station) for which summaries are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

The publications for which the returns are prepared are indicated by the following letters:—

- | | |
|---|--|
| D. Daily Weather Report. Full return. | m. Monthly Weather Report. Table III, not Table IV. |
| d. Daily Weather Report. Abridged return. | μ. Monthly Weather Report. Wind velocity. |
| W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature. | m _o . Monthly Weather Report. Sunshine only. |
| w. Weekly Weather Report. Sunshine only. | O. The Observatories' Year Book.—This publication contains hourly values of meteorological and magnetic elements, diurnal inequalities for magnetism and for atmospheric electricity, absolute observations of magnetism and atmospheric electricity, seismological tables, upper air data, etc. |
| W ¹ . Registrar-General's Weekly Summary. | |
| M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather); and Table IV (Pressure, humidity, &c.) | |

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881–1915 and are “weighted” if the record is not complete for that period. The averages of rainfall are given in the Book of Normals, Section V.

Temperature and Sunshine (Table III).—The averages in nearly all cases refer to periods of from 10 to 30 years ending 1930. The length of period for each station is shown in the appropriate column of the List of Stations. Differences from averages of less than 30 years are printed in italics.

The averages are given in the following publications:—

- (1) Averages of Temperature for the British Isles for periods ending 1930 (M.O.364).
- (2) Averages of Bright Sunshine for the British Isles for periods ending 1930 (M.O. 377).

STANDARDS OF TIME

The Summer Time Act of 1925 fixes permanently the period in each year during which Summer Time is in force.

In 1936 the period adopted was from April 19 to October 3. Between these dates the public clocks were one hour in advance of Greenwich Mean Time. Observers were recommended to make their observations at the same hours by Greenwich Time throughout the year. At nearly all stations this recommendation was adopted, but in a very few cases circumstances made it necessary to adhere to the same hour by clock time. The actual hours of observation are given in Table III of the monthly issues.

The stations at which the hours of observation are referred to Local Mean Time are given in the Notes to the Tables, printed on the last page of each monthly issue. Two Irish stations are included, but when the use of Dublin Time for civil purposes was discontinued in Ireland from October 1st, 1916, other stations advanced their observations by 25 minutes and adopted Greenwich Time.

SEA-TEMPERATURE

Returns of sea-temperatures are received by the Meteorological Office from certain ships, lightships and coast stations. The average temperatures of the seas round the British Isles for the months of the year 1936 are shown by large figures on the maps in the monthly issues of this report. Coast stations are not used in deriving these averages.

LIST OF STATIONS

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			N.	°			Temp. Sun- shine.	
Aber (University Coll. Farm)	7	Carnarvon ..	53 14	4 1W.	III C.W.	m.	— —	Prof. R. G. White.
Aberdeen (Observatory)	1	Aberdeen ..	57 10	2 6W.	I	D,W,W ¹ ,M,O,μ.	30 30	Assistant-in-Charge.
Aberystwyth ..	8	Cardigan ..	52 25	4 4W.	III H.	d,m.	25 25	The Town Clerk.
Aberystwyth, P.B.S. ..	8	Cardigan ..	52 25	4 3W.	III C.W.	m.	— —	Prof. R. G. Stapledon, M.A., Plant Breeding Station.
Achnashellach ..	0	Ross and Cromarty	57 29	5 16W.	III	m.	— —	The Forester-in-Charge, for Forestry Commission (Scotland).
Addington (Hills Res.)	5	Surrey ..	51 22	0 4W.	III	m.	30 —	Borough Engineer, Croydon.
Aldergrove (Aerodrome)	9	Antrim ..	54 39	6 13W.	I	D,Mμ.	— —	Meteorological Officer.
Alderwasley ..	4	Derbyshire ..	53 4	1 31W.	III	—	— —	The General Camps Chief.
Ambleside ..	7	Westmorland ..	54 26	2 57W.	III H.	m.	— —	The Clerk to the Council.
Amesbury ..	..	..	..	..	..	..	..	See Boscombe Down.
Ampleforth (College) ..	2	Yorkshire (N.R.)	54 12	1 5W.	III	m.	30 —	Rev. J. B. Boyan, O.S.B.
Appleby ..	7	Westmorland ..	54 34	2 30W.	III	m.	22 —	Lady Holmes.
Arbroath ..	1	Angus ..	56 33	2 35W.	II	m.	30 —	The Town Council. (J. W. Robertson.)
Ardingly ..	5	Sussex ..	51 4	0 5W.	III	m.	15 —	Lady Wakehurst of Ardingly.
Ardornish ..	..	..	..	..	..	..	..	See Morvern.
Arlington Court ..	8	Devonshire ..	51 8	3 58W.	III	m.	30 —	Miss Chichester.
Armagh (Observatory)	9	Armagh ..	54 21	6 39W.	II	W,M.	30 30	The Director of Observatory (M.O.).
Ascot (Heatherwood) ..	5	Berkshire ..	51 25	0 41W.	II	m.	— —	The Medical Superintendent, Heatherwood Hospital.
Askham Bryan ..	4	Yorkshire (W.R.)	53 55	1 10W.	III C.W.	m.	— —	University of Leeds.
Attenborough ..	4	Nottingham ..	52 55	1 13W.	III	m.	— —	Messrs. Granger.
Auchincruive ..	6	Ayr ..	55 29	4 34W.	III	m.	— —	West of Scotland College of Agriculture.
Ayr ..	6	Ayr ..	55 29	4 37W.	II	m,W ¹ .	— —	Medical Officer of Health.
Balbriggan (Ardgillan)	10	Dublin ..	53 35	6 10W.	III	m.	30 —	Capt. E. R. Taylor.
Balerno (Shothead) ..	1	Midlothian ..	55 52	3 21W.	III	—	— —	A. D. Buchanan Smith, Esq.
Ballinacurra (Midleton)	10	Cork ..	51 52	8 10W.	III	w,m.	26 25	The late John H. Bennett, Esq.
Balmakewan ..	..	..	..	..	..	..	..	See Marykirk.
Balmoral ..	1	Aberdeen ..	57 2	3 12W.	III	m.	25 —	R. F. Chalmers, Esq.
Baltasound (Halligarth)	0	Shetlands ..	60 46	0 50W.	III	m.	26 24	T. Edmonston Saxby, Esq., F.R.F.P.S. (Glas.), J.P.
Banff ..	1	Banff ..	57 40	2 31W.	II H.	m.	10 16	The Town Council. (I. H. Gordon.)
Barnstaple ..	8	Devon ..	51 5	4 3W.	III	—	— —	The Librarian, North Devon Athenæum.
Barra (Craigston) ..	0	Hebrides ..	56 59	7 30W.	III	—	— —	James Reilly, Esq.
Bath ..	8	Somerset ..	51 23	2 21W.	III H.	d,W,M,W ¹ .	25 27	Medical Officer of Health.
Beachy Head (C. Guard Stn.) ..	5	Sussex ..	50 44	0 15E.	T.	m.	— —	The Chief Officer, (M.O.).
Bell Rock Lighthouse	1	Angus ..	56 26	2 24W.	A.	μ.	— —	The Head Keeper, (M.O.).
Bellingham ..	2	Northumberland	55 13	2 18W.	III	m.	22 —	Sir Claude Morrison-Bell, Bart.
Belper (School) ..	4	Derby ..	53 1	1 29W.	III	m.	20 —	Herbert Strutt Secondary School.
Belvoir Castle ..	..	..	..	..	..	..	..	See Grantham.
Berwick-on-Tweed ..	2	Northumberland	55 46	2 0W.	III H.	d,m.	— —	Borough Surveyor.
Bexhill (Egerton Park)	5	Sussex ..	50 50	0 28W.	III H.	—	— —	The Borough Council. (H. J. Sargent.)
Bidston Observatory ..	..	..	..	..	..	..	..	See Birkenhead.
Biggin Hill (Aerodrome)	5	Kent ..	51 19	0 2E.	T.	M.	10 10	Assistant-in-Charge.
Bingley ..	4	Yorkshire (W.R.)	53 51	1 51W.	III	—	— —	The Director, St. Ives Research Station.
Birkenhead (Bidston Obs.)	7	Cheshire ..	53 24	3 4W.	III	M,W ¹ ,μ	30 23	The Director.
Birmingham ..	..	..	..	..	..	..	..	..
(Edgbaston) ..	4	Warwick ..	52 29	1 56W.	T.A.	D,W,M,W ¹ ,μ.	11 30	Midland Institute. (A. J. Kelley.)
(Sparkhill) ..	4	Warwick ..	52 27	1 51W.	III	m.	23 —	D. H. Owen, Esq.
Birr Castle ..	10	Offaly ..	53 6	7 56W.	T.	D,W,M.	10 30	The Earl of Rosse.
Blackford Hill ..	..	..	..	..	..	..	..	See Edinburgh.
Blackpool ..	7	Lancashire ..	53 49	3 3W.	III H.	d.	25 30	Medical Officer of Health.
Blacksod Point ..	9	Mayo ..	54 6	10 4W.	T.	D,W,M.	— —	Sub-Postmistress, (M.O.)
Boghall ..	..	..	..	..	..	..	..	See Edinburgh.
Bognor Regis ..	5	Sussex ..	50 47	0 41W.	III H.	d.	30 25	The Town Clerk.
Bolton ..	7	Lancashire ..	53 35	2 27W.	III	m.	30 30	The Corporation. (E. Hendy.)
Boscombe Down (Aero.)	5	Wiltshire ..	51 10	1 45W.	I	D,M.	— —	Meteorological Officer.
Bournemouth (Vale View)	5	Hampshire ..	50 43	1 53W.	III H.	d,m.	25 27	The Corporation. (A. C. Marsh, F.R.Met.
Bradford (Lister Park)	4	Yorkshire (W.R.)	53 49	1 46W.	III	m,W ¹ .	23 23	The Corporation. [Soc.]
Braemar ..	1	Aberdeen ..	57 0	3 24W.	II	M.	30 —	John Campbell, Esq.
Bridlington (School) ..	2	Yorkshire (E.R.)	54 5	0 13W.	III H.	—	10 11	The Headmaster.
Brighton ..	5	Sussex ..	50 49	0 8W.	III H.	d, M,W ¹ .	25 30	Medical Officer of Health.
Bristol ..	..	..	..	..	..	..	..	See Horfield.
Bromley ..	5	Kent ..	51 24	0 1E.	III	m.	— —	Borough Engineer.
Bromyard ..	4	Hereford ..	52 11	2 30W.	III	m.	20 —	Miss M. A. Philpott.
Buddon Ness Lighthouse	..	..	..	..	..	..	..	See Carnoustie.
Bude ..	8	Cornwall ..	50 50	4 33W.	III H.	d.	12 17	Clerk to the U.D.C.
Bungay (Flixton) ..	3	Suffolk ..	52 25	1 23E.	III	m.	10 —	Sir Shafto Adair, Bart.
Bunhill Row ..	..	..	..	..	..	..	..	See London.
Burnley ..	7	Lancashire ..	53 48	2 15W.	III	m,W ¹ .	22 23	Medical Officer of Health.
Butt of Lewis (Lighthouse) ..	0	Hebrides ..	58 31	6 16W.	A.	μ.	— —	Principal Keeper, (M.O.).
Buxton ..	4	Derby ..	53 16	1 55W.	III H.	m.	25 23	The Town Clerk.
Byfleet (Wisley R.H.S. Gdns.) ..	5	Surrey ..	51 17	0 26W.	III C.W.	M.	27 27	The Director.
Calshot (Aerodrome) ..	5	Hampshire ..	50 49	1 18W.	I	D,M,μ.	10 10	Meteorological Office. (Officer-in-Charge.)
Cambridge (Bot. Gdns.)	3	Cambridge ..	52 12	0 8E.	II	W,M.	30 30	The Curator.
Cambridge (Univ. Farm)	3	Cambridge ..	52 12	0 8E.	III C.W.	m.	— —	The Director.
Camden Square ..	..	..	..	..	..	..	..	See London.
Cannington ..	8	Somerset ..	51 9	3 4W.	III C.W.	m.	— —	The Principal, Cannington Court Farm Institute.
Canterbury ..	5	Kent ..	51 17	1 5E.	III	m.	15 —	A. Lander, Esq.
Cantref (Cardiff Water-works) ..	8	Brecknock ..	51 50	3 27W.	III	m.	— —	The Water Engineer, Cardiff.
Cardiff ..	8	Glamorgan ..	51 28	3 10W.	II	M,W ¹ .	27 23	Medical Officer of Health.
Cardington (R.A.W.) ..	3	Bedford ..	52 7	0 25W.	A.	μ.	— —	The Superintendent (M.O.).

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
Cardross	6	Dumbarton ..	55 58	4 38W.	III	m.	22 22	Claud A. Allan, Esq.
Carluke (Law Junction)	6	Lanark	55 45	3 53W.	III	m.	— —	W. A. Galbraith, Esq.
Carnoustie	1	Angus	56 30	2 42W.	III	m.	14 19	Burgh Surveyor.
<i>Carnoustie (Buddon Ness Lighthouse)</i> ..	1	Angus	56 28	2 44W.	III	—	— —	Dundee Harbour Trust (J. Hannay Thom- son).
Carrick-on-Suir (Seskin)	10	Waterford ..	52 21	7 24W.	II	M.	17 17	L. Grubb, Esq.
Castleton	2	Yorkshire (N.R.)	54 28	0 56W.	III	m.	— —	Miss Muriel H. Punch.
Catterick (Aerodrome)	2	Yorkshire (N.R.)	54 22	1 37W.	I	D,M.	— —	Meteorological Officer. <i>See Hartest.</i>
Chadacre								
Chelmsford (Agric. Station)	3	Essex	51 42	0 29E.	III C.W.	m.	— —	The Principal, East Anglian Institute of Agriculture.
Chelmsford (County Gdns.)	3	Essex	51 44	0 27E.	III	m.	— —		See London.
<i>Chelsea</i>								
Cheltenham (Montpellier Gdns.)	4	Gloucester ..	51 54	2 3W.	II H.	d,M.	25 24	The Town Clerk. <i>See Rowlands Gill.</i>
Chopwellwood ..								G. C. Faber, Esq.
Ciliau Aeron	8	Cardigan ..	52 13	4 11W.	III	M.	— —	The Principal, Royal Agricultural College.
Cirencester	4	Gloucester ..	51 42	2 0W.	III C.W.	m.	15 15	The Town Clerk.
Clacton-on-Sea ..	3	Essex	51 47	1 9E.	III H.	d,W,m.	20 26	
Cleethorpes (King's Parade) ..	2	Lincolnshire ..	53 33	0 1W.	III H.	d,m.	— —	The Engineer and Surveyor. <i>See Morpeth.</i>
Cockle Park								
Collooney (Markree Cas- tle)	9	Sligo	54 11	8 27W.	II	W,M.	30 30	The Late Major Cooper's Trustees.
Colmonell	6	Ayr	55 8	4 57W.	III	m.	23 —	D. D. Gordon for Capt. McConnel.
Colonsay	6	Argyll	56 5	6 11W.	III	m.	— —	Murdo McNeill for Lord Strathcona.
Colwyn Bay (Eirias Park)	7	Denbigh	53 16	3 44W.	III H.	d,m.	17 22	Borough Surveyor.
Copdock	3	Suffolk	52 2	1 5E.	III	m.	29 17	F. L. Bland, Esq.
Cork (Univ. Coll.) ..	10	Cork	51 54	8 29W.	III	m.	— —	Prof. H. N. Walsh.
Coventry (City Hos- pital)	4	Warwick	52 25	1 30W.	III	m.	30 25	Medical Officer of Health. <i>See Dyce.</i>
Craibstone								<i>See Barra.</i>
<i>Craigston</i>								
Cranwell (Aerodrome)	2	Lincolnshire ..	53 2	0 31W.	I	D,W,M, μ .	10 10	Meteorological Office. (Officer-in-Charge.)
Crieff (Strathearn Hy- dro)	1	Perth	56 22	3 50W.	II	M.	30 —	George Reid for Dr. Gordon Meikle.
Cromer	3	Norfolk	52 56	1 17E.	III H.	M.	23 28	Clerk to the Urban District Council. <i>See Addington.</i>
Croydon (Addington)								Meteorological Office. (Officer-in-Charge.)
Croydon	5	Surrey	51 21	0 7W.	I	D,M, μ .	10 10	Murray T. Foster, Esq.
Cullompton	8	Devonshire ..	50 51	3 23W.	III	W,m.	30 30	The Medical Superintendent.
Cupar (Asylum) ..	1	Fife	56 19	3 1W.	III	m.	28 —	
Dalwhinnie	0	Inverness ..	56 56	4 14W.	T.	D,M.	— —	J. Phillips (M.O.)
Darwen	7	Lancashire ..	53 41	2 28W.	II	m.	23 23	Medical Officer of Health.
<i>Datchet</i>	4	Buckingham ..	51 30	0 34W.	III	—	— —	Imperial Chemical Industries, Ltd.
<i>Deal</i>	5	Kent	51 13	1 24E.	III H.	d.	— 10	The Town Clerk.
Deerness	0	Orkney	58 56	2 45W.	II	M.	30 30	W. J. Moar, Esq.
Donaghadee (C. Guard Stn.)	9	Down	54 38	5 31W.	III.	m.	20 —	Station Officer (M.O.).
<i>Doncaster</i>	4	Yorkshire (W.R.)	53 31	1 6W.	II	—	— —	The Corporation.
Douglas	6	Isle of Man ..	54 10	4 28W.	III H.	d,M.	25 30	Borough Surveyor.
Dover (Waterloo Cres.)	5	Kent	51 7	1 19E.	III H,A.	d,m, μ .	18 20	Borough Engineer.
<i>Dovercourt</i>	3	Essex	51 57	1 16E.	III H.	d.	— —	Borough Surveyor, Harwich.
Dublin:—								
City (Fitzwilliam Sq.)	10	Dublin	53 20	6 15W.	II	W,m.	30 —	Sir John W. Moore, M.D., D.Sc.
Glasnevin (Botanic Gdns.)								<i>See Glasnevin.</i>
Phoenix Park	10	Dublin	53 22	6 21W.	II	w,m.	30 30	The Director, Ordnance Survey Office.
Trinity College ..	10	Dublin	53 21	6 16W.	II	m.	27 —	R. W. Ditchburn, Esq.
Dumfries	6	Dumfries	55 3	3 36W.	II	W,m.	30 21	Crichton Royal Institution. (C. C. Easterbrook, M.D.).
Dunbar (Public Park)	1	E. Lothian ..	56 0	2 31W.	III H.	d,m.	— —	The Town Council. (The late Sir W. Keith).
Dundee (Mayfield) ..	1	Angus	56 28	2 56W.	III	W,m,W ¹ .	15 15	The Director of Studies.
<i>Dundee (Harbour)</i> ..	1	Angus	56 28	2 58W.	III	—	— —	Dundee Harbour Trust. (J. Hannay Thomson).
Dunfanaghy Road ..	9	Donegal	55 11	7 58W.	A.	μ .	— —	Londonderry and Lough Swilly and Letter- kenny Railway.
Dunfermline	1	Fife	56 4	3 28W.	II H.	m,W ¹	— —	The Carnegie Dunfermline Trust. <i>See Strathaven.</i>
Dungavel								Chief Officer R.N. Signal Station, (M.O.).
Dungeness	5	Kent	50 55	0 58E.	T.	D,M.	10 —	Forestry Commission (Scotland).
Dunoon (Ben More) ..	6	Argyll	56 2	4 59W.	III C.W.	m.	— —	The Town Council. (W. Rodger, Esq.).
Dunoon	6	Argyll	55 58	4 56W.	III H.	m.	— —	Seton Gordon, Esq.
Duntulm	0	Inverness ..	57 39	6 22W.	III	m.	— —	University Observatory. (F. Sargent).
Durham	2	Durham	54 46	1 35W.	II	W,M.	30 30	County Education Committee.
, (Houghall Hort. Stn.)	2	Durham	54 45	1 35W.	III C.W.	m.	— —	Aberdeen and North of Scotland College of Agriculture.
Dyce (Craibstone) ..	1	Aberdeen ..	57 11	2 12W.	III C.W.	m.	— —	The Head Master.
Earls Colne (Grammar School)	3	Essex	51 55	0 42E.	III	m.	— —	Medical Officer of Health. <i>See London.</i>
Eastbourne (Wilmington Sq.)	5	Sussex	50 46	0 17E.	II H.	d,m.	30 30	The Director.
East Ham								<i>See Birmingham.</i>
East Malling (Research Stn.)	5	Kent	51 17	0 24E.	III C.W.	m.	— —	The Astronomer Royal for Scotland.
Edgbaston								Edinburgh and East of Scotland College of Agriculture.
Edinburgh:—								Edinburgh and East of Scotland College of Agriculture.
Blackford Hill ..	1	Midlothian ..	55 55	3 11W.	II A.	W ¹ ,W,M, μ .	30 30	Edinburgh and East of Scotland College of Agriculture.
Boghall	1	Midlothian ..	55 52	3 12W.	III C.W.	m.	— —	Edinburgh and East of Scotland College of Agriculture.
Liberton (College Farm)	1	Midlothian ..	55 55	3 10W.	III	m.	— —	Professor Sir T. Hudson Beare, F.R.S.E.
University, (King's Buildings)	1	Midlothian ..	55 55	3 11W.	III	m.	— —	

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			N.	W.			Temp. Sun- shine.	
Ellbridge (Experimental Stn.)								See St. Mellion.
Enfield								See London.
Eskdalemuir (Observatory)	6	Dumfries	55 19	3 12W.	I	D,W,M, μ ,O.	21 21	The Superintendent.
Exmouth	8	Devon	50 36	3 24W.	III H.	—	17 17	The Engineer, U.D.C.
Falmouth (Observatory)	8	Cornwall	50 9	5 5W.	III H.	m,W.	25 30	The Supt., for Royal Cornwall Polytechnic Society.
" (Pendennis C. Guard Stn.)	8	Cornwall	50 9	5 3W.	A.	μ .	— —	Station Officer (M.O.).
Felixstowe (Aerodrome)	3	Suffolk	51 57	1 20E.	I A.	D,M, μ .	10 26	Meteorological Officer.
Felixstowe	3	Suffolk			III H.	m.	— —	The Engineer and Surveyor.
Fleetwood	7	Lancashire	53 56	3 1W.	A.	μ .	— —	Borough Council. (M.O.)
Fleetwood	7	Lancashire	53 56	3 1W.	III H.	—	— —	The Town Clerk.
Fochabers (Gordon Castle)	1	Moray	57 37	3 5W.	II	m.	30 22	C. Webster, for the Duke of Richmond and Gordon, K.G.
Folkestone	5	Kent	51 5	1 11E.	III H.	d,m.	20 25	Borough Engineer.
Forres	1	Moray	57 37	3 36W.	III H.	m.	— —	The Town Clerk.
Fort Augustus (Abbey)	0	Inverness	57 8	4 40W.	III	W,m.	30 —	The Procurator.
Fortrose	0	Ross and Cromarty	57 35	4 8W.	III	m.	20 20	The Town Council (Malcolm Matheson).
Fort William	0	Inverness	56 49	5 7W.	III	m.	22 —	Jas. W. Ainslie, Esq.
Fowey	8	Cornwall	50 21	4 38W.	III	m.	20 20	The Town Clerk.
Foynes	10	Limerick	52 37	9 7W.	III	m.	30 —	The Lord Monteagle, C.M.G., M.V.O.
Gibraltar	—	—	36 6	5 21W.	II	M.	10 —	King's Harbour Master.
Giggleswick (School)								See Settle (Giggleswick School).
Glasgow University	6	Lanark	55 52	4 17W.	III	m,W ¹ .	25 —	Prof. J. R. Currie, M.D., D.P.H.
Glasnevin (Botanic Gdns.)	10	Dublin	53 23	6 16W.	II	M.	30 —	The Keeper.
Glenbranter								See Strachur.
Gordon Castle								See Fochabers.
Gorleston (C. Guard Stn.)	3	Norfolk	52 35	1 43E.	T.A.	D,M,W, μ .	10 23	Station Officer (M.O.).
Goudhurst (Bedgebury Forest)	5	Kent	51 5	0 27E.	III	m.	— —	Forestry Commission.
Grantham (Belvoir Castle)	4	Leicester	52 54	0 47W.	II	m.	30 25	The Duke of Rutland, K.G.
Greenock	6	Renfrew	55 56	4 46W.	II	W ¹ ,m.	30 —	J. MacAlister, Esq., M.Inst.C.E.
Greenwich								See London.
Guernsey (St. Peter Port)	11	Channel Islands	49 27	2 33W.	T.H.	D,M,W.	11 26	States Meteorological Committee.
Gulval (Experimental Stn.)	8	Cornwall	50 8	5 32W.	III C.W.	m.	— —	Cornwall County Council.
Halstead	3	Essex	51 57	0 38E.	III	m.	30 —	F. N. Adams, Esq.
Halton	4	Buckingham	51 46	0 43W.	III	m	— —	R.A.F. Inst. of Pathology.
Hampstead Res.								See London.
Harpenden (Rothamsted)	3	Hertford	51 48	0 22W.	III C.W.	W.M.	30 30	Lawes Agricultural Trust.
Harrogate	4	Yorkshire (W.R.)	54 0	1 33W.	III H.	W.M.	20 30	Borough Corporation.
Hartest (Chadacre Agric. Inst.)	3	Suffolk	52 8	0 42E.	III C.W.	m.	— —	The Principal.
Hastings (White Rock)	5	Sussex	50 51	0 34E.	II H.	d,W,M.	25 30	Town Clerk.
Haverfordwest	8	Pembroke	51 48	4 58W.	II	m.	30 29	The Borough Surveyor.
Hawarden Bridge	7	Flint	53 12	3 1W.	III	m.	30 —	Messrs. John Summers and Sons, Ltd.
Hawick (Wolfelee)	1	Roxburgh	55 23	2 39W.	III	m.	30 —	T. Lockie for Mrs. Browne.
Hazelhatch (Peamount San)								See Newcastle.
Helensburgh (Valve House)	6	Dumbarton	56 1	4 43W.	III	m.	30 20	Burgh Surveyor.
Hereford (Belmont Abbey)	4	Hereford	52 5	2 45W.	III	m.	30 —	The Abbot.
Herne Bay	5	Kent	51 22	1 7E.	III H.	—	— —	The Surveyor.
Hillsborough	9	Down	54 27	6 4W.	III	m.	— —	The Secretary, Agricultural Research Institute.
Hinckley	4	Leicester	52 32	1 22W.	II	—	— —	E. H. Salter, Esq. [stitute.
Hodsock								See Worksop.
Holton Heath								See Poole.
Holyhead	7	Anglesey	53 19	4 37W.	I	D,W,M, μ .	10 18	Meteorological Office, Assistant-in-Charge.
Horfield	4	Gloucester	51 29	2 35W.	II	m.	— —	George H. Brown, Esq.
Horseheath	3	Cambridge	52 5	0 22E.	III	—	— —	Major E. P. Kingzett.
Houghall (Hort. Station)								See Durham.
Hoylake (Rec. Ground)	7	Cheshire	53 23	3 12W.	III	m.	30 30	The Surveyor.
Huddersfield (Ravensknowle)	4	Yorkshire (W.R.)	53 38	1 45W.	II	m,W ¹ .	24 24	The Corporation (Dr. Woodhead).
Huddersfield (Oakes)	4	Yorkshire (W.R.)	53 39	1 50W.	III	m.	— —	S. Morris Bowyer, Esq.
Hull (Pearson Park)	2	Yorkshire (E.R.)	53 45	0 16W.	II	m,W ¹ .	30 —	The General Superintendent, Parks, Cemeteries and Allotments Dept.
Hunstanton	3	Norfolk	52 57	0 29E.	III H.	m.	— —	Hunstanton Advancement Association.
Hutton	7	Lancashire	53 44	2 45W.	III	M.	18 18	The Director of Education for the Lancashire County Council.
Ilfracombe (Bowling Green)	8	Devonshire	51 12	4 8W.	III H.	d,m.	25 20	The Surveyor.
Ilkley	4	Yorkshire (W.R.)	53 55	1 50W.	III H.	d.	— —	The Engineer and Surveyor.
Inchkeith (Lighthouse)	1	Fife	56 2	3 8W.	T.	D.M.	10 —	Lightkeeper (M.O.).
Inverness	0	Inverness	57 26	4 13W.	II	W.M.	25 22	The Town Council. (Malcolm McPhee.)
Jersey (St. Heliers)	11	Channel Islands	49 11	2 6W.	III H.	d,W,m.	25 30	The Greffier.
Kensington								See London.
Kelso (Broomlands)	1	Roxburgh	55 36	2 25W.	III	m.	30 —	J. C. Scott, Esq.
Keswick	7	Cumberland	54 36	3 9W.	III	m.	27 12	Clerk to the Urban District Council.
Kettins	1	Angus	56 32	3 14W.	III	m.	21 —	W. B. Ogilvie, Esq.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			° N.	° /			Temp. Sun- shine.	
Kew Observatory ..								See London.
Killerton ..								See Silverton.
Kilmarnock (Kay Park)	6	Ayr ..	55 37	4 29W.	III	W ¹	23 23	W. Dunbar, Esq., C.E.
Kingstown Harbour ..	10	Dublin ..	53 17	6 8W.	A.	μ	— —	The Office of Public Works.
Kingsway ..								See London.
Kirkcaldy								
(Victoria Hosp.) ..	1	Fife ..	56 8	3 10W.	III	m, W ¹	17 —	Medical Officer of Health.
Kirkwall ..	0	Orkney ..	58 59	2 57W.	III A.	W, m, μ.	24 30	The Town Council.
Lancaster (Greg Obsy)	7	Lancashire ..	54 3	2 47W.	III	m.	26 25	The Corporation (Neville Holden, F.R.A.S.).
Larkhill								
(School of Artillery)	5	Wilts ..	51 11	1 48W.	II A.	M, μ.	10 —	Meteorological Officer.
Leamington Spa ..	4	Warwick ..	52 18	1 30W.	III H.	d.	13 19	Medical Officer of Health.
Leckford ..	5	Hampshire ..	51 7	1 26W.	III	m.	— —	The Managing Director, Leckford Estate, Ltd.
Lerwick Observatory ..	0	Shetlands ..	60 8	1 11W.	I	μ, O.	— —	Meteorologist-in-Charge.
Lerwick (The Nabb								
C. Guard Stn.) ..	0	Shetlands ..	60 9	1 8W.	T.	D.W.M.	10 10	District Officer (M.O.).
Leuchars (Aerodrome)	1	Fife ..	56 23	2 53W.	I	D.M.	10 10	Meteorological Officer.
Leyland ..	7	Lancashire ..	53 41	2 42W.	III	m.	19 20	H. Nowell farington, Esq.
Liberton (College Farm)								See Edinburgh.
Lisburn (School) ..	9	Antrim ..	54 31	6 3W.	III	—	18 —	The Headmaster.
Littlehampton ..	5	Sussex ..	50 48	0 32W.	III H.	d.	10 15	The Clerk to the U.D.C.
Liverpool (Bidston) ..								See Birkenhead.
Lizard, The								
(C. Guard Stn.) ..	8	Cornwall ..	49 57	5 12W.	T.A.	D.M, μ.	— —	Station Officer (M.O.).
Llandudno ..	7	Carnarvon ..	53 20	3 50W.	III H.	d.M.	25 30	Medical Officer of Health.
Llandrindod Wells ..	8	Radnor ..	52 14	3 21W.	III H.	M.	— —	Clerk to the U.D.C.
Llety-ewan-hen								See Talybont.
Logie Coldstone ..	1	Aberdeen ..	57 8	2 55W.	III	m.	30 —	Duncan Paterson, Esq., M.A., B.Sc.
London:—								
Bunhill Row ..	Lon.	London ..	51 31	0 5W.	(Sunshineonly)	d, m, μ.	— 30	Messrs. T. De La Rue & Co., Ltd.
Camden Square ..	Lon.	London ..	51 33	0 8W.	III	d.m.	30 —	Royal Meteorological Society.
Chelsea ..	Lon.	London ..	51 30	0 10W.	III	—	— —	The Borough Surveyor.
East Ham ..	Lon.	Essex ..	51 32	0 4E.	III	m.	25 —	The Corporation.
Enfield ..	Lon.	Middlesex ..	51 40	0 10W.	III	m.	19 19	Medical Officer of Health.
Greenwich								
Observatory	Lon.	London ..	51 29	0 0	I	d, M, W ¹ .	30 30	The Astronomer Royal.
Hampstead Reservoir	Lon.	London ..	51 34	0 11W.	III	d, m.	20 20	The Hampstead Scientific Society. (E. L. Hawke, M.A.)
Kensington Palace ..	Lon.	London ..	51 30	0 10W.	III	d, M.	10 —	H.M. Office of Works (M.O.).
Kew Observatory ..	Lon.	Surrey ..	51 28	0 19W.	I	D, W, M, O, μ.	30 30	The Superintendent.
Kingsway ..	Lon.	London ..	51 31	0 7W.	(Sunshineonly)	m, μ.	— —	The Director, Meteorological Office.
Oxford Street ..	Lon.	London ..	51 31	0 9W.	III	—	— —	Messrs. Selfridge & Co., Ltd.
Regent's Park ..	Lon.	London ..	51 31	0 9W.	III	d, m.	— —	H.M. Office of Works (M.O.).
South Kensington ..	Lon.	London ..	51 30	0 10W.	III	d, M.	— —	The Director, Meteorological Office
Tottenham ..	Lon.	Middlesex ..	51 36	0 5W.	II	W, m.	24 24	Medical Officer of Health.
Westminster:—								
St. James's Park	Lon.	London ..	51 30	0 8W.	III	—	25 —	H.M. Office of Works (M.O.).
Training College ..	Lon.	London ..	51 30	0 8W.	(Sunshineonly)	d, m.	— 30	The Principal.
Long Ashton								
(Research Stn.) ..	8	Somerset ..	51 26	2 40W.	III C.W.	m.	10 10	The Principal.
Long Sutton ..	5	Hampshire ..	51 12	0 56W.	III C.W.	m.	— —	The Lord Wandsworth Agricultural College.
Lowestoft ..	3	Suffolk ..	52 29	1 45E.	III H.	d, m.	20 25	The Town Clerk.
Luton (Wardour Park)	3	Bedford ..	51 54	0 25W.	III	m.	10 10	Borough Engineer.
Lympne ..	5	Kent ..	51 5	1 1E.	I	D, M, μ.	10 10	Assistant-in-Charge.
Mablethorpe ..	2	Lincoln ..	53 20	0 16E.	III	—	— —	Borough Surveyor.
Macclesfield ..	7	Cheshire ..	53 16	2 8W.	III	m.	30 —	Borough and Waterworks Engineer.
Malin Head ..	9	Donegal ..	55 23	7 24W.	T.	D, W, M.	10 16	P. Farren (M.O.).
Mallaranny ..	9	Mayo ..	53 55	9 47W.	III	w, m.	12 15	Chief Engineer, G.S. Ry., Dublin.
Malta ..	—	—	35 54	14 31E.	I	M.	10 10	The Superintendent, Meteorological Office.
Malvern (Free Library)	4	Worcester ..	52 7	2 19W.	III H.	m.	25 22	Borough Surveyor.
Manchester								
(Barton Aero)	7	Lancashire ..	53 28	2 23W.	I	D.M.	— —	Meteorological Officer.
„ (Burnage School)	7	Lancashire ..	53 26	2 12W.	III	—	— —	Manchester Education Committee.
„ (City,								
„ Oldham Rd.)	7	Lancashire ..	53 29	2 13W.	II	m.	30 25	Medical Officer of Health.
„ (Whitworth Pk.)	7	Lancashire ..	53 28	2 14W.	II	M, W ¹ .	30 27	The Director, Physical Laboratories, Uni- versity of Manchester.
Mansfield ..	4	Nottingham	53 9	1 11W.	III	m.	— —	Borough Surveyor.
Manston (Aerodrome)	5	Kent ..	51 21	1 22E.	III	M.	— —	Meteorological Officer.
Marchmont ..	1	Berwick ..	55 44	2 25W.	II	W, m.	30 30	P. Ross, Esq.
Margate ..	5	Kent ..	51 24	1 24E.	III H.	d, W, m.	25 30	The Town Clerk.
Markree Castle								See Collooney.
Marlborough College ..	5	Wilts ..	51 25	1 44W.	III	W, m.	30 30	The Headmaster.
Marykirk (Balmakewan)	1	Kincardine ..	56 48	2 33W.	III A.	m, μ.	— —	The late William Low, Esq., B.Sc.
Mayfield ..	4	Stafford ..	53 0	1 46W.	III	m.	22 18	G. C. Lawson, Esq.
Meltham ..	4	Yorkshire(W.R.)	53 36	1 50W.	III	m.	30 —	C. L. Brook, Esq.
Mildenhall ..	3	Suffolk ..	52 22	0 28E.	I	M, μ.	— —	Meteorological Officer.
Montrose ..	1	Angus ..	56 42	2 28W.	III H.	m.	10 14	Burgh Surveyor.
Montrose ..	1	Angus ..	56 44	2 27W.	III	—	30 —	The Medical Superintendent.
(Sunmyside Asylum)								
Morecambe ..	7	Lancashire ..	54 4	2 52W.	III H.	d.	10 16	The Chief Sanitary Inspector.
Morpeth (Cockle Park)	2	Northumberland	55 13	1 41W.	II C.W.	W, M.	30 30	Northumberland County Council.
Moretonhampstead ..	8	Devon ..	50 39	3 46W.	II	M, μ.	— —	G. B. Davie, Esq.
Morvern (Atdornish) ..	6	Argyll ..	56 34	5 45W.	II	m.	20 —	A. Cameron, for O. H. Smith, Esq.
Market Drayton ..	4	Stafford ..	52 55	2 24W.	—	—	— —	The Medical Superintendent, Cheshire Joint Sanatorium.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			N.	W.			Temp. Sun- shine.	
Mount Batten (Aero.)								See Plymouth.
Mount Stewart								See Newtownards.
Mursley	4	Buckingham ..	51 59	0 49W.	II	m.	— —	Lady Beecham.
Nairn	1	Nairn	57 36	3 52W.	III H.	W,m.	20 24	The Town Clerk.
Newcastle	10	Wicklow	53 5	6 6W.	II	m.	22 —	The Medical Officer, National Hospital for [Consumption.
Newcastle (Hazelhatch, Peamount San.)	10	Dublin	53 19	6 28W.	III	m.	— —	The Superintendent.
Newport (The Mall) ..	5	Isle of Wight ..	50 42	1 18W.	III	m.	— —	Miss Morey.
Newport (Hospital) ..	8	Monmouth	51 35	3 0W.	III	m.	10 —	Medical Officer of Health.
Newport	4	Shropshire	52 47	2 22W.	III C.W.	m.	— —	Harper Adams Agricultural College.
Newquay	8	Cornwall	50 25	5 4W.	III H.	M.	25 30	The Urban District Council. (C. C. Vigurs, B.A., M.D.).
Newton Abbot	8	Devonshire	50 33	3 38W.	III C.W.	m.	— —	Seale Hayne Agricultural College.
Newton Rigg								See Penrith.
Newtownards (Mount Stewart)	9	Down	54 35	5 41W.	(Sunshine only)	m.	— —	The Marquess of Londonderry.
Newtowntorbes (Castle Forbes Gdns.)	9	Longford	53 46	7 51W.	II	m.	19 —	James Boyle, for the Earl of Granard.
North Berwick (Gas Works)	1	E. Lothian	56 3	2 43W.	III H.	m.	— —	Town Council.
Norwich ,, (Southwell Lodge)	3	Norfolk	52 37	1 17E.	III	m,W ¹ .	28 20	J. H. Willis, Esq.
,, (Sprowston Church Farm)	3	Norfolk	52 40	1 20E.	III C.W.	m.	— —	The Director, Norfolk Agricultural Station.
Nottingham	4	Nottingham	52 56	1 9W.	III	W,M,W ¹ .	30 23	The City Engineer and Surveyor.
Oban	6	Argyll	56 25	5 30W.	II H.	W,m.	— 25	Burgh Surveyor.
Onich	0	Inverness	56 43	5 13W.	III	—	— —	Forestry Commission (Scotland).
Oundle (School)	4	Northampton ..	52 29	0 28W.	III	m.	27 15	The Headmaster.
Oxford (Radcliffe Meteorological Station)	4	Oxford	51 46	1 16W.	III	W.M.	30 30	The Professor of Geography.
Paignton	8	Devonshire	50 26	3 34W.	III H.	m.	16 21	Town Council. (C. Bellinger.)
Paisley (Coats Obsy.) ..	6	Renfrew	55 51	4 26W.	II A.	W ¹ ,m,μ.	30 28	Observatory Committee. (J. Woodrow.)
Parkend	4	Gloucester	51 47	2 33W.	III C.W.	—	— —	Forestry Commission.
Peebles	1	Peebles	55 39	3 12W.	III H.	m.	— —	The Town Clerk.
Pendennis Castle								See Falmouth.
Penrith (Newton Rigg)	7	Cumberland	54 40	2 49W.	II C.W.	W, m.	30 30	The Cumberland County Council.
Penzance	8	Cornwall	50 7	5 32W.	III H.	d.	25 30	The Town Clerk.
Perth	1	Perth	56 24	3 27W.	III	W ¹ ,m.	30 17	The Town Council (J. Ritchie.)
Phoenix Park								See Dublin.
Plymouth (The Hoe)	8	Devonshire	50 22	4 8W.	II A.	m,W ¹ ,μ.	30 30	The Corporation. (Messrs. Prigg, London and Ivory.)
,, (Mount Batten Aero.)	8	Devonshire	50 22	4 8W.	I	D.M.	10 10	Meteorological Officer.
Point of Ayre (Light- house)	6	Isle of Man	54 25	4 22W.	T	D,M, μ.	— —	Lightkeeper (M.O.)
Poole (Holton Heath R.N. Cordite Factory)	8	Dorset	50 43	2 5W.	II	M.	10 11	The Superintendent.
Poole	8	Dorset	50 43	1 59W.	III H.	—	— —	Medical Officer of Health.
Pontefract (King's School)	4	Yorkshire(W.R.)	53 42	1 19W.	III	m.	— —	The Headmaster.
Portland Bill (Lighthouse)	8	Dorset	50 32	2 27W.	T.	D,M.	10 —	Lightkeeper (M.O.)
Porton (W.D. Experimental Stn.)	5	Wilts	51 7	1 42W.	II	m.	10 —	The Superintendent Meteorological Dept.
Portsmouth (Victoria Pk.)	5	Hampshire	50 48	1 6W.	III H.	d,W ¹ .	25 23	Medical Officer of Health.
Prestatyn	7	Flint	53 20	3 24W.	III H.	d.	— —	Clerk to the U.D.C.
Prestwick	6	Ayr	55 30	4 37W.	III H.	—	— —	Burgh Surveyor.
Princetown	8	Devonshire	50 33	3 59W.	III	m.	22 —	The Governor, H.M. Prison.
Quilty	10	Clare	52 50	9 28W.	A.	μ.	— —	Chief Engineer, G.S.Ry., Dublin.
Ramsgate	5	Kent	51 20	1 25E.	III H.	d.	13 23	Borough Engineer.
Rathfarnham Castle ..	10	Dublin	53 18	6 17W.	III	m.	— —	The Rev. Father the Rector.
Reading :— Shinfield								See Shinfield.
University	5	Berkshire	51 27	0 58W.	III	m.	27 —	Professor J. A. Crowther.
Redruth	8	Cornwall	50 14	5 14W.	III	m.	23 —	A. P. Jenkin, Esq., J.P.
Regent's Park								See London.
Renfrew (Abbotsinch Aero) ..	6	Renfrew	55 52	4 26W.	I	D,W,M,μ.	10 10	Meteorological Officer.
Rhayader	8	Radnor	52 18	3 31W.	III	W,M.	12 14	R. Ashton (M.O.).
Rhyl (Sewage Works)	7	Flint	53 19	3 29W.	III H.	d,m.	21 29	Medical Officer of Health.
Rickmansworth	3	Hertford	51 39	0 29W.	III	m.	— —	E. L. Hawke, Esq., M.A.
Roche's Point	10	Cork	51 47	8 15W.	T.	D,W,M.	10 —	Miss Roche (M.O.).
Ross-on-Wye	4	Hereford	51 55	2 35W.	T.	D,W,M.	10 16	F. J. Parsons, Mus.Bac. (M.O.).
Rothamsted								See Harpenden.
Rotherham	4	Yorkshire(W.R.)	53 25	1 19W.	III	—	— —	L. Atkinson, Esq.
Rothsay	6	Bute	55 50	5 2W.	II	W,M.	30 17	Robert Finlay, Esq., and the Town Clerk.
Rowlands Gill (Chopwellwood)	2	Durham	54 55	1 47W.	III	m.	25 —	Forestry Commission.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			° N.	° W.			Temp. Sun- shine.	
Rugby (School) ..	4	Warwick ..	52 22	1 15W.	III	m.	— —	The Headmaster.
Ruthwell ..	6	Dumfries ..	55 0	3 26W.	II	m.	20 21	William Brown, for the Earl of Mansfield.
Ryde ..	5	Isle of Wight ..	50 44	1 10W.	III	m.	17 17	Borough Engineer and Surveyor.
St. Albans (Hertford Inst. of Agriculture)	3	Hertford ..	51 46	0 18W.	III	m.	— —	The Principal.
St. Andrews ..	1	Fife ..	56 20	2 47W.	III H.	m.	13 18	Burgh Surveyor.
St. Ann's Head (C. Guard Stn.) ..	8	Pembroke ..	51 41	5 10W.	T.	D,W,M.	10 30	Station Officer (M.O.).
St. Catherine's Point (C. Guard Stn.) ..	5	Isle of Wight ..	50 35	1 17W.	T.	—	— —	Chief Coastguard Officer (M.O.). See Jersey.
St. Heliers ..	8	Cornwall ..	50 14	5 51W.	III H.	d.	— —	Borough Surveyor. See London.
St. Ives ..	8	Cornwall ..	50 14	5 51W.	III H.	d.	— —	Borough Surveyor. See London.
St. James's Park ..	8	Cornwall ..	50 14	5 51W.	III H.	d.	— —	Borough Surveyor. See London.
St. Leonards (Gensing Gdns.) ..	5	Sussex ..	50 51	0 33E.	III.	—	25 30	The Town Clerk.
St. Mellion (Ellbridge Exp. Stn.)	8	Cornwall ..	50 27	4 15W.	III C.W.	—	— —	The Horticultural Superintendent.
Sandown (Sandham Gdns.) ..	5	Isle of Wight ..	50 39	1 9W.	III H.	m.	22 25	The Town Clerk.
Scarborough ..	2	Yorkshire(N.R.)	54 17	0 24W.	III H.	W.M.	25 30	Medical Officer of Health.
Scilly (C. Guard Stn.)	11	Cornwall ..	49 56	6 18W.	T.A.	D,W,M,μ	10 30	Station Officer (M.O.).
Seaford ..	5	Sussex ..	50 46	0 7E.	III H.	—	— —	The Surveyor.
Sealand (Aerodrome)	7	Flint ..	53 13	3 0W.	I	D,W,M,μ.	10 10	Meteorological Officer.
Seaton ..	8	Devon ..	50 42	3 4W.	III H.	—	— —	U.D.C. (Lieut.-Col. H. Anderson-Neville.) See Carrick-on-Suir.
Seskin (Carrick-on-Suir)								
Settle (Giggleswick School)	4	Yorkshire(W.R.)	54 4	2 17W.	III	m.	25 20	The Headmaster.
Shaftesbury (C.E. School) ..	8	Dorset ..	51 1	2 12W.	III	m.	30 —	The Headmaster.
Sheffield (Weston Park)	4	Yorkshire(W.R.)	53 23	1 29W.	III	W ¹ ,m.	30 30	The Corporation (E. Howarth, F.R.A.S.).
Shinfield (Univ. Farm.) ..	5	Berkshire ..	51 25	0 57W.	III	m.	10 —	Professor J. A. Crowther.
Shoeburyness (New Ranges) ..	3	Essex ..	51 32	0 49E.	I.	D,M,μ.	10 12	Officer-in-Charge.
Shrewsbury ..	4	Shropshire ..	52 43	2 43W.	III H.	M.	15 —	Medical Officer of Health.
Sidmouth ..	8	Devonshire ..	50 41	3 14W.	III H.	m.	30 —	The Borough Surveyor.
Silverton (Killerton) ..	8	Devonshire ..	50 48	3 27W.	III	m.	19 —	Rt. Hon. Sir F. D. Acland, Bart., P.C.
Skallary ..	0	Hebrides ..	56 58	7 26W.	III	m.	— —	James Smith, Esq.
Skegness ..	2	Lincolnshire ..	53 9	0 21E.	III H.	d,m.	22 27	The Surveyor.
Southampton ..	5	Hampshire ..	50 55	1 24W.	II	W,M.	30 30	Director General of Ordnance Survey.
Southend ..	3	Essex ..	51 30	0 45E.	III H.	d.	20 25	The Corporation (Pier Master).
South Farnborough (R.A.E.) ..	5	Hampshire ..	51 17	0 45W.	I	D,M,μ.	10 17	Meteorological Officer. See London.
South Kensington ..	7	Lancashire ..	53 37	3 0W.	II H.A.	d,W,M,μ.	30 30	The Corporation (A. Goodwill).
Southport ..	7	Lancashire ..	53 37	3 0W.	II H.A.	d,W,M,μ.	30 30	The Corporation (A. Goodwill).
South Shields (South Pier Works)	2	Durham ..	55 0	1 26W.	A.	μ.	— —	Tyne Improvement Commission. See Birmingham.
Sparkhill ..	2	Yorkshire(E.R.)	53 35	0 7E.	T.A.	D,M,μ.	10 10	See Norwich. Lightkeeper (M.O.).
Spur Head(Lighthouse)	6	Stirling ..	56 7	3 56W.	III	m.	13 13	The Town Council (John Fyfe).
Stirling (Sauchie House)	1	Kincardine ..	56 58	2 12W.	III H.	m.	— —	The Town Council.
Stonehaven ..	7	Lancashire ..	53 51	2 28W.	II	W,M.	30 30	The Director.
Stonyhurst (College) ..	7	Lancashire ..	53 51	2 28W.	II	W,M.	30 30	The Director.
Stornoway (C. Guard Lookout)	0	Hebrides ..	58 11	6 21W.	T.	D,W,M.	10 30	Station Officer (M.O.).
Stornoway (Matheson Road) ..	0	Hebrides ..	58 12	6 23W.	rainfall only	W,m.	— —	Station Officer (M.O.).
Strachur (Glenbranter)	6	Argyll ..	56 8	5 3W.	III	m.	— —	Forestry Commission (Scotland).
Stratford-on-Avon ..	4	Warwick ..	52 12	1 42W.	III	m.	— —	A. W. Beecham, Esq.
Strathaven (Dungavel)	6	Lanark ..	55 37	4 8W.	III	m.	20 —	A. K. Foulis, for the Duke of Hamilton and Brandon.
Strelley ..	4	Nottingham ..	52 58	1 15W.	III	—	— —	Miss M. Edge.
Sunderland ..	2	Durham ..	54 54	1 22W.	III	—	— —	C. D. Drury, Esq.
Sutton Bonington ..	4	Nottingham ..	52 50	1 15W.	III C.W.	m.	— —	The Midland Agricultural and Dairy The Clerk to the U.D.C. [College.]
Swanage ..	8	Dorset ..	50 37	1 57W.	III H.	—	— —	The Clerk to the U.D.C. [College.]
Swansea (Victoria Park)	8	Glamorgan ..	51 37	3 55W.	III	m.	18 21	The Town Clerk.
Talybont (Lletty-evan-hen) ..	7	Cardigan ..	52 27	3 59W.	III C.W.	—	— —	Professor R. G. Stapledon, M.A.
Tavistock ..	8	Devonshire ..	50 33	4 10W.	III	m.	19 —	W. J. Monk, Esq.
Tayport ..	1	Fife ..	56 27	2 53W.	III	—	— —	Dundee Harbour Trust (J. Hannay Thomson).
Teignmouth (Den Gardens) ..	8	Devonshire ..	50 32	3 29W.	III H.	m.	22 25	Medical Officer of Health.
Tenby (The Priory) ..	8	Pembroke ..	51 40	4 42W.	III H.	—	— 30	The Town Clerk.
Terrington ..	3	Norfolk ..	52 45	0 18E.	III C.W.	m.	— —	The Horticultural Superintendent.
Thetford (Lynford Nursery) ..	3	Norfolk ..	52 30	0 41E.	III C.W.	m.	— —	Forestry Commission.
Thornhill ..	6	Dumfries ..	55 16	3 43W.	III	m.	— —	C. L. Johnstone, Esq.
Thorntonhall ..	6	Lanark ..	55 46	4 15W.	III	m.	24 24	A. Henderson Bishop, Esq.
Tintagel ..	8	Cornwall ..	50 40	4 45W.	III H.	—	— —	Trust Houses, Ltd.
Tiree ..	6	Argyll ..	56 32	6 55W.	T.A.	D,M,μ.	— —	J. R. Morrison, M.A., B.Sc. (M.O.).
Torquay ..	8	Devonshire ..	50 28	3 31W.	III H.	d,m.	25 30	The Corporation (C. Bellinger).
Totland Bay (Aston House) ..	5	Isle of Wight ..	50 41	1 33W.	III H.	m.	30 29	Totland Bay Hotel and Pier Co., Ltd. See London. (J. Dover, M.A.).
Tottenham ..	6	Ayr ..	55 32	4 40W.	III H.	d,m.	— —	The Town Council (M. S. Brodie, C.E.).
Troon ..	6	Ayr ..	55 32	4 40W.	III H.	d,m.	— —	The Town Council (M. S. Brodie, C.E.).
Tunbridge Wells (Calverley Park) ..	5	Kent ..	51 8	0 16E.	III H.	d,M.	25 30	Medical Officer of Health.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Averages (number of years).	Authority.
			° N. ,	° ,			Temp. Sun- shine.	
Turnberry (Hotel) ..	6	Ayr	55 19	4 50W.	III H.	m.	17 21	Resident Manager.
Tynemouth (C. Guard Stn.) ..	2	Northumberland	55 1	1 25W.	T.	D,M,W ¹ .	10 —	Station Officer (M.O.).
Tynemouth	2	Northumberland	55 1	1 25W.	Sunshine only	d.	— —	Entertainments and Publicity Officer.
Upper Heyford (Aerodrome) ..	4	Oxford	51 56	1 15W.	I	D.	— —	Meteorological Officer.
Ushaw (College) ..	2	Durham	54 47	1 39W.	III	m.	30 —	The Principal.
Usk	8	Monmouth ..	51 42	2 55W.	III	m.	— —	Monmouthshire Agricultural Institution.
Valentia Observatory	10	Kerry	51 56	10 15W.	I	D,W,M,O,μ.	30 30	The Superintendent.
Ventnor (R. Nat. Hospital)	5	Isle of Wight ..	50 36	1 13W.	II	M.	30 30	The Matron.
Ventnor (Park) ..	5	Isle of Wight ..	50 36	1 13W.	III H.	—	— —	The Engineer and Surveyor to the U.D.C.
Wakefield	4	Yorkshire (W.R.)	53 40	1 30W.	III	m.	25 15	Waterworks Engineer.
Wallasey, New Brighton (Harrison Park) ..	7	Cheshire	53 26	3 3W.	III H.	d.	— —	Medical Officer of Health.
Walton-on-Naze ..	3	Essex	51 51	1 16E.	III H.	—	13 15	Clerk to the Frinton and Walton U.D.C.
Warfield	5	Berkshire	51 27	0 44W.	III	m.	— —	Imperial Chemical Industries, Ltd.
Waterford (Gortmore)	10	Waterford	52 16	7 7W.	III	W,m.	28 —	Mrs. N. H. White.
Weaver Point	10	Cork	51 48	8 17W.	A.	μ.	— —	Cork Harbour Commissioners.
Welshpool (County School) ..	7	Montgomery ..	52 39	3 8W.	III	m.	19 —	The Headmaster.
West Kirby	7	Cheshire	53 23	3 11W.	III	m.	— —	The Rev. Eric F. Robson.
West Linton	1	Peebles	55 45	3 21W.	III	m.	23 —	Dr. R. Graham Yooll.
Westminster :— St. James's Park ..								} See London.
Training College ..								
Weston-super-Mare ..	8	Somerset	51 21	2 59W.	III H.	—	— 25	The Town Clerk.
Weymouth (Westham)	8	Dorset	50 36	2 27W.	III H.	d.	25 30	Borough Electrical Engineer.
Whitworth Park ..								See Manchester.
Wick (C. Guard Stn.)	0	Caithness	58 26	3 5W.	T.	D, M.	10 —	Station Officer (M.O.).
Wisley								See Byfleet.
Withernsea	2	Yorkshire (E.R.)	53 44	0 2E.	III H.	—	— —	The Surveyor to the Council.
Woburn	3	Bedford	52 1	0 35W.	III C.W.	m.	30 30	Lawes Agricultural Trust.
Wolfelee								See Hawick.
Woodhall Spa	3	Lincoln	53 9	0 12W.	III	d.	— —	The Engineer & Surveyor.
Worcester (Perdiswell)	4	Worcester	52 13	2 13W.	III C.W.	m.	— —	The Agricultural Organizer.
Worksop (Hodssock) ..	4	Nottingham ..	53 22	1 5W.	III	m.	30 —	Edward Dixon, Esq.
Worthing	5	Sussex	50 49	0 22W.	III H.	d.	25 30	Medical Officer of Health.
Wye (Agric. College) ..	5	Kent	51 11	0 57E.	III C.W.	m.	— —	South Eastern Agricultural College.
Yarmouth	3	Norfolk	52 37	1 43E.	Sunshine only	*	10 23	Medical Officer of Health.
York (Bootham School)	2	Yorkshire (N.R.)	53 57	1 5W.	Sunshine only	} W,M,W ¹ . {	— 30	The Science Master.
„ (Museum) ..	2	Yorkshire (N.R.)	53 57	1 5W.	II			30 —	The Yorkshire Philosophical Society (Dr. W. L. Collinge, F.L.S.).

* With the exception of sunshine values the data published for Yarmouth in the Daily Weather Report and in the climatological summaries now refer to Gorleston.

MONTHLY WEATHER REPORT, 1936—TABLE II. CORRECTIONS AND ADDITIONS

District and Station.	Distribution of Wind.								Extreme Velocities.						
	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No. record	Highest Hourly Wind.			Highest Gust.			
	Dates of occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Hour ended at.	Speed.	Time.		
6a. Scotland W. Eskdalemuir February	...	hr.	...	hr.	hr.	hr.	hr.	hr.	...	m.p.h.	m/s.	day hr.	m.p.h.	m/s.	d. h. m.
5. England S.E. Dover February	10	1	7	57	...	...	...	...	...	...	...	...	...	...	...
8b. England S.W. Pendennis Castle February	...	...	...	...	...	...	...	26	...	...	...	...	...	...	...
10. Ireland S. Kingstown April	...	...	...	77	...	...	...	...	...	...	...	...	...	...	...
6a. Scotland W. Eskdalemuir July	...	...	...	...	...	...	...	...	180	37	17	24 05	...	...	...
10. Ireland S. Quilty October	...	...	...	...	...	189	...	...	...	...	...	...	...	...	...
1. Scotland E. Bell Rock November	5, 7, 12, 13, 15, 16, 29, 30	58	21	185	279	176	22	0	240	48	21	29 06	66	29	29 05 10
1. Scotland E. Bell Rock December	3, 4, 6, 13-20, 23, 24, 31	105	25	214	313	109	3	0	250	65	29	4 05	99	44	4 02 20

MONTHLY WEATHER REPORT, 1936—CORRECTIONS AND ADDITIONS

TABLE I.—DISTRICT VALUES.

Month.	District.						
January ...	o Scotland N. ...	Temp., diff. from average should be	...	...	...	...	- 2.7
		Rainfall percent. of average should be	...	...	...	...	80
		No. of days diff. from average should be	...	...	...	...	+ 1
February ...	o Scotland N. ...	Temp., diff. from average should be	...	...	...	...	- 1.6
		Rainfall percent. of average should be	...	...	...	...	73
March ...	o Scotland N. ...	Temp. diff. from average should be	...	...	...	...	+ 1.7
		Rainfall percent. of average should be	...	...	...	...	57
April ...	o Scotland N. ...	Temp. diff. from average should be	...	...	...	...	- 1.6
		Rainfall percent. of average should be	...	...	...	...	53
May ...	II Channel Islands	Rainfall percent. of average should be	51

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

JANUARY, 1936.—Wet, except in the north-west; a cold spell from the 12th to the 23rd.

The mild, unsettled conditions of the last week of December persisted during the first ten days of January, in which period extensive flooding again occurred. From the 1st to 8th, Atlantic depressions passed slowly across the British Isles; rain fell almost daily and was heavy at times, though a temporary improvement occurred locally around the 3rd-4th. A very deep depression, centred off north-west Ireland on the 9th, skirted our north-west coasts and was centred near the Shetlands on the 10th and off the west coast of Norway on the 11th. The rainfall of the 9th was general, and heavy in many places, and widespread, rather severe gales were experienced between the 9th and 11th. The tropical air in front of this depression was very mild and the highest temperatures of the month were registered at this time.

In the rear of this disturbance, an anticyclone moved south-east over Ireland and England, and, subsequently, an extension of a high-pressure system over Greenland covered the British Isles. Anticyclonic weather prevailed for the most part until the 15th; temperature fell decidedly, and fog was rather widespread in England.

Between the 16th and 18th a depression, centred initially off north-west Spain, moved north-east and then north. Weather continued cold, but with widespread snow or sleet. This disturbance was followed on the 19th by a new depression, which moved slowly north-east from a position off our south-west coasts. It deepened considerably over the Irish Sea and caused rather widespread gales on the 20th and a severe snowstorm in Scotland, northern England and north-east Ireland on the 19th-20th. Finally, the depression became much less deep over Scandinavia. Temperature remained low for the most part throughout this period, and sleet or snow was reported in many places. On the 23rd and 24th, two depressions approached from the Atlantic, one from west and the other from south-west. They moved slowly over the British Isles and filled up. Temperature rose gradually and rain fell generally on the 24th and 25th, being heavy locally on the 25th. A new intense disturbance approached north-west Ireland on the 27th; the centre of the main depression remained almost stationary, but a secondary moved north-east and then north over Britain from the Bay of Biscay. Mild weather prevailed, with heavy rain at times, notably on the 28th.

Pressure and Wind.—A noteworthy feature of the month was the exceptionally low mean pressure registered over the country generally. For instance, at Southport, the mean pressure was lower than in any previous month, except December 1876, in 65 years' records, at Newquay the mean pressure was the lowest in any month in 33 years, at Attenborough it was the lowest in any month since records were started in 1920 and at the Radcliffe Observatory, Oxford, the lowest in January since before 1881.

The most widespread gales occurred from the 5th-6th, 9th-11th and 20th-21st, the one of the 9th-10th being the most severe. A mean hourly velocity of 62 m.p.h. was recorded at Kingstown and one of 60 m.p.h. at Pendennis on the 9th, while among the greatest speeds registered in gusts were 92 m.p.h. at Bidston Observatory, 89 m.p.h. at Southport and 88 m.p.h. at Fleetwood, Manchester (Barton) and Catterick, all on the 9th. Local gales occurred at times outside these periods. At Bell Rock Lighthouse a mean hourly velocity of more than 38 m.p.h. was recorded on ten days.

Temperature.—Mean temperature was below the average except in east and south-east England and the Channel Islands. The deficiency was greatest in Ireland and Scotland, amounting to 3.5°F. in Ireland, N., 2.9°F. in Ireland, S., and more than 2.5°F. in each of the Scottish districts.

The outstanding feature was the cold spell from the 12th-23rd. Some extremely low screen minima were recorded during this spell, especially on the 19th and 20th; readings below 15°F. were numerous,

while values of 10°F. or below were registered at some places. On the grass, 0°F. was reported at Rickmansworth on the 18th, at Mayfield on the 19th and at Braemar on the 20th.

The first ten days were mild, on the whole, a broad belt of equatorial air being responsible for the unusually high temperatures recorded around the 9th, when maxima exceeded 55°F. at a large number of places in England and Wales. Mild conditions were established again towards the end of the month, particularly in the south.

The extremes for the month were: (England and Wales) 58°F. at Stratford-on-Avon, London (Westminster), Llandudno and Bath on the 9th; 9°F. at Worksop, Mayfield and Manchester (Barton) on the 19th; (Scotland) 52°F. at Peebles, Dumfries, Ruthwell and Douglas on the 9th and at Ayr on the 9th and 10th, 6°F. at Logie Coldstone on the 20th; (Ireland) 57°F. at Glasnevin on the 8th, and 18°F. at Newtownforbes and at Aldergrove on the 19th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 163, the values for the constituent countries being England and Wales 178, Scotland 140 and Ireland 148. The excessive rainfall was almost universal, except in that part of Scotland westward of a line drawn from about Greenock to Durness in Sutherland, where there was a deficiency. The deficiency amounted to more than 60 per cent. at some places along the Caledonian Canal. The greatest excess in Scotland occurred along the east coast from Aberdeen to Edinburgh; at Aberdeen, it was the wettest January in a record back to 1871. It was the wettest January on record also at certain stations in England.

Among the largest falls in 24 hours were:—

4th: 66 mm. at Borrowdale, Cumberland.

9th: 85 mm. at Forest Lodge, Dalry (Kirkcudbrightshire).

58 mm. at Borrowdale, 56 mm. at Glencrosh (Dumfriesshire) and 53 mm. at Dunoon and Trecastle (Brecon).

21st: 45 mm. at Sealand, Cheshire.

Snow fell rather frequently and a conspicuous feature of the month's weather was the snowstorm of the 19th-20th. The latter was notable in Scotland, north-east Ireland, northern England and the northern Midlands. In Scotland, some villages were isolated for several days and railway and road traffic was seriously disorganised. Even a week later some important roads in Speyside had not been re-opened to wheeled traffic. Depths of undrifted snow were commonly reported in inland districts of Scotland as being between 6 inches and 9 inches. The storm was particularly severe on high ground; at Bellingham, Northumberland, the snow was 12 inches deep on the 20th, and 9 inches from the 21st-24th; at Buxton (Derbyshire) it was 18 inches deep on the 22nd, and at Bingley (Yorks.), 10 inches on the 20th. At numerous stations in northern England and the Midlands snow lying was reported from the 16th-24th and at one or two stations until the 27th and on high ground in Scotland, it was lying practically from the 11th until the end of the month.

Sunshine.—Sunshine exceeded the average, for the most part, in Scotland and England, N.E., but the district values were below the average elsewhere. The deficiency was greatest in England, S.E., where it amounted to 40 per cent. (See Table 1.)

Fog.—Fog occurred rather frequently, particularly from the 1st-4th, 7th-8th, 12th-16th, 18th-19th, 24th-26th and 29th-31st.

Miscellaneous Phenomena.—The aurora was noted in northern districts of Scotland on the 21st, 22nd, 23rd, 24th, 26th and 27th. Solar halos were observed at Oxford on 16 days. During a thunderstorm at Newbury (Berks.) on the 10th there was a single flash of lightning; a 70-ft. tree was struck and the windows of all the houses near the tree were blown out.

TABLE I.—DISTRICT VALUES.— JANUARY, 1936

[1908, revised 1928.]

DISTRICTS.	AIR TEMPERATURE.			EARTH TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Highest.	Lowest.	Daily Mean Difference from Average.	At 1 ft. Difference from Average.	At 4 ft. Difference from Average.	Percentage of Average.	No. of Days Difference from Average.	Percentage of Average.	Percentage of Possible Duration.
0. SCOTLAND, N. — Eastern.	50	8	-2.9	-	-	82	+2	109	16
1. SCOTLAND, E.	52	6	-2.7	-	-	191	+4	119	23
2. ENGLAND, N.E.	56	12	-1.3	-0.9	-0.7	189	+4	118	21
3. ENGLAND, E.	57	11	+0.2	0.0	-0.4	200	+3	82	16
4. MIDLAND COUNTIES ..	58	9	-1.2	-1.5	-0.7	174	+4	88	16
5. ENGLAND, S.E.	58	20	+1.3	+0.7	+0.3	206	+5	60	12

DISTRICTS.	AIR TEMPERATURE.			EARTH TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Highest.	Lowest.	Daily Mean Difference from Average.	At 1 ft. Difference from Average.	At 4 ft. Difference from Average.	Percentage of Average.	No. of Days Difference from Average.	Percentage of Average.	Percentage of Possible Duration.
Western.									
6. SCOTLAND, W. (and I. of Man)	52	8	-2.6	-2.1	-1.1	140	+33	125	18
7. ENGLAND, N.W. (and N. Wales)	58	9	-2.0	-1.3	-1.0	182	+5	95	15
8. ENGLAND, S.W. (and S. Wales)	58	15	-0.4	-0.6	-0.2	157	+7	86	17
9. IRELAND, N. . .	54	18	-3.5	-3.1	-2.0	128	+3	97	16
10. IRELAND, S. . .	57	19	-2.9	-3.1	-1.9	154	+3	84	16
11. CHANNEL I. (and Scilly)	56	35	+0.9	-0.1	-0.5	210	+6	84	20
Mean : DISTRICTS 1-10	58	6	-1.5	-1.3	-0.9	172	+4	95	17

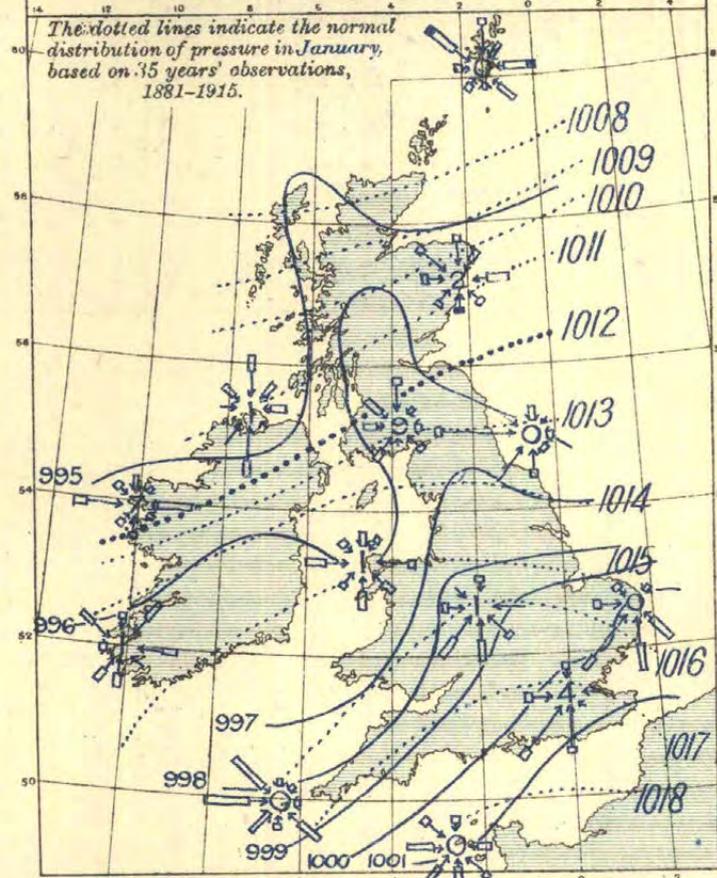
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— JANUARY, 1936

[1914.]

DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Effective Height.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record.		Highest Hourly Wind.			Highest Gust.		
				Dates of Occurrence.	Duration.	No. of days.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.		Hour ended at	Speed.		Time.		
														mi/hr.	m/s.		mi/hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.																		
Shetland. Lerwick	310	53	39	8, 10, 11, 13,	22	21	240	280	161	41	0	280	51	23	11 04	74	33	11 04	30		
Orkney. Kirkwall	170	40	35	5, 6	9	13	98	381	201	55	0	70	45	20	6 02	63	28	6 01	25		
Hebrides. Stornoway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen. Aberdeen	70	42	32	—	0	2	4	165	409	166	0	280	28	13	10 07	55	25	20 18	15		
Kincairdine. Balmakewan ..	140	25	20	—	0	1	2	66	(435)	(241)	0	60	28	13	20 19	43	19	10 02	40		
Angus. BellRockLighthouse	130	—	126	5, 6, 8, 10, 12,	31	21	135	381	144	53	0	250	58	26	10 03	78	35	10 02	05		
Edinburgh. Edinburgh	485	39	23	9, 10	4	4	11	160	375	194	0	230	41	18	10 01	64	29	10 00	25		
6a. SCOTLAND, W.																					
Argyll. Tiree	75	50	42	—	0	9	73	315	271	85	0	10	35	16	20 19	55	25	11 05	20		
Renfrew. Paisley	188	81	31	—	0	2	4	84	395	261	0	230	31	14	10 01	71	32	10 00	35		
Renfrew. Abbotsinch	65	46	33	10	3	5	7	122	320	292	0	240	43	19	10 02	67	30	10 01	30		
Dumfries. Eskdalemuir	825	50	35	9, 10	4	9	37	178	300	225	0	230	50	22	9 24	81	36	9 22	40		
6b. ISLE OF MAN.																					
Isle of Man. Point of Ayre ..	—	—	—	5, 6, 9, 11, 20	22	17	131	299	251	41	0	260	55	25	9 21	85	38	9 21	55		
2. ENGLAND, N.E.																					
Durham. South Shields	73	57	44	20	1	5	16	211	334	182	0	70	39	17	20 07	60	27	9 22	50		
Yorks., N.R. Catterick	220	45	33	9	2	3	16	78	332	316	0	250	49	22	9 23	88	39	9 22	10		
Yorks., E.R. Spurn Head	64	42	34	9, 11, 20	7	15	110	405	206	16	0	290	44	20	11 05	64	29	11 04	15		
Lincoln. Cranwell	284	43	33	9	3	6	40	238	366	61	36	210	40	18	9 20	69	31	9 19	25		
3. ENGLAND, E.																					
Norfolk. Gorleston	52	42	34	—	0	11	48	252	389	55	0	180	38	17	9 19	56	25	9 18	55		
Suffolk. Felixstowe Aero. ..	65	50	40	—	0	4	13	177	410	144	0	170	35	16	9 20	62	28	9 21	45		
Suffolk. Mildenhall	64	45	—	—	0	4	13	177	410	144	0	170	35	16	9 20	62	28	9 21	45		
Bedford. Cardington	285	150	135	9, 10, 11, 21	17	13	96	312	237	82	0	210	51	23	9 20	82	37	9 18	40		
Essex. Shoeburyness	115	104	89	9	3	20	127	385	214	15	0	200	48	21	9 19	65	29	9 18	25		
4. MIDLAND COUNTIES.																					
Warwick. Birmingham	643	118	73	—	0	6	29	233	396	86	0	220	35	16	9 19	66	29	9 18	10		
5. ENGLAND, S.E.																					
London. South Kensington ..	137	110	30	—	0	1	1	119	526	98	0	210	26	12	9 19	56	25	9 18	35		
Surrey. Kew Observatory	92	75	50	—	0	4	11	145	428	160	0	210	35	16	9 19	61	27	9 19	15		
Surrey. Croydon	313	105	70	9	1	8	48	312	274	109	0	200	40	18	9 19	69	31	9 18	30		
Kent. Dover	66	66	60	—	0	15	106	317	274	47	0	—	38	17	9 18	64	29	9 18	05		
Kent. Lympne	418	76	48	9	3	10	59	312	344	26	0	210	44	20	9 20	70	31	9 19	15		
Hampshire. Calshot	58	50	42	9	4	14	81	264	319	76	0	200	49	22	9 18	71	32	9 16	30		
Wiltshire. Boscombe Down ..	462	45	33	9	3	12	42	246	323	130	0	190	40	18	9 17	71	32	9 17	40		
Wiltshire. Larkhill	491	51	36	9	3	12	52	288	333	68	0	210	41	18	9 18	69	31	9 17	45		
7a. ENGLAND, N.W.																					
Lancashire. Fleetwood	112	50	31	9, 11	4	11	64	231	360	85	0	240	46	21	9 21	88	39	9 20	25		
Lancashire. Manchester (Barton)	153	83	80	9, 10, 11	9	8	56	214	318	147	0	240	53	24	9 21	88	39	9 20	35		
Lancashire. Southport	60	42	33	9, 10, 11	11	8	61	237	393	42	0	230	55	25	9 21	89	40	9 20	50		
Cheshire. Bidston Obs'y. ..	262	64	39	9, 11	8	7	60	274	364	38	0	240	55	25	9 20	92	41	9 19	50		
7b. NORTH WALES.																					
Anglesey. Holyhead	68	43	38	5, 6, 9, 11, 20	11	12	83	255	298	97	0	220	45	20	9 19	80	36	9 17	30		
Flint. Sealand	81	65	42	9	3	5	33	160	374	174	0	220	46	21	9 20	80	36	9 19	40		
8b. ENGLAND, S.W.																					
Devon. Moretonhampstead ..	838	40	35	9	5	9	70	249	267	153	0	220	46	21	9 17	82	37	9 16	40		
Devon. Plymouth	185	88	65	5, 8, 9, 27	21	14	99	276	295	34	19	—	53	24	9 15	67	30	9 14	45		
Cornwall. The Lizard	315	75	60	5, 9, 10, 27,	35	26	259	313	113	24	0	200	59	26	9 16	91	41	9 15	55		
Cornwall. Pendennis Castle ..	256	65	42	5, 8, 10, 27	51	22	206	258	177	31	21	250	60	27	9 17	84	38	9 16	45		
9. IRELAND, N.																					
Donegal. Dunfanaghy Road ..	180	47	30	9	1	3	12	101	220	410	0	—	41	18	9 22	72	32	9 21	15		
Antrim. Aldergrove	282	40	20	—	0	5	22	165	365	192	0	230	35	16	9 22	60	27	9 20	50		
10. IRELAND, S.																					
Dublin. Kingstown (Cup Anr.)	49	27	27	5, 9, 10	16																

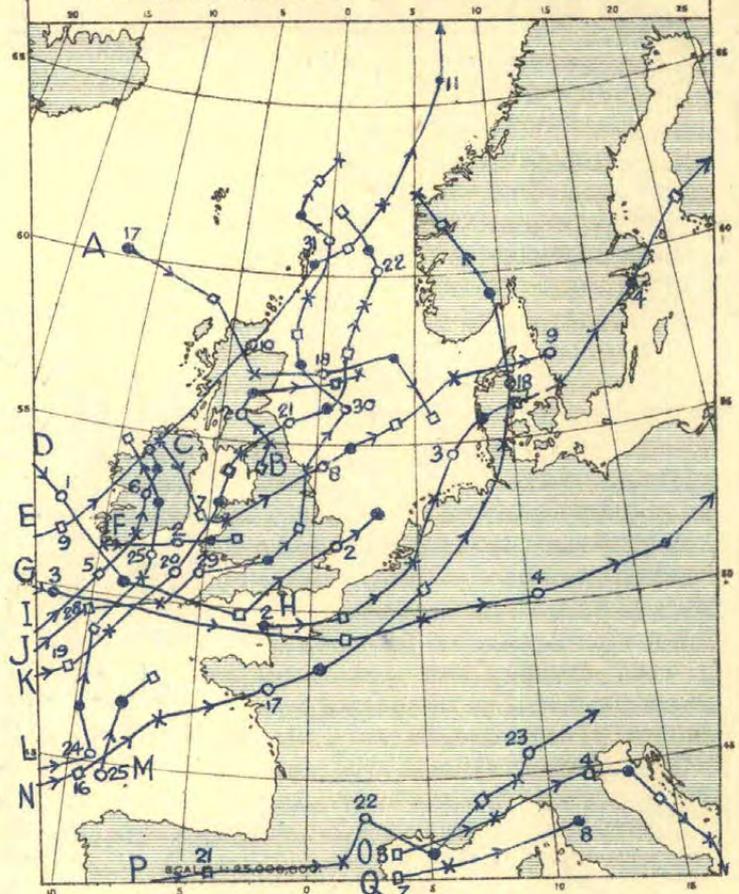
1. WIND AND MEAN PRESSURE 7 A.M. *

The dotted lines indicate the normal distribution of pressure in January, based on 35 years' observations, 1881-1915.



WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: $\left\{ \begin{array}{l} \text{LIGHT} \\ \text{MODERATE} \\ \text{GALE} \end{array} \right.$ $\left\{ \begin{array}{l} 30 \\ 60 \\ 90 \end{array} \right.$ 1 inch

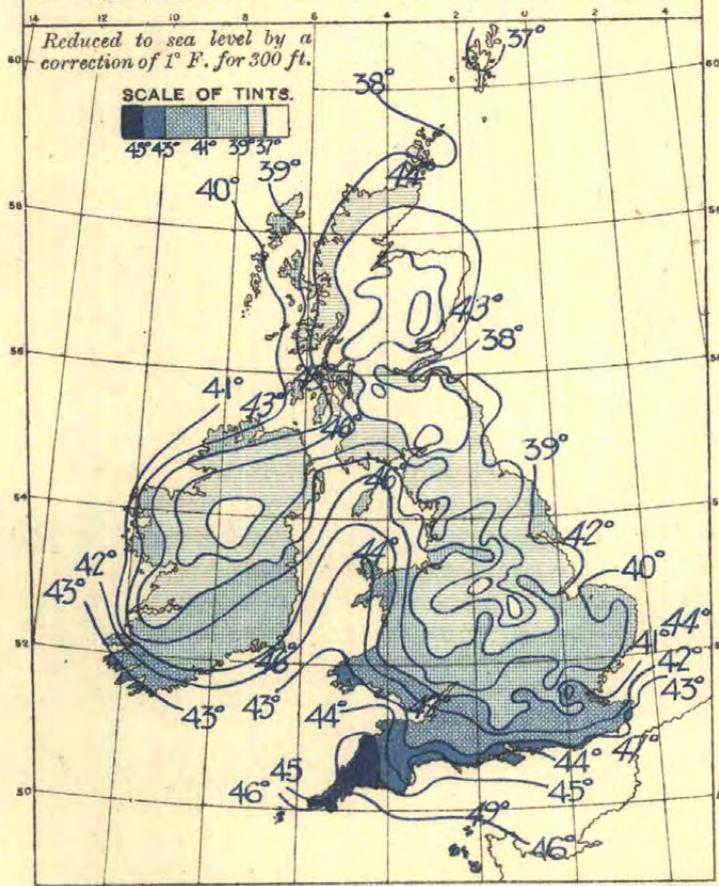
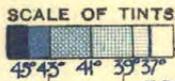
2. MOVEMENTS OF DEPRESSIONS.



Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; × at 18h.

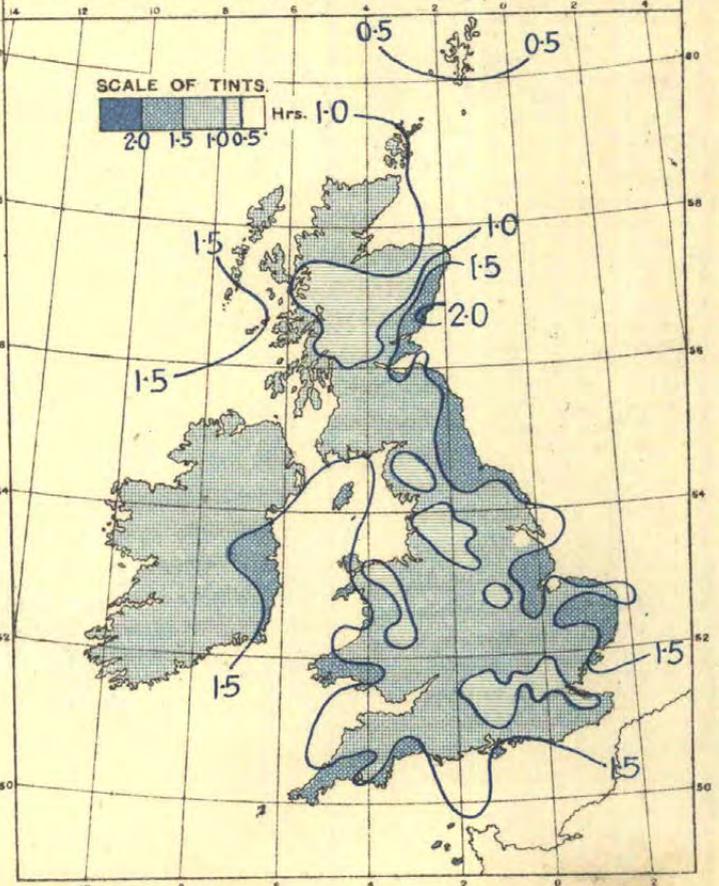
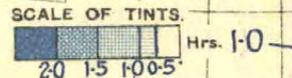
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



Sea temperatures are shown in large figures, thus: 46°

4. BRIGHT SUNSHINE, HOURS PER DAY.



*The pressure is expressed in millibars.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JANUARY, 1936

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER. Number of days.							BRIGHT SUNSHINE.						
			Means of		Difference from Average.	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall.	Difference from Average.	Most in a day.		Precip'n.	Snow lying.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.	Per Cent.								
			A Max.	B Min.		Maximum.	Date.	Minimum.					Date.	Amount.									Date.							
			Max. Min. Rain.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more.	1 mm. or more.	Snow.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Daily Mean.	Difference from Average.	Per Cent.				
0. SCOTLAND, N.																														
Shetland.																														
Baltasound	9 9 9	31	40.5	32.9	36.7	-2.2	46	9,10	25	13,14,25	38.2	-	4.81	117	-3	12	26	31	26	12	14	17	0	0	-	3	0.46	-0.10	7	
Lerwick	18-7 7	156	39.7	34.8	37.1	-3.4	46	9,10	25	17	-	-	3.84	93	-	11	26	25	21	12	11	9	0	0	-	4	0.81	+0.06	12	
Orkney.																														
Deerness	2121 9	160	40.8	34.8	37.8	-1.7	47	1	28	13,17,19	-	-	4.76	121	+33	12	5	28	25	12	8	2	0	0	-	4	0.93	+0.03	13	
Kirkwall	9 9 9	113	40.4	33.9	37.1	-2.0	45	2,9,10	27	17,18	38.5	-	4.31	109	+17	15	15	27	25	9	11	7	0	0	15	4	1.06	-0.02	15	
Hebrides.																														
Skallary	101010	30	44.6	37.9	41.3	-	49	8,18	31	19	-	-	2.48	63	-	7	9	21	18	10	4	2	0	0	-	-	-	-	-	
Stornoway (C.G.)	18-7 7	80	41.1	35.1	38.1	-2.7	48	9	26	20	-	-	2.85	73	-	8	9	27	22	11	6	13	0	0	-	6	1.39	+0.52	19	
Stornoway	- 9 9	30	-	-	-	-	-	-	-	-	-	-	3.24	82	-49	10	22	27	21	-	-	-	-	-	-	-	-	-	-	
Skye.																														
Duntulm	9 9 9	294	42.2	35.5	38.9	-	47	8,9,27	29	13	-	-	3.71	94	-	14	5	22	21	9	0	0	0	0	-	0	1.20	-	17	
Caithness.																														
Wick	18-7 7	81	40.4	32.9	36.7	-3.0	46	1,9,10	14	20	-	-	4.06	103	+41	15	5	27	19	11	13	4	0	0	-	4	-	-	-	
Ross & Cromarty.																														
Fortrose	9 9 9	69	39.3	31.6	35.7	-3.2	48	9	18	20	-	-	1.88	48	-	8	25	17	11	9	15	0	0	0	-	0	1.49	+0.10	21	
Inverness.																														
Dalwhinnie	18-7 7	1176	36.2	27.7	31.9	-	43	9,10	8	20	-	-	3.83	97	-	30	9	20	13	10	17	0	0	25	1	0.71	-	108		
Ft. Augustus	9 9 9	68	40.1	30.4	35.3	-2.9	49	9	17	20	-	-	1.85	47	-90	9	9	22	14	6	7	0	0	2	-	-	0.78	-	118	
Ft. William	9 9 9	34	42.1	33.1	37.6	-1.4	50	9	20	20	36.3	41.0	3.22	82	-160	17	9	23	19	8	7	0	0	1	22	0	0.40	-	58	
Inverness	9 9 9	242	39.2	31.3	35.5	-3.2	48	9	17	20	-	-	2.78	71	+8	13	20	17	12	8	1.2	0	0	5	22	0	1.40	-0.10	19	
1. SCOTLAND, E.																														
Nairn.																														
Nairn	9 9 9	20	40.2	31.0	35.6	-3.0	51	9	13	20	-	-	2.57	65	+14	18	20	20	13	6	6	0	0	3	-	0	1.63	+0.23	22	
Moray.																														
Forres	9 9 9	155	39.7	30.2	35.3	-	49	9	14	20	-	-	3.16	80	-	17	20	20	13	9	17	2	0	1	-	0	1.81	-	25	
Gordon Castle	2121 9	104	40.3	31.0	35.7	-2.9	49	9	12	20	-	-	4.07	103	+52	26	20	22	15	11	8	1	0	-	-	-	1.41	+0.06	198	
Banff.																														
Banff	9 9 9	130	39.7	32.5	36.1	-2.4	45	9,10	14	20	-	-	2.79	71	+27	12	9	22	19	10	5	1	0	0	19	2	0.97	-0.41	138	
Aberdeen.																														
Aberdeen	242424	79	40.6	32.4	36.5	-2.3	49	10	15	20	35.9	38.6	4.44	113	+58	18	20	22	17	10	11	1	0	0	20	0	1.70	+0.27	23	
Balmoral	9 9 9	927	36.6	26.6	31.6	-3.5	45	9,10	7	20	-	-	4.25	108	+38	24	6	19	14	8	20	0	0	-	25	0	-	-	-	
Braemar	2121 9	1111	36.8	27.6	32.2	-2.6	45	9	7	19	-	-	4.26	108	+27	25	9	21	16	8	22	0	0	1	20	0	0.76	-	108	
Craigbston	9 9 9	300	39.3	31.3	35.3	-	47	10	15	20	36.4	39.4	5.59	142	+84	25	5	21	16	8	19	4	0	-	22	-	1.92	-	26	
Logie Coldstone	9 9 9	608	38.4	28.1	33.3	-3.0	46	10	6	20	-	-	3.53	90	+34	21	5	18	14	10	18	0	0	0	25	-	-	-	-	
Kincardine.																														
Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	5.24	133	+72	31	25	15	14	5	9	0	0	3	25	0	-	-	-	
Stonehaven	9 9 9	12	42.2	31.5	36.9	-	49	10	19	20	-	-	4.71	120	-	23	25	17	15	6	9	0	0	0	-	-	1.30	-	24	
Angus.																														
Arbroath	2121 9	93	40.8	30.9	35.9	-2.7	49	10	13	20	-	-	4.51	115	+70	25	20	18	15	10	8	0	0	6	23	0	1.98	-	26	
Carnoustie	9 9 9	39	40.7	32.4	36.5	-1.8	48	10	20	20	-	-	4.19	106	+58	23	25	18	14	5	2	1	0	-	-	2	1.56	+0.24	218	
Dundee	9 9 9	147	39.7	29.0	34.3	-3.8	49	10	21	20	35.1	-	4.37	111	+62	22	25	18	15	3	8	0	0	-	24	4	1.79	+0.21	24	
Kettins	9 9 9	218	39.4	28.8	34.1	-2.6	50	10	13	20	33.1	-	5.17	131	+64	27	25	18	14	5	9	1	0	4	24	1	-	-	-	
Montrose	9 9 9	16	41.1	32.3	36.7	-1.4	49	10	17	20	-	-	4.50	114	-	22	20	18	14	6	5	0	0	0	-	-	1	2.04	+0.53	27
Perth.																														
Crieff	2121 9	478	39.4	30.9	35.1	-2.2	49	10	20	20	-	-	4.98	127	+25	24	25	20	16	8	8	2	0	-	-	2	-	-	-	
Perth	9 9 9	76	40.2	30.3	35.3	-2.4	50	10	11	20	-	-	4.38	111	+47	26	25	16	18	6	0	0	0	-	-	-	1.38	+0.12	18	
Fife.																														
Cupar	9 9 9	210	39.0	31.0	35.0	-3.1	48	10	19	20	-	-	4.12	105	-	21	25	20	18	2	8	0	0	-	-	-	-	-	-	
Dunfermline	9 9 9	237	39.6	31.1	35.3	-	50	9	20	19	35.6	39.4	3.98	101	-	21	25	21	14	6	8	0	0	5	20	2	1.43	-	19	
Inchkeith	18-7 7	190	40.4	34.8	37.6	-3.1	50	10	26	21	-	-	2.80	71	+31	16	25	18	15	5	0	0	0	1	10	2	1.59	-	21	
Kirkcaldy	9 9 9	63	41.2	32.7	36.9	-2.7	48	9	22	20	-	-	4.00	102	-	23	25	25	18	2	3	0	0	-	-	-	-	-	-	
Leuchars	18-7 7	35	39.9	32.0	35.9	-3.0	49	10	17	20	-	-	4.07	103	+57	19	25	20	14	4	3	1	0	2	23	0	1.99	+0.29	26	
St. Andrews	9 9 9	13	40.6	31.7	36.1	-2.2	48	9,10	18	20	36.3	41.5	4.11	105	+57	24	25	20	17	4	3	0	0	0	18	-	1.95	+0.55	26	
Mid Lothian.																														
Edinburgh—																														
Blackford H.	2121 9	441	40.5	33.4	36.9	-2.0	49	9,10	25	15,16,17	-	-	3.59	91	+46	18	1	22	15	6	6	0	0	5	15	1	1.90	+0.43	25	
Boghall	9 9 9	639	38.8	31.6	35.2	-	49	9	21	19	34.8	38.7	3.21	99	-	18	20	21	15	6	9	2	0	2	19	-	1.85	-	24	
Liberton	9 9 9	190	40.2	32.3	36.3	-	50	9	21	19	-	-	3.94	100	-	18	1	20	15	6	6	0	0	-	-	-	-	-	-	
Univ. King's B.	9 9 9	225	40.3	32.7	36.5	-3.6	50	9	23	15	35.7	40.8	3.64	92	-	18	1	17	15	-	-	-	-	-	-	-	-	-	-	
E. Lothian.																														
Dunbar	9 9 9	75	41.7	34.0	37.9	-	51	9	25	16,20	-	-	2.72	69	-	13	20	19	12	4	1	0	0	0	19	0	1.76	-	23	
N. Berwick	9 9 9	118	40.8	(31.7)	(36.3)	-	50	10	22	20,21	-	-	4.01	102	+61	20	25	23	19	5	3									

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JANUARY, 1936

DISTRICT, COUNTY AND PLACE.	Terminol Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.					WEATHER. Number of days.							BRIGHT SUNSHINE.		
			Means of		Difference from Average.	Absolute Maximum and Minimum.				1 ft.	4 ft.	Total Fall.	Difference from Average.	Most in a day.		Precip'n.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Calc.	Hours per day.		Per Cent.				
			A Max.	B Min.		Maximum.	Date.	Minimum.	Date.					Amount.	Date.								0.2 mm. or more.	1 mm. or more.		Daily Mean.	Difference from Average.		
			Max. Min. Rain.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%		
6b. ISLE OF MAN.																													
Isle of Man.	G.M.T.																												
Douglas ..	9 9 9	284	43.6	35.9	39.7	-1.6	52	9	27	17	-	-	6.44	164	+79	27	19	19	17	3	5	2	0	0	11	4	1.73	+0.15	22
Point of Ayre ..	18-7 7	30	44.0	37.2	40.6	-	50	1,9,10	29	19	-	-	4.55	116	-	25	9	23	15	6	1	3	0	0	-	6	1.59	-	20
2. ENGLAND, N.E.																													
Northumberland.																													
Berwick-on-T. ..	9 9 9	76	41.4	33.3	37.3	-	50	9	22	19,20	-	-	3.73	95	+55	23	29	20	18	3	3	3	0	0	12	-	1.73	-	23
Bellingham ..	9 9 9	849	37.9	29.5	33.7	-1.8	48	9,10	16	20	-	-	5.13	130	+57	19	4	26	20	12	11	0	0	1	-	-	-	-	-
Cockle Park ..	2121 9	325	39.8	31.7	35.9	-1.9	51	9	22	18,19	35.7	39.2	3.91	99	+45	16	20	24	16	6	8	0	2	1	22	1	1.82	+0.30	24
Tynemouth ..	18-7 7	108	41.0	35.8	38.4	-2.3	54	9	25	19	-	-	3.81	97	+56	20	29	21	15	5	4	0	0	0	14	0	-	-	-
Durham.																													
Chopwellwood ..	9 9 9	446	40.6	31.9	36.3	-1.1	52	9	14	19	-	-	4.19	106	+50	25	29	22	16	4	11	0	0	0	18	-	1.84	+0.35	23
Durham ..	2121 9	336	41.2	33.1	37.1	-0.8	53	9,10	22	19	-	-	3.41	87	+45	16	19	21	16	4	9	0	0	2	18	1	1.92	+0.43	25
Houghall ..	9 9 9	160	43.8	31.2	37.4	-	55	9	13	19,20	-	-	4.14	105	-	27	19	18	16	7	6	0	0	3	23	1	1.67	-	21
Ushaw College ..	9 9 9	594	39.5	32.2	35.9	-1.4	50	9	22	19	-	-	4.26	108	+56	21	9	21	17	6	12	0	0	7	-	-	-	-	
Yorks., N. Riding.																													
Ampleforth ..	9 9 9	313	40.7	31.6	36.1	-1.6	53	9	12	19	-	-	4.57	116	-	15	19	24	19	6	10	0	0	6	23	-	1.49	-	19
Castleton ..	9 9 9	450	41.2	30.9	36.0	-	53	9	15	20	36.7	-	5.40	137	-	33	29	22	18	6	9	0	0	1	23	-	-	-	
Castwick ..	18-7 7	175	40.4	33.3	36.9	-	54	9	14	19	-	-	3.35	85	-	17	9	20	15	6	11	0	0	4	18	2	1.86	-	24
Scarborough ..	9 9 9	118	43.2	34.4	38.8	-1.2	55	9	19	19	40.9	-	3.97	101	+50	22	29	22	16	3	2	1	0	7	18	2	1.69	+0.31	21
York ..	2121 9	57	42.2	34.4	38.3	-1.1	56	9	16	19	37.9	42.1	3.31	84	+39	13	29	18	17	5	6	0	0	-	-	2	1.23	+0.23	155
Yorks., E. Riding.																													
Hull ..	2121 9	8	43.0	36.4	39.7	+0.4	55	9	21	19	38.4	42.5	2.81	71	+25	19	29	19	13	5	3	1	1	9	16	-	1.19	-	15
Spurn Head ..	18-7 7	29	41.9	36.8	39.3	-0.8	53	9	27	19	-	-	3.51	89	+49	14	29	22	16	6	2	0	0	4	-	4	1.46	-0.01	18
Lincoln.																													
Cranwell ..	18-7 7	240	41.5	33.7	37.6	-1.7	56	9	18	19	35.8	40.0	3.30	84	+40	25	29	19	14	3	4	0	1	17	13	1	1.58	-0.11	19
Cleethorpes ..	9 9 9	23	43.0	33.5	38.3	-	55	9	22	19,20	-	-	3.26	83	-	16	29	21	14	5	5	0	0	6	13	-	1.44	-	18
Skegness ..	9 9 9	15	43.0	33.2	38.1	-0.2	54	9	17	19	-	-	2.99	76	+32	14	25	20	13	4	4	1	0	5	12	-	1.69	-0.12	21
3. ENGLAND, E.																													
Norfolk.																													
Cromer ..	9 9 9	178	44.3	35.2	40.1	+1.2	54	10	23	19	-	-	2.30	58	+8	9	28	20	15	4	2	0	0	1	9	0	1.55	-0.25	19
Hunstanton ..	9 9 9	105	43.9	35.8	39.9	-	55	9	23	19	-	-	2.67	68	-	10	28	18	15	2	0	0	2	-	-	-	1.50	-	19
Norwich ..	9 9 9	110	44.0	34.1	39.1	+0.2	56	9	19	19	37.6	-	2.77	70	-	11	25	21	17	4	3	0	0	14	-	1.41	-0.16	17	
Sprowston ..	9 9 9	93	44.6	34.5	39.5	-	55	10	19	19	-	-	2.66	68	-	12	25	23	16	3	3	1	0	8	20	-	1.56	-	195
Terrington ..	9 9 9	13	44.1	33.9	39.0	-	57	9,10	21	19	-	-	3.01	76	-	14	25	20	14	1	3	0	0	7	16	-	1.28	-	16
Thetford ..	9 9 9	99	44.2	31.3	37.7	-	56	9	11	19	38.4	41.5	2.58	65	-	11	28	19	13	3	3	0	0	6	15	-	1.51	-	18
(Lynford Nursery)																													
Yarmouth ..	18-7 7	5	44.2	36.9	40.5	-0.2	56	9,10	25	19	40.3	45.2	2.70	69	+25	8	25	20	14	4	2	0	0	2	6	0	1.36	-0.40	17
Suffolk.																													
Bungay (Flix'n) ..	9 9 9	79	44.2	34.8	39.4	0.0	56	10	19	19	-	-	2.61	66	-	10	25	18	15	3	1	0	0	2	18	-	-	-	
Copdock ..	9 9 9	164	44.3	34.2	39.3	+0.9	56	9	17	19	38.7	42.4	3.47	88	-	13	28	20	18	5	4	0	1	6	14	-	1.50	-0.13	18
Felixstowe ..	18-7 7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hartest ..	9 9 9	250	44.1	32.8	38.5	-	55	9,11	11	19	-	-	3.89	99	-	13	28	21	18	4	5	0	0	3	19	-	1.40	-	17
Lowestoft ..	9 9 9	82	44.7	35.0	39.9	+1.0	55	9,10	22	19	39.5	42.3	2.66	87	+25	11	25	18	15	3	1	0	0	1	15	0	1.69	-0.26	21
Mildenhall ..	18-7 7	19	43.8	35.8	39.8	-	57	9	19	19	-	-	2.99	73	-	12	25	20	15	3	3	0	0	1	10	0	1.51	-	18
Cambridge.																													
Cambridge ..	2121 9	41	44.0	33.7	38.9	-0.3	56	9	16	19	38.6	42.8	2.72	69	+31	13	31	18	16	3	3	0	0	5	13	0	1.35	-0.39	16
(Bot. Gdus.)																													
(Univ. Farm) ..	9 9 9	78	44.4	33.2	38.8	-	57	9	15	19	-	-	2.91	74	-	11	28	19	17	2	3	0	1	4	15	0	1.91	-	23
Bedford.																													
Luton ..	9 9 9	381	43.8	34.1	38.9	-0.8	54	9,10	14	19	39.2	44.3	3.54	90	-	16	28	18	16	2	9	1	0	6	16	-	1.16	-0.49	14
Woburn ..	9 9 9	291	43.5	33.1	38.3	-0.6	55	9	15	19	38.4	43.8	3.29	83	+40	11	28	21	17	4	4	0	0	3	12	-	1.35	-0.30	16
Hertford.																													
Rickmansworth ..	9 9 9	192	44.5	28.0	36.3	-	56	10	12	14,15	37.7	42.1	5.00	127	-	23	28	26	20	7	6	1	0	10	25	1	1.38	-	178
Rothamsted ..	9 9 9	420	42.5	33.5	38.0	-0.4	54	9	18	19	38.2	-	3.87	98	+36	18	28	21	19	3	5	0	0	4	18	1	1.60	-0.15	19
St. Albans ..	9 9 9	272	44.3	33.5	38.9	-	56	9	17	19	38.9	-	4.22	107	+58	21	28	21	19	2	2	0	0	2	18	-	-	-	
Essex.																													
Clacton-on-S. ..	9 9 9	53	43.7	36.0	39.9	+1.0	53	9,10	26	18	39.8	43.2	3.59	91	+55	15	16	20	17	3	2	0	0	1	8	-	1.50	-0.37	18
Chelmsford ..	9 9 9	134	45.1	34.2	39.7	+0.3	54	9	18	19	-	-	4.13	105	+66	19	9	21	19	4	3	0	0	-	-	-	-	-	
Chelmsford (Agr. St.) ..	9 9 9	193	44.7	34.2	39.5	-	57	9	17	19	-	-	4.42	112	-	20	9	21	19	5	3</								

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JANUARY, 1936

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS.									FORCE (0-12).			DIRECTION										
										0	1 to 3	4 to 6	7 to 9	10	FOG.			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
															0	1	2				3	4	5													6	7	8	9
5. ENGLAND, S.E.—cont.																																					
Kent. Biggin Hill	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
	7	572	1000.7	-	39.5	1.0	7.8	91	7.6	3	2	3	8	15	0	0	2	0	5	0	9	14	1	0	0	11	19	1	1	2	2	3	8	9	5	0	
	13	572	1000.7	-	41.7	2.0	7.5	82	8.2	0	3	4	11	13	0	1	0	3	3	3	7	10	4	0	0	10	19	2	2	2	3	2	8	7	4	1	
Kent. Dungeness	7	—	—	-	40.1	1.8	7.4	85	7.8	2	3	4	8	14	1	1	0	6	4	7	9	2	0	0	1	13	17	0	1	3	2	4	5	11	5	0	
	13	—	—	-	44.7	1.9	8.7	85	8.2	0	1	4	20	6	0	0	0	2	6	14	9	0	0	0	19	12	0	4	0	1	2	6	11	6	1		
	18	—	—	-	43.2	1.5	8.2	87	8.1	0	3	4	14	10	0	0	0	2	7	12	10	0	0	0	16	14	1	4	0	2	1	4	12	6	1		
Kent. Lympne	1	345	1002.3	-	39.6	1.2	7.5	89	6.2	3	9	2	4	13	0	1	1	2	0	2	12	11	3	0	0	13	18	0	4	1	0	3	5	11	5	2	
	7	345	1001.5	-	40.3	1.0	7.9	91	7.9	0	6	2	8	15	0	2	1	0	3	3	7	11	4	0	0	12	19	0	4	2	1	3	9	8	3	1	
	13	345	1001.4	-	42.7	1.9	7.9	84	8.7	0	1	4	12	14	0	0	0	0	2	5	12	10	3	0	0	18	12	1	3	1	2	3	6	9	6	0	
Kent. Manston	1	141	1001.7	-	40.0	1.2	7.7	89	5.7	8	3	3	8	9	0	0	0	2	1	2	9	12	4	1	0	13	12	2	1	1	3	4	13	5	0		
	7	141	1000.9	-	40.8	1.0	8.0	90	7.6	0	5	4	9	13	0	0	0	2	2	4	17	6	0	0	17	17	1	3	1	0	3	7	11	4	1		
	13	141	1000.9	-	43.8	2.3	8.0	81	8.4	0	1	4	13	13	0	0	0	1	0	1	10	15	4	0	0	18	13	0	3	1	0	4	9	9	5	0	
Kent. Tunbridge Wells	18	141	1001.3	-	41.4	1.9	7.6	85	7.1	1	6	3	7	14	0	0	0	2	0	3	8	12	6	0	0	17	14	0	2	0	1	5	5	10	5	3	
	9	407	1001.5	-	39.9	0.7	7.8	93	8.2	1	4	1	6	19	0	0	1	2	1	8	10	7	2	0	0	6	5	0	3	2	1	3	4	8	8	4	
	Sussex. Brighton	H	9	48	1001.3	-	42.9	1.3	8.4	89	8.9	0	0	4	8	19	0	0	0	2	2	7	10	8	2	0	0	7	24	0	2	3	1	2	7	12	2	2
Sussex. Hastings	H	9	174	1000.9	-	42.4	1.2	8.1	90	7.8	1	3	4	12	11	0	0	0	2	13	10	6	0	0	0	9	20	2	0	5	0	2	1	13	1	7	
	21	174	1001.8	-	41.9	1.4	7.9	87	6.4	9	1	3	0	18	0	0	0	0	2	20	8	1	0	0	1	11	18	1	0	4	0	6	0	12	2	6	
Hampshire. Calshot	7	15	1000.2	-	42.4	0.8	8.3	93	7.9	0	4	4	9	14	0	0	0	1	0	0	1	14	15	0	0	11	19	1	4	2	3	5	7	6	3	0	
	13	15	1000.7	-	44.8	1.8	8.7	87	8.5	0	0	5	17	9	0	0	0	0	1	12	12	6	0	0	18	11	2	2	4	2	5	9	4	1			
	18	15	1000.7	-	43.2	1.2	8.5	90	7.7	0	5	3	9	14	0	0	0	1	0	2	1	13	13	0	1	13	16	1	3	1	5	2	2	10	5	2	
Hampshire. Southampton	9	84	1000.7	-17.1	41.8	1.0	8.3	91	8.3	4	0	1	3	23	0	1	4	1	1	23	1	0	0	0	0	3	28	0	1	7	2	1	5	8	6	1	
	21	84	1001.8	-15.9	41.5	1.3	7.8	89	8.5	3	1	1	3	23	0	1	2	1	1	9	17	0	0	0	0	7	24	0	1	5	2	2	1	7	12	1	
Hampshire. S. Farnborough	7	256	1000.0	-	39.7	0.9	7.8	91	7.8	0	6	0	15	10	0	0	2	2	2	2	1	10	12	2	0	0	7	22	2	1	1	3	3	6	8	1	
	13	256	1000.3	-	43.5	2.1	8.1	83	8.5	0	0	6	16	9	0	0	0	4	3	2	11	9	2	0	0	9	19	3	1	2	2	3	5	7	7	1	
I. of Wight. Ventnor (Hosp.)	18	256	1000.5	-	40.6	1.2	7.8	89	7.5	0	5	5	6	15	0	0	1	2	3	7	6	11	1	0	1	6	21	3	2	2	3	2	5	8	5	1	
	9	80	1000.5	-	43.7	1.4	8.7	88	8.4	0	3	2	12	14	0	-	-	-	-	-	-	-	-	-	-	0	11	20	0	1	0	5	4	0	3	13	5
Wilts. Amesbury (Boscombe Down)	15	80	1000.2	-	44.8	2.1	8.4	83	7.0	0	5	6	8	12	-	-	-	-	-	-	-	-	-	-	-	0	11	20	0	4	0	3	5	0	3	12	4
	7	418	999.7	-	39.6	0.7	7.9	94	8.5	1	2	1	10	17	0	0	1	2	0	3	4	20	1	0	0	13	17	1	2	3	4	2	7	8	3	1	
Wilts. Larkhill	13	418	1000.1	-	42.3	1.7	8.0	86	8.6	0	1	2	13	15	0	0	1	1	1	2	8	16	2	0	0	14	15	2	1	2	4	3	7	5	5	2	
	18	418	999.9	-	40.1	1.1	7.8	90	7.2	2	6	2	6	15	0	1	0	2	0	5	6	16	1	0	1	11	18	1	3	1	3	4	5	6	6	2	
	9	444	998.2	-	39.0	0.9	7.6	92	8.8	0	1	2	13	15	0	1	2	0	3	2	7	9	7	0	0	12	15	4	2	3	4	1	7	7	3	0	
7a. ENGLAND, N.W.	13	444	998.2	-	42.0	1.7	7.9	85	8.4	0	1	3	12	15	0	0	0	0	2	2	3	10	14	0	0	15	15	1	2	2	4	2	6	6	7	1	
	15	444	999.2	-	41.8	2.0	7.7	83	8.4	0	1	5	11	14	0	1	0	0	2	2	5	6	15	0	1	13	15	2	2	2	4	2	6	7	5	1	
	Lancashire. Hutton	9	86	-	36.9	1.1	6.6	89	7.1	0	4	9	7	11	-	-	-	-	-	-	-	-	-	-	-	0	1	30	0	1	6	3	5	4	4	4	4
Lancashire. Manchester (Barton)	7	83	997.2	-	36.6	0.9	6.9	91	6.7	5	4	3	2	17	1	0	2	2	4	6	11	5	0	0	0	10	19	2	1	1	4	4	8	4	5	2	
	13	83	998.1	-	40.1	1.7	7.3	85	8.1	0	5	2	11	13	0	2	1	4	3	8	10	2	1	0	0	10	20	1	1	1	0	6	5	3	11	3	
	18	83	997.9	-	38.8	1.3	7.2	88	8.4	0	2	3	9	17	0	0	1	3	11	6	9	1	0	0	0	8	22	1	0	3	2	3	5	8	4	5	
Lancashire. Manchester (Whitworth Pk.)	9	127	998.0	-	37.8	1.6	6.8	85	8.1	1	3	3	4	20	-	-	-	-	-	-	-	-	-	-	0	0	28	3	2	1	4	5	6	4	6	0	
	21	127	998.0	-	39.3	1.7	6.8	85	7.8	2	1	7	4	17	-	-	-	-	-	-	-	-	-	-	1	2	28	0	3	2	0	5	8	6	5	2	
Lancashire. Southport * (Bedford Rd. Park)	9	37	997.6	-18.1	38.2	1.4	6.9	87	8.3	0	4	2	9	18	0	0	1	4	4	10	3	3	6	0	0	12	19	0	2	2	4	7	4	4	6	2	
	13	37	997.4	-17.9	41.2	2.0	7.4	83	8.8	0	3	2	5	21	0	0	0	1	5	14	0	2	9	0	0	11	20	0	0	3	1	6	3	7	6	5	
	18																																				

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JANUARY, 1936

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.				VISIBILITY.									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	No. of Observations.				NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	Fog.			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
															0	1	2				3	4	5													6	7	8	9
8a. SOUTH WALES—cont.																																				
Radnor. Llandrindod Wells Rhayader ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																												
	9	725	998.8	-	36.5	0.8	6.9	92	8.6	0	3	0	10	18	0	1	0	0	1	0	20	8	1	0	0	10	21	0	1	3	1	1	6	6	10	3
9	—	—	—	—	35.9	1.8	5.9	82	8.5	1	1	4	6	19	0	0	1	1	2	1	11	8	6	1	0	4	27	0	5	0	2	6	0	8	9	1
Glamorgan. Cardiff ..	9	216	999.6	-	39.3	1.0	7.3	91	7.6	0	5	5	6	15	0	0	1	2	5	6	14	3	0	0	0	11	20	0	0	8	2	1	4	11	4	1
	21	216	999.6	-	40.2	1.4	7.4	87	6.9	6	1	3	5	16	0	0	0	0	0	4	20	0	7	0	0	11	20	0	1	3	5	3	3	8	6	2
8b. ENGLAND, S.W.																																				
Somerset. Bath ..	9	113	999.7	-	41.0	1.2	7.8	89	8.1	0	2	5	10	14	0	0	0	1	6	7	16	1	0	0	0	2	23	6	1	4	3	1	5	4	7	0
Dorset. Holton Heath H	9	58	1000.4	-	42.3	1.0	8.5	91	8.3	1	3	2	7	18	0	0	0	0	2	4	11	14	0	0	0	13	17	1	2	6	2	2	4	6	6	2
	15	58	1000.2	-	44.8	2.3	8.4	82	8.5	0	2	1	13	15	0	0	0	0	0	4	13	14	0	0	1	15	14	1	5	3	1	4	2	5	8	2
Dorset. Portland Bill ..	1	37	999.7	-	45.3	1.4	9.0	89	7.4	2	1	7	8	13	0	0	0	0	0	0	3	21	7	0	0	26	5	0	0	2	2	4	5	6	7	5
	7	37	999.1	-	44.9	1.2	9.2	91	8.9	0	1	3	7	20	0	0	0	0	0	0	4	20	7	0	0	24	7	0	1	1	5	2	6	6	6	4
	13	37	999.5	-	45.9	1.6	9.2	87	8.5	0	1	5	11	14	0	0	0	0	0	0	4	21	6	0	0	25	6	0	0	3	2	6	2	6	5	7
	18	37	998.6	-	45.0	1.5	8.9	87	7.7	0	5	4	7	15	0	0	0	0	0	0	0	9	16	6	0	0	19	12	0	2	2	4	3	3	6	5	7
Devon. Moretonhampstead	9	801	999.7	-	40.2	1.2	7.7	89	8.7	0	2	9	18	0	2	2	0	1	1	7	7	11	0	0	14	16	1	2	1	2	5	5	4	8	3	
	15	801	999.2	-	42.1	1.8	7.6	85	8.3	0	1	7	8	15	0	3	0	0	1	0	8	1	19	0	1	15	13	2	3	1	0	5	4	5	6	
Devon. Plymouth (Mount Batten) H	7	27	999.1	-	43.8	0.6	9.2	93	8.3	0	3	3	10	15	0	0	0	0	0	0	4	11	16	0	1	16	12	2	1	2	7	0	5	7	4	3
	13	27	999.2	-	46.5	2.0	9.2	85	8.8	0	1	3	13	14	0	0	0	0	0	0	6	15	10	0	0	21	9	1	2	0	5	4	2	8	5	4
	18	27	999.7	-	45.1	1.3	9.2	89	7.7	0	6	2	10	13	0	0	0	0	1	6	9	12	3	0	2	14	15	0	2	2	5	2	2	9	6	3
Cornwall. The Lizard ..	1	240	999.3	-	45.7	1.2	9.5	91	8.0	0	5	1	12	13	0	0	1	0	0	0	2	8	20	0	0	26	5	0	1	1	5	3	3	6	10	2
	7	240	998.6	-	45.3	1.2	9.2	91	8.6	0	0	5	10	16	0	1	1	0	1	1	2	10	15	0	0	26	5	0	1	1	5	3	3	6	10	2
	13	240	999.0	-	46.9	1.2	9.9	91	8.3	0	1	5	10	15	0	0	0	0	2	0	4	10	15	0	2	23	5	1	0	2	5	2	3	7	6	5
	18	240	999.5	-	45.8	1.4	9.4	89	7.9	0	2	7	11	11	0	0	1	0	0	0	3	7	20	0	2	23	6	0	3	0	3	3	3	8	9	2
Cornwall. Newquay ..	9	161	998.6	-	44.3	1.2	8.6	90	7.8	0	2	9	4	16	0	0	0	0	2	1	8	10	10	0	0	24	7	0	1	0	1	7	5	7	4	6
9. IRELAND, N.																																				
Sligo. Markree Castle ..	9	127	996.9	-	35.2	0.8	6.3	92	7.4	1	1	10	6	13	0	1	2	0	0	0	9	6	13	0	0	1	18	12	3	1	3	4	3	2	2	1
	21	127	995.9	-	37.7	0.8	7.2	92	7.6	0	4	6	5	16	0	1	2	0	0	1	4	9	14	0	0	1	19	11	1	1	2	3	6	3	2	2
Mayo. Blacksod Point ..	1	28	995.9	-	41.0	1.5	7.6	87	6.9	3	1	10	6	11	0	0	0	0	0	0	1	15	15	0	0	16	12	3	3	1	4	3	5	3	7	2
	7	28	995.9	-	40.5	1.7	7.4	85	6.5	1	6	10	3	11	0	1	0	0	0	0	0	18	12	0	0	14	10	7	2	1	6	1	3	2	7	2
	13	28	996.2	-	42.7	1.7	8.0	85	7.5	1	1	7	12	10	0	0	0	0	0	0	1	10	18	2	0	12	17	2	3	0	8	1	6	5	5	1
	18	28	995.6	-	41.7	1.6	7.8	86	7.8	1	1	4	13	12	0	0	0	0	0	0	1	15	15	0	0	12	15	4	2	1	5	1	6	3	7	2
Donegal. Malin Head ..	1	87	995.2	-	40.1	1.2	7.5	89	6.8	0	9	3	8	11	0	0	0	0	0	1	5	20	5	0	0	13	18	0	6	1	4	4	9	2	3	2
	7	87	994.2	-16.3	40.5	1.2	7.8	89	7.8	0	4	3	19	5	0	0	0	0	0	0	4	23	4	0	0	11	19	1	5	3	3	1	9	3	2	4
	13	87	995.4	-	42.4	1.4	8.0	88	7.5	0	4	3	18	6	0	0	0	0	0	0	4	24	3	0	0	11	20	0	4	2	3	2	6	6	4	4
	18	87	994.9	-	41.7	1.3	8.1	89	7.4	1	5	2	15	8	0	0	0	0	0	0	5	23	3	0	0	9	22	0	6	1	3	3	10	1	1	6
Antrim. Aldergrove H	7	245	995.5	-	35.5	0.8	6.6	92	7.8	1	3	4	9	14	0	3	0	2	1	0	3	16	6	0	0	9	16	6	0	2	4	2	10	5	1	1
	13	245	996.2	-	38.9	1.3	7.2	88	7.6	1	4	5	9	12	0	1	0	1	1	5	6	9	7	1	0	11	15	5	1	0	4	4	6	9	1	1
Armagh. Armagh .. H	18	245	995.7	-	37.8	1.0	7.1	90	7.9	0	3	5	9	14	0	0	1	0	2	3	7	9	9	0	0	9	18	4	1	1	6	4	7	5	2	1
	9	209	996.1	-17.7	35.8	1.0	6.5	89	7.5	2	4	1	11	13	0	4	1	0	0	0	3	13	10	0	0	5	23	3	0	2	2	3	6	13	2	0
21	209	996.2	-17.5	37.1	1.1	6.8	89	6.3	7	2	3	5	14	0	1	1	0	2	2	12	11	2	0	0	6	21	4	1	0	3	1	11	10	1	0	
10. IRELAND, S.																																				
Dublin. Glasnevin ..	9	56	997.5	-	37.5	1.0	6.7	90	7.7	0	0	13	4	14	0	2	3	4	9	4	5	1	3	0	0	2	29	0	0	3	0	3	2	3	11	9
	21	56	997.2	-	38.9	1.1	7.2	90	7.9	4	0	2	7	18	0	0	2	2	11	4	9	1	2	0	1	2	26	2	3	1	1	3	2	3	8	8
Offaly. Birr Castle ..	7	193	996.3	-18.0	35.6	0.4	6.9	96	6.5	2	4	9	4	12	0	0	0	1	0	0	0	13	17	0	0	0	26	5	2	1	2	12	5	2	0	
	13	193	997.1	-	39.8	1.3	7.4	88	7.8	1	3	5	7	15	0	0	0	1	0																	

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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VOL. 53. No. 2.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

FEBRUARY, 1936.—Cold; Wet in England, east Scotland and the extreme south of Ireland.

A shallow depression centred off north-west Ireland on the 1st, moved away eastward and, in its rear, cold northerly winds prevailed over the United Kingdom, with rather widespread showers of snow and sleet. Between the 4th and 6th a belt of high pressure moved eastward across the British Isles and later increased in intensity over southern Scandinavia and Denmark. Subsequently this system moved away southward but the country then came under the influence of an extension of an anticyclone over Greenland and cold, mainly dry conditions persisted for the most part until the 13th except in the west, where the weather was affected by depressions off our west and south-west coasts. A very deep depression off our south-west coasts caused widespread gales on the 10th and heavy rain in south-west England and south Ireland.

On the 15th and 16th, shallow depressions moved north-east or north across the British Isles and on the 17th a deep depression situated north of the Azores, moved rapidly north-east to the south of Ireland. This system ultimately moved northward and remained almost stationary off north-west Scotland. Meanwhile, secondary depressions moved north-east from the Bay of Biscay. This unsettled type, with precipitation at times, persisted until the 25th when a wedge of high pressure passed southward over the country.

From the 26th-28th a deep depression moved southward from Iceland to north France and, on the 29th, a disturbance over Amsterdam moved slowly westward. Snow or sleet was rather widespread on the 28th and 29th; the falls were fairly heavy in north-east England and the south-eastern uplands of Scotland and in the latter area the accompanying strong north-easterly winds caused deep drifts in places.

Pressure and Wind.—For the sixth month in succession, mean pressure was below the average generally. The deficiency was greatest in the south and least in the north and varied at 7h. from 11.4 mb. at the Scilly Isles to 0.8 mb. at Lerwick.

Winds from some easterly point were more frequent than usual. Gales were fairly frequent on the west and south-west coasts and in the extreme north and were reported on 9 days at Valentia Observatory, Baltasound and Lerwick and on 8 days at St. Ann's Head. The most widespread and severe gale in England and Ireland was the one around the 10th-11th; mean hourly speeds of 67 m.p.h., 64 m.p.h. and 60 m.p.h., were recorded at Pendennis Castle, the Lizard and St. Mary's, Scilly, respectively on the 10th. No very unusual velocities were recorded in Scotland, the highest mean hourly speed being 47 m.p.h. at Lerwick in the north-easterly gale on the 25th. Among the highest speeds recorded in gusts were 92 m.p.h. at Valentia, 90 m.p.h. at Pendennis and 88 m.p.h. at St. Mary's, Scilly, all on the 10th.

Temperature.—Mean temperature was below the average in all districts, the deficiency being greatest in England, N.E. (3.3°F.) and the Midlands (3.1°F.). At a few individual stations the deficiency exceeded 4°F. The coldest spells were, as a rule, from the 3rd-5th and the 8th-14th, though the 8th and 9th were fairly mild in parts of Scotland. Some low screen minima were registered during these periods; for example, 5°F. at Braemar and 6°F. at Balmoral on the 5th, 7°F. at Rickmansworth on the 12th and 5°F. at Braemar, 6°F. at Balmoral, 7°F. at Dalwhinnie and 9°F. at Peebles on the 13th. At Shoeburyness on the 11th, a thin layer of ice formed on the sea and extended 20 ft. out, while 2 to 3 ft. of flaked ice was heaped up by the incoming mid-day tide.

On the whole, the mildest spell occurred from the 17th-21st and was occasioned by a belt of equatorial air in front of a deep depression moving north-east and then north from the Azores; 56°F. was touched at Oundle and 55°F. at a few other stations in England on the 18th. Other mild days were the 1st, the 6th in parts of Ireland, the 8th and 9th in north and west Scotland, and the 26th.

The extremes for the month were:—(England and Wales) 56°F. at Oundle on the 18th, 7°F. at Rickmansworth on the 12th; (Scotland) 51°F. at Auchincruive on the 18th and at Forres on the 19th, 5°F. at Braemar on the 5th and 13th; (Ireland) 55°F. at Blacksod Point on the 6th, 21°F. at Aldergrove and Phoenix Park, Dublin, on the 4th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 112, the values for the constituent countries being England and Wales 127, Scotland 87 and Ireland 93.

The distribution was variable; in Scotland, less than the average fell in western, northern and central districts and more than the average in eastern districts. The deficiency amounted to as much as 65 per cent. at Fort Augustus and 59 per cent. at Fort William, while twice the average fell locally in the south-east. Although the rainfall of England and Wales as a whole was decidedly above average, a marked deficiency occurred at many places in north-west England and in Wales. More than twice the average fell, however, in many parts of north-east England and locally in Suffolk and Cornwall, while three times the average fell at the Scilly Isles. In Ireland, an excess occurred in the extreme south and south-east and at one or two places elsewhere; otherwise, there was a deficiency.

Among heavy falls in 24 hours were:—

6th 60 mm. at North Ballachulish (Inverness-shire).
 10th 79 mm. at Dunmanway (Co. Cork), 63 mm. at Cork and 61 mm. at Scilly.
 17th 51 mm. at Holne (Devon).

Sleet or snow occurred fairly frequently, particularly from the 2nd-5th, 10th-11th, 13th-14th, 21st-23rd, 25th and 27th-29th. At Balmoral and Braemar, snow lay every day throughout the month; on the 5th, the depth at Balmoral was 5½ inches and at some places in north-west England, it was 3 inches. The fall was fairly heavy on the last two days on high ground in north-east England and in the south-eastern uplands of Scotland; it was accompanied by drifts in some places.

Sunshine.—Broadly speaking, sunshine exceeded the average in England (except the south-west and the Channel Islands), in western Scotland and northern Ireland. The excess was greatest in the Midlands (128 per cent. of the average). See Table I. On the whole, the first half of the month was the sunnier; the 20th was, however, the sunniest day of the month at many stations.

Fog.—Local fog occurred at times, particularly from the 4th-6th, 8th, 12th-13th, 15th-18th, 22nd-26th and 28th-29th. The most notable fog was that of the 15th-16th, when it was both widespread and thick in many places.

Miscellaneous Phenomena.—The aurora was observed in Scotland on the 10th, 12th, 15th, 16th, 19th, 20th, 26th and 29th. Solar haloes were noted at Oxford on 9 days. Interesting examples of glazed frost occurred at Fareham and at Niton, Isle of Wight, on the 11th.

TABLE I.—DISTRICT VALUES.— FEBRUARY, 1936

[1908, revised 1928.]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	°F. 50	°F. 7	°F. -1.7	°F. -	°F. -	% 67	-1	% 97	% 22
Eastern.									
1. SCOTLAND, E.	51	5	-2.6	-	-	142	-1	92	23
2. ENGLAND, N.E.	53	11	-3.3	-2.5	-1.6	170	-1	111	25
3. ENGLAND, E.	54	7	-2.8	-2.0	-0.7	146	+2	113	27
4. MIDLAND COUNTIES ..	56	10	-3.1	-3.0	-1.9	118	-1	128	28
5. ENGLAND, S.E.	55	16	-2.1	-1.8	-0.3	118	+1	118	30

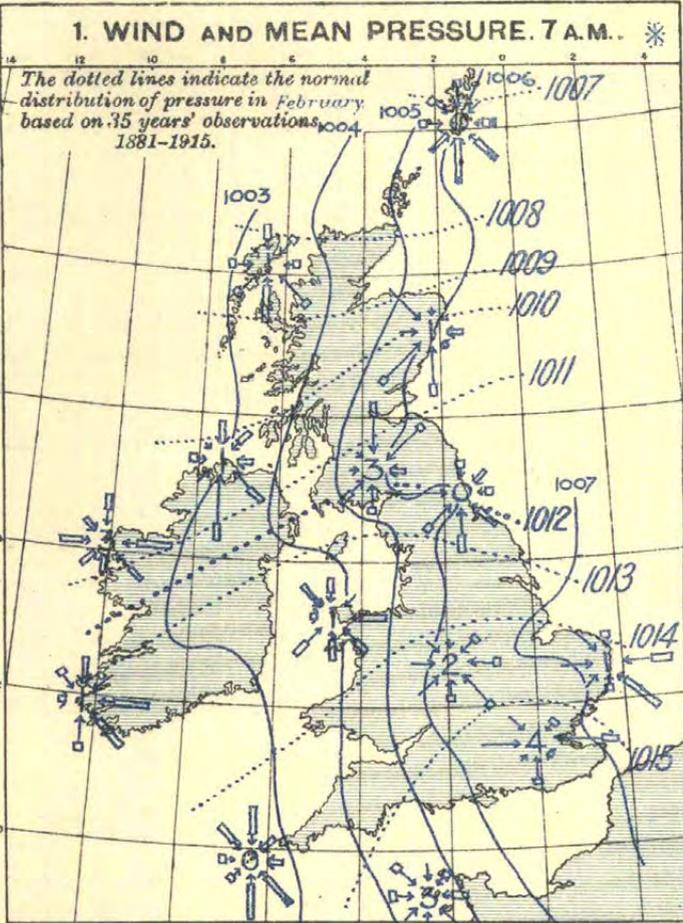
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western.	°F. 51	°F. 12	°F. -2.3	°F. -2.6	°F. -1.9	% 67	-2	% 119	% 22
6. SCOTLAND, W. (and I. of Man)	55	13	-2.7	-3.0	-2.0	97	-2	112	26
7. ENGLAND, N.W. (and N. Wales)	54	19	-1.9	-1.6	-0.8	117	+2	97	24
8. ENGLAND, S.W. (and S. Wales)	55	21	-1.6	-2.3	-2.3	76	-2	107	24
9. IRELAND, N. ...	53	21	-1.3	-2.1	-1.8	102	+3	98	24
10. IRELAND, S. ...	54	28	-0.8	-1.3	-0.4	195	+4	90	27
11. CHANNEL I. (and Scilly)	56	5	-2.4	-2.3	-1.5	115	0	109	25
Mean: DISTRICTS 1-10									

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— FEBRUARY, 1936

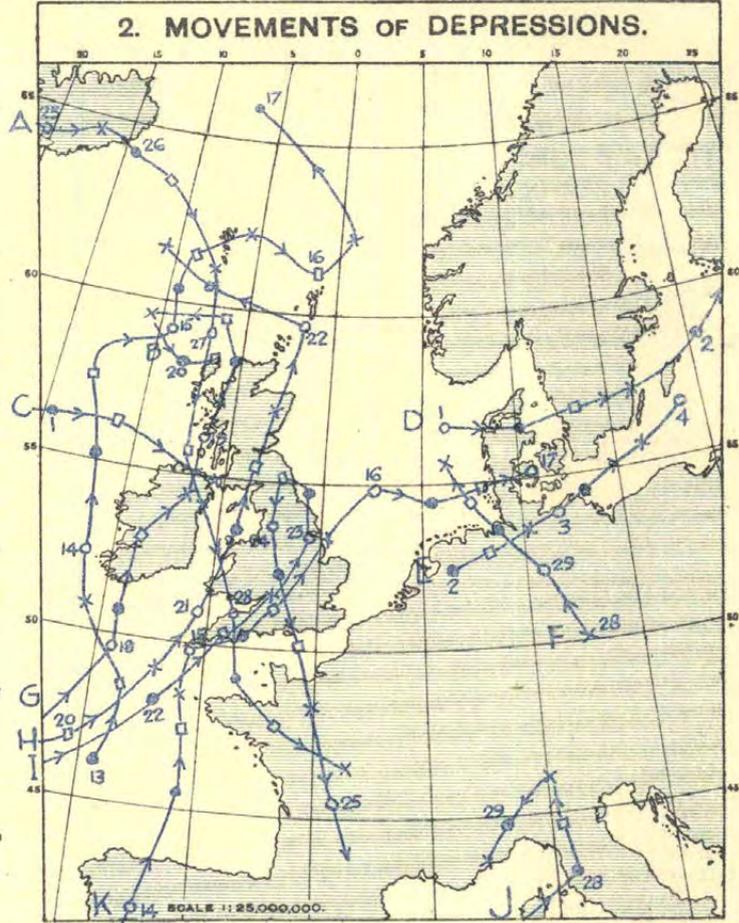
[1914.]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed	Hour ended at	Speed	Time		
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.	
0. SCOTLAND, N.																		
Shetland. Lerwick ..	310	53	39	6-7, 17-19, 22, 29.	58	18	209	209	194	26	0	30	47	21	29 22	69	31	18 17 35
Orkney. Kirkwall ..	170	40	35	-	0	17	172	286	159	79	0	160	37	17	6 09	80	27	29 23 20
Hebrides. Stornoway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																		
Aberdeen. Aberdeen ..	70	42	32	-	0	0	0	208	338	150	0	130	23	10	18 12	46	21	3 13 20
Kincardine. Balmakewan ..	140	25	20	-	0	1	2	59	(352)	(283)	0	60	25	11	29 24	41	18	29 22 25
Angus. Bell Rock Lighthouse	130	-	126	18, 24, 29	12	19	209	227	148	100	0	20	42	19	29 24	57	25	29 22 05
Edinburgh. Edinburgh ..	485	39	23	-	0	1	1	141	346	208	0	160	25	11	17 15	39	17	26 05 20
6a. SCOTLAND, W.																		
Argyll. Tiree ..	75	50	42	7	1	12	121	296	222	56	0	150	39	17	7 01	56	25	7 11 55
Renfrew. Paisley ..	188	81	31	-	0	0	0	80	413	203	0	100	22	10	10 16	50	22	10 13 00
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	1	3	141	315	237	0	260	29	13	26 14	47	21	10 12 25
Dumfries. Eskdalemuir ..	825	50	35	-	0	9	37	179	337	145	0	230	33	15	19 05	58	26	10 08 45
6b. ISLE OF MAN.																		
Isle of Man. Point of Ayre ..	70	40	-	7, 8, 10, 11	32	19	158	337	143	26	0	150	47	21	10 13	64	29	10 21 15
2. ENGLAND, N.E.																		
Durham. South Shields ..	73	57	44	29	1	8	52	134	300	209	0	30	39	17	29 06	53	24	29 17 15
Yorks., N.R. Catterick ..	220	45	33	-	0	0	0	73	312	311	0	110	23	10	10 14	46	21	10 13 25
Yorks., E.R. Spurn Head ..	64	42	34	-	0	10	78	319	247	50	2	120	38	17	10 13	55	25	10 08 50
Lincoln. Cranwell ..	284	43	33	-	0	2	11	174	390	121	0	140	30	13	18 07	48	21	10 11 00
3. ENGLAND, E.																		
Norfolk. Gorleston ..	52	42	34	-	0	4	44	204	306	135	7	90	35	16	10 10	49	22	10 10 40
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	0	0	122	368	198	8	100	23	10	10 15	51	23	10 08 45
Suffolk. Mildenhall ..	64	45	20	-	0	3	33	204	370	89	0	70	38	17	10 13	56	25	10 08 30
Bedford. Cardington ..	285	150	135	-	0	3	33	204	370	89	0	70	38	17	10 13	56	25	10 08 30
Essex. Shoeburyness ..	115	104	89	10, 11	20	10	86	300	257	33	0	90	48	22	10 13	59	26	10 11 55
4. MIDLAND COUNTIES.																		
Warwick. Birmingham ..	643	118	73	-	0	2	23	208	415	50	0	100	34	15	10 11	60	27	10 10 45
5. ENGLAND, S.E.																		
London. South Kensington ..	137	110	30	-	0	1	5	108	476	107	0	70	26	12	10 14	58	26	10 10 45
Surrey. Kew Observatory ..	92	75	50	-	0	1	17	128	392	161	0	90	34	15	10 13	58	26	10 08 15
Surrey. Croydon ..	313	105	70	-	0	2	17	218	367	94	0	90	34	15	10 09	59	26	10 08 10
Kent. Dover ..	66	66	60	-	0	7	57	289	299	51	0	-	40	18	10 09	52	23	10 08 05
Kent. Lympne ..	418	76	48	-	0	6	32	302	326	36	0	100	35	16	10 21	51	23	10 09 10
Hampshire. Calshot ..	58	50	42	10, 11	8	12	64	230	321	73	0	90	45	20	10 23	58	26	10 20 20
Wiltshire. Boscombe Down ..	462	45	33	-	0	3	14	164	404	114	0	200	30	13	18 18	51	23	10 14 35
Wiltshire. Larkhill ..	491	51	36	-	0	5	34	246	355	61	0	200	34	15	18 18	52	23	10 13 55
7a. ENGLAND, N.W.																		
Lancashire. Fleetwood ..	112	50	31	-	0	7	31	281	357	27	0	320	30	13	3 06	49	22	3 05 20
Lancashire. Manchester (Barton)	153	83	80	10	1	6	40	226	302	127	0	120	40	18	10 12	61	27	10 12 15
Lancashire. Southport ..	60	42	33	-	0	4	36	280	354	26	0	110	35	16	10 08	55	25	10 07 15
Cheshire. Bidston Obs'y. ..	262	64	39	10, 11	2	8	60	369	234	31	0	90	41	18	11 01	63	28	10 10 55
7b. NORTH WALES.																		
Anglesey. Holyhead ..	68	43	35	10	8	12	90	297	220	81	0	90	45	20	10 16	65	29	10 16 00
Flint. Sealand ..	81	65	42	-	0	4	23	207	364	102	0	120	36	16	10 11	52	23	10 12 00
8b. ENGLAND, S.W.																		
Devon. Moretonhampstead ..	838	40	35	-	0	7	44	266	275	99	12	130	36	16	10 20	71	32	10 21 50
Devon. Plymouth ..	185	88	65	10, 17, 18	12	12	77	287	222	93	5	5	45	20	10 20	71	32	10 19 50
Cornwall. The Lizard ..	315	75	60	7-11, 17	68	20	185	277	131	35	0	100	64	29	10 17	82	37	10 18 15
Cornwall. Pendennis Castle ..	256	65	42	7-11, 13, 17, 18, 20.	79	19	176	218	137	60	20	70	67	30	10 19	90	40	10 18 10
9. IRELAND, N.																		
Donegal. Dunfanaghy Road	180	47	30	-	0	3	13	145	137	401	0	-	35	16	20 10	52	23	20 09 40
Antrim. Aldergrove ..	282	40	20	-	0	3	30	302	260	104	0	90	36	16	10 15	69	31	10 14 15
10. IRELAND, S.																		
Dublin. Kingstown (Cup Anr.)	49	27	27	10, 11	12	18	122	304	185	73	0	120	42	19	10 18	-	-	- - -
Clare. Quilty ..	100	40	32	10, 11	18	17	139	317	177	45	0	-	50	22	10 17	68	30	10 16 10
Kerry. Valentia Observatory	98	41	33	10, 11	14	15	143	280	173	86	0	100	50	23	10 18	92	41	10 12 45
Cork. Cork ..	132	71	40	-	0	4	25	143	333	171	24	-	34	15	11 02	63	28	11 01 10
11. SCILLY ISLES.																		
St. Mary's ..	230	65	57	8-11, 17	34	27	302	263	85	12	0	120	60	27	10 15	88	39	10 14 10

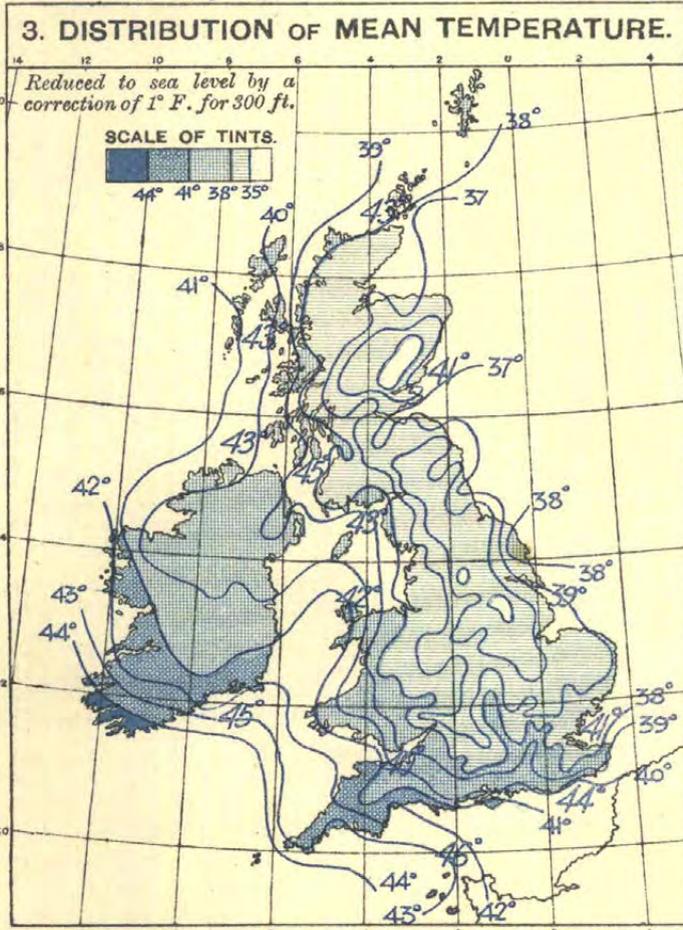
†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h.



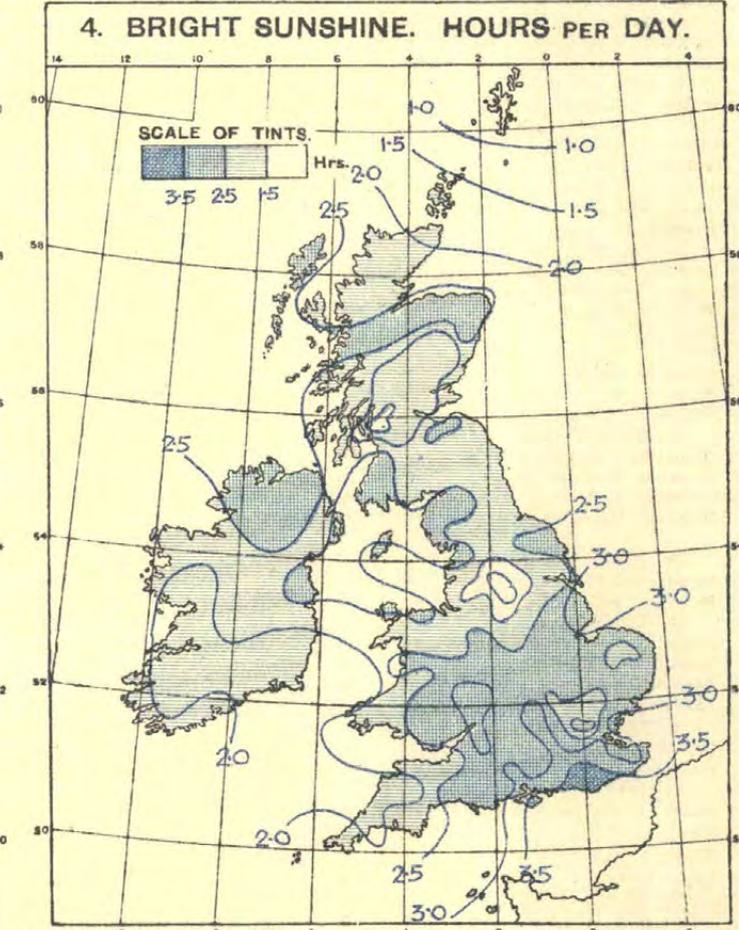
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG GALE
 30 Observ. 1 Inch.



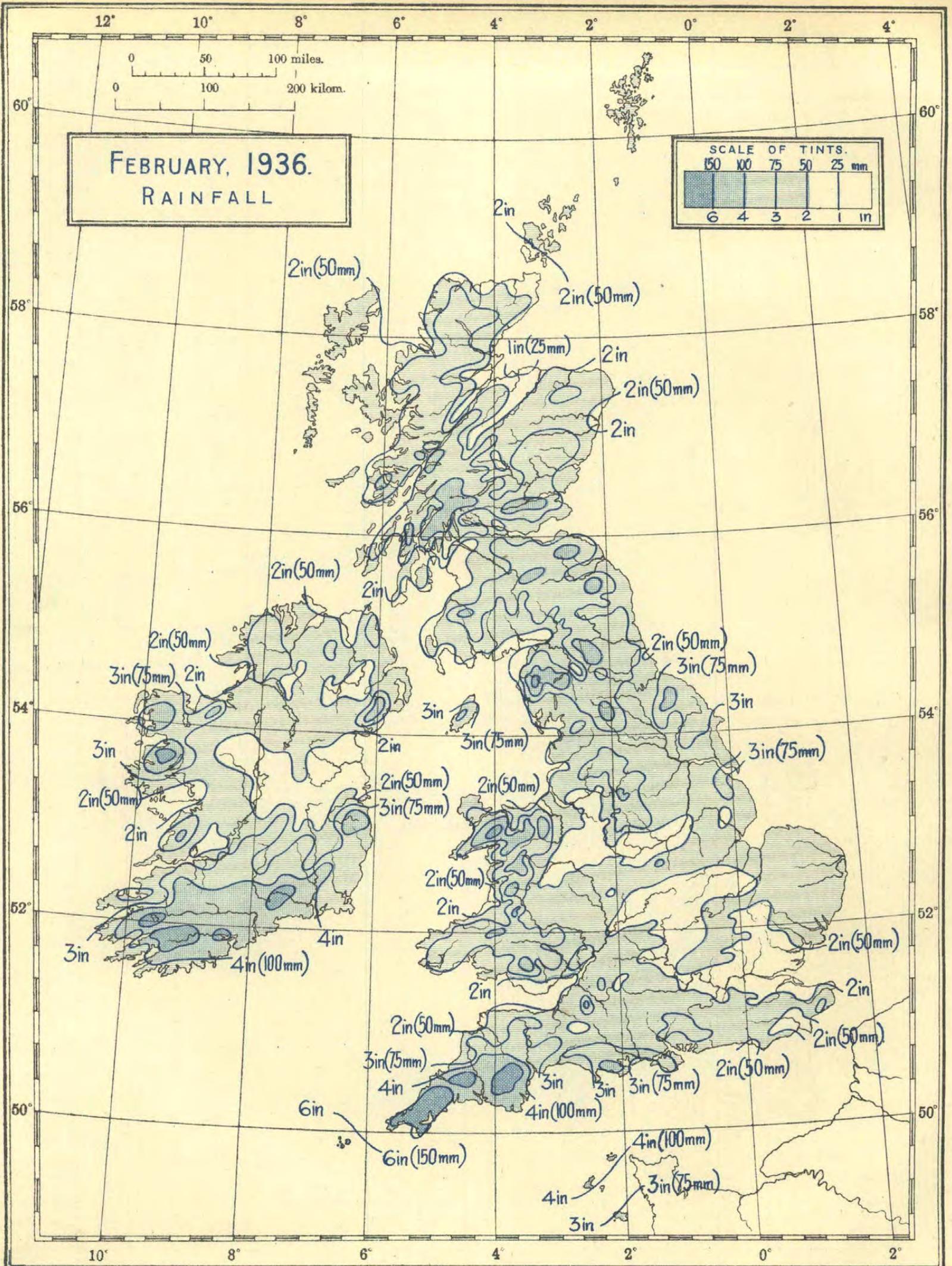
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.



Sea temperatures are shown in large figures, thus: 45°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 602/3048 Wt. 21A D.17. 6p. 908. 925. 3/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10in=254mm.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, FEBRUARY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day		Per Cent.						
			A	B		Maximum	Date	Minimum	Date						mm.	in.							0.2 mm. or more	1 mm. or more		Daily Mean	Difference from Average				
			Max. Min. Rain	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%					
4. MID. COUNTIES—cont.																															
Nottingham cont.	Nottingham	9 9 9	192	40.6	31.2	35.9	-3.2	53	18	21	13	34.9	37.7	1.60	41	+ 2	8	17	16	11	-	-	-	21	22	-	2.48	+0.59	25		
	Sutton Bon'gton	9 9 9	157	40.8	28.3	34.5	-	53	18	15	13	-	-	1.85	47	+12	14	17	15	12	6	2	0	0	8	22	-	2.61	-	27	
	Worksop	9 9 9	56	41.2	28.1	34.7	-4.3	52	18	14	12	35.6	41.0	2.87	68	+29	17	28	16	13	6	8	0	0	-	20	0	2.41	-	25	
Leicester.	Belvoir Castle	2121 9	259	39.8	30.0	34.9	-3.8	52	18	10	12	36.2	41.9	1.98	50	+ 8	13	17	12	10	-	-	-	-	26	-	2.94	+0.39	30		
Northampton	Oundle	9 9 9	147	40.3	30.0	35.4	-3.4	56	18	17	13	36.2	40.7	1.65	42	-	11	22	17	9	4	0	0	0	4	21	-	2.65	+0.51	27	
Warwick.	Birmingham	18-7 7	535	40.4	31.9	36.1	-2.8	51	18	24	12,13	38.1	43.2	2.74	70	+27	19	17	14	13	8	2	0	0	4	17	0	2.67	+0.76	27	
	Sparkhill	713 7	425	41.4	30.0	35.7	-3.6	51	18	16	13	-	-	2.95	75	+29	21	17	16	11	6	2	1	0	6	20	-	-	-		
	Coventry	9 9 9	241	41.2	29.3	35.3	-4.2	54	18	16	13	37.5	41.2	1.81	46	+ 1	16	22	15	11	3	0	0	0	4	22	-	2.91	+0.92	30S	
	Rugby	2121 9	390	42.7	28.9	35.8	-	52	18	18	12	-	-	1.80	46	-	16	22	14	9	3	2	0	0	-	24	-	-	-		
Stratford-on-Avon	9 9 9	210	41.9	30.3	36.1	-	54	18	19	13	-	-	1.55	39	-	14	22	14	6	7	0	0	0	4	-	-	2.97	-	29		
Oxford.	Oxford	9 9 9	208	43.2	31.5	37.3	-2.9	54	18	21	12,13	37.4	41.7	1.56	40	- 2	12	22	12	9	3	0	0	0	5	19	0	3.08	+0.65	31	
Bucks.	Halton	9 9 9	544	41.3	30.7	36.0	-	52	18	18	12	36.5	41.3	2.80	71	-	18	17	16	12	4	0	1	0	7	21	-	2.72	-	28	
	Mursley	9 9 9	490	40.7	29.6	35.1	-	52	18	19	12	36.3	-	1.46	37	- 6	13	22	13	8	-	-	-	-	-	-	-	2.38	-	24	
Stafford.	Mayfield	9 9 9	374	39.8	29.0	34.4	-3.5	50	18	16	13	-	-	1.91	49	- 8	15	17	16	14	5	3	0	0	-	21	-	2.47	+0.55	25S	
Shropshire.	Newport	9 9 9	211	41.6	31.0	36.3	-	52	18	20	12,13	-	-	1.83	46	+ 6	13	17	14	11	3	1	0	0	6	19	-	2.62	-	27	
	Shrewsbury	9 9 9	184	42.1	30.2	36.1	-3.9	54	18	15	13	37.4	41.0	1.79	45	-	8	17	13	12	3	1	0	0	2	25	1	2.47	-	25	
Worcester.	Malvern	9 9 9	380	40.8	32.2	36.5	-3.0	50	18	22	12	35.3	39.2	2.89	73	+27	25	17	16	11	5	4	0	0	4	19	-	3.04	+0.56	31	
	Worcester (Perdiswell)	9 9 9	94	43.0	30.3	36.7	-	53	18	18	13	-	-	2.32	59	-	17	17,22	14	11	4	0	2	0	-	20	-	2.74	-	28	
Hereford.	Bromyard	9 9 9	393	41.8	29.5	35.7	-3.5	50	18,19,20	14	12	36.6	40.4	2.42	61	-	23	17	16	13	6	5	0	0	8	20	-	-	-		
	Hereford	9 9 9	292	41.9	29.1	35.5	-4.0	51	18	13	13	-	-	2.53	67	+15	23	17	15	10	2	6	2	0	2	20	0	-	-		
	Ross-on-Wye	18-7 7	223	42.5	32.1	37.3	-3.3	53	18	14	13	37.6	41.6	2.39	61	+10	22	17	15	10	4	3	2	0	5	21	0	3.12	+0.82	32	
Gloucester.	Bristol (Horfield)	18-7 7	206	43.1	32.6	37.9	-	52	18	23	13	39.1	42.4	2.87	68	-	17	22	18	10	2	4	1	0	2	18	2	-	-		
	Cheltenham	2121 9	214	42.3	31.3	36.8	-3.3	52	18	21	12	37.7	41.2	2.36	60	+11	19	17	17	10	4	2	1	0	3	22	0	2.93	+0.50	30	
	Cirencester	9 9 9	443	41.5	29.3	35.4	-3.1	53	18	22	4,12,16	-	-	2.48	63	-	17	22	16	13	(2)	(1)	(0)	(0)	(2)	23	-	2.76	-	28	
	Parkend	9 9 9	325	41.9	29.3	35.6	-	50	17,18	17	13	37.6	40.3	3.19	81	-	23	17	14	12	3	3	1	0	2	23	-	3.02	-	31	
5. ENGLAND, S.E.																															
London.	City, Bunhill Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.57	+0.37	16		
	Camden Square	9 9 9	110	42.4	33.2	37.8	-2.7	54	18	22	12	38.0	42.8	1.47	37	- 5	9	22	14	11	2	0	0	0	-	19	-	-	-		
	East Ham	9 9 9	15	42.7	32.9	37.8	-2.5	55	18	21	12	-	-	1.31	33	- 5	9	17	12	10	-	-	-	-	-	-	-	-	-		
	Enfield	9 9 9	148	42.6	31.8	37.2	-2.7	53	18	22	13	-	40.9	1.65	42	0	13	17	13	13	0	0	0	0	6	16	-	2.39	-	24	
	Greenwich	2424 9	149	42.7	31.8	37.3	-3.0	54	18	19	12	38.8	42.0	1.41	36	- 4	9	17	14	12	1	0	1	0	8	18	1	2.25	+0.12	23	
	Hampstead	9 9 9	450	40.7	31.0	35.9	-3.4	52	18	19	4	-	-	1.64	42	-	10	17	14	12	3	0	0	0	-	24	-	2.07	+0.07	21	
	Kensington	18-9 9	80	42.7	34.4	38.5	-2.8	55	18	24	12	39.0	42.7	1.43	36	- 6	9	22	14	11	1	0	0	0	11	20	1	2.19	-	22	
	Kingsway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.92	-	19	
	Regent's Park	9 9 9	129	42.8	33.6	38.2	-	55	18	23	12	-	-	1.23	36	-	9	22	14	10	1	0	0	0	7	15	-	1.66	+0.05	17	
	Kew	2424 24	18	42.6	32.9	37.7	-3.0	53	18	23	12	37.6	42.6	1.61	41	+ 2	9	22	13	12	0	0	0	0	4	19	0	2.58	+0.44	26	
	Observatory	18-7 -	-	42.7	33.8	38.3	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Tottenham	2121 9	51	43.2	33.3	38.3	-2.8	54	18	23	12	-	43.5	1.55	39	- 2	9	17	16	12	1	0	0	0	-	13	-	2.40	+0.68	24	
	Westminster	9 9 9	27	43.7	34.3	39.0	-2.6	55	18	26	12	-	-	1.28	33	- 4	8	22	14	10	0	0	0	0	-	16	-	1.89	+0.29	19	
	Surrey.	Addington	9 9 9	472	41.5	31.2	36.3	-2.6	51	17,18	21	12	-	-	2.04	52	-	20	17	15	11	0	0	0	0	8	-	-	-	-	
		Croydon	18-7 7	217	43.5	32.7	38.1	-2.7	54	18	19	12,13	-	-	2.15	55	+ 6	18	17	14	11	2	0	1	0	4	17	0	2.98	+0.71	30
		Wisley	9 9 9	150	43.3	31.7	37.5	-2.7	54	18	19	12,13	38.4	42.3	1.76	45	-	16	17	14	10	1	0	0	0	7	24	0	2.69	+0.30	27S
Kent.	Biggin Hill	18-7 7	567	41.7	32.1	36.9	-2.3	51	18	17	12	-	-	2.09	53	- 5	15	17	16	12	4	0	2	0	5	17	1	3.24	+0.79	33	
	Bromley	9 9 9	213	42.8	31.6	37.2	-	55	18	18	12,13	-	-	1.62	41	- 1	16	17	14	9	2	0	0	0	6	20	-	-	-		
	Canterbury	9 9 9	124	42.9	31.5	37.2	-3.1	53	17	16	12	40.4	42.9	1.99	51	-	16	17	14	11	-	-	-	-	-	-	-	-	-		
	Dover	9 9 9	22	43.2	35.1	39.1	-1.3	49	1,18,20	25	11	39.4	43.1	2.29	58	-	13	17	16	13	2	0	0	0	4	8	0	3.24	+0.28	33	
	Dungeness	18-7 7	20	44.6	33.9	39.3	-2.0	54	1	22	5	-	-	1.85	47	+ 6	10	17	17	12	1	0	0	0	3	-</					

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, FEBRUARY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE						
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.									
			A Max.	B Min.		Maximum	Date	Minimum												Date	0.2 mm. or more		1 mm. or more	Snow	Hail	Daily Mean	Difference from Average				
8b. ENGLAND, S.W.—cont.																															
Dorset.	Holton Heath	9 9 9	64	45.1	33.5	39.3	-2.5	53	1,18,19	24	4	39.8	42.8	3.18	81	-	24	17	17	13	1	0	0	0	1	16	1	2.91	+0.17	29	
	Portland Bill	18-7 7	32	44.6	39.0	41.8	-1.5	51	20	32	4	-	-	3.13	79	+30	19	17	15	13	2	0	1	0	1	0	-	-	-	-	
	Shaftesbury	9 9 9	722	41.7	32.2	36.9	-2.0	50	17	24	8,13	-	-	2.37	60	+1	17	17	15	15	1	0	1	0	0	-	-	-	-	-	
Devon.	Arlington	9 9 9	613	44.9	33.8	39.3	-0.8	52	17	27	8,16	-	-	2.50	63	-36	13	17	21	12	2	2	3	0	-	-	-	-	-	-	
	Cullompton	9 9 9	202	45.5	33.5	39.5	-1.6	52	19,20,21	26	4	40.7	-	3.13	80	+9	23	17	20	15	1	1	0	0	2	19	-	2.27	-0.38	23	
	Ilfracombe	9 9 9	25	45.5	37.7	41.6	-1.6	54	17	30	8,9	41.5	45.9	2.13	54	-13	12	17	16	9	0	0	0	0	0	4	-	2.13	-0.36	22	
	Killerton	9 9 9	159	45.5	34.1	39.8	-1.9	52	1,20,21	27	29	-	-	3.68	93	-	26	17	20	17	-	-	-	-	2	25	-	-	-	-	
	Moretonhampstead	9 9 9	798	41.7	33.8	37.7	-	50	17	29	16,26	39.4	42.6	6.90	175	-	48	17	19	15	9	4	5	0	3	12	1	1.87	-	19	
	Newton Abbot	9 9 9	375	44.8	35.4	40.1	-	52	21	28	16	-	-	4.66	118	+41	30	9	16	13	5	1	0	0	1	15	-	2.01	-	20	
	Paignton	9 9 9	12	46.1	36.8	41.5	-1.9	53	18,19	28	26	-	-	4.26	108	-	29	17	18	13	2	0	2	0	1	12	-	2.16	-0.47	22	
	Plymouth (Hoe)	2121 9	117	46.2	37.4	41.8	-1.4	53	1	32	4,16,29	41.7	44.7	4.96	126	+51	28	9	17	12	2	0	2	0	1	5	3	2.14	-0.65	21	
	Plymouth (Mount Batten)	18-7 7	82	45.5	38.3	41.9	-1.8	51	17,18,21	32	4,28,29	-	-	4.61	117	-	27	9	18	15	2	1	4	0	0	6	3	2.06	-0.79	21	
	Princetown	9 9 9	1430	40.0	32.1	36.1	-0.9	48	18	26	9	-	-	7.09	180	-12	42	17	20	16	8	14	1	0	10	22	-	-	-	-	
	Sidmouth	9 9 9	25	46.2	36.2	41.2	-0.8	53	19	29	4,26,29	-	-	2.91	74	-	19	17	17	11	2	0	1	0	0	11	-	2.54	-	26	
	Tavistock	9 9 9	457	44.2	35.5	39.9	-1.8	50	17	28	4,16	-	42.4	4.97	126	+23	26	17	20	18	4	1	3	0	0	16	3	-	-	-	
	Teignmouth	9 9 9	20	46.2	37.7	41.9	-1.3	53	18	31	16	-	-	3.77	96	+28	25	17	16	12	4	0	0	0	1	-	-	2.12	-0.65	21	
	Torquay	9 9 9	27	46.2	36.4	41.3	-2.0	53	18,19	29	26,29	-	44.3	3.79	96	+26	26	17	17	12	2	0	0	0	1	9	1	2.21	-0.72	22	
Cornwall.	Falmouth Obs.	9 9 9	167	46.9	39.0	42.9	-0.9	52	17,18,21	33	4,16	42.8	45.2	6.34	161	+67	42	10	22	19	0	0	1	0	2	6	-	2.21	-0.59	22	
	Fowey	9 9 9	51	47.7	38.4	43.1	-1.0	54	21	33	4,16	-	-	4.80	122	-	23	10	20	19	0	0	0	0	0	-	-	1.93	-0.73	19	
	Gulval	9 9 9	20	48.1	37.4	42.7	-	52	1,18,21	31	4,20	-	-	7.24	184	-	55	10	22	18	0	0	2	0	-	6	-	2.14	-	21	
	The Lizard	18-7 7	240	46.4	39.9	43.1	-	51	18	34	4,8	-	-	6.42	163	-	46	10	23	20	0	0	3	0	0	-	5	-	-	-	
	Newquay	9 9 9	190	45.5	38.0	41.7	-1.5	52	17,18	32	16	42.4	45.3	4.93	125	+60	37	10	20	17	1	0	0	0	0	-	2	1.69	-0.91	19	
	Redruth	9 9 9	397	45.0	37.2	41.1	-1.7	51	17	31	4	-	-	7.43	189	+93	47	10	22	19	2	0	2	0	1	11	6	-	-	-	
9. IRELAND, N.																															
Sligo.	Markree Cas.	2121 9	122	45.5	33.5	39.5	-1.2	51	15	22	4	39.8	42.0	2.13	54	-35	15	19	17	13	3	2	3	2	0	-	4	2.34	+0.22	248	
Mayo.	Blacksod Pt.	18-7 7	18	46.9	37.8	42.3	-	55	6	32	3,4,12	-	-	4.13	105	+2	37	18	18	14	3	0	7	0	0	-	5	-	-	-	
	Mallaranny	9 9 9	113	46.0	36.6	41.3	-1.5	53	6	30	11	-	-	4.48	114	-	26	19	22	18	-	-	-	0	-	-	-	2.26	+0.15	23	
Donegal.	Malin Head	18-7 7	84	43.8	36.7	40.3	-1.6	49	16	29	12	-	-	1.39	35	-26	5	19	13	11	3	0	6	0	0	-	1	2.24	-0.06	23	
Antrim.	Aldergrove	18-7 7	238	43.0	34.1	38.5	-	50	26	21	4	-	-	1.72	44	-17	7	17	20	13	7	1	5	0	2	10	1	2.50	-	26	
Down.	Donaghadee	8 8 8	40	44.3	34.9	39.6	-1.7	50	26	28	4	-	-	2.32	59	0	9	17	18	11	-	-	-	-	-	-	-	2.60	-	27	
	Hillsborough	9 9 9	388	41.7	(32.3)	(37.0)	-	48	26	24	4,12	38.5	-	2.21	56	-	12	4	19	13	5	1	0	0	3	15	1	2.47	-	26	
Armagh.	Armagh	2121 9	204	43.9	33.4	38.7	-1.8	50	15	23	4	37.9	40.6	1.77	45	-11	8	17	17	12	4	0	1	0	1	14	0	2.57	+0.38	27	
Longford.	Newtownforbes	2121 9	154	44.8	32.3	38.5	-1.8	50	5	25	4	38.4	41.0	2.16	55	-17	13	18	13	11	2	1	2	0	-	-	-	-	-	-	
10. IRELAND, S.																															
Dublin.	Balbriggan	9 9 9	203	43.5	34.6	39.1	-1.0	50	26	26	4	38.8	41.1	1.86	47	-1	8	17	21	12	1	0	1	0	1	14	-	-	-	-	
	Dublin City	2121 9	54	44.6	36.6	40.6	-1.9	50	26	28	4	-	-	1.69	43	-5	8	17	15	12	2	0	2	0	2	8	0	-	-	-	-
	Glasnevin	2121 9	55	45.1	34.2	39.7	-1.9	53	17	22	4	-	-	2.10	53	+5	9	17	20	12	4	0	1	0	8	14	0	-	-	-	-
	Phoenix Pk.	2121 9	155	45.4	34.5	39.9	-1.0	53	17	21	4	-	-	2.00	51	+6	10	17	19	10	3	1	0	0	5	15	-	2.50	-0.14	26	
	Trin. Coll.	2121 9	13	45.4	36.4	40.9	-1.0	52	17	28	4	39.9	42.2	1.83	47	+3	9	17	16	11	2	0	2	0	-	17	0	-	-	-	-
	Hazelhatch (Pearmount San.)	9 9 9	366	45.4	33.0	39.2	-	53	17	23	4	38.1	40.7	1.22	31	-	8	17	11	7	-	-	-	-	0	-	-	2.42	-	25	
	Rathfarnham	9 9 9	169	45.0	34.2	39.6	-	53	17	25	4	40.2	-	2.31	59	-	17	17	22	12	2	1	1	0	2	20	-	2.27	-	23	
Wicklow.	Newcastle	2121 9	256	44.6	34.7	39.7	-1.2	52	26	28	4	-	-	4.06	103	-	23	17	18	14	0	0	0	0	1	-	-	-	-	-	
Offaly.	Birr Castle	18-7 7	173	45.1	35.1	40.1	-1.7	52	17	27	4,23	40.1	42.2	1.78	45	-13	9	18	19	12	4	1	2	0	0	15	0	2.31	+0.05	24	
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	42.8	34.0	38.4	-1.7	48	17	28	11	-	-	6.33	161	-	28	5	20	18	2	1	1	0	2	12	1	1.77	-0.67	18	
	Waterford	9 9 9	137	45.3	36.1	40.7	-1.9	51	26	29	4	-	-	4.57	116	+34	23	10	20	12	1	0	0	0	10	-	1	-	-	-	
Limerick.	Foynes	9 9 9	43	47.3	35.1	41.2	-1.4	53	6,17	26	8,9	-	-	2.07	53	-28	8	17,26	20	16	-	-	-	-	-	-	-	-	-	-	
Kerry.	Valentia Obs.	242424	30	48.4	40.6	44.5	+0.3	53	17	32	21	43.2	45.1	3.64	93	-39	13	11	26	21	1	0	7	0	0	4	9	2.48	+0.20	258	
	18-7 -	-	-	48.5	40.7																										

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of FEBRUARY, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
										0	1 to 5	4 to 6	7 to 9	10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	7	6	5	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more	7	6	5	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
2. ENGLAND, N.E.—cont.																																							
Durham. Durham	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																															
	9	352	1007.4	-	33.7	1.4	5.7	85	6.6	5	5	1	3	15	0	0	4	1	10	8	4	0	2	0	0	0	0	2	20	7	1	4	1	3	6	2	4	1	
21	352	1007.3	-	34.1	0.9	6.0	91	6.8	6	2	3	2	16	1	0	1	0	3	6	12	6	0	0	0	0	0	1	20	8	1	2	2	1	11	1	0	3		
Yorks., Catterick	H	7	186	1006.5	-	31.7	0.7	5.6	92	7.2	2	4	3	8	12	0	0	0	2	3	4	8	8	4	0	0	4	15	10	2	2	0	5	5	2	0	3		
	13	186	1006.6	-	38.3	2.4	6.2	79	7.7	1	3	4	8	13	0	0	0	2	4	5	6	5	7	0	0	0	4	21	4	6	1	1	4	10	1	1	0		
	18	186	1006.8	-	35.3	1.5	6.0	85	7.1	2	5	2	10	10	0	1	0	1	3	5	6	6	7	0	0	0	3	20	2	2	1	3	8	3	3	2	2	0	
	9	96	1006.6	-	37.3	1.7	6.2	84	6.2	0	9	3	16	1	0	1	5	0	5	5	5	3	5	0	0	0	8	21	0	1	3	0	9	5	4	1	6	2	
Yorks., N. Riding	9	53	1007.3	-	34.1	1.1	5.8	89	6.7	5	4	1	6	13	-	-	-	-	-	-	-	-	-	-	-	-	0	29	0	4	4	4	4	7	2	0	4		
	21	53	1007.3	-	35.5	1.3	6.0	86	5.6	11	1	0	6	11	-	-	-	-	-	-	-	-	-	-	-	0	1	28	0	4	2	6	5	6	1	3	2		
Yorks., E. Riding	1	28	1007.1	-	36.3	0.5	6.8	95	6.3	4	5	4	6	10	2	2	0	0	1	2	15	7	0	0	0	0	15	14	0	0	0	3	10	5	4	2	5	5	
	7	28	1006.4	-6.9	35.6	0.3	7.0	97	7.4	0	7	2	7	13	0	2	1	0	1	2	4	13	6	0	0	0	14	15	0	1	2	2	9	5	4	2	4	4	
	13	28	1006.8	-	38.9	1.5	7.0	86	7.5	1	3	5	9	11	0	0	1	1	2	9	11	4	0	0	0	0	1	17	11	0	1	2	3	7	5	4	2	5	5
18	28	1006.4	-	37.2	0.6	7.0	94	7.5	0	4	7	7	11	0	3	0	0	0	0	8	12	6	0	0	0	0	17	11	1	3	0	4	7	6	3	2	3	3	
Lincoln. Cranwell	H	7	243	1007.0	-	1.6	0.7	5.7	92	6.3	3	7	3	4	12	0	0	3	3	2	5	14	1	1	0	0	6	20	3	2	2	6	4	2	4	5	1	2	5
	13	243	1007.2	-	38.1	2.0	6.4	81	7.3	0	4	7	5	13	0	2	1	1	2	5	15	2	1	0	0	0	10	19	0	1	1	8	6	1	5	2	5	5	
	18	243	1007.1	-	34.7	1.2	6.1	87	6.4	0	8	3	7	11	1	1	1	1	1	7	13	2	2	0	0	0	7	19	3	2	4	5	7	2	1	2	3	3	
3. ENGLAND, E.																																							
Norfolk. Cromer	H	9	74	1007.4	-	37.5	1.3	6.6	88	7.1	3	1	7	6	12	0	0	1	0	2	4	21	1	0	0	0	8	21	0	2	0	2	10	10	2	1	2	3	
	1	26	1008.1	-	37.0	0.8	6.2	92	5.8	6	3	6	4	10	0	0	0	1	0	4	16	8	0	0	0	0	14	12	3	0	2	4	8	1	3	3	3	4	
	7	26	1007.6	-6.8	36.7	1.1	6.6	90	7.8	0	5	4	7	13	0	0	1	2	0	3	15	8	0	0	0	0	11	17	1	2	0	7	7	2	2	4	3	4	
	13	26	1007.6	-	39.6	1.7	7.8	93	7.2	1	4	7	9	8	0	0	1	1	1	2	18	6	0	0	0	0	11	17	1	1	1	5	8	4	2	4	3	3	
18	26	1007.3	-	38.5	1.4	6.8	87	7.3	1	5	5	3	15	0	1	1	1	0	2	16	8	0	0	0	0	10	14	5	3	0	6	6	2	2	4	1	1	1	
Suffolk. Felixstowe Aero.	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall	7	21	1006.9	-	33.6	0.7	6.1	93	7.3	3	3	3	5	15	0	2	0	2	4	6	9	4	2	0	0	6	21	2	0	4	6	8	2	2	3	2	2	2	
	13	21	1007.0	-	40.6	2.7	6.5	76	7.2	1	5	2	9	12	0	1	0	1	3	2	12	6	4	0	0	10	19	0	2	1	7	6	2	3	4	4	1	3	
	18	21	1007.0	-	37.0	1.6	6.3	85	6.0	2	10	2	4	11	0	2	1	1	1	5	10	8	1	0	0	2	22	5	2	9	4	2	1	1	1	3	4	1	3
Cambridge. Cambridge	H	9	43	1006.9	-8.6	34.9	0.6	6.6	93	6.6	7	1	0	4	17	-	-	-	-	-	-	-	-	-	-	-	0	4	22	3	0	2	5	6	3	5	4	1	1
	21	43	1006.7	-8.7	35.0	0.7	6.5	93	4.9	12	1	1	3	12	-	-	-	-	-	-	-	-	-	-	-	0	1	24	4	0	4	6	6	4	2	2	1	1	
Hertford. Rothamsted	9	396	1006.3	-	34.9	0.7	6.4	93	7.1	3	3	4	8	11	0	3	1	1	1	13	10	0	0	0	1	0	21	7	1	4	4	4	2	1	3	3	3	3	3
Essex. Shoeburyness	H	7	12	1007.0	-	35.8	0.8	6.6	91	7.5	3	4	1	5	16	0	2	0	3	2	2	4	8	8	0	0	7	18	4	1	1	6	4	5	3	1	4	4	5
	13	12	1007.1	-	41.0	2.1	7.2	81	7.2	3	1	7	6	12	0	0	1	1	1	4	10	9	3	0	0	10	18	1	1	0	9	2	4	3	5	4	4	4	
	18	12	1007.0	-	38.6	1.4	7.0	87	7.1	3	4	2	9	11	0	2	0	0	2	3	10	6	6	0	0	8	18	3	1	1	7	2	5	1	4	5	5	4	
4. MIDLAND COUNTIES.																																							
Yorks., W. Riding	9	478	1006.9	-	32.5	0.8	5.2	91	7.4	0	6	2	8	13	0	2	5	4	3	5	5	5	0	0	0	0	25	4	3	2	0	5	5	6	4	0	0	0	
Nottingham. Nottingham	9	215	1006.3	-	34.2	1.1	5.8	89	8.4	0	1	7	3	18	0	6	7	8	6	1	1	0	0	0	0	0	1	28	0	3	5	6	5	3	1	4	2	2	
Warwick. Birmingham	H	7	542	1006.4	-	33.4	1.0	5.9	89	7.3	3	2	4	9	11	0	1	0	3	6	2	12	3	2	0	0	4	23	2	2	2	6	5	3	4	3	2	2	
	13	542	1006.5	-	38.1	2.6	6.0	75	5.9	4	4	5	10	6	0	0	2	4	7	6	7	2	1	0	0	7	22	0	4	2	5	6	3	4	4	1	1	1	
	18	542	1006.4	-	37.2	2.4	5.9	77	7.7	0	5	2	14	8	1	0	1	3	5	14	3	1	1	0	0	6	22	1	4	2	7	4	4	3	2	2	2	2	
Oxford. Oxford	9	212	1006.8	-9.4	35.2	1.5	5.8	84	6.4	5	3	2	10	9	0	3	1	1	4	5	8	4	3	0	0	4	24	1	3	3	5	3	3	5	3	3	3	3	
Shropshire. Shrewsbury	H	9	186	1006.2	-	34.4	1.2																																

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), *Pressure* (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2; 120 GEORGE STREET, EDINBURGH 2; YORK STREET, MANCHESTER 1; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any Bookseller.

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MARCH, 1936.—Mild; with a marked deficiency of sunshine.

The month was distinguished by a marked deficiency of sunshine. Temperature was considerably above the average, while rainfall was deficient over the country generally but an excess occurred in places, particularly in south-west England, the western Midlands and south-east Ireland.

On the 1st of the month a depression over the North Sea with a ridge of high pressure to westward of the British Isles gave cold northerly winds with snow or sleet in many places. From the 2nd to the 6th depressions moved east and south-east from Iceland and wintry precipitation occurred in most districts during this period. Southerly gales blew in Scotland on the 4th, on which day fog was wide-spread in the east, south-east and central districts of England. A depression moved in from the Atlantic on the 7th and 8th, giving rain in most districts and milder conditions. An area of low pressure over the British Isles on the 9th was associated with general rain and, in Scotland, with snow and sleet.

This was succeeded by a ridge of high pressure and weather became dry and in the south very mild, temperature reaching 61°F. at South Farnborough on the 10th. Temperature fell again on the 11th but with anticyclonic conditions prevailing up to the 18th mainly dry weather was experienced, while temperature rose during the latter part of this period. On the 19th a depression off south-west England was spreading north-east and with air of warm southerly origin invading the country, temperatures rose high above the average March level and exceeded 60°F. at many places in the next few days. Pressure remained low off the south-west coasts and a trough of low pressure moved northwards on the 23rd giving general rain and local thunderstorms. Conditions continued unsettled and very mild until the end of the month under the influence of Atlantic depressions. Widespread rain fell on the 26th and 29th and heavy rain occurred in south-west England and south-west Ireland on the night of the 28th.

Pressure and Wind.—Mean pressure was substantially below the average in the south-west and somewhat exceeded the average in the north of Scotland, the deviation at 7 h. ranging from -5.9 mb. at the Scilly Isles to +3.9 mb. at Lerwick in the Shetland Islands.

South-easterly or easterly winds were unusually prevalent and gales were, on the whole, infrequent for March. A rather widespread gale was reported in Scotland on the 1st and gales occurred locally on the 2nd, 4th and 5th. They were also reported at isolated stations in the north and west on the 26th and 29th-31st. No exceptional speeds were registered in gusts, among the highest being 68 m.p.h. at Kirkwall and Bell Rock Lighthouse and 65 m.p.h. at Lerwick on the 1st and 63 m.p.h. at St. Mary's, Scilly, on the 2nd.

Temperature.—Mean temperature exceeded the average in all districts, the excess varying from 1.4°F. in Ireland S., to 2.6°F. in the Midlands.

The first four days of the month were cold and a second rather cold spell occurred from about the 11th or 12th to the 15th. Some low minima were registered on the 3rd and 4th; for example, 11°F. at Braemar, 12°F. at Logie Coldstone and 13°F. at Balmoral on the 3rd and 18°F. at Rickmansworth and 19°F. at Usk on the 4th. The latter half of the month was very mild, particularly from the 19th to the end, when the country lay, for the most part, in the path of warm air of some southerly or south-westerly origin. Day

temperature reached or exceeded 60°F. at numerous stations on one or other of these days, and touched 65°F. at Fort William and Kelso on the 22nd and in parts of London and at Cranwell on the 21st.

The extremes for the month were:—(England and Wales) 65°F. at Kensington (London), Camden Square (London) and Cranwell on the 21st, 18°F. at Rickmansworth on the 4th; (Scotland) 65°F. at Fort William and Kelso on the 22nd, 11°F. at Braemar on the 3rd; (Ireland) 62°F. at Newcastle (Wicklow) on the 31st and 25°F. at Markree Castle on the 11th and at Glasnevin (Dublin) on the 3rd.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 85, the values for the constituent countries being England and Wales 90, Scotland 71 and Ireland 86.

In Scotland, rainfall was deficient except at a few stations in Angus, Fife, Argyll and locally in the Clyde Valley. The deficiency was greatest in the Central Highlands and the north, where it was more than 50 per cent. in places. In England and Wales, the distribution was very variable; considerably more than the average fell in the western Midlands and south-west England from Scilly Isles to Hampshire and locally in Wales. Elsewhere, apart from a few isolated stations, there was a deficiency which amounted to 70 per cent. or more in parts of Suffolk. At Halstead (Essex) there was an absolute drought from the 10th-24th inclusive. In Ireland, more than the average was registered in the south-east, roughly from Cork to Wicklow and locally in County Down, and less than the average elsewhere.

Snow or sleet occurred locally at times during the first half of the month, chiefly in the first five days. Resulting from the unusual snowfall of the last days of February and the beginning of March snow lay at Bellingham until the 5th, at Peebles, West Linton and Wolfelee until the 8th, at Balmoral until the 11th and at Braemar until the 17th.

Thunderstorms were reported from the Border districts and from Argyll on the 20th, 21st and 22nd and in the Midlands and north-west England on the 23rd.

Among the heavier falls of rain in 24 hours were:—

26th 55 mm. at Fofanny (Co. Down).

28th 47 mm. at Fofanny.

29th 60 mm. at Snowdon and 47 mm. at Borrowdale (Cumberland).

Sunshine.—The most striking feature of the weather of the month was the exceptional and general deficiency of sunshine. For districts 1-10, the percentage of the average was only 61 and at many places it was the dullest March on record. For instance, at Southport and Phoenix Park, no previous March has had so little sunshine in records which go back to 1892 and 1881 respectively.

Fog.—Local fog occurred at times, particularly from the 3rd-4th, 7th-11th, 16th-20th and 24th-31st. The fog on the 4th was wide-spread in England and thick in many places.

Miscellaneous Phenomena.—The aurora was observed in Scotland on the 6th, 10th, 21st, 23rd, 24th, 26th and 27th, the display on the 24th being seen as far south as Edinburgh. Solar halos were noted at Oxford on 13 days.

TABLE I.—DISTRICT VALUES.— MARCH, 1936

[1908, revised 1928.]

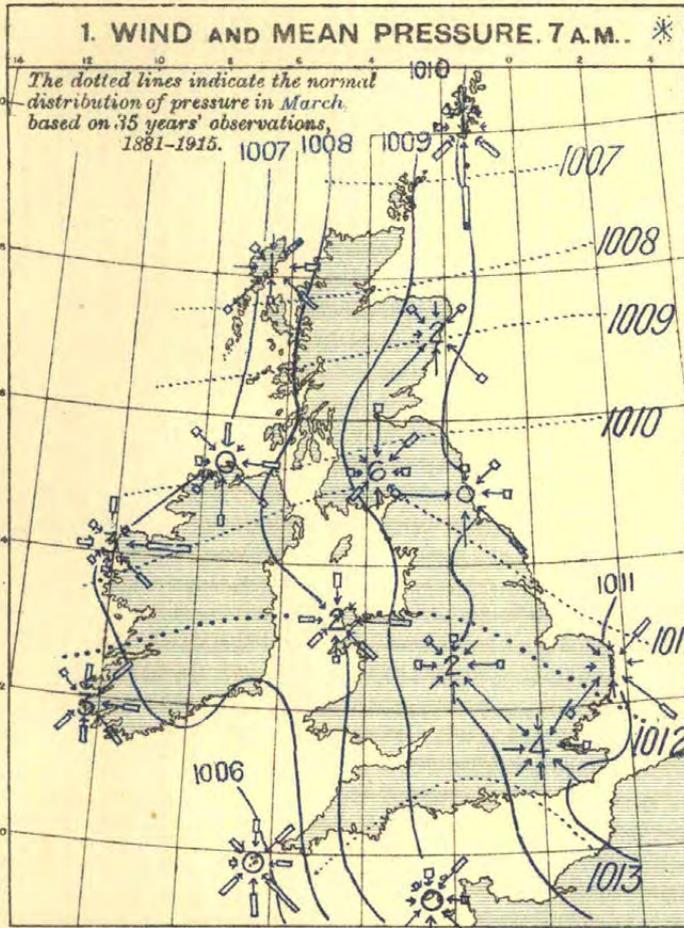
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	65	21	+1.5	-	-	51	-5	68	19
Eastern.			+1.7			57			
1. SCOTLAND, E.	65	11	+1.6	-	-	83	0	58	17
2. ENGLAND, N.E.	65	21	+2.0	+1.0	-0.8	87	-1	57	17
3. ENGLAND, E.	64	18	+2.3	+1.1	0.0	49	-4	75	23
4. MIDLAND COUNTIES ..	64	22	+2.6	+0.9	-1.0	107	+2	57	16
5. ENGLAND, S.E.	65	23	+2.4	+1.2	+0.1	76	0	77	25

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western.	°F.	°F.	°F.	°F.	°F.	%		%	%
6. SCOTLAND, W. (and I. of Man)	64	18	+2.3	+1.1	-0.4	92	+1	44	13
7. ENGLAND, N.W. (and N. Wales)	64	24	+2.3	+1.2	-0.8	84	0	44	13
8. ENGLAND, S.W. (and S. Wales)	62	19	+2.3	+0.7	-0.3	110	+3	59	20
9. IRELAND, N. ..	60	25	+2.0	+0.3	-1.1	74	-3	69	21
10. IRELAND, S. ..	62	25	+1.4	+0.5	-0.9	92	+1	73	23
11. CHANNEL I. (and Scilly)	62	33	+2.0	+0.8	-0.4	135	+1	87	33
Mean: DISTRICTS	65	11	+2.1	+0.9	-0.6	85	0	61	19

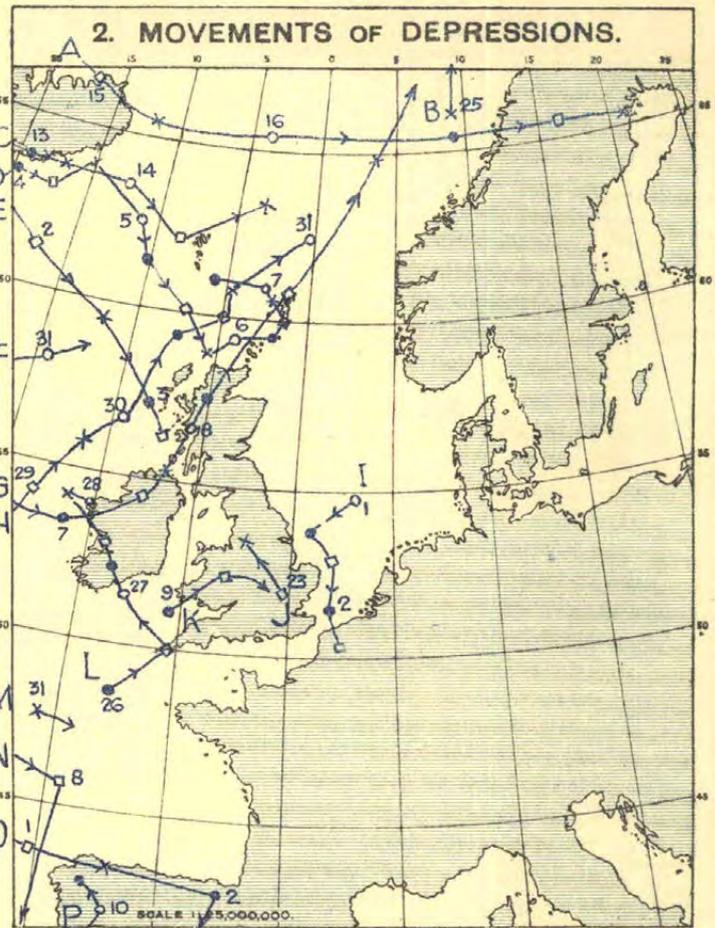
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— MARCH, 1936

[1914.]

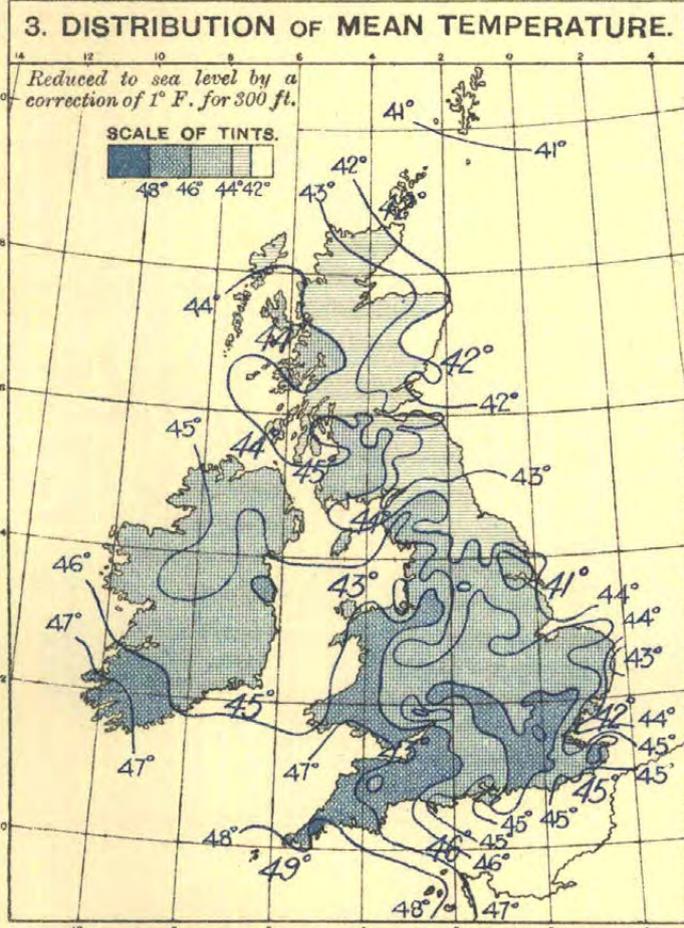
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Speed			Hour ended at	Speed	Time					
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.			
0. SCOTLAND, N.																					
Shetland. Lerwick ..	310	53	39	1	11	16	113	404	191	25	0	30	47	21	1	01	65	29	1	04	15
Orkney. Kirkwall ..	170	40	35	-	0	14	115	376	231	22	0	20	38	17	1	11	68	30	1	07	35
Hebrides. Stornoway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																					
Aberdeen. Aberdeen ..	70	42	32	-	0	0	0	85	493	186	0	10	21	9	1	14	47	21	1	12	50
Kincardine. Balmakewan ..	140	25	20	-	0	1	3	45	(384)	(302)	0	80	28	12	1	12	47	21	1	06	25
Angus. Bell Rock Lighthouse	130	-	126	1,2,9	38	17	116	349	198	43	0	30	50	22	1	14	68	30	1	09	10
Edinburgh. Edinburgh ..	485	39	23	-	0	1	2	140	398	206	0	190	29	13	4	16	45	20	4	14	55
6a. SCOTLAND, W.																					
Argyll. Tiree ..	75	50	42	-	0	8	62	317	305	60	0	10	36	16	1	11	53	24	1	11	40
Renfrew. Paisley ..	188	81	31	-	0	0	0	109	444	191	0	160	22	10	7	20	48	21	30	11	10
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	1	5	163	337	239	0	250	28	13	30	12	47	21	30	10	45
Dumfries. Eskdalemuir ..	825	50	35	-	0	5	25	216	319	184	0	20	33	15	1	04	56	25	1	16	35
6b. ISLE OF MAN.																					
Isle of Man. Point of Ayre ..	70	40	-	-	0	12	93	359	226	66	0	30	38	16	1	18	51	23	1	17	25
2. ENGLAND, N.E.																					
Durham. South Shields ..	73	57	44	-	0	2	32	125	385	202	0	350	37	17	1	19	53	24	1	18	15
Yorks., N.R. Catterick ..	220	45	33	-	0	1	2	78	349	315	0	250	28	13	30	10	49	22	30	09	45
Yorks., E.R. Spurn Head ..	64	42	34	-	0	4	6	381	333	16	8	290	28	13	5	14	41	18	5	13	35
Lincoln. Cranwell ..	284	43	33	-	0	2	2	191	459	92	0	230	25	11	30	12	41	18	30	09	40
3. ENGLAND, E.																					
Norfolk. Gorleston ..	52	42	34	-	0	0	0	123	458	163	0	160	24	11	23	21	36	16	23	19	55
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	0	0	104	446	194	0	180	21	9	22	12	45	20	22	11	10
Suffolk. Mildenhall ..	64	45	20	-	0	0	0	119	507	118	0	170	21	9	23	12	39	17	30	10	40
Bedford. Cardington ..	285	150	135	-	0	3	18	275	378	73	0	220	30	13	30	10	42	19	30	09	50
Essex. Shoeburyness ..	115	104	89	-	0	2	3	337	376	28	0	210	30	13	23	17	40	18	23	16	50
4. MIDLAND COUNTIES.																					
Warwick. Birmingham ..	643	118	73	-	0	0	0	220	448	76	0	330	22	10	2	06	38	17	31	13	30
5. ENGLAND, S.E.																					
London. South Kensington ..	137	110	30	-	0	0	0	28	574	142	0	80	15	7	18	19	39	17	23	02	50
Surrey. Kew Observatory ..	92	75	50	-	0	0	0	104	446	194	0	180	21	9	22	12	45	20	22	11	10
Surrey. Croydon ..	313	105	70	-	0	0	0	265	381	98	0	220	23	10	30	04	43	19	23	02	25
Kent. Dover ..	66	66	60	-	0	2	3	181	419	141	0	220	31	14	23	15	47	21	23	14	15
Kent. Lympne ..	418	76	48	-	0	2	3	185	521	35	0	220	31	14	23	15	47	21	23	14	15
Hampshire. Calshot ..	58	50	42	-	0	3	7	268	394	75	0	170	27	12	29	11	42	19	29	10	40
Wiltshire. Boscombe Down ..	462	45	33	-	0	0	0	158	445	141	0	180	22	10	29	10	37	17	29	13	05
Wiltshire. Larkhill ..	491	51	36	-	0	0	0	252	418	74	0	220	24	11	29	14	36	16	29	13	20
7a. ENGLAND, N.W.																					
Lancashire. Fleetwood ..	112	50	31	-	0	1	1	267	400	76	0	310	25	11	6	02	45	20	30	04	25
Lancashire. Manchester (Barton)	153	83	80	-	0	5	17	261	339	127	0	290	30	13	5	15	45	20	26	14	35
Lancashire. Southport ..	60	42	33	-	0	7	28	240	391	85	0	80	30	13	28	18	49	22	30	04	15
Cheshire. Bidston Obs'y. ..	262	64	39	-	0	4	22	385	269	56	12	240	28	13	30	06	51	23	30	05	20
7b. NORTH WALES.																					
Anglesey. Holyhead ..	68	43	35	-	0	9	82	270	316	76	0	360	38	17	1	23	53	24	29	18	00
Flint. Sealand ..	81	65	42	-	0	1	1	215	422	106	0	150	25	11	22	14	41	18	22	13	35
8b. ENGLAND, S.W.																					
Devon. Moretonhampstead ..	838	40	35	-	0	0	0	175	470	99	0	240	24	11	29	14	45	20	29	13	10
Devon. Plymouth ..	185	88	65	-	0	4	47	274	336	87	0	37	29	29	05	48	21	22	02	50	
Cornwall. The Lizard ..	315	75	60	-	0	12	99	404	220	21	0	70	33	15	18	15	50	22	24	21	15
Cornwall. Pendennis Castle ..	256	65	42	29	2	11	114	356	218	54	0	240	40	18	29	14	54	24	29	13	15
9. IRELAND, N.																					
Donegal. Dunfanaghy Road	180	47	30	-	0	4	18	102	234	390	0	30	13	30	05	57	25	5	19	15	
Antrim. Aldergrove ..	282	40	20	-	0	2	3	329	349	63	0	90	26	12	27	02	44	20	27	01	15
10. IRELAND, S.																					
Dublin. Kingstown (Cup Anr.)	49	27	27	30	1	12	66	313	307	57	0	240	40	18	30	01	-	-	-	-	-
Clare. Quilty ..	100	40	32	-	0	6	33	345	263	103	0	30	13	22	15	43	19	22	14	40	
Kerry. Valentia Observatory	98	41	33	-	0	8	23														



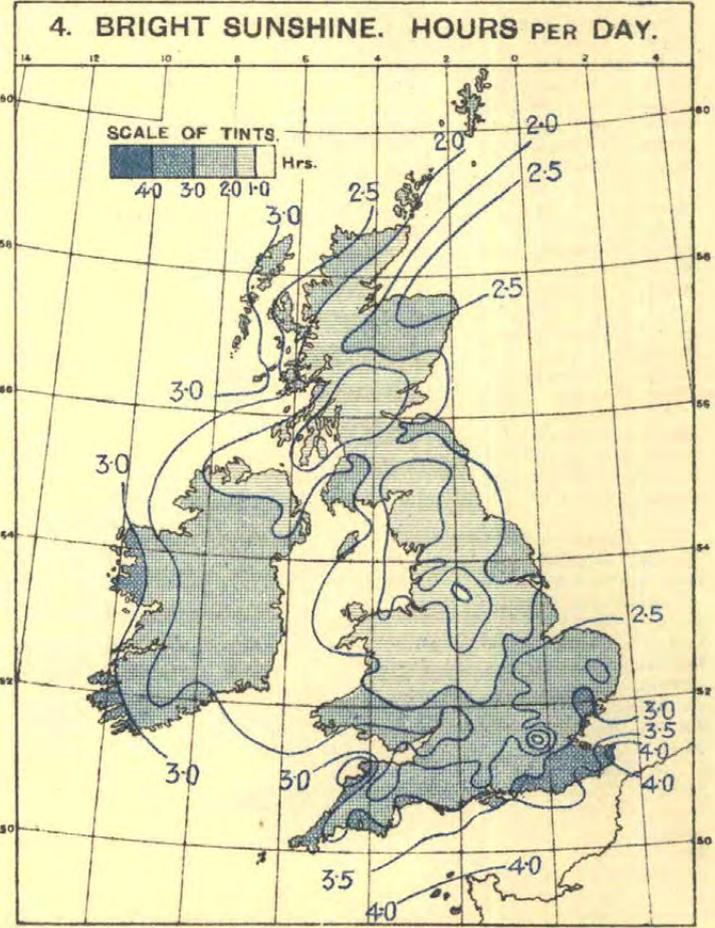
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
LIGHT TO STRONG GALE
30 OBS. 1 Inch



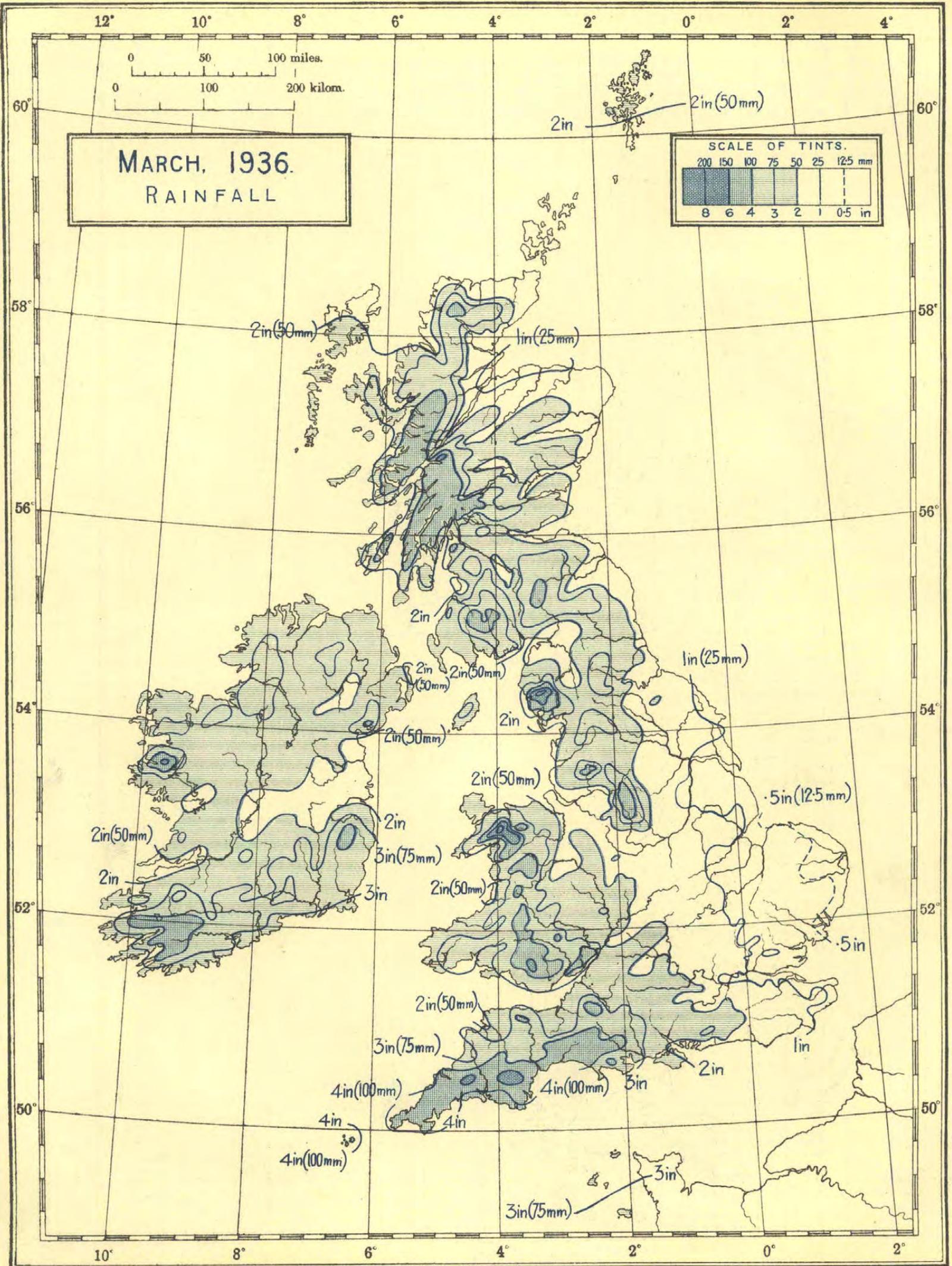
Positions of centres are shown thus: -O at 1hr; ● at 7h; □ at 13h; X at 18h.



Sea temperatures are shown in large figures, thus: 45°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Pa. 476/3036. M. 224. D. 12 up 908. 925. 4/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10 in = 254 mm. 1 mm.

TABLE III.—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, MARCH, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT						Earth Temperature		RAINFALL				WEATHER Number of days						BRIGHT SUNSHINE									
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day								
			A Max.	B Min.		Maximum	Date	Minimum					Date	Amount								Date	0.2 mm. or more	1 mm. or more	0.2	0.4	0.6	0.8	1.0	Daily Mean	Difference from Average	Per Cent.
0. SCOTLAND, N.																														
Shetland.	Baltsound	9 9 9	31	45.0	36.5	40.7	+1.0	52	21	3	40.3	-	3.58	91	+ 3	20	7	22	15	4	3	2	0	1	-	0	2.04	-0.56	17	
	Lerwick	18-7 7	156	43.0	38.0	40.5	-0.2	49	22	2	-	-	2.37	60	-	14	7	19	11	5	0	2	0	2	-	0	2.00	-0.89	17	
Orkney.	Deerness	2121 9	160	44.3	38.0	41.1	+1.2	50	21,30,31	30	2	-	1.55	39	-32	9	5	20	11	2	0	0	0	1	6	2	1.74	-1.18	15	
	Kirkwall	9 9 9	113	44.9	37.7	41.3	+1.2	58	21	30	2,3	40.6	-	1.59	40	-34	9	7	17	11	2	0	0	0	1	6	2.02	-1.20	17	
Hebrides.	Skallary	101010	30	48.3	41.1	44.7	-	55	25	32	2	-	2.47	63	-	10	4	21	17	1	0	0	0	-	-	-	-	-	-	
	Stornoway (C.G.)	18-7 7	80	47.2	39.6	43.4	+1.9	54	21,23	29	2	-	1.57	40	-	9	5	20	14	2	0	3	0	0	-	2	2.95	-0.44	25	
Skye.	Stornoway	9 9 9	30	-	-	-	-	-	-	-	-	-	1.64	42	-62	9	5	21	13	-	-	-	-	-	-	-	-	-	-	
	Duntulm	9 9 9	294	47.9	39.5	43.7	-	59	21	32	2,3	-	2.79	71	-	9	7	22	21	3	0	1	0	0	(e)	0	2.45	-	21	
Caithness.	Wick	18-7 7	81	44.7	37.3	41.0	+0.5	55	30	28	3,4	-	1.37	35	-23	8	7	19	11	2	0	2	0	1	-	1	-	-	-	
	Achnashellach	9 9 9	225	49.1	37.1	43.1	-	61	21	26	3	-	3.88	99	-83	29	5	13	12	3	0	0	0	0	-	-	-	-	-	
Ross & Cromarty.	Fortrose	9 9 9	69	48.0	38.2	43.1	+2.3	67	21	29	3	-	0.94	24	-	12	7	12	6	2	0	0	0	0	-	0	1.86	-1.82	16	
	Dalwhinnie	18-7 7	1176	43.8	34.3	39.1	-	57	22	21	3	-	2.04	52	-	13	5	16	14	6	8	0	0	0	16	0	1.88	-	16S	
Inverness.	Ft. Augustus	9 9 9	68	48.5	37.5	43.0	+3.0	62	21	25	3	-	1.61	41	-52	15	5	12	8	0	0	0	0	1	-	2.30	-	20S		
	Ft. William	9 9 9	34	49.6	39.3	44.5	+4.0	65	22	27	3	41.7	41.8	3.09	79	-88	17	5	18	10	3	1	0	0	7	0	1.83	-	16S	
Inverness	9 9 9	242	47.5	37.5	42.5	+1.6	59	21	30	2,3,11	-	-	1.43	36	-18	10	8	11	7	2	1	0	0	5	0	1.94	-1.73	17		
1. SCOTLAND, E.																														
Nairn.	Nairn	9 9 9	20	49.3	37.0	43.1	+2.7	62	21	25	3	-	0.83	21	-27	7	7	14	4	0	0	0	0	-	0	2.50	-1.15	21		
Moray.	Forres	9 9 9	155	50.0	37.4	43.7	-	62	20,21	29	2,3	-	0.62	16	-	4	15	9	6	2	0	1	0	0	-	1	2.58	-	22	
	Gordon Castle	2121 9	104	48.4	37.1	42.7	+2.2	60	21	28	3	-	0.63	16	-43	5	1	10	7	0	0	0	0	-	-	2.53	-1.04	22S		
Banff.	Banff	9 9 9	130	46.8	37.4	42.1	+1.2	59	21	29	3	-	0.75	19	-32	5	4	11	7	4	0	0	0	7	0	2.60	-0.90	22S		
Aberdeen.	Aberdeen	242424	79	45.4	37.7	41.5	+1.2	57	30	29	3	39.2	38.8	1.63	41	-20	17	9	19	8	4	0	1	0	3	10	2.00	-1.47	17	
	Balmoral	9 9 9	927	44.1	31.8	37.9	+1.3	55	20,21,22	13	3	-	-	1.30	33	-39	7	1	17	10	4	11	0	0	-	16	0	-	-	
Braemar.	Braemar	2121 9	1111	44.1	33.2	38.7	+2.3	56	21,22	11	3	-	-	1.48	38	-38	8	1	16	12	4	17	0	0	11	0	2.01	-	17S	
	Craigstone	9 9 9	300	45.1	35.7	40.4	-	56	30	28	3,11	38.7	38.6	1.56	39	-27	13	29	17	9	4	1	2	0	-	9	2.46	-	21	
Logie Coldstone.	Logie Coldstone	9 9 9	608	45.9	32.5	39.2	+1.0	57	22	12	3	-	-	1.12	28	-38	7	29	15	8	4	8	0	0	14	-	-	-	-	
	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	1.89	48	-17	29	15	11	1	0	0	0	4	(15)	1	-	-	-	
Kincairdine.	Stonehaven	9 9 9	12	46.9	35.9	41.4	-	60	31	25	3	-	-	2.33	59	-	15	9	19	8	4	0	1	0	3	-	1.91	-	16	
	Arbroath	2121 9	93	46.9	36.5	41.7	+1.0	57	31	27	3	-	-	2.49	63	+14	15	8	17	12	3	0	0	10	13	0	1.98	-	17	
Angus.	Carnoustie	9 9 9	39	45.7	37.0	41.3	+0.7	56	31	28	3	-	-	2.43	62	+10	14	29	19	12	2	0	0	0	-	0	1.81	-1.85	15	
	Dundee	9 9 9	147	46.2	36.1	41.1	+0.8	55	31	27	4	39.5	-	2.24	57	+10	14	29	19	13	3	0	0	0	-	12	1	1.68	-1.52	14
Perth.	Kettins	9 9 9	218	46.7	36.1	41.4	+1.7	58	31	25	3	38.5	-	2.02	51	-10	13	29	18	8	4	0	0	0	2	11	0	-	-	
	Montrose	9 9 9	16	45.5	36.5	41.0	+0.7	56	30,31	24	4	-	-	1.46	37	-	12	29	18	8	2	0	0	0	2	-	0	2.13	-1.40	18
Fife.	Crieff	2121 9	478	45.6	35.3	40.5	+0.7	58	21	25	3	-	-	2.60	66	-15	18	7	20	12	2	1	0	0	-	0	-	-	-	
	Perth	9 9 9	76	47.9	36.8	42.3	+1.7	60	21	25	3	-	-	1.96	50	-13	13	8	14	13	4	0	2	0	-	-	1.32	-2.07	11S	
Cupar	Cupar	9 9 9	210	46.2	36.8	41.5	+0.8	58	24	28	3	-	-	2.61	71	-	15	29	20	14	3	1	0	0	-	-	-	-	-	
	Dunfermline	9 9 9	237	46.9	36.7	41.6	-	60	21	28	3	40.0	39.8	2.36	60	-	12	29	19	14	3	0	1	0	1	9	0	1.38	-	12
Inchkeith	Inchkeith	18-7 7	190	45.5	37.8	41.7	-0.2	56	21,24	31	3	-	-	1.34	34	- 8	9	8	15	10	4	1	0	0	7	0	1.71	-	15	
	Kirkcaldy	9 9 9	63	46.9	37.1	42.0	+0.5	57	31	28	4	-	-	2.22	56	-	11	8	19	12	0	0	0	0	-	-	-	-	-	
Leuchars.	Leuchars	18-7 7	35	46.0	36.7	41.3	0.0	56	31	28	3,13	-	-	2.33	59	+ 9	13	29	19	14	6	0	0	0	2	8	0	1.92	-1.82	16
	St. Andrews	9 9 9	13	46.6	36.7	41.7	+1.1	56	31	28	3.4	40.6	41.1	2.28	58	+ 5	15	29	19	12	2	0	0	0	2	7	-	1.92	-1.69	16
Mid Lothian.																														
Edinburgh—	Blackford H.	2121 9	441	47.4	37.6	42.5	+2.2	60	21	29	4	-	-	1.74	44	- 6	17	9	17	11	2	0	0	0	3	7	0	2.19	-1.31	19
	Boghall	9 9 9	639	46.1	36.2	41.1	-	59	21,22	26	3	38.7	38.6	2.54	65	-	35	9	16	11	6	4	1	0	4	10	-	1.99	-	17
Liberton	Liberton	9 9 9	190	48.7	37.6	43.1	-	62	21,26	29	3,4,16	-	-	1.95	49	-	20	9	16	10	1	0	0	0	-	-	-	-	-	
	Univ. King's B.	9 9 9	225	48.3	37.2	42.7	-	62	21	29	3,4	41.4	40.9	1.88	48	-	21	9	14	10	-	-	-	-	-	-	-	-	-	
E. Lothian.	Dunbar	9 9 9	75	47.5	38.3	42.9	-	62	20	30	3	-	-	1.60	41	-	15	9	19	4	1	0	0	0	6	1	2.09	-	18	
	N. Berwick	9 9 9	118	47.6	37.0	42.3	-	60	20,21	29	4	-	-	1.54	39	- 6	10	8,9	15	9	1	0	0	0	1	6	0	1.85	-	18
Berwick.	Marchmont	9 9 9	498	45.8	34.8	40.3	+0.9	59	21	23	3	-	-	2.52	64	- 3	17	9	21	11	0	0	0	1	-	-	1.60	-1.67	14S	
	Peebles	9 9 9	629	46.7	35.5	41.1	-	60	21	19	3	-	-	2.02	51	-	6	1	17	15	5	8	0	0	1	7	0			

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, MARCH, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE							
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Date	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day		Per Cent.					
			A Max.	B Min.		Mean of A and B	Maximum	Date							Minimum	Date							0.2 mm. or more	1 mm. or more		Daily Mean	Difference from Average			
8b. ENGLAND, S.W.—cont.	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.								hr.	hr.	%						
Dorset. Holton Heath	9 9 9	64	50.6	39.6	45.1	+2.4	59	10	27	4	44.0	44.1	3.57	91	-15	28	19	15	1	0	0	0	0	11	0	2.70	-1.71	23		
Portland Bill	18-7 7	32	47.5	42.5	45.0	+0.5	52	10, 29	34	4	-	-	3.35	85	+37	12	22	18	15	0	0	0	0	0	-	-	-	-		
Shaftesbury	9 9 9	722	49.1	39.2	44.1	+2.6	57	24, 25, 30	31	3	-	-	3.58	91	+31	15	8	16	14	2	2	0	0	0	-	-	-	-		
Devon. Arlington	9 9 9	613	51.3	39.0	45.1	+3.2	59	24, 25	27	4	-	-	2.92	74	-28	14	28	21	15	1	0	0	0	0	-	-	-	-		
Cullompton	9 9 9	202	52.2	39.9	46.1	+2.7	62	30	29	4	45.0	-	3.97	101	+31	14	28	23	18	0	0	0	0	2	10	-2.41	-1.54	20		
Ilfracombe	9 9 9	25	51.3	42.9	47.1	+2.3	61	24	32	4	45.5	46.9	1.87	47	-23	14	28	15	12	0	0	0	0	1	-	-	-	-		
Killerton	9 9 9	159	52.0	39.6	45.8	+2.3	62	31	27	4	-	-	3.82	97	-13	28	21	15	-	-	-	3	19	-	-	-	-	-		
Moretonhampstead	9 9 9	798	48.1	38.9	43.5	-	55	30	27	4	42.9	42.9	5.51	140	-24	28	23	20	1	0	2	0	4	6	0	2.37	-	20		
Newton Abbot	9 9 9	375	50.5	40.5	45.5	-	56	30, 31	31	3, 4	-	-	4.94	125	+50	18	28	21	17	0	0	0	0	5	9	-	-	-	22	
Paignton	9 9 9	12	51.2	41.7	46.5	+2.1	59	30	31	4	-	-	4.50	114	-19	28	22	16	0	0	1	1	0	7	-	-	-	-	24	
Plymouth (Hoe)	2121 9	117	51.9	42.6	47.3	+2.7	57	25, 28	29	4	45.5	45.6	3.73	95	+21	17	28, 31	18	13	0	0	1	0	0	5	0	3.20	-1.04	27	
Plymouth (Mount Batten)	18-7 7	82	51.1	43.0	47.1	+2.2	57	24, 25, 28	29	4	-	-	3.43	87	-16	28	20	12	0	0	0	0	1	5	0	3.22	-1.23	27		
Princetown	9 9 9	1430	46.1	37.4	41.7	+2.6	52	23	28	3, 4	-	-	6.57	167	-6	34	28	23	20	2	0	0	0	13	7	-	-	-	-	
Sidmouth	9 9 9	25	50.7	41.3	46.0	+2.5	57	10	32	3, 4	-	-	4.12	105	-18	8	17	14	0	0	0	0	0	5	-	-	-	-	27	
Tavistock	9 9 9	457	50.8	41.3	46.1	+2.8	57	10, 25	32	15	-	45.6	4.45	113	+15	26	28	19	16	0	0	2	0	1	8	1	-	-	-	
Teignmouth	9 9 9	20	50.6	42.4	46.5	+2.0	59	30	31	4	-	-	4.62	117	+51	18	28	18	15	0	0	0	0	0	-	-	-	-	24	
Torquay	9 9 9	27	50.8	41.9	46.3	+2.2	58	30	30	3	-	45.4	4.60	117	+47	17	8	22	18	0	0	0	0	0	5	0	2.86	-1.46	24	
Cornwall. Falmouth Obs.	9 9 9	167	51.8	43.0	47.4	+2.7	58	11	31	4	46.9	46.6	4.49	114	+26	21	28	21	16	1	0	1	0	1	3	-	-	-	-	27
Fowey	9 9 9	51	52.2	42.5	47.3	+2.9	61	23	32	4	-	-	4.01	102	-17	26	19	17	0	0	0	0	1	1	3	-	-	-	-	25
Gulval	9 9 9	20	52.0	41.9	46.9	-	57	25, 30	30	4	-	-	4.56	116	-15	8, 28	20	17	0	0	0	3	0	4	-	-	-	-	-	27
The Lizard	18-7 7	240	50.6	43.5	47.1	-	55	19, 22, 23	34	3, 4	-	-	3.99	101	-20	26	19	16	0	0	0	0	0	2	-	0	-	-	-	-
Newquay	9 9 9	190	51.1	42.4	46.7	+2.4	58	19, 20, 30	31	4	45.3	45.6	3.88	99	+37	15	8	19	16	0	0	1	0	0	0	0	3.41	-0.88	29	
Redruth	9 9 9	397	50.5	41.8	46.1	+2.6	57	30	32	3, 4	-	-	4.93	125	+34	24	28	21	16	0	0	1	0	1	9	0	-	-	-	-
9. IRELAND, N.																														
Silgo. Markree Cas.	2121 9	122	51.1	38.5	44.8	+2.6	58	23, 30, 31	25	11	43.0	43.0	3.03	77	-11	10	5	17	14	2	0	3	0	0	-	0	2.13	-1.25	18	
Mayo. Blacksod Pt.	18-7 7	18	49.6	41.3	45.5	-	58	25	32	11	-	-	2.29	58	-46	10	6	20	15	0	0	4	0	0	0	-	-	-	-	-
Mallaranny	9 9 9	113	50.9	39.9	45.4	+2.3	60	25	30	11	-	-	3.41	87	-21	6	20	15	-	-	-	0	0	0	-	-	-	-	-	27
Donegal. Malin Head	18-7 7	84	47.7	40.8	44.1	+1.0	57	29	31	11	-	-	2.09	53	-6	9	7	18	14	1	0	4	0	0	0	0	1.95	-2.37	17	
Antrim. Aldergrove	18-7 7	238	49.1	38.6	43.9	-	57	20	27	11	-	-	2.15	55	-9	8	26	18	15	2	1	0	0	0	7	0	2.28	-	19	
Down. Donaghadee	8 8 8	40	49.5	39.0	44.3	+2.6	58	31	31	3, 4	-	-	1.98	50	-6	6	28	20	13	-	-	-	0	0	-	-	-	-	-	20
Hillsborough	9 9 9	388	47.9	38.1	43.0	-	56	31	29	2	41.5	-	2.23	57	-13	26	18	12	3	1	1	0	0	7	0	1.98	-	17		
Armagh. Armagh	2121 9	204	50.2	39.2	44.7	+2.6	59	20	29	2	42.5	42.3	1.87	43	-17	9	28	17	13	3	0	2	0	0	8	0	2.35	-1.10	20	
Longford. Newtownforbes	2121 9	154	50.0	37.3	43.7	+1.9	57	23	28	2	42.4	42.3	2.09	53	-22	8	26	13	12	0	0	0	0	-	-	-	-	-	-	-
10. IRELAND, S.																														
Dublin. Balbriggan	9 9 9	203																												
Dublin City	2121 9	54	50.3	41.6	45.9	+2.0	60	31	32	2, 3, 4	-	-	1.74	44	-5	12	26	19	10	1	0	3	0	0	4	0	-	-	-	-
Glasevin	2121 9	55	50.4	39.2	44.8	+1.9	61	31	25	3	-	-	1.81	41	-9	14	26	16	9	0	1	0	3	9	0	-	-	-	-	-
Phoenix Pk.	2121 9	155	50.6	39.0	44.8	+2.7	60	29	26	3	-	-	1.51	38	-11	18	26	14	10	0	2	0	4	4	-	-	-	-	-	19
Trin. Coll.	2121 9	13	50.5	41.5	46.0	+2.2	60	31	32	4	43.9	43.7	1.53	39	-8	12	26	15	11	0	0	0	0	-	9	0	-	-	-	-
Hazelhatch (Peamount San.)	9 9 9	366	50.8	38.1	44.5	-	60	29	29	2, 3	41.0	42.2	1.72	44	-21	26	15	12	-	-	-	0	-	-	-	-	-	-	-	22
Rathfarnham	9 9 9	169	50.2	39.7	44.9	-	61	29	29	4	43.1	-	2.34	59	-22	26	19	10	0	0	0	0	0	8	-	-	-	-	-	19
Wicklow. Newcastle	2121 9	256	49.1	39.5	44.3	+1.4	62	31	29	3	-	-	3.17	81	-16	28	21	16	0	1	0	0	4	-	-	-	-	-	-	-
Offaly. Birr Castle	18-7 7	173	51.0	39.7	45.3	+2.8	60	30	30	2, 3, 4	43.3	43.4	1.54	39	-22	6	6	17	9	0	0	1	0	0	12	0	2.49	-1.06	21	
Waterford. Seskin, Carrick-on-Suir	2121 9	535	47.8	38.9	43.3	+2.2	59	31	29	2	-	-	4.73	180	-25	28	19	15	0	0	0	0	2	6	2	2.36	-1.41	20		
Waterford	9 9 9	137	49.8	40.1	44.9	+2.1	59	25	30	2	-	-	3.42	87	+18	22	28	18	13	0	0	0	15	-	0	-	-	-	-	
Limerick. Foynes	9 9 9	43	51.3	39.1	45.2	+1.5	59	25, 29, 30	31	16	-	-	1.89	48	-27	10	26	18	9	-	-	-	-	-	-	-	-	-	-	-
Kerry. Valentia Obs.	242424	30	50.9	43.0	46.9	+2.0	58	31	34	17	45.5	46.0	3.52	89	-26	12	29	19	16	1	0	2	0	0	6					

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of MARCH, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION										
										0	1 to 3	4 to 6	7 to 9	10	Fog			Mist	Poor Vis.	Med. Vis.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
0. SCOTLAND, N.																																					
Shetlands. Lerwick ..	1	160	1010.3	-	40.2	1.3	7.4	88	7.5	0	3	7	11	10	0	0	0	0	0	0	3	8	7	13	0	2	18	11	0	3	2	2	4	10	7	2	1
	7	160	1010.1	+3.7	40.0	1.2	7.5	89	8.4	0	1	5	14	11	0	0	1	1	0	1	4	12	11	1	2	15	13	1	3	1	1	4	11	7	1	2	
	13	160	1010.4	-	42.0	1.8	7.7	84	8.4	0	0	7	15	9	0	0	0	0	0	2	10	6	13	0	2	19	10	0	3	2	2	1	6	9	7	3	0
	18	160	1010.4	-	40.8	1.4	7.7	87	8.3	0	3	3	10	15	0	0	0	0	1	3	7	7	11	2	0	16	13	0	1	2	1	4	11	6	1	5	
Orkneys. Deerness ..	9	165	1009.5	-	41.4	1.5	7.6	87	7.3	0	3	9	10	9	0	0	1	0	0	1	11	4	12	2	-	-	-	-	-	-	-	-	-	-	-	-	
	21	165	1010.0	-	40.6	1.2	7.9	89	6.9	0	5	7	12	7	0	0	0	0	2	1	1	2	25	0	-	-	-	-	-	-	-	-	-	-	-		
Hebrides. Stornoway ..	1	83	1008.0	-	41.4	1.3	7.8	89	7.1	0	4	8	10	9	0	0	0	0	0	0	5	13	12	1	1	15	15	0	4	2	4	6	3	8	3	1	
	7	83	1007.8	+0.3	41.4	1.3	7.8	89	8.2	0	1	4	17	9	0	0	0	0	0	0	7	11	9	4	1	10	19	1	3	2	5	5	4	6	3	2	
	13	83	1008.2	-	45.8	2.2	8.2	78	8.0	0	1	5	18	9	0	0	0	0	0	3	18	6	4	0	15	16	0	1	2	6	6	6	6	3	1		
18	83	1008.0	-	43.9	2.3	7.9	81	8.0	0	1	4	18	8	0	0	0	0	0	0	8	9	9	5	0	15	9	22	0	1	4	5	4	5	6	5	1	
Caithness. Wick ..	1	79	1009.2	-	40.7	1.3	7.7	89	8.4	0	1	4	10	16	0	1	0	0	1	1	9	6	13	0	1	14	16	0	1	2	1	8	7	6	5	1	
	7	79	1008.7	+1.3	39.6	1.2	7.5	89	8.9	0	0	2	12	17	0	1	0	0	0	2	6	7	15	0	1	14	16	0	2	2	1	7	6	8	4	1	
	13	79	1009.2	-	43.4	2.0	7.8	83	8.9	0	0	1	14	16	0	0	0	0	0	3	7	9	12	0	1	14	16	0	2	2	0	7	10	3	5	2	
	18	79	1009.2	-	42.2	1.5	7.9	87	8.6	0	3	0	8	20	0	0	0	0	0	4	6	7	14	0	1	11	19	0	1	1	0	9	6	5	5	4	
Inverness. Dalwhinnie†	7	1180	965.9	-	36.5	0.9	6.8	91	9.7	0	1	0	2	28	0	0	0	0	2	4	6	16	3	0	4	24	3	1	3	0	2	14	6	0	2		
	13	1180	966.0	-	41.9	2.6	7.0	78	8.9	0	1	5	2	23	0	0	0	0	1	5	22	2	0	0	8	23	0	0	5	0	1	15	6	3	1		
	18	1180	965.9	-	39.6	1.9	7.0	83	9.2	0	1	1	5	24	0	0	0	0	1	5	19	6	0	0	6	25	0	1	3	1	5	13	6	2	0		
Inverness. Inverness ..	9	250	1008.9	-	42.5	2.5	7.4	79	6.5	0	2	14	12	3	0	0	0	0	4	4	6	10	7	0	9	16	6	3	3	5	2	7	3	2	0		
	17	250	1008.2	-	44.7	3.4	7.4	73	6.2	0	1	15	13	2	0	0	0	0	2	4	9	12	4	0	10	19	2	2	3	3	6	9	5	0	1		
1. SCOTLAND, E.																																					
Aberdeen. Aberdeen H	7	85	1009.8	+0.8	39.3	1.3	7.2	88	8.5	0	2	3	9	17	0	2	0	1	0	4	14	7	3	0	0	3	26	2	3	2	1	7	4	8	1	3	
	13	85	1010.3	+1.1	44.3	2.9	7.6	77	7.9	0	4	4	9	14	0	0	0	1	1	3	17	1	8	0	0	7	24	0	2	2	0	10	8	6	1	2	
	18	85	1010.3	+1.1	42.5	2.2	7.5	81	7.7	0	3	7	8	13	0	0	0	1	3	2	18	6	1	0	0	5	26	0	2	2	3	7	5	5	4	3	
	21	85	1010.7	+1.4	41.1	1.6	7.4	84	7.1	2	5	2	10	12	0	0	1	0	2	2	15	10	1	0	0	3	27	1	2	1	3	4	6	7	6	1	
	h.*	85	1010.2	+0.9	41.4	1.9	7.5	83																													
Aberdeen. Braemar† ..	9	1108	1010.7	-	38.5	1.7	6.8	85	8.9	1	0	3	4	23	0	0	0	0	3	12	15	1	0	0	3	19	9	2	4	2	3	0	7	4	0		
Perth. Crieff ..	9	482	1009.6	-	40.5	1.9	7.3	83	9.0	0	2	1	9	19	-	-	-	-	-	-	-	-	-	-	1	11	19	0	3	0	13	1	3	4	7	0	
	21	482	1009.8	-	40.2	1.8	7.0	84	7.8	1	2	6	4	18	-	-	-	-	-	-	-	-	-	-	0	6	25	0	2	1	13	0	4	1	10	0	
Fife. Inchkeith ..	1	184	1009.8	-	40.4	1.0	7.6	91	7.7	0	1	8	10	12	0	1	0	0	1	0	7	12	10	0	0	5	26	0	1	5	7	4	4	10	0	0	
	7	184	1009.4	-	39.7	1.0	7.6	91	8.5	0	0	2	15	14	0	0	0	0	5	0	11	4	11	0	0	5	26	0	3	7	4	4	3	9	0	1	
	13	184	1010.2	-	42.6	1.5	8.2	87	8.7	0	0	2	19	10	0	0	0	0	1	0	11	8	11	0	0	5	26	0	2	7	8	2	4	6	2	0	
	18	184	1009.6	-	42.4	1.3	8.0	89	8.3	0	1	1	22	7	0	0	0	0	4	0	12	5	10	0	0	6	25	0	2	5	8	4	4	8	0	0	
Fife. Leuchars.. H	7	36	1009.7	-	38.6	0.8	7.4	92	8.6	1	1	3	11	15	0	0	2	0	4	1	11	7	6	0	0	4	22	5	1	3	6	4	1	4	5	2	
	13	36	1010.1	-	44.9	2.7	8.0	78	8.4	0	2	4	10	15	0	0	0	0	3	4	4	13	7	0	11	19	1	2	5	9	1	4	4	3	2		
	18	36	1009.8	-	42.6	1.8	8.1	85	8.6	0	2	2	12	15	0	0	0	0	4	1	9	8	7	2	0	8	20	3	1	4	9	5	2	3	4	0	
Mid Lothian. Edinburgh (Blackford Hill)	9	441	1009.8	-	41.8	1.7	7.8	85	8.1	0	4	3	9	15	0	1	0	2	2	11	15	0	0	0	0	8	22	1	1	5	4	5	6	5	4	0	
	21	441	1010.2	-	41.4	1.7	7.5	85	8.0	2	2	3	6	18	0	0	1	0	1	12	16	1	0	0	0	4	21	6	1	3	4	6	3	6	2	0	
6a. SCOTLAND, W.																																					
Argyll. Tiree ..	7	40	1007.3	-	42.5	1.2	8.5	90	8.0	0	2	5	13	11	0	1	0	0	0	0	6	18	4	2	0	19	10	2	5	2	3	8	4	3	3	1	
	13	40	1007.9	-	46.7	2.6	8.8	80	8.4	0	2	2	19	8	0	1	0	0	0	0	14	4	5	7	0	18	13	0	4	4	4	7	4	3	5	0	
	18	40	1007.9	-	43.9	1.6	8.3	85	8.2	0	2	3	16	10	0	0	0	0	0	1	15	5	6	4	0	15	16	0	4	2	4	9	2	3	6	1	
Bute. Rothesay ..	9	187	1008.1	-	43.1	1.6	8.1	87	8.6	0	1	2	15	13	0	0	2	0	6	1	13	5	3	1	0	16	14	1	2	2	10	3	6	0	5	2	
	21	187	1008.3	-	43.4	1.8	8.0	86	8.3	0	0	3	21	7	0	0	1	1	0	3	8	14	4	0	1	8	20	2	0	2	6	6	5	1	5	4	
Renfrew. Renfrew .. (Abbotsinch)	7	24	1009.1	-	40.5																																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of MARCH, 1936

Main data table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Includes sub-sections for South Wales, England S.W., Ireland N., Ireland S., and Channel I. & Scilly.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04-inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here. in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), *Pressure* (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.



MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2; 120 GEORGE STREET, EDINBURGH 2; YORK STREET, MANCHESTER 1; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any Bookseller.

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APRIL, 1936.—Rather cold, with northerly winds.

The weather of April was distinguished by persistent, cold, northerly winds during the first three weeks, and by deficient rainfall and excessive sunshine in Scotland, northern England and north-east Ireland.

On the 1st and 2nd a depression off southern Ireland moved east-north-east causing rain in England and south Ireland and, on the 3rd, a secondary depression over the Bay of Biscay moving east, caused further rain in southern districts. Meanwhile an anticyclone moved south-east from Greenland and dominated conditions over most of the British Isles until the 10th or 11th. At first the anticyclone was centred northward of Scotland, it then moved to a position westward of the British Isles and on the 9th and 10th it was situated over Scotland. Mainly dry weather prevailed from the 4th-10th, with good sunshine records at times, particularly in the north and west. On the 11th the anticyclone began to retreat northward, while a depression over north Germany moved slowly westward; weather deteriorated and during the next few days cold north-easterly winds prevailed with showers and snow in many places. Subsequently, pressure became high over Greenland and low over Germany and Scandinavia. The prevailing winds were from some northerly point and were accompanied by local wintry showers. Much bright sunshine was recorded from the 17th-19th inclusive. Deep depressions moving east across southern districts on the 20th and 21st caused fairly heavy rain in the south and a ridge of high pressure gave a sunny day on the 22nd.

A change to mild unsettled conditions with southerly to south-westerly winds occurred around the 23rd-24th when a depression approached Iceland from the south-west. A wedge of high pressure crossed the British Isles on the 27th and subsequently the Azores anticyclone spread north-east over England giving fair, rather warm weather over most of the country.

Pressure and Wind.—Mean pressure somewhat exceeded the average generally, the excess being greatest in the north-west and varying at 7 h. from 4.6 mb. at Stornoway and 4.5 mb. at Malin Head to 0.3 mb. at Kew Observatory.

Winds from some northerly point were unusually persistent during the first three weeks, but a mild south-westerly current set in on the 24th. Few gales were reported but gale force was reached locally in the north and west of Scotland at times between the 13th and 15th and 23rd and 25th. Strong winds occurred in southern England on the 3rd and 4th and strong winds and local gales in the south around the 21st and 22nd. No notably high speeds were registered in gusts, among the highest being 63 m.p.h. at Lerwick on the 14th, 59 m.p.h. at Pendennis Castle on the 3rd and 58 m.p.h. at Dunfanaghy Road, Donegal, on the 24th.

Temperature.—Mean temperature was below the average in all districts, the deficiency varying from 1.1°F. in the Channel Islands to 2.4°F. in England, S.E. (see Table I). It was the coldest April at West Kirby since 1917, and at Hampstead, Ross-on-Wye, and Teignmouth since 1922. Winds from some northerly point were responsible for the cold conditions which prevailed for the most part from the 2nd to the 23rd, although day temperatures were fairly high in some localities between the 8th and 10th. The lowest minima occurred as a rule on one of the days from the 12th to 23rd. A change to milder weather occurred on the 24th and maxima of 60°F. or above were registered at the majority of the stations on one

or other of the last 7 days, while 65°F. was reached, or exceeded, locally in England on the 25th, 28th and 29th.

The extremes for the month were:—(England and Wales) 69°F. at Newport, Isle of Wight, on the 29th, 16°F. at Rickmansworth on the 23rd; (Scotland) 63°F. at Stirling on the 8th and at Perth on the 30th, 14°F. at Dalwhinnie on the 21st; (Ireland) 62°F. at Glasnevin and Trinity College, Dublin, on the 28th and at Foynes on the 30th, and 24°F. at Markree Castle on the 13th and 19th.

Precipitation.—The general precipitation of the British Isles, expressed as a percentage of the average for the period 1881-1915, was 81, the values for the constituent countries being England and Wales 96, Scotland 54 and Ireland 73.

In Scotland the deficiency was almost universal; in Angus, parts of Aberdeenshire and Perthshire, and locally in the south-west, the fall was only about one-third of the average. In Ireland the deficiency was greatest in the north-east; elsewhere totals were variable, more than the average occurring locally south of a line joining Balbriggan to Clew Bay, but considerably less than the average in the extreme south. Over most of northern England (particularly the north-west) there was a considerable deficiency but in Lincolnshire, the Midlands, southern and south-western England, falls were usually excessive.

Snow or sleet occurred at times, particularly between the 11th and 22nd, and thunderstorms were reported at a few stations at times mainly between the 11th and 16th and on the 20th, 22nd, 25th and 26th.

Among the heaviest falls in 24 hours were:—

3rd. 40 mm. at Swansea, and 31 mm. at Ipplepen (s. Devon).
21st. 31 mm. at Cardigan.
23rd. 49 mm. at Fofanny (Co. Down).
24th. 31 mm. at Ardgour (Argyll).

Sunshine.—A noteworthy feature of the weather of the month was the excessive sunshine enjoyed in Scotland, northern England and at certain stations in northern Ireland. On the other hand, in southern and eastern England and southern Ireland there was, on the whole, a deficiency, which was greatest in England, S.E., and England, E. (see Table I).

At Wakefield it was the sunniest April since 1921 and at Inchkeith and Aldergrove, the sunniest on record. (Sunshine was first recorded at the last two stations in 1923 and 1927 respectively.) The period 17th-19th was generally sunny, and on the west and south-west coast of Scotland abundant sunshine was registered during the longer spell from the 17th-22nd. For example, at Tiree an average of rather more than 12 hours per day was enjoyed during these 6 days.

Fog.—Local fog occurred at times, mainly from the 1st-3rd, 8th, 14th, 21st, 24th-25th and 28th-29th. It occurred at isolated places on a few other days. In some parts the month was practically free from fog.

Miscellaneous Phenomena.—The aurora was observed in Scotland on the 1st, 6th, 8th, 10th, 12th, 13th, 15th, 17th-23rd, 25th, 29th and 30th and at Holyhead on the 20th. Solar haloes were noted at Oxford on 7 days.

TABLE I.—DISTRICT VALUES.— APRIL, 1936

[1906, revised 1923.]

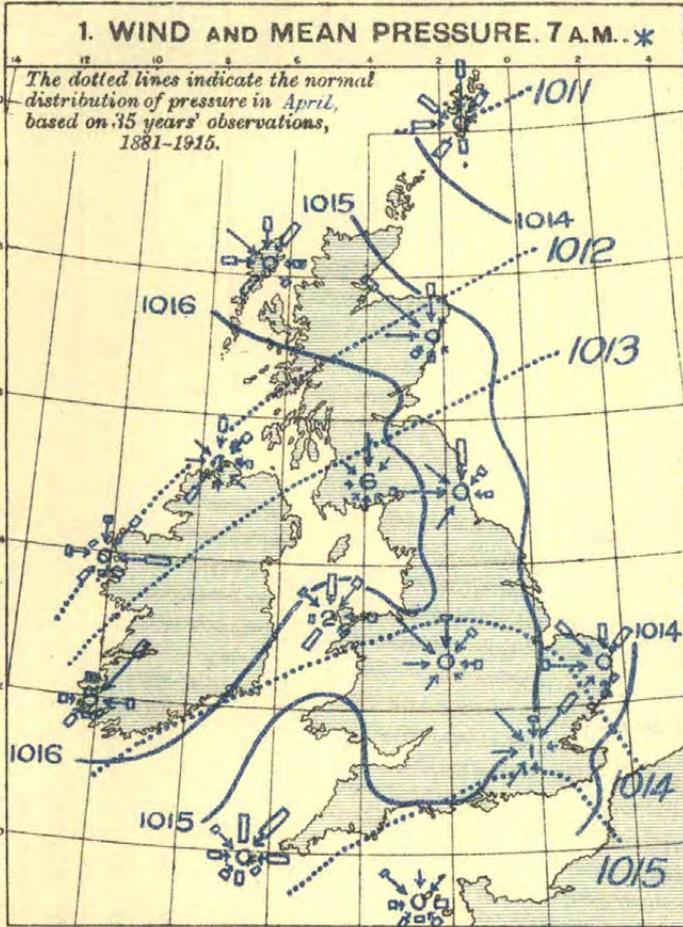
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
	°F.	°F.	°F.	°F.	°F.	%		%	%
0. SCOTLAND, N.	59	14	-1.3	-	-	51	-1	116	39
Eastern.									
1. SCOTLAND, E.	63	17	-1.4	-	-	60	0	124	41
2. ENGLAND, N.E.	66	22	-1.3	+0.4	+0.7	91	-3	125	43
3. ENGLAND, E.	66	16	-2.2	-0.2	+0.5	87	-1	89	34
4. MIDLAND COUNTIES ..	65	21	-2.2	-0.4	+0.3	105	-1	102	34
5. ENGLAND, S.E.	69	24	-2.4	-0.1	+0.6	109	-2	87	35

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
	°F.	°F.	°F.	°F.	°F.	%		%	%
Western.									
6. SCOTLAND, W. (and I. of Man)	63	17	-1.4	-0.1	+0.3	49	-5	123	42
7. ENGLAND, N.W. (and N. Wales)	62	21	-2.1	0.0	+0.6	67	-1	118	43
8. ENGLAND, S.W. (and S. Wales)	63	22	-1.9	-0.7	+0.5	103	-1	93	37
9. IRELAND, N. ...	59	24	-1.3	-0.5	+0.1	61	-7	104	39
10. IRELAND, S. ...	62	26	-1.4	-0.3	+0.3	86	-1	93	35
11. CHANNEL I. (and Scilly)	60	35	-1.1	-0.2	+0.5	87	-3	94	44
Mean: DISTRICTS	69	16	-1.3	-0.2	+0.4	82	-2	106	38

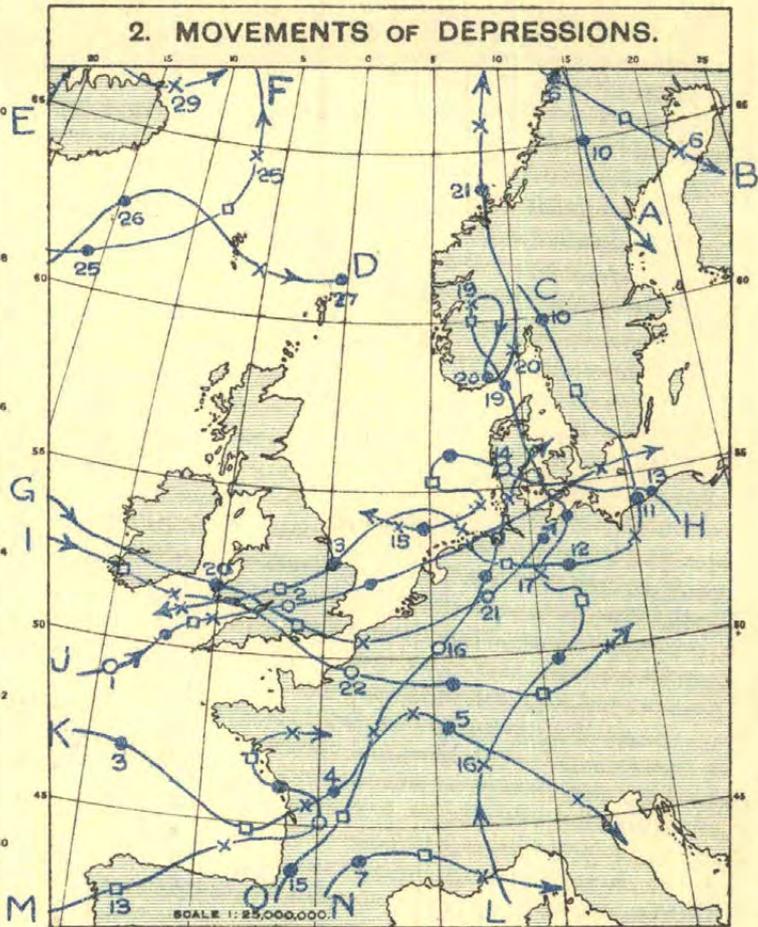
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— APRIL, 1936

[1914.]

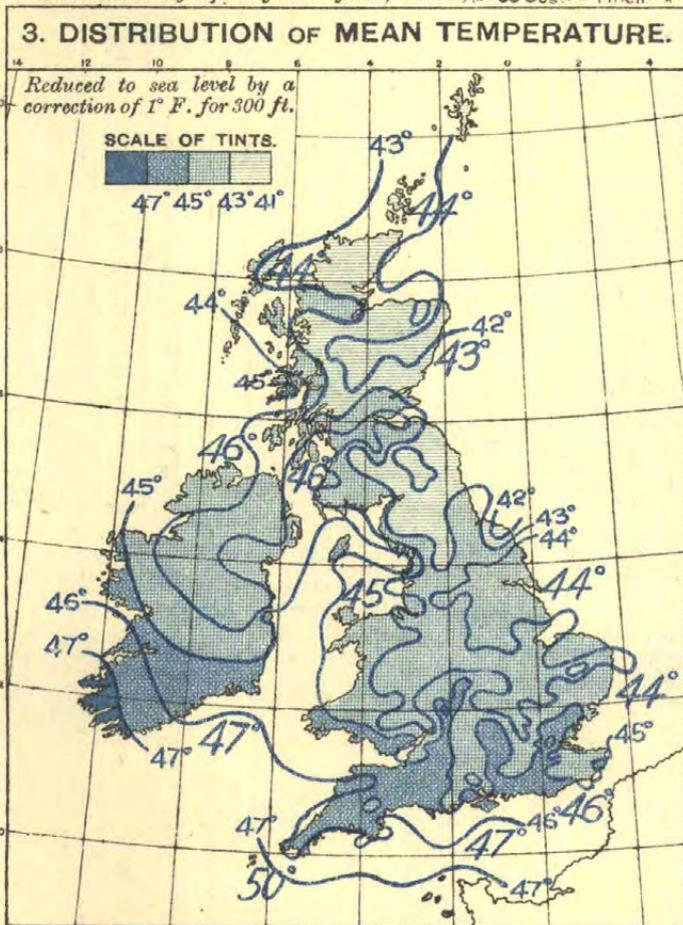
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record		Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed	Hour ended at	Speed	Time				
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.	
0. SCOTLAND, N.																					
Sutherland. Lerwick ..	310	53	39	13, 14	23	18	157	431	106	3	0	40	45	20	14 01	63	28	14	10	55	
Orkney. Kirkwall ..	170	40	35	-	0	9	72	430	203	15	0	30	32	14	14 08	54	24	14	09	10	
Hebrides. Stornoway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1. SCOTLAND, E.																					
Aberdeen. Aberdeen ..	70	42	32	-	0	1	1	183	321	115	0	310	25	11	19 10	48	22	19	12	10	
Kincairdine. Balmakewan ..	140	25	20	-	0	0	0	189	(364)	(187)	0	60	23	10	15 10	51	23	23	08	05	
Angus. Bell Rock Lighthouse	130	-	126	14, 15	7	18	183	291	188	51	0	30	40	18	15 09	52	23	15	08	05	
Edinburgh. Edinburgh ..	485	39	23	-	0	2	5	127	396	192	0	200	30	13	24 23	49	22	24	22	15	
6a. SCOTLAND, W.																					
Argyll. Tiree ..	75	50	42	-	0	4	41	326	292	61	0	180	37	17	23 16	51	23	23	15	20	
Renfrew. Paisley ..	188	81	31	-	0	1	2	84	456	178	0	180	27	12	24 21	51	23	24	20	55	
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	3	7	129	364	220	0	260	30	13	26 14	51	23	26	14	20	
Dumfries. Eskdalemuir ..	825	50	35	-	0	5	29	240	310	141	0	230	33	15	25 08	49	22	25	08	20	
6b. ISLE OF MAN.																					
Isle of Man. Point of Ayre ..	70	40	-	-	0	11	42	338	297	39	4	180	37	17	23 19	48	21	23	18	20	
2. ENGLAND, N.E.																					
Durham. South Shields ..	73	57	44	-	0	8	52	245	327	96	0	340	33	15	14 20	51	23	13	03	00	
Yorks., N.R. Catterick ..	220	45	33	-	0	0	0	106	459	155	0	270	22	10	18 16	44	20	11	13	10	
Yorks., E.R. Spurn Head ..	64	42	34	-	0	9	62	404	223	31	0	30	32	14	11 12	53	24	11	11	10	
Lincoln. Cranwell ..	284	43	33	-	0	0	0	216	433	71	0	360	22	10	11 16	50	22	11	12	25	
3. ENGLAND, E.																					
Norfolk. Gorleston ..	52	42	34	-	0	4	27	293	310	90	0	50	28	13	22 01	47	21	11	09	35	
Suffolk. Felixstowe Aero. ..	60	45	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall ..	64	45	20	-	0	0	0	166	467	87	0	90	22	10	4 15	49	22	11	12	40	
Bedford. Cardington ..	285	150	135	-	0	2	18	315	344	43	0	29	13	25 17	46	21	11	14	10		
Essex. Shoeburyness ..	115	104	89	4	2	7	53	313	325	27	0	40	40	18	4 15	55	24	4	14	25	
4. MIDLAND COUNTIES.																					
Warwick. Birmingham ..	643	118	73	-	0	0	0	234	456	30	0	80	24	11	4 04	38	17	4	02	40	
5. ENGLAND, S.E.																					
London. South Kensington ..	137	110	30	-	0	0	0	95	538	87	0	50	20	9	4 16	44	19	4	15	40	
Surrey. Kew Observatory ..	92	75	50	-	0	0	0	191	417	112	0	50	22	10	4 15	43	19	4	11	10	
Surrey. Croydon ..	313	105	70	-	0	2	8	309	327	78	0	70	27	12	4 14	50	22	4	13	15	
Kent. Dover ..	66	66	60	-	0	7	67	272	348	33	0	-	35	16	4 12	48	21	4	11	10	
Kent. Lympne ..	418	76	48	-	0	9	39	297	350	34	0	40	38	17	4 13	55	25	4	16	00	
Hampshire. Calshot ..	58	50	42	-	0	5	25	308	353	34	0	90	36	16	21 18	52	23	21	17	15	
Wiltshire. Boscombe Down ..	462	45	33	-	0	0	0	180	449	91	0	160	24	11	21 13	45	20	11	17	00	
Wiltshire. Larkhill ..	491	51	36	-	0	5	23	289	377	31	0	60	29	13	4 03	45	20	3	19	50	
7a. ENGLAND, N.W.																					
Lancashire. Fleetwood ..	112	50	31	-	0	3	14	353	304	49	0	330	29	13	20 17	43	19	18	17	10	
Lancashire. Manchester (Barton)	153	83	80	-	0	4	13	286	315	106	0	90	30	13	4 14	47	21	11	15	00	
Lancashire. Southport ..	60	42	33	-	0	5	18	377	271	54	0	80	29	13	4 12	48	21	13	12	50	
Cheshire. Bidston Obs'y. ..	262	64	39	-	0	3	12	370	271	51	16	330	29	13	18 14	50	22	24	23	25	
7b. NORTH WALES.																					
Anglesey. Holyhead ..	68	43	35	-	0	8	72	369	240	39	0	70	31	14	4 11	50	22	23	19	50	
Flint. Sealand ..	81	65	42	-	0	0	0	234	376	110	0	200	24	11	24 23	42	19	24	21	35	
8b. ENGLAND, S.W.																					
Devon. Moretonhampstead	838	40	35	-	0	0	0	203	424	93	0	160	24	11	21 11	44	20	25	19	15	
Devon. Plymouth ..	185	88	65	-	0	6	25	251	348	60	36	-	32	14	20 08	53	24	3	16	05	
Cornwall. The Lizard ..	315	75	60	3, 21	3	14	124	380	192	21	0	60	42	19	3 22	57	26	3	21	40	
Cornwall. Pendennis Castle ..	256	65	42	3, 4	16	14	120	282	240	62	0	50	43	19	3 23	59	26	3	18	25	
9. IRELAND, N.																					
Donegal. Dunfanaghy Road	180	47	30	-	0	4	32	59	153	478	0	-	33	15	25 01	59	26	24	20	55	
Antrim. Aldergrove ..	282	40	20	-	0	2	4	234	418	64	0	150	27	12	23 17	51	23	23	14	25	
10. IRELAND, S.																					
Dublin. Kingstown (Cup Anr.)	49	27	27	-	0	10	87	292	305	46	0	80	36	16	4 02	48	21	21	09	50	
Clare. Quilty ..	100	40	32	-	0	4	15	185	434	86	0	-	36	16	21 09	48	21	21	09	50	
Kerry. Valentia Observatory	98	41	33	-	0	6	24	263	332	101	0	30	32	15	21 21	53	24	21	20	40	



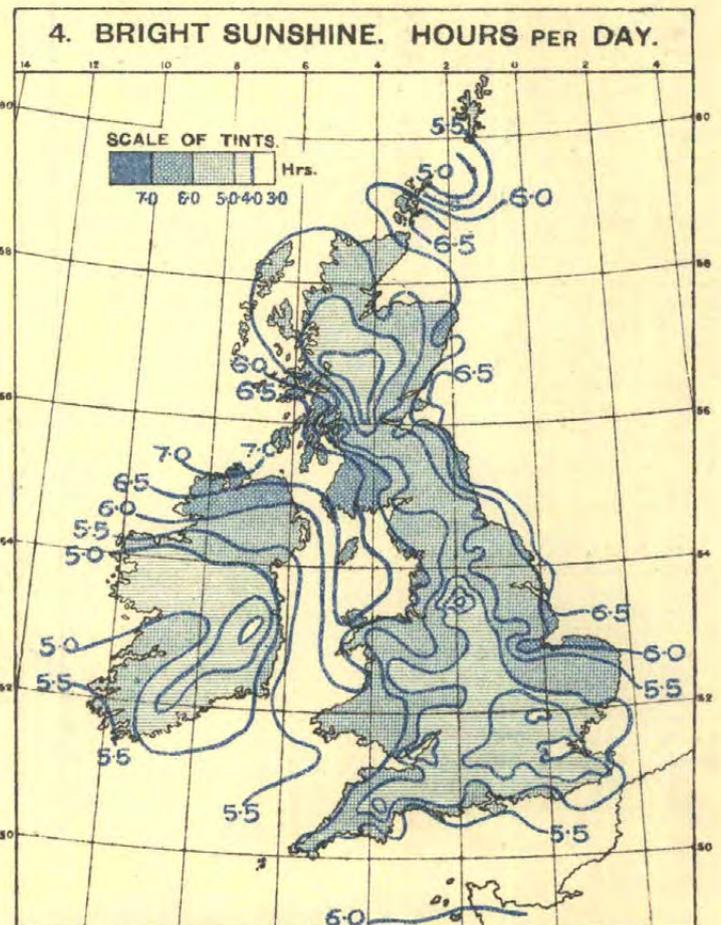
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG GALE
 30 Obs. 1 Inch *



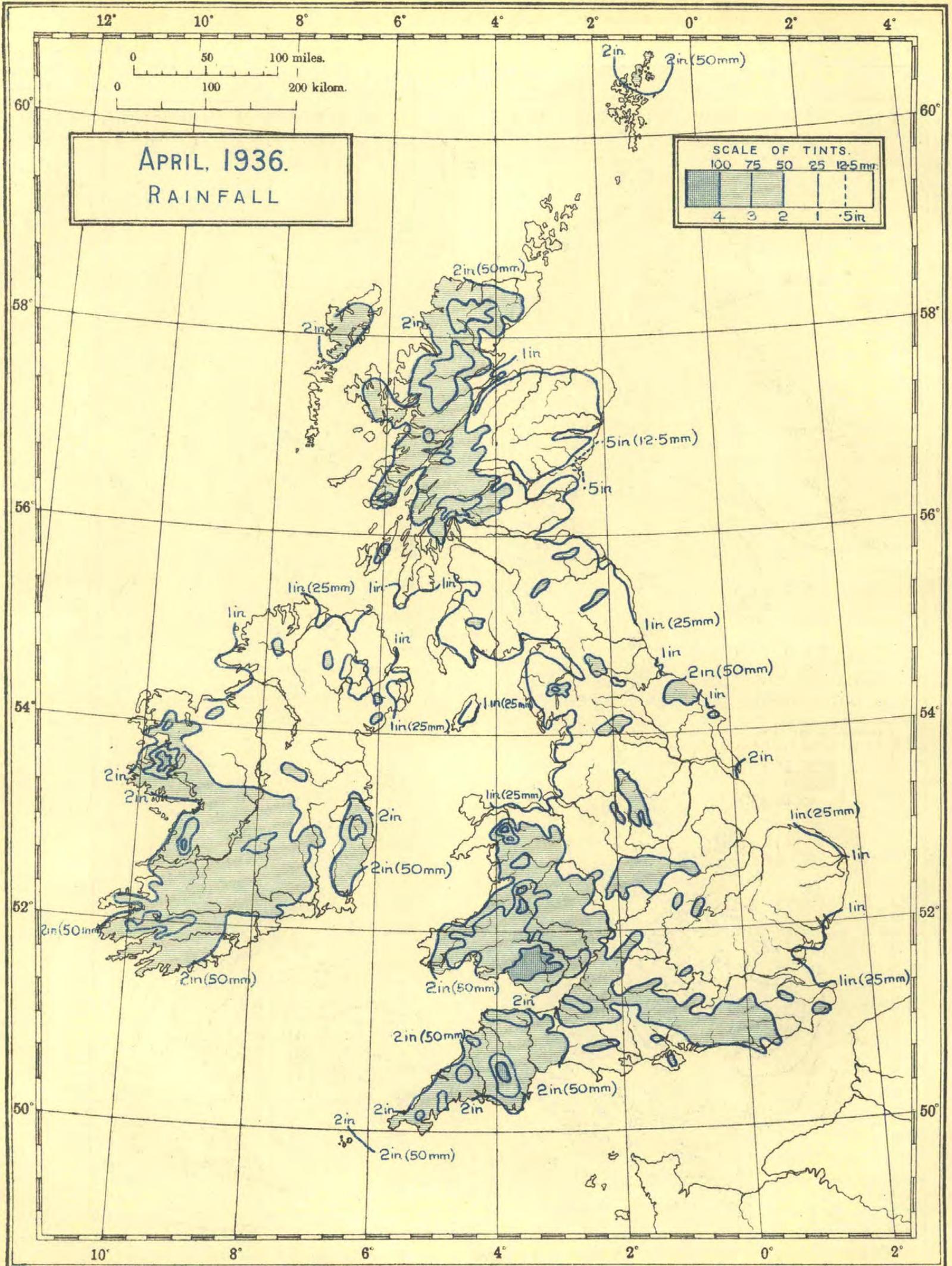
Positions of centres are shown thus: - O at 1h; ● at 7h; □ at 13h; X at 19h.



Sea temperatures are shown in large figures, thus: 46°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 447/3025. W. 22. D. 17. Gp. 908. 925. 5/36.

The equivalent values in mm. are given in round numbers. The exact relation* is 10 in = 254 mm. 1 mm.

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, APRIL, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE					
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn. g. Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.						
			A Max.	B Min.		Maximum	Date	Minimum						Date	1/2 in. or more										1 in. or more	Date	Date			
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	in.	in.	in.	in.	in.	hr.	hr.	%			
6b. ISLE OF MAN.																														
Isle of Man.	Douglas	9 9 9	284	48.7	37.9	43.3	-1.8	55	26, 27, 30	31	21, 23	-	-	1.11	28	-34	10	23	9	7	0	0	2	0	1	10	0	6.39	+0.98	50
	Point of Ayre	18-7 7	30	50.8	39.5	45.1	-	60	25, 28	29	21	-	-	0.84	21	-	4	26	9	6	0	0	0	0	1	0	6.60	-	47	
2. ENGLAND, N.E.																														
Northumb-berland.	Berwick-on-T.	9 9 9	76	47.3	36.3	41.8	-	58	25	28	21	-	-	1.13	29	-8	7	12	12	10	2	0	4	0	0	5	-	6.21	-	49
	Bellingham	9 9 9	849	43.4	31.2	39.8	-2.4	59	27	22	21	-	-	1.80	46	-9	10	23	15	7	12	3	3	0	0	-	-	-	-	-
	Cockle Park	2121 9	325	49.1	33.9	41.5	-1.4	60	27	28	20	41.0	42.6	1.31	33	-9	8	13, 15	14	7	-	-	-	-	6	-	6.67	+1.77	47	
	Tynemouth	18-7 7	108	47.7	37.7	42.7	-1.5	62	25	31	22	-	-	1.01	26	-10	6	13	13	7	4	0	1	0	0	0	-	-	-	-
Durham.	Chopwellwood	9 9 9	446	50.4	33.6	42.0	-1.4	61	25	27	21, 22	-	-	1.46	37	-8	10	12	12	8	6	0	6	2	0	-	5.48	+0.89	39	
	Durham	2121 9	336	49.8	34.6	42.1	-1.5	60	25	25	21	-	-	1.46	37	-3	8	14	13	7	4	0	3	0	0	14	0	5.62	+0.93	40
	Houghall	9 9 9	160	51.8	33.6	42.7	-	63	25	22	21	-	-	1.63	41	-	10	14	10	6	9	0	2	0	0	21	0	5.48	-	39
	Ushaw College	9 9 9	594	48.7	34.6	41.7	-1.9	59	25, 27	28	21, 22	-	-	1.37	35	-13	8	13	13	8	8	0	5	0	1	-	-	-	-	-
Yorks., N. Riding.	Ampleforth	9 9 9	313	49.4	35.2	42.3	-2.1	61	25	28	23	-	-	1.39	35	-	11	14	13	7	3	0	2	0	1	20	-	5.86	-	40
	Castleton	9 9 9	450	48.0	32.8	40.4	-	62	25	23	21	42.4	-	2.10	53	-	15	12	15	12	4	0	5	0	0	14	-	-	-	-
	Catterick	18-7 7	175	49.4	35.5	42.5	-	59	27, 28	26	21	-	-	1.28	33	-	7	12	11	7	7	0	5	0	0	16	0	5.95	-	43
	Scarborough	9 9 9	118	50.8	38.3	44.5	-1.2	64	25	31	21	-	45.9	1.03	26	-14	7	14	12	8	2	0	0	0	0	5	0	6.49	+1.37	46
	York	2121 9	57	51.7	36.7	44.2	-1.7	63	25	29	21	44.3	44.6	1.48	38	-3	12	14	10	6	1	0	6	0	-	0	5.90	+1.42	42	
Yorks., E. Riding.	Hull	2121 9	8	50.9	38.6	44.7	-0.8	66	28	31	21	45.1	44.3	1.63	41	+1	13	1	12	8	5	0	5	0	0	11	-	5.58	-	40
	Spurn Head	18-7 7	29	49.1	39.2	44.1	-1.0	65	25	32	12	-	-	2.48	63	+30	13	1	13	10	2	1	2	0	0	-	6.94	+1.84	50	
Lincoln.	Cranwell	18-7 7	240	50.5	35.4	42.9	-2.3	63	25, 28	28	23	43.1	44.7	1.71	43	+9	11	12	12	9	5	2	4	0	5	13	0	5.37	+0.51	39
	Cleethorpes	9 9 9	23	49.7	38.5	44.1	-	65	25	31	21	-	-	1.72	44	-	11	12	13	6	0	0	4	0	0	4	-	6.63	-	48
	Skegness	9 9 9	15	48.5	39.0	43.7	-1.1	63	25	28	23	-	-	1.34	34	0	12	12	13	8	4	0	4	0	0	8	-	6.37	+0.87	46
3. ENGLAND, E.																														
Norfolk.	Cromer	9 9 9	178	48.7	38.8	43.7	-2.0	65	25	33	13, 20	-	-	0.85	22	-10	4	14	15	7	1	0	4	0	0	3	0	6.23	+0.76	45
	Hunstanton	9 9 9	105	49.4	39.3	44.3	-	62	25, 28	33	14	-	-	1.25	32	-	7	12	10	6	2	0	0	0	0	-	-	6.23	-	45
	Norwich	9 9 9	110	50.3	37.1	43.7	-2.6	64	25	26	14	44.5	-	1.22	31	-	10	1	13	10	4	1	5	0	-	14	-	5.07	-0.16	36
	Sproston	9 9 9	93	50.1	38.8	43.5	-	64	25	25	14	-	-	1.31	33	-	9	1	18	8	3	1	3	0	0	23	-	5.61	-	40
	Terrington	9 9 9	13	51.1	37.3	44.2	-	65	25	30	14, 23	-	-	1.74	44	-	9	12, 19	12	8	2	1	3	0	0	9	-	5.38	-	39
	Thetford	9 9 9	99	51.1	33.7	42.4	-	63	25, 28	21	14, 21	44.9	45.2	1.54	39	-	9	1	15	10	4	0	4	1	0	18	-	5.34	-	38
	(Lynford Nursery)																													
	Yarmouth	18-7 7	5	48.3	39.0	43.7	-1.8	64	25	31	14	47.0	47.0	1.28	32	-6	8	20	14	9	4	0	4	0	3	3	0	5.64	-0.04	41
Suffolk.	Bungay (Flix'n)	9 9 9	79	51.1	36.9	44.0	-2.1	63	25	28	14	-	-	1.28	33	-	11	1	10	9	5	0	3	0	1	12	-	-	-	-
	Copdock	9 9 9	164	50.8	37.1	43.9	-1.9	63	25	29	21, 23	45.6	45.9	1.27	32	-	9	1	8	6	1	0	3	0	0	11	-	4.51	-0.49	33
	Felixstowe	18-7 7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hartest	9 9 9	250	50.9	36.4	43.7	-	62	25, 28, 29	26	21	-	-	1.40	36	-	8	1	9	7	3	0	1	0	0	8	-	5.31	-	38
	Lowestoft	9 9 9	82	50.0	38.0	44.0	-1.4	66	25	29	14, 23	47.1	46.7	1.20	30	-7	9	1	15	8	3	0	3	0	0	12	0	5.88	-0.40	42
	Mildenhall	18-7 7	19	51.5	36.9	44.2	-	66	28	27	14, 21, 23	-	-	1.30	33	-	10	1	12	8	1	0	2	1	2	12	0	5.29	-	38
Cambridge.	Cambridge (Bot. Gdns.)	2121 9	41	51.3	36.3	43.8	-2.5	64	28	26	21	46.3	46.5	1.32	34	0	9	1	12	8	0	0	1	0	0	11	0	4.68	-0.52	34
	(Univ. Farm)	9 9 9	78	50.9	36.7	43.8	-	64	28	27	14	-	-	1.31	33	-	9	1	14	7	0	0	0	0	0	15	0	5.17	-	34
Bedford.	Luton	9 9 9	381	49.7	35.9	42.8	-2.3	63	28	26	21	-	45.9	1.17	30	-	6	1	11	8	4	0	1	0	0	17	-	3.91	-0.70	28
	Woburn	9 9 9	291	50.1	36.3	43.2	-2.2	63	30	26	21	45.3	46.9	1.29	33	-5	9	1	13	8	6	0	2	0	0	12	-	4.38	-0.44	32
Hertford.	Rickmansworth	9 9 9	192	52.5	31.2	41.9	-	66	28	16	23	45.2	45.0	1.48	38	-	6	20, 28	14	10	7	1	3	0	2	23	0	4.48	-	33
	Rothamsted	9 9 9	420	49.4	36.3	42.3	-3.0	60	28	27	21	43.5	-	1.22	31	-10	6	1	12	9	3	0	3	2	1	16	0	4.23	-0.93	31
	St. Albans	9 9 9	272	50.8	36.4	43.5	-	62	28	25	21	45.8	-	1.07	27	-12	6	1	10	9	4	0	1	1	0	20	-	-	-	-
Essex.	Clacton-on-S.	9 9 9	53	49.8	38.4	44.0	-1.9	59	24	30	21, 23	46.8	46.8	1.21	31	-4	7	20	8	8	2	0	2	0	0	11	-	4.61	-1.16	33
	Chelmsford	9 9 9	134	51.5	36.6	44.1	-2.0	64	29	28	14, 21	-	-	1.29	33	+1	6	20	14	10	3	0	3	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	51.3	36.4	43.2	-	63	29	30	15, 17	-	-	1.29	33	-	7	1	9	6	1	0	1	0	-	18	-	4.85	-	34
	Earls Colne	9 9 9	168	52.1	37.1	44.6	-	63	28, 29	28	21	-	-	1.28	33	-	7	1	9	8	2	0	1	0	-	-	-	-	-	-
	Halstead	9 9 9	140	52.2	36.7	44.5	-2.2																							

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, APRIL, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT						Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE										
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn g Obs.)	Ground Frost	Gale	Hours per day										
			A	B		Maximum	Date	Minimum					Date	Amount								Date	0.2 mm. or more	1 mm. or more	Daily Mean	Difference from Average	Per Cent.					
			Max.	Min.	Mean of A and B	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%						
4. MID. COUNTIES—cont.																																
Nottingham	Nottingham	9 9 9	192	50.4	37.4	43.9	-1.8	61	24,25,28	28	21	43.0	43.4	1.53	39	+ 3	9	25	13	10	-	-	-	-	3	12	-	4.60	+0.23	33		
cont.	Sutton Bon'gton	9 9 9	157	50.8	34.4	42.6	-	62	25	23	21	-	-	1.44	37	+ 2	9	1	11	8	3	1	0	0	0	15	-	4.97	-	36		
	Worksop	9 9 9	56	51.9	35.8	43.9	-2.2	64	28	27	21,23	45.7	45.4	1.27	32	- 5	9	1	15	11	2	0	3	0	-	16	0	5.72	-	41		
Leicester.	Belvoir Castle	2121 9	259	50.4	36.7	43.5	-1.5	64	25	26	22	45.3	45.0	1.72	44	+ 5	10	1	11	10	-	-	-	-	-	21	-	6.00	+0.88	43		
Northampton	Oundle	9 9 9	147	50.2	36.6	43.4	-2.9	85	25	29	14	46.1	45.5	1.89	48	-	12	1	13	11	2	0	0	0	1	19	-	5.08	+0.82	37		
Warwick.	Birmingham	18-7 7	535	49.1	37.0	43.1	-2.4	80	24,28	31	14,17,21	42.3	44.7	2.02	51	+ 7	13	1	13	11	8	1	2	0	1	11	0	4.52	+0.15	32		
	Sparkhill	713 7	425	50.9	36.6	43.7	-2.2	83	28	29	21,23	-	-	1.87	47	0	14	1	12	11	6	1	4	0	3	16	-	-	-	-		
	Coventry	9 9 9	241	50.6	36.5	43.5	-3.0	83	28	24	23	45.7	46.2	1.98	50	+ 7	11	1	12	11	4	0	1	0	0	16	-	4.83	+0.16	35		
	Rugby	2121 9	390	51.6	34.7	43.1	-	82	29	24	21	-	-	1.82	46	-	10	1	13	8	4	0	0	0	-	17	-	-	-	-		
	Stratford-on-Avon	9 9 9	210	50.3	36.1	43.2	-	82	28	27	23	-	-	1.61	41	-	10	25	13	8	6	0	1	0	0	-	-	4.62	-	33		
Oxford.	Oxford	9 9 9	208	51.2	37.3	44.3	-2.5	63	28	29	23	46.3	46.4	1.64	42	+ 1	10	21	15	11	7	0	6	0	0	13	0	4.44	-0.67	32		
Bucks.	Halton	9 9 9	544	49.3	35.9	42.6	-	62	28	28	14,17	44.9	45.0	1.56	39	-	8	1	11	10	5	1	0	0	0	17	-	4.18	-	30		
	Mursley	9 9 9	490	49.1	35.6	42.3	-	61	28	28	21	43.6	-	1.28	32	- 9	12	1	13	8	-	-	-	-	-	-	-	4.21	-	31		
Stafford.	Mayfield	9 9 9	374	50.0	34.5	42.3	-2.0	61	25,30	23	21	-	-	1.63	41	-10	11	1	13	8	4	1	2	0	-	17	-	5.29	+0.64	38		
Shropshire.	Newport	9 9 9	211	49.7	34.8	42.3	-	59	24,25,28	26	13	-	-	1.45	37	- 2	10	1	13	9	4	0	0	0	0	18	-	5.50	-	40		
	Shrewsbury	9 9 9	184	50.5	35.2	42.9	-3.2	60	28	26	8,23	45.3	45.9	1.50	38	-	12	1	14	8	4	0	0	0	0	15	0	5.31	-	38		
Worcester.	Malvern	9 9 9	380	49.9	39.6	44.7	-2.2	61	25	34	14,15,22	45.2	44.7	2.11	54	+ 8	15	21	13	8	6	0	0	0	1	6	-	5.24	-0.03	38		
	Worcester (Perdiswell)	9 9 9	94	52.0	36.3	44.1	-	63	29	25	23	-	-	1.60	41	-	13	21	12	7	5	0	3	0	-	19	-	5.23	-	38		
Hereford.	Bromyard	9 9 9	393	50.3	35.5	42.9	-2.8	61	29	24	23	45.6	44.9	2.38	60	-	21	21	13	10	3	1	1	0	1	8	-	-	-	-		
	Hereford	9 9 9	292	50.4	36.3	43.3	-2.9	62	28	26	23	-	-	2.21	56	+10	18	21	15	12	2	0	0	0	0	12	0	-	-	-		
	Ross-on-Wye	18-7 7	223	50.4	37.5	43.9	-2.6	61	29	25	23	45.7	45.9	2.18	55	+ 7	19	21	14	7	3	0	4	0	0	16	0	4.83	-0.06	35		
Gloucester.	Bristol (Horfield)	18-7 7	206	51.1	37.6	44.3	-	63	29	28	23	46.9	46.4	2.51	64	-	12	21	17	12	7	1	5	0	10	0	-	-	-	-		
	Cheltenham	2121 9	214	51.0	36.7	43.9	-3.0	61	28,29	27	23	46.7	46.7	2.01	51	+ 8	12	21	16	10	5	1	2	0	0	11	0	4.97	-0.22	36		
	Cirencester	9 9 9	443	49.3	36.0	42.7	-2.8	60	28,29	25	23	-	-	1.87	47	-	11	21	15	11	4	0	0	0	0	15	-	4.88	-	35		
	Parkend	9 9 9	325	50.1	35.4	42.7	-	60	29	23	23	44.4	44.7	2.87	73	-	15	21	17	13	4	0	1	0	0	18	-	4.60	-	33		
5. ENGLAND, S.E.																																
London.	City, Bunhill																															
	Row																															
	Camden Square	9 9 9	110	52.2	39.3	45.7	-2.6	65	28	31	21	45.7	45.7	1.36	35	- 4	8	20	14	7	5	0	1	0	-	11	-	-	-	-	-	
	East Ham	9 9 9	15	51.8	38.9	45.3	-2.6	65	29	30	14,21	-	-	1.33	34	- 1	8	20	13	9	-	-	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	52.2	38.5	45.3	-2.0	66	28	29	21	-	-	1.19	32	- 5	6	20	13	10	7	0	2	0	2	3	-	4.24	-	31		
	Greenwich	2424 9	149	52.3	37.4	44.9	-2.4	63	28,29	28	21	45.1	45.6	1.49	38	+ 1	9	20	14	7	6	0	2	0	0	15	0	3.55	-1.20	26		
	Hampstead	9 9 9	450	49.8	35.9	42.9	-3.0	63	28	26	23	-	-	1.38	35	-	8	20	14	8	7	0	2	0	-	21	-	4.11	-0.94	30		
	Kensington	18-9 9	80	51.5	39.3	45.4	-2.7	63	28	31	14	46.1	46.2	1.41	36	- 3	9	20	13	7	3	0	0	0	1	8	0	3.79	-	27		
	Kingsway																															
	Regent's Park	9 9 9	129	51.5	38.9	45.2	-	64	29	31	21	-	-	1.37	35	-	9	20	13	8	4	0	0	0	0	5	-	3.89	-0.25	28		
	Kew	2424 9	18	50.9	38.3	44.6	-2.5	63	28	31	23	45.9	46.6	1.68	43	+ 6	11	20	14	9	5	0	2	0	0	15	0	4.39	-0.59	32		
	Observatory	18-7 7		50.9	39.2	45.1	-2.5																									
	Tottenham	2121 9	51	52.3	39.9	46.1	-1.6	65	28	32	14	-	-	1.28	33	- 4	7	20	12	8	1	0	0	0	-	3	-	4.38	-0.46	31		
	Westminster	9 9 9	27	52.1	39.7	45.9	-2.4	63	28,29	31	21,23	-	-	1.39	35	0	9	20	12	8	3	0	0	0	-	8	-	3.71	-0.84	27		
Surrey.	Addington	9 9 9	472	49.0	36.5	42.7	-3.0	60	29,30	30	14	-	-	1.78	45	-	10	20	14	10	4	0	0	0	0	-	-	-	-	-		
	Croydon	18-7 7	217	50.7	38.2	44.5	-2.2	62	28	28	14	-	-	1.81	46	+ 4	10	3	13	8	7	0	1	0	2	6	0	3.66	-0.91	27		
	Wisley	9 9 9	150	51.2	37.0	44.1	-2.7	63	28	29	14,21	46.3	46.4	1.65	42	-	10	20,21	11	9	2	0	0	1	1	17	0	4.10	-0.93	30		
Kent.	Biggin Hill	18-7 7	567	48.6	37.5	43.1	-2.0	59	29	27	14	-	-	1.98	50	+ 1	12	20	13	7	7	0	2	0	2	15	0	4.17	-0.74	30		
	Bromley	9 9 9	213	51.2	37.5	44.3	-	63	29	27	14	-	-	1.49	38	+ 1	10	20	13	8	4	0	0	0	0	14	-	-	-	-		
	Canterbury	9 9 9	124	51.7	38.3	45.0	-1.9	64	29	25	14	46.9	46.6	1.02	26	-	9	20	10	6	-	-	-	-	-	-	-	-	-	-		
	Dover	9 9 9	22	50.9	40.2	45.5	-0.8	60	29,30	33	13,14	46.9	47.1	2.30	58	-	21	20	13	8	2	0	5									

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of APRIL, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION										
										0	1 to 3	4 to 6	7 to 9	10	FOG			Mist	Fog	Red. Vis.	Mod. Vis.	GOOD VISIBILITY	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
										0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
5. ENGLAND, S.E.—cont.																																					
Kent. Biggin Hill	H	7	572	1015.0	-	40.0	1.6	7.3	86	7.2	3	3	3	6	15	0	1	1	0	1	7	9	8	3	0	0	0	7	22	1	6	7	0	1	1	5	4
		13	572	1014.7	-	46.5	4.8	7.0	64	8.3	0	1	2	19	8	0	0	0	1	2	1	3	17	6	0	0	0	12	18	0	6	9	1	2	3	1	3
		18	572	1014.4	-	44.8	4.2	6.9	68	7.0	0	3	9	11	7	0	0	0	0	2	3	7	14	4	0	0	0	9	19	2	8	8	1	0	1	3	3
Kent. Dungeness		7	-	-	-	41.8	1.4	8.0	88	6.9	3	2	7	11	7	2	0	0	1	1	5	5	17	0	0	0	0	6	24	0	5	9	1	0	1	3	4
		13	-	-	-	48.5	4.3	8.2	69	7.9	0	0	5	19	6	0	0	1	1	0	3	24	0	0	0	0	13	17	0	3	13	1	2	2	6	0	3
		18	-	-	-	46.4	3.6	7.6	72	7.3	0	3	5	19	3	0	0	0	0	0	3	5	22	0	0	0	13	17	0	3	13	2	0	2	5	5	
Kent. Lympne	H	1	345	1014.3	-	39.6	1.6	7.2	86	5.4	8	5	1	4	12	0	0	1	0	0	0	13	11	5	0	0	11	19	0	7	8	1	0	1	4	0	
		7	345	1014.8	-	40.5	1.8	7.4	84	6.8	3	5	3	9	10	0	0	1	0	0	5	12	8	4	0	0	9	20	1	8	8	1	1	0	3	5	
		13	345	1014.7	-	46.5	4.5	7.2	68	7.8	0	4	5	13	8	0	0	0	0	0	1	5	11	9	4	0	18	12	0	10	8	0	2	1	5	1	
Kent. Manston		18	345	1014.4	-	44.8	3.7	7.2	70	6.8	2	3	6	14	5	0	0	0	0	0	9	6	13	2	0	14	16	0	9	10	0	3	1	4	2	1	
		7	141	1013.9	-	41.7	2.2	7.4	81	6.3	4	5	3	10	8	0	1	0	0	1	7	11	8	1	0	14	16	0	7	7	1	1	3	4	1	6	
		13	141	1013.9	-	42.2	2.1	7.6	81	7.2	3	3	2	14	8	0	0	1	0	2	3	7	7	10	0	14	16	0	7	9	0	0	2	6	3	3	
Kent. Tunbridge Wells		18	141	1014.5	-	47.0	4.3	7.6	68	7.4	0	4	4	16	6	0	0	0	0	1	9	4	16	0	0	16	14	0	7	9	1	1	1	3	2	6	
		18	141	1014.0	-	45.0	3.6	7.4	72	6.9	0	5	7	12	6	0	0	0	0	2	7	14	0	0	17	13	0	5	12	1	2	1	3	3	3		
		9	407	1015.1	-	44.7	2.5	8.1	80	7.3	0	4	7	10	9	0	0	0	0	3	11	15	1	0	0	10	20	0	4	12	2	2	0	2	2		
Sussex. Brighton	H	9	48	1015.2	-	46.1	3.1	8.2	77	6.3	2	7	5	5	11	0	0	0	1	2	5	15	3	4	0	0	9	21	0	3	9	8	0	2	1	5	
Sussex. Hastings	H	9	121	1014.1	-	46.2	3.4	7.7	74	6.4	2	5	8	7	8	0	0	0	0	1	3	16	8	2	0	0	8	21	1	0	15	0	0	0	6	0	
		21	121	1014.2	-	42.7	2.4	7.3	80	5.6	10	0	5	5	10	0	0	0	0	0	9	16	4	1	0	0	7	23	0	0	18	0	0	0	5	0	
Hampshire. Calshot		7	15	1015.0	-	42.1	1.5	7.9	87	7.6	3	6	5	7	9	0	0	1	0	2	2	9	11	5	0	11	18	1	9	3	2	0	1	2	3	9	
		13	15	1014.7	-	49.4	4.6	8.0	67	7.7	0	2	6	13	9	0	0	0	0	0	10	13	7	0	0	15	15	0	12	5	1	1	5	2	1	3	
		18	15	1014.1	-	48.2	4.2	8.0	69	6.3	2	5	6	9	8	0	0	0	0	0	2	10	11	7	0	0	17	13	0	12	5	1	0	5	1	3	
Hampshire. Southampton		9	84	1015.6	+0.7	44.7	2.6	8.0	79	6.2	9	1	1	6	13	0	0	0	0	1	24	5	0	0	0	0	1	28	1	8	10	2	1	0	1	2	
		21	84	1014.9	+0.2	44.3	2.3	8.0	81	4.8	13	1	1	7	8	0	0	0	2	1	3	24	0	0	0	0	2	28	0	5	12	1	2	1	1	2	
		7	256	1014.9	-	40.1	1.4	7.5	87	6.7	2	5	5	6	12	0	1	0	0	1	4	11	7	6	0	0	3	24	3	6	6	1	2	1	1	5	
Hampshire. S. Farnborough	H	13	256	1014.8	-	49.8	5.9	7.2	60	8.3	0	0	4	18	8	0	0	0	0	4	10	10	5	1	0	8	20	2	8	8	1	0	3	2	3	3	
		18	256	1014.1	-	47.3	5.0	7.1	64	8.9	0	4	8	12	6	0	0	0	0	2	9	15	4	0	0	4	26	0	8	8	2	0	1	2	4	5	
		9	80	1014.8	-	46.9	3.6	8.3	75	7.0	1	4	7	9	9	-	-	-	-	-	-	-	-	-	-	0	8	22	0	7	6	8	0	1	5		
I. of Wight. Ventnor (Hosp.)		15	80	1013.7	-	50.2	4.5	8.4	69	5.7	1	10	8	3	8	-	-	-	-	-	-	-	-	-	-	0	8	22	0	4	5	6	2	0	1		
Wilts. Amesbury (Boscombe Down)	H	7	420	1015.2	-	39.0	1.2	7.4	89	6.2	4	6	3	4	13	0	0	0	1	0	6	8	13	2	0	0	7	23	0	10	5	3	1	1	2	1	
		13	420	1014.8	-	46.9	4.7	7.2	65	8.1	0	1	6	13	10	0	0	0	0	0	5	16	9	0	0	14	15	1	10	7	2	0	3	1	2	4	
		18	420	1014.1	-	46.6	4.6	7.3	67	6.0	0	8	9	6	7	0	0	0	0	0	3	2	17	8	0	0	12	16	2	8	7	3	0	1	3	2	
Wilts. Larkhill	H	9	444	1015.0	-	43.8	3.0	7.5	76	7.4	0	6	5	6	13	0	0	0	0	0	5	7	18	0	0	14	15	1	8	6	4	2	1	2	1	5	
		13	444	1014.6	-	47.3	4.9	7.2	65	8.1	0	1	6	10	13	0	0	0	0	0	2	7	21	0	0	15	14	1	7	9	3	1	2	2	1	4	
		15	444	1014.1	-	47.4	5.0	7.1	64	8.2	0	1	3	17	9	0	0	0	1	0	0	2	9	18	0	0	18	12	0	5	11	3	1	2	1	3	
7a. ENGLAND, N.W.																																					
Lancashire. Hutton		9	86	-	-	44.3	4.3	6.4	65	5.4	0	8	12	6	4	-	-	-	-	-	-	-	-	-	-	0	1	29	0	7	5	4	0	1	2		
Lancashire. Manchester (Barton)	H	7	83	1016.0	-	38.8	1.8	6.8	83	6.0	5	4	2	15	4	1	1	0	2	3	5	10	4	4	0	0	7	19	4	6	5	3	4	1	1	2	
		13	83	1015.6	-	48.6	6.3	6.6	56	7.2	0	3	9	10	8	0	0	0	1	0	7	8	9	11	0	0	13	17	0	2	5	8	2	1	2	3	
		18	83	1015.3	-	46.5	4.7	7.0	65	7.0	0	7	4	7	12	0	0	0	0	2	5	5	11	7	0	0	20	10	0	3	4	8	2	0	3	2	
Lancashire. Manchester (Whitworth Pk.)		9	127	1016.0	-	43.3	3.1	7.0	74	5.8	3	3	7	15	2	-	-	-	-	-	-	-	-	-	-	0	2	27	1	5	9	5	1	0	3		
		21	127	1015.7	-	43.5	2.6	7.3	79	5.7	0	8	8	12	2	-	-	-	-	-	-	-	-	-	-	0	2	27	1	1	8	8	0	3	1		
Lancashire. Southport* (Bedford Rd. Park)	H	9	37	1016.2	+1.9	44.7	3.9	7.0	69	6.4	1	8	3	9	9	0	0	0	0	0	7																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of APRIL, 1936

Table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Radnor, Glamorgan, Somerset, Dorset, Devon, Cornwall, Sligo, Mayo, Donegal, Antrim, Armagh, Dublin, Offaly, Waterford, Kerry, Cork, Guernsey, and Gibraltar.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), *Pressure* (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

M.O. 402

COPY FOR OFFICIAL USE

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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MAY, 1936.—Dry; sunny in the north and west.

The month was distinguished by a deficiency of rainfall. Sunshine was excessive in Scotland, Ireland and north-west England but deficient, on the whole, elsewhere in England.

On the 1st an anticyclone centred over the British Isles moved east and, subsequently, the highest pressure was situated over northern Scandinavia while a wedge extended south-west across the British Isles. Mainly fair weather prevailed during the first four days, with good records of bright sunshine in many places. A depression moving south-east from the west of Ireland brought rain to western districts on the 5th and rain locally on the 6th. Thunderstorms occurred in places on the 5th and 6th.

During the next few days pressure was high over Scandinavia and low over France and, subsequently, a ridge of high pressure connecting anticyclones over the Azores and Scandinavia lay over the British Isles. Little or no rain fell between the 7th and 11th and sunshine records were good at times, particularly in the north and west.

A depression centred south-west of Iceland and a shallow trough moving south-east across the British Isles gave rain in the north-west and west late on the 11th and more generally on the 12th. Further Atlantic depressions caused a continuance of rather unsettled conditions and moderately heavy rain fell in parts of Ireland on the 14th and locally in the west and north-west on the 15th and 16th, while local thunderstorms were reported between the 16th and 18th. From the 18th-20th, pressure was low over France and Spain, while the Azores anticyclone moved north-east, and, by the morning of the 21st, the depression over France had moved to north Germany. Mainly fair weather prevailed on the 19th and 20th and the 21st was bright with showers, chiefly in eastern districts. Temperature fell decidedly between the 19th and 21st. From the 22nd-23rd, a depression moved south from the north of Scotland to the Bay of Biscay where it remained almost stationary for some days. Rain was fairly general on the 22nd and occurred at many places in England on the 23rd, while a shallow depression over Germany spreading west caused heavy rain in north-east England on the 24th. Meanwhile, pressure became high northward of Scotland and by the 27th an intense anticyclone was established south-west of Iceland and dominated conditions in the British Isles. Subsequently, a depression north of the Faeroes moved south-east and then east and cool, showery weather, with local thunderstorms prevailed until the end of the month.

Pressure and Wind.—Although mean pressure exceeded the average generally, the excess was so much greater in the north than in the south that the normal distribution was reversed and mean pressure was highest northward of Scotland and lowest southward of England. Winds from some northerly or easterly point greatly predominated.

No noteworthy gales occurred and among the highest speeds registered in gusts were 57 m.p.h. at Valentia Observatory on the 14th, 56 m.p.h. at Kirkwall on the 16th and 52 m.p.h. at Lympne on the 20th, at South Shields and Spurn Head on the 21st and at Eskdalemuir and the Lizard on the 24th.

Temperature.—Mean temperature somewhat exceeded the average over the country as a whole, the deviation from the average ranging from -0.2°F . in England, E. to $+1.4^{\circ}\text{F}$. in Scotland, N. (See Table I).

As is so often the case in May, there were marked fluctuations in temperature; at Rickmansworth the monthly range amounted to

54°F . Warm spells occurred around the 6th (particularly in south-east and east England), from the 10th-19th and around the 26th. In many parts of Ireland the highest temperature of the month was registered on the 26th. At one or two stations in England 80°F . was reached on the 17th and 18th. Cold spells included the 1st-4th, 21st-23rd and 28th-31st. At Totland Bay, Isle of Wight, the minimum, 36°F . on the 29th, is the lowest so late in May, in 51 years' observations. At Chelmsford strawberry and potato crops were caught by the frost on the 29th (grass minimum 24°F .) and at Street (Somerset) exposed beds of potatoes and French beans were injured by ground frosts on the 29th and 31st.

The extremes for the month were:—(England and Wales) 80°F . at Tunbridge Wells on the 17th and at Camden Square (London) and Reading on the 18th, 22°F . at Houghall on the 3rd; (Scotland) 73°F . at Ardtornish and Ruthwell on the 10th, 26°F . at Dalwhinnie on the 1st; (Ireland) 73°F . at Cork on the 26th and 32°F . at Newtownforbes on the 31st.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 58, the values for the constituent countries being England and Wales 53, Scotland 65 and Ireland 61. It was only in small isolated areas mainly in south-west and west Scotland, at Braemar, in east and north-east England, north Wales and the Isle of Man that more than the average rainfall occurred.

An "absolute drought" was recorded at many places in south and east England during the 1st half of the month. At Lexden, Essex, the drought lasted for 26 days from April 26th to May 21st inclusive and at Selborne, Hants, and at Oxford droughts of 25 days occurred, the last days being May 20th and May 21st respectively. At Oxford it was the longest drought on record for this time of year, the previous longest being one of 22 days, May 12th-June 2nd, 1919. At Eastbourne it was the driest May since 1895 and at Totland Bay, Isle of Wight, since 1896. At some other stations established in more recent years it was the driest May on record.

Thunderstorms occurred at times, mainly on the 5th, 6th, 15th-18th, 26th and 30th-31st. A severe thunderstorm occurred in the Dunstable district on the afternoon of the 6th. The hailstones were in some instances fully one inch in diameter. At Houghton Regis, 53 mm. of rain fell in 45 minutes (See Meteorological Magazine, vol. 71, page 115). Heavy rain fell during thundery conditions in Argyllshire on the 16th and 17th; 62 mm. were registered at Ardrishaig and 53 mm. at Admaddy Castle on the 16th and 79 mm. at Poltalloch and 54 mm. at Tobermory on the 17th.

Sunshine.—Broadly speaking, sunshine was excessive in Scotland, Ireland, north-west England and the Channel Islands and deficient in other parts of England. The greatest deficiency occurred in England, E. and the Midlands (See Table I). Although the district values show a slight deficiency in the southern districts of England, at some individual stations, chiefly on the coast, there was a considerable excess; for example, the month's total at Plymouth (Mount Batten) was nearly 49 hours more than the average.

Fog.—Fog occurred at times, particularly from the 5th-13th, 17th-20th and 5th-26th.

Miscellaneous Phenomena.—The aurora was observed at Lerwick in the Shetland Islands on the 12th. Solar halos were noted at Oxford on 11 days.

TABLE I.—DISTRICT VALUES.— MAY, 1936

[1908, revised 1928.]

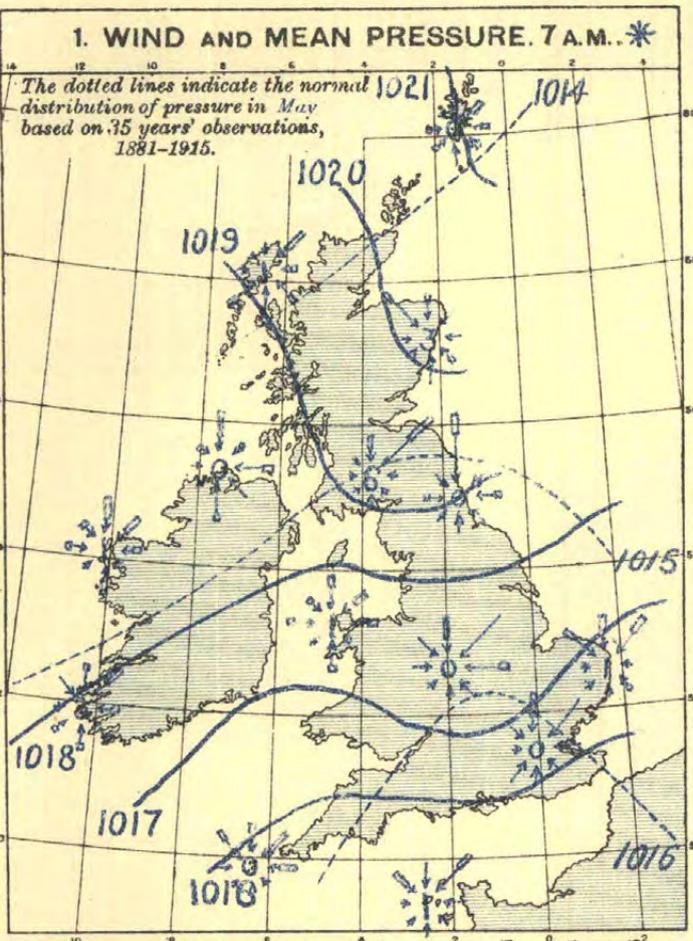
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	71	26	+1.4	-	-	47	- 5	115	37
<i>Eastern.</i>									
1. SCOTLAND, E.	71	27	+0.8	-	-	58	- 3	106	35
2. ENGLAND, N.E.	77	22	0.0	+0.8	+0.7	59	- 1	94	33
3. ENGLAND, E.	78	24	-0.2	-0.4	+0.1	32	- 7	82	36
4. MIDLAND COUNTRIES ..	79	27	+0.2	-0.7	+0.2	51	- 8	88	32
5. ENGLAND, S.E.	80	30	+0.1	+0.3	+0.4	25	- 6	96	43

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western.									
6. SCOTLAND, W. (and I. of Man)	73	27	+1.3	+0.5	-0.1	63	- 5	110	37
7. ENGLAND, N.W. (and N. Wales)	78	29	+0.8	+0.5	+0.8	56	- 5	113	43
8. ENGLAND, S.W. (and S. Wales)	79	31	+0.7	+0.7	+0.4	51	- 5	97	41
9. IRELAND, N. ...	72	32	+0.7	+0.3	-0.1	60	- 5	113	40
10. IRELAND, S. ...	73	33	+0.5	+0.2	-0.2	56	- 5	113	43
11. CHANNEL I. (and Scilly)	75	44	+0.5	+0.3	-0.1	53	- 5	108	51
Mean: DISTRICTS	80	22	+0.5	+0.2	+0.2	51	- 5	101	38

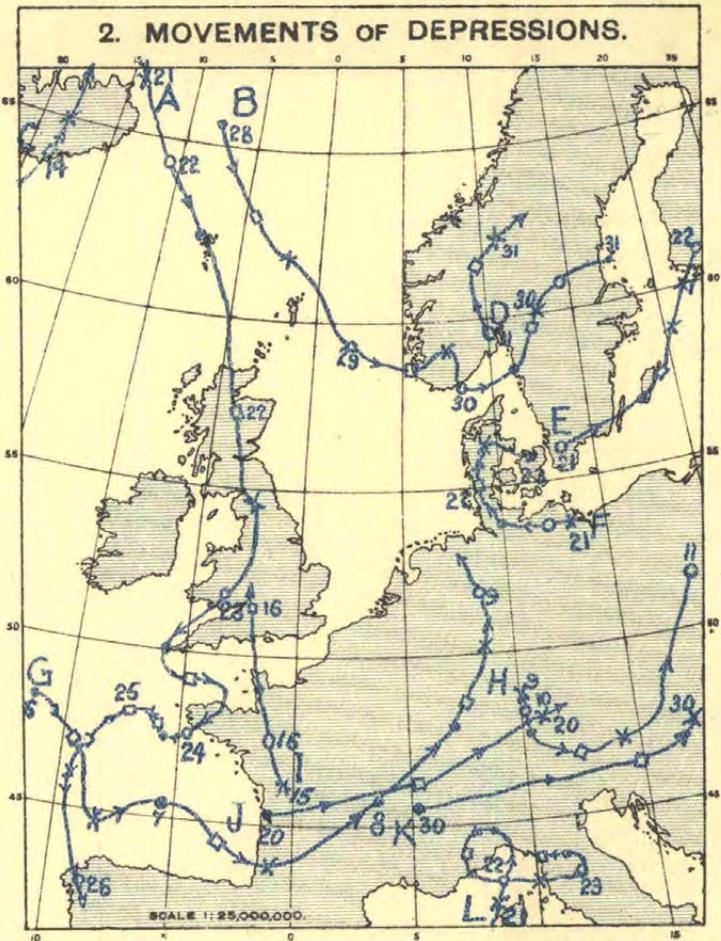
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— MAY, 1936

[1914.]

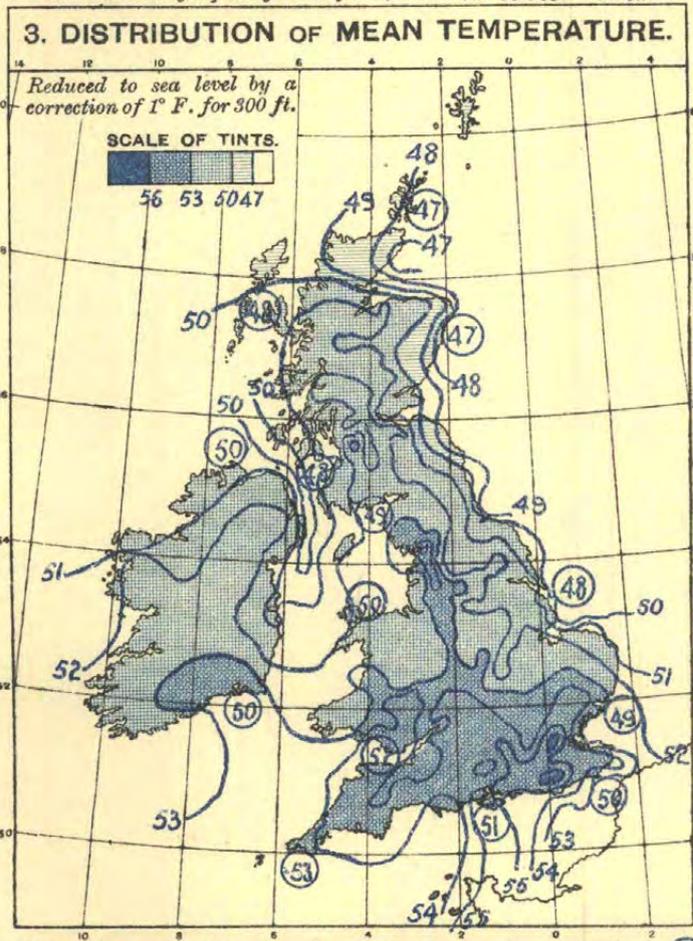
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities										
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record		Highest Hourly Wind			Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time						
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.				
0. SCOTLAND, N.																						
Shetland. Lerwick ..	310	53	39	-	0	9	57	344	292	51	0	40	32	14	29	10	47	21	29	10	05	
Orkney. Kirkwall ..	170	40	35	-	0	6	91	385	236	32	0	130	38	17	16	17	58	25	16	15	50	
Hebrides. Stornoway ..	-	-	-	-	0	13	81	337	277	49	0	180	36	16	15	06	46	21	15	05	45	
1. SCOTLAND, E.																						
Aberdeen. Aberdeen ..	70	42	32	-	0	0	0	87	418	239	0	330	19	9	29	18	38	17	15	10	45	
Kinairdine. Balmakewan ..	140	25	20	-	0	0	0	86	(471)	(187)	0	50	24	11	20	12	42	19	20	10	50	
Angus. Bell Rock Lighthouse	130	-	126	-	0	14	102	433	130	79	0	10	35	16	24	11	47	21	23	19	30	
Edinburgh. Edinburgh ..	485	39	23	-	0	0	0	43	473	204	24	130	22	10	16	18	36	16	16	16	45	
6a. SCOTLAND, W.																						
Argyll. Tiree ..	75	50	42	-	0	4	25	331	291	97	0	150	35	16	15	03	48	21	15	01	30	
Renfrew. Paisley ..	188	81	31	-	0	0	0	97	443	204	0	170	21	9	15	09	41	18	24	17	05	
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	0	0	150	380	214	0	310	22	10	29	12	43	19	6	12	05	
Dumfries. Eskdalemuir ..	825	50	35	-	0	3	9	259	363	113	0	110	27	12	16	19	52	23	24	20	45	
6b. ISLE OF MAN.																						
Isle of Man. Point of Ayre ..	70	40	-	-	0	3	8	300	356	80	0	50	29	13	30	08	42	19	23	03	40	
2. ENGLAND, N.E.																						
Durham. South Shields ..	73	57	44	-	0	7	55	212	319	151	7	350	32	14	20	24	52	23	21	11	20	
Yorks., N.R. Catterick ..	220	45	33	-	0	0	0	125	416	203	0	120	22	10	18	16	40	18	21	12	40	
Yorks., E.R. Spurn Head ..	64	42	34	-	0	8	87	379	248	26	4	360	34	15	21	11	52	23	21	06	50	
Lincoln. Cranwell ..	284	43	33	-	0	1	1	178	476	89	0	120	25	11	16	13	41	18	16	12	40	
3. ENGLAND, E.																						
Norfolk. Gorleston ..	52	42	34	-	0	4	24	261	420	39	0	340	29	13	21	12	49	22	21	02	15	
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	0	0	118	518	108	0	160	23	10	16	14	50	22	21	10	10	
Suffolk. Mildenhall ..	64	45	20	-	0	0	0	118	518	108	0	160	23	10	16	14	50	22	21	10	10	
Bedford. Cardington ..	285	150	135	-	0	2	10	229	448	57	0	20	28	13	20	17	45	20	20	13	55	
Essex. Shoeburyness ..	115	104	89	-	0	5	16	347	345	36	0	90	31	14	16	15	43	19	21	11	20	
4. MIDLAND COUNTIES.																						
Warwick. Birmingham ..	643	118	73	-	0	0	0	136	542	66	0	120	20	9	16	13	39	17	16	12	30	
5. ENGLAND, S.E.																						
London. South Kensington ..	137	110	30	-	0	0	0	63	608	75	0	30	18	8	20	11	40	18	20	15	14	
Surrey. Kew Observatory ..	92	75	50	-	0	0	0	179	457	108	0	40	23	10	20	10	48	21	21	16	10	
Surrey. Croydon ..	313	105	70	-	0	0	0	244	414	86	0	20	23	10	20	20	47	21	21	12	30	
Kent. Dover ..	66	66	60	-	0	7	23	387	277	57	0	-	30	13	7	14	47	21	20	10	50	
Kent. Lympne ..	418	76	48	-	0	5	31	321	328	64	0	20	34	15	20	17	52	23	20	16	10	
Hampshire. Calshot ..	58	50	42	-	0	1	1	268	408	67	0	100	26	12	23	10	38	17	30	14	00	
Wiltshire. Boscombe Down ..	462	45	33	-	0	0	0	116	512	116	0	30	22	10	20	15	39	17	20	12	45	
Wiltshire. Larkhill ..	491	51	36	-	0	2	9	227	423	85	0	30	29	13	20	14	43	19	20	14	55	
7a. ENGLAND, N.W.																						
Lancashire. Fleetwood ..	112	50	31	-	0	1	9	259	416	60	0	320	30	13	29	02	42	19	29	01	40	
Lancashire. Manchester (Barton)	153	83	80	-	0	2	2	251	378	113	0	310	25	11	29	14	40	18	23	06	55	
Lancashire. Southport ..	60	42	33	-	0	1	6	264	411	63	0	290	27	12	29	11	40	18	24	08	30	
Cheshire. Bidston Obs'y. ..	262	64	39	-	0	1	6	275	363	66	34	290	26	12	29	11	43	19	29	10	40	
7b. NORTH WALES.																						
Anglesey. Holyhead ..	68	43	35	-	0	7	37	246	361	100	0	60	31	14	23	10	45	20	23	08	55	
Flint. Sealand ..	81	65	42	-	0	1	2	140	444	158	0	300	26	12	21	14	38	17	21	13	20	
8b. ENGLAND, S.W.																						
Devon. Moretonhampstead	838	40	35	-	0	0	0	88	519	137	0	330	21	9	30	17	39	17	30	15	55	
Devon. Plymouth ..	185	88	65	-	0	0	0	211	397	128	8	-	23	10	25	10	39	17	26	10	25	
Cornwall. The Lizard ..	315	75	60	-	0	5	28	366	343	7	0	40	36	16	24	07	52	23	24	06	45	
Cornwall. Pendennis Castle ..	256	65	42	-	0	7	39	260	391	50	4	50	35	16	23	17	48	21	24	10	15	
9. IRELAND, N.																						
Donegal. Dunfanaghy Road	180	47	30	-	0	0	0	20	103	573	48	-	18	8	15	15	35	16	15	14	40	
Antrim. Aldergrove ..	282	40	20	-	0	1	1	175	449	119	0	60	25	11	24	05	46	21	14	22	15	
10. IRELAND, S.																						
Dublin. Kingstown (Cup Anr.)	49	27	27	-	0	6	31	192	369	152	0	70	31	1								



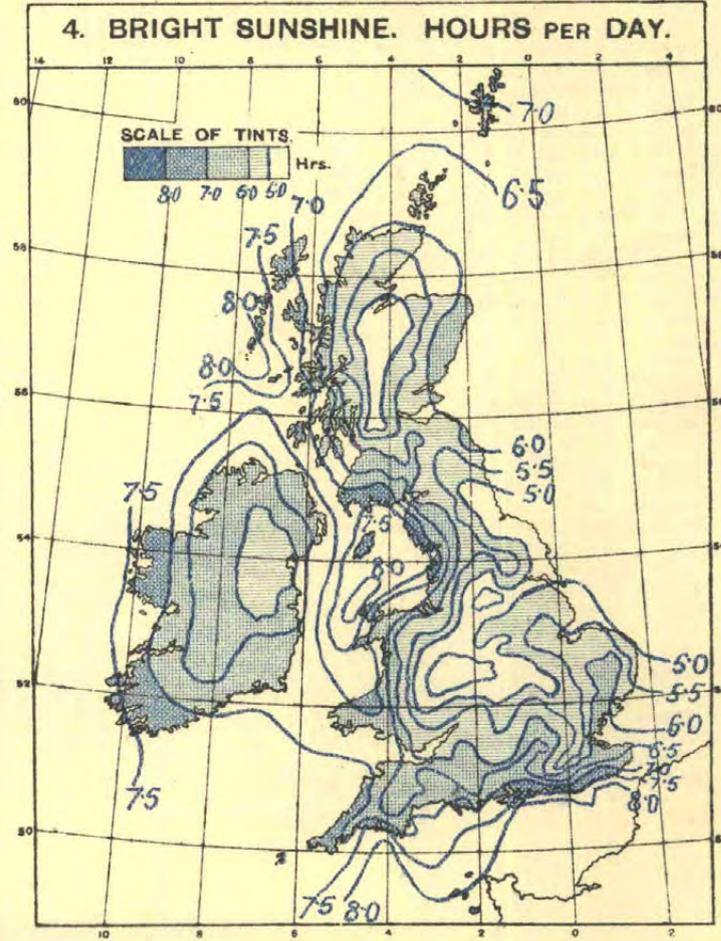
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG 30 Obs. 1 Inch
 MODERATE GALE



Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; × at 18h.



Sea temperatures are shown in large figures, thus: 50



*The pressure is expressed in millibars.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, MAY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT										Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE				
			Means of		Difference from Average		Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n 0.2 mm. or more	Precip'n 1 mm. or more	Snow lying	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.		
			A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date														
			Max.	Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.	Total Fall	Difference from Average	Amount	Date	Precip'n 0.2 mm. or more	Precip'n 1 mm. or more	Snow lying	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.		
0. SCOTLAND, N.																														
Shetland.	Baltasound	ft.	52.5	42.1	47.3	+2.3	57	11,12	34	9	48.4	-	1.15	29	-29	8	28	13	7	0	0	4	0	1	-	0	7.22	+2.64	42	
	Lerwick	156	49.6	43.4	46.5	+1.3	55	10	37	28,31	-	-	0.91	23	-26	7	18	10	8	0	0	2	0	1	-	0	6.99	+2.79	41	
Orkney.	Deerness	2121	9	160	51.8	43.0	47.3	+1.0	57	26	38	30	-	1.23	31	-20	6	18	14	9	2	0	2	1	0	-	6.26	+0.94	37	
	Kirkwall	113	53.2	43.2	48.2	+1.1	62	3	38	9	49.0	-	1.28	33	-20	7	18	14	9	0	0	3	1	0	1	2	6.40	+0.97	38	
Hebrides.	Skallary	101010	30	55.3	46.0	50.7	-	62	26	41	31	-	2.30	58	-	25	16	13	11	0	0	0	0	0	-	-	-	-	-	
	Stornoway (C.G.)	18-7	80	54.7	44.3	49.5	+2.4	64	10	36	31	-	1.18	30	-	4	17	15	12	0	0	2	0	0	-	0	6.85	+1.00	41	
Skye.	Stornoway	-	9	30	-	-	-	-	-	-	-	-	1.10	28	-37	4	16	15	12	-	-	-	-	-	-	-	-	-	-	
	Duntulm	294	55.2	44.8	50.0	-	63	5,6	39	31	-	-	1.91	49	-	9	16	15	12	0	0	0	0	0	0	0	7.18	-	44	
Calthness.	Wick	18-7	81	50.3	42.8	46.5	+0.6	57	19	36	28	-	1.98	50	-3	16	22	12	7	0	0	2	0	0	-	0	-	-	-	
	Wick	225	60.0	42.5	51.3	-	71	10,11	30	30	-	-	1.90	46	-68	4	13,18	15	14	0	0	0	0	0	-	-	-	-	-	
Ross & Cromarty.	Achnashellach	999	9	69	58.4	44.3	51.3	+2.0	66	16	37	31	-	1.17	30	-	7	18	11	8	0	0	0	0	0	-	0	4.74	-0.81	29
	Fortrose	999	9	69	58.4	44.3	51.3	+2.0	66	16	37	31	-	1.17	30	-	7	18	11	8	0	0	0	0	0	-	0	4.74	-0.81	29
Inverness.	Dalwhinnie	18-7	1176	55.9	38.3	47.1	-	67	10,26	26	1	-	1.06	27	-	5	17,22	13	10	0	0	2	0	0	1.3	1	4.62	-	28	
	Ft. Augustus	999	9	68	58.7	42.4	50.5	+1.8	70	11,19	31	1	-	0.97	25	-36	6	18	12	7	0	0	0	0	0	-	0	4.71	-	29S
Inverness.	Ft. William	999	34	60.1	43.5	51.8	(+1.8)	67	10,20,26	33	13	51.5	48.0	2.08	53	-44	15	16	10	10	0	0	0	0	4	0	5.59	-	34S	
	Inverness	999	242	57.4	43.2	50.3	+0.9	66	16	36	9	-	0.83	21	-25	6	18	8	6	0	0	0	0	0	3	0	4.72	-0.37	29	
1. SCOTLAND, E.																														
Nairn.	Nairn	999	20	56.7	43.2	49.9	+0.9	65	7, 8,16	30	9	-	1.23	31	-15	9	18	11	7	0	0	1	0	0	-	0	4.91	-0.44	30	
	Forres	999	155	58.8	43.0	50.8	-	71	10	33	28	-	0.95	24	-	5	18	9	6	0	0	2	1	0	-	1	5.13	-	31	
Moray.	Gordon Castle	2121	9	104	57.5	42.3	49.9	+0.6	69	11	33	9	-	0.82	21	-33	4	12,29	9	6	0	0	0	0	-	-	5.35	-0.20	32S	
	Banff	999	130	55.8	43.8	49.8	+0.9	69	11	39	2,4	-	1.05	27	-21	11	22	14	7	0	0	2	0	0	1	0	5.77	+0.17	35	
Aberdeen.	Aberdeen	242424	79	52.4	43.1	47.7	-0.3	60	19	37	31	49.9	46.2	1.19	30	-29	8	22	13	8	0	0	3	1	2	0	6.47	+0.87	39	
	Balmoral	999	927	55.4	37.7	46.5	0.0	67	11,19	27	4	-	1.64	42	-17	10	26	13	10	0	0	1	1	-	8	0	-	-	-	
Braemar.	Braemar	2121	9	1111	55.9	38.4	47.1	+0.9	67	10,11,19	27	4	-	2.43	62	+2	35	26	12	9	1	0	0	1	0	10	0	5.29	-	32S
	Craibstone	999	300	53.9	41.5	47.7	-	61	19,26	36	31	48.4	44.9	1.31	33	-31	9	22	12	9	0	0	2	1	-	0	6.58	-	40	
Logie Coldstone.	Logie Coldstone	999	9	608	56.6	38.8	47.8	0.0	68	11	27	4	-	1.47	37	-26	8	12	17	12	0	0	0	0	0	7	-	-	-	
	Balmakewan	999	80	55.4	42.0	48.7	-	64	19	34	2,3	-	1.38	35	-	10	17	14	9	0	0	2	0	2	-	6.37	-	39		
Stonehaven.	Stonehaven	999	12	55.4	42.0	48.7	-	64	19	34	2,3	-	1.38	35	-	10	17	14	9	0	0	2	0	2	-	6.37	-	39		
	Arbroath	2121	9	93	56.2	42.2	49.2	+0.7	64	10	34	2,31	-	1.32	33	-18	9	17	10	8	0	0	1	0	2	8	6.65	-	41	
Angus.	Carnoustie	999	39	55.4	43.0	49.2	+0.9	62	29	35	31	-	1.31	33	-21	8	17	12	8	1	0	1	0	-	0	6.02	+0.27	37		
	Dundee	999	147	57.2	43.2	50.2	+1.1	66	19	35	2	51.8	-	1.31	33	-18	9	31	12	9	0	0	2	0	1	0	5.64	+0.34	35	
Kettins.	Kettins	999	218	59.3	41.8	50.5	+1.4	68	19	32	10	53.3	-	0.46	12	-56	3	17	10	3	0	0	1	0	7	1	-	-	-	
	Montrose	999	16	54.3	42.1	48.2	+0.7	60	28,29	32	2	-	1.13	29	-	9	17	12	8	0	0	1	0	0	-	0	6.13	+0.73	38	
Perth.	Grieff	2121	9	478	58.2	41.1	49.7	+0.6	69	11	33	31	-	1.45	37	-26	15	17	15	6	0	0	2	0	-	0	-	-	-	
	Perth	999	76	61.0	42.5	51.7	+1.5	71	19	34	17	-	0.36	9	-47	3	17	6	5	0	0	1	0	-	-	5.53	+0.04	34		
Fife.	Cupar	999	210	56.7	42.5	49.6	+0.5	66	11,19	35	28,31	-	0.86	22	-	5	31	13	7	0	0	0	0	-	-	-	-	-		
	Dunfermline	999	237	57.5	42.0	49.7	-	65	11,19	36	28,31	54.2	48.4	0.86	22	-	6	29	8	5	0	0	2	1	0	6	0	5.51	-	34
Inchkeith	Inchkeith	18-7	190	54.8	44.1	49.5	+0.8	60	2	40	31	-	0.57	15	-28	4	29	11	5	0	0	2	3	1	0	5	5.75	-	35	
	Kirkcaldy	999	63	56.7	43.6	50.1	+0.1	64	2,13	35	28	-	1.02	26	-	12	26	10	5	0	0	2	2	-	-	-	-	-		
Leuchars.	Leuchars	18-7	7	35	56.5	42.5	49.5	+1.2	65	19	32	31	-	1.28	33	-17	10	31	13	6	0	0	0	0	0	9	0	6.29	+0.57	39
	St. Andrews	999	13	55.2	42.8	49.0	+0.3	66	18	34	2,31	51.0	47.2	1.20	30	-23	7	15	15	7	0	0	1	0	2	1	6.31	+0.86	39	
Mid Lothian.																														
Edinburgh—	Blackford H.	2121	9	441	56.2	43.4	49.8	+1.1	67	16	37	1,4,31	-	0.83	21	-31	11	29	15	6	0	0	1	4	0	0	5.77	+0.48	36S	
	Boghall	999	639	57.8	42.4	50.1	-	67	16	33	4	51.3	46.9	0.91	23	-	12	29	15	4	0	0	0	6	1	-	5.50	-	34	
Liberton	Liberton	999	190	57.7	43.1	50.4	-	68	16	35	4,5	-	1.03	26	-	16	29	14	6	0	0	0	0	-	-	-	-	-		
	Univ. King's B.	999	225	56.9	43.5	50.2	-	67	16	35	1,4	52.7	48.2	0.95	24	-	15	29	14	5	0	0	0	0	-	-	-	-		
E. Lothian.	Dunbar	999	75	53.5	43.8	48.7	-	62	14	37	31	-	1.32	33	-	9	29	10	5	0	0	0	5	1	0	5.93	-	37		
	N. Berwick	999	118	56.1	43.1	49.6	-	63	19	37	2	-	1.60	41	-7	15	29	15	10	0	0	0	0	4	0	0	5.84	-	35	
Berwick.	Marchmont	999	498	57.1	40.6	48.9	+0.5	66																						

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, MAY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER							BRIGHT SUNSHINE					
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.				
			A Max.	B Min.		Maximum	Date	Minimum	Date						0.2 mm. or more	1 mm. or more							Daily Mean	Difference from Average					
8b. ENGLAND, S.W.—cont.	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.								hr.	hr.	%				
Dorset. Holton Heath ..	9 9 9	64	62.8	44.1	53.5	+0.8	75	18	32	29	56.3	53.3	0.53	13	-	6	16	9	3	0	0	0	2	0	5	0	6.49	-0.59	42
Portland Bill ..	18-7 7	32	57.7	48.1	52.9	+1.0	70	7	42	2,21,29	-	-	0.46	12	-24	5	25	4	3	0	0	0	0	0	0	0	-	-	-
Devon. Shaftesbury ..	9 9 9	722	60.5	44.4	52.5	+0.4	69	19	37	21,31	-	-	0.51	13	-41	5	16	6	3	0	0	1	1	-	-	-	-	-	
Arlington ..	9 9 9	613	60.6	44.2	52.4	+0.7	75	18	35	2,3,29	-	-	0.82	21	-52	8	16	11	9	0	0	1	0	0	0	0	-	-	-
Cullompton ..	9 9 9	202	64.9	44.5	54.7	+0.8	77	18	33	2,3	57.0	-	0.65	17	-38	7	16	5	5	0	0	1	0	5	0	6.30	-0.39	41	
Ilfracombe ..	9 9 9	25	59.4	48.0	53.7	+0.4	73	18	42	2,3	56.6	53.5	0.74	19	-31	11	16	8	4	0	0	0	0	0	0	0	6.98	+0.43	45
Killerton ..	9 9 9	159	63.5	44.0	53.7	+0.2	77	18	32	29	-	-	0.43	11	-	7	16	2	2	-	-	-	0	0	0	0	-	-	-
Moretonhampstead ..	9 9 9	798	58.1	43.6	50.9	-	72	18	35	29	52.0	48.0	1.37	35	-	9	24	9	8	0	0	1	1	1	7	0	6.00	-	39
Newton Abbot ..	9 9 9	375	61.3	45.4	53.3	-	71	19	37	29,31	-	-	1.04	26	-23	12	24	6	5	0	0	1	1	0	0	0	5.89	-	38
Paignton ..	9 9 9	12	61.0	47.2	54.1	+0.1	70	18,19	38	2	-	-	0.69	23	-	8	23	6	4	0	0	1	0	0	0	0	6.83	+0.04	44
Plymouth (Hoe) ..	2121 9	117	61.6	48.1	54.9	+1.3	75	18	40	2,29	57.5	53.0	0.60	15	-38	5	24	6	5	0	0	0	0	0	0	0	6.09	+1.31	53
Plymouth (Mount Batten) ..	18-7 7	82	60.6	48.0	54.3	+1.6	74	18	38	2	-	-	0.58	15	-	7	24	6	5	0	0	0	0	0	0	0	6.09	+1.58	53
Princetown ..	9 9 9	1430	57.3	42.0	49.7	+0.4	69	19	35	21,31	-	-	1.03	26	-83	6	31	10	8	0	0	0	0	2	1	-	-	-	
Sidmouth ..	9 9 9	25	-	46.4	-	-	-	-	38	2,29	-	-	0.78	20	-	6	16	8	7	0	0	0	0	0	0	0	6.67	-	44
Tavistock ..	9 9 9	457	62.0	44.8	53.4	+0.5	75	18	33	2	-	53.8	0.54	14	-53	4	15	10	5	0	0	0	0	0	0	0	4	0	-
Teignmouth ..	9 9 9	20	60.7	48.0	54.3	+0.2	71	19	39	2,29	-	-	0.76	19	-28	7	16	4	3	0	0	0	1	0	0	0	6.60	-0.10	43
Torquay ..	9 9 9	27	60.9	47.5	54.2	+0.1	71	18,19	38	2	-	52.7	0.95	24	-24	8	23	6	3	0	0	0	0	0	0	0	7.11	-0.08	46
Cornwall. Falmouth Obs. ..	9 9 9	167	59.6	48.0	53.8	+0.8	70	19	43	2,29,31	56.0	53.7	1.27	32	-24	6	15	10	8	0	0	2	0	0	0	0	6.66	-0.08	45
Fowey ..	9 9 9	51	62.0	47.6	54.8	+0.9	72	19	38	2	-	-	1.00	25	-	6	24	9	8	0	0	0	0	0	0	0	7.43	+1.02	48
Gulval ..	9 9 9	20	60.6	45.2	53.0	-	72	18	38	2,29	-	-	1.07	27	-	6	23	9	7	0	0	1	0	0	0	0	7.00	-	46
The Lizard ..	18-7 7	240	57.9	47.6	52.7	-	66	7,19	41	31	-	-	0.69	23	-	11	23	6	5	0	0	0	0	0	0	0	0	-	-
Newquay ..	9 9 9	190	57.5	47.5	52.5	+0.2	69	19,26	37	29	54.4	51.1	1.07	27	-15	8	17	10	7	0	0	0	1	0	0	0	7.17	+0.34	47
Redruth ..	9 9 9	397	58.2	45.6	52.0	-0.5	71	18	39	3,29	-	-	1.50	38	-21	8	17	9	7	0	0	0	0	0	0	0	-	-	
9. IRELAND, N.																													
Sligo. Markree Cas. ..	2121 9	122	60.2	41.6	50.9	+0.2	68	20	33	13,21,31	52.7	48.6	1.75	44	-26	8	14	13	11	0	0	0	0	0	0	0	6.26	+0.74	39
Mayo. Blacksod Pt. ..	18-7 7	18	55.2	46.2	50.7	-	65	26	43	1,31	-	-	2.39	61	-11	25	14	13	10	0	0	2	0	0	0	0	2	-	-
Mallaranny ..	9 9 9	113	58.7	45.4	52.1	+0.8	69	26	40	31	-	-	1.85	47	-	12	14	9	8	-	-	-	0	0	0	0	7.42	+1.82	47
Donegal. Malin Head ..	18-7 7	84	54.2	46.1	50.1	+1.4	63	3	39	13	-	-	0.85	22	-	5	29	15	8	0	0	2	0	0	0	0	6.49	+0.18	40
Antrim. Aldergrove ..	18-7 7	238	59.0	43.5	51.3	-	68	26	35	31	-	-	1.30	33	-25	8	24	13	9	0	0	1	0	1	3	0	6.75	-	42
Down. Donaghadee ..	8 8 8	40	55.3	44.2	49.7	0.0	60	8	39	14	-	-	1.89	48	-10	16	16	15	8	-	-	-	0	0	0	0	6.86	-	43
Hillsborough ..	9 9 9	388	57.1	42.7	49.9	-	66	10	36	21,23	50.6	-	1.28	33	-	9	14	11	8	0	0	0	0	0	5	0	6.14	-	38
Armagh. Armagh ..	2121 9	204	59.6	43.3	51.5	+0.5	70	26	33	31	53.2	49.5	1.56	40	-21	11	5	12	8	0	0	1	0	0	5	0	5.63	+0.14	35
Longford. Newtownforbes ..	2121 9	154	61.3	42.5	51.9	+1.2	72	26	32	31	52.4	48.9	1.24	31	-35	13	14	7	7	0	0	0	0	0	0	0	-	-	
10. IRELAND, S.																													
Dublin. Balbriggan ..	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dublin City ..	2121 9	54	58.3	46.8	52.5	-0.4	66	26	38	31	-	-	1.18	30	-22	15	5	11	6	0	0	1	1	0	0	0	-	-	
Glassevin ..	2121 9	55	58.9	42.4	50.7	-0.4	67	26	33	2	-	-	1.33	34	-19	13	5	11	7	0	0	1	0	0	5	0	-	-	
Phoenix Pk. ..	2121 9	155	58.6	41.6	50.1	-0.1	67	26	33	2	-	-	1.11	28	-25	14	5	13	8	0	0	1	1	1	0	0	6.23	+0.20	39
Trin. Coll. ..	2121 9	13	58.3	45.9	52.1	-0.2	66	19,20,26	38	31	54.2	50.6	1.14	29	-20	14	5	9	7	0	0	0	0	0	0	0	0	-	-
Hazelhatch ..	9 9 9	366	58.5	41.6	50.1	-	65	11,19	35	31	53.8	50.3	1.15	29	-	15	6	10	7	-	-	-	0	0	0	0	5.87	-	37
(Peamount San.)																													
Rathfarnham ..	9 9 9	169	57.4	43.5	50.5	-	64	26	35	3,31	51.7	-	1.34	34	-	16	5	14	8	0	0	1	3	0	0	0	5.94	-	38
Wicklow. Newcastle ..	2121 9	256	56.9	43.2	50.1	-0.8	65	11,27	38	4,31	-	-	1.43	36	-	20	5	13	5	0	0	0	0	1	-	-	-	-	
Offaly. Birr Castle ..	18-7 7	173	61.2	42.2	51.7	+0.8	71	26	33	31	52.3	49.0	0.98	25	-31	10	14	10	6	0	0	1	0	2	11	0	6.32	+0.70	40
Waterford. Seskin, Carrick-on-Suir ..	2121 9	535	60.3	43.7	52.0	+0.6	71	26	37	31	-	-	1.60	46	-	27	14	11	7	0	0	2	2	0	1	0	6.81	+0.29	44
Waterford ..	9 9 9	137	61.3	45.3	53.3	+0.8	71	26	37	31	-	-	1.45	37	-21	16	14	10	4	0	0	0	1	4	0	-	-		
Limerick. Foynes ..	9 9 9	43	60.8	44.3	52.5	0.0	70	26	38	3,16,17	-	-	1.10	29	-31	7	5	8	7	-	-	-	-	-	-	-	-		
Kerry. Valentia Obs. ..	242424	30	57.9	46.9	52.4	+0.1	67	26	41	2	54.7	52.0	2.06</																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of MAY, 1936

Table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Radnor, Glamorgan, Somerset, Dorset, Devon, Cornwall, Sligo, Mayo, Donegal, Antrim, Armagh, Dublin, Offaly, Waterford, Kerry, Cork, Selly, Guernsey, GIBRALTAR, and MALTA.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvred screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS.

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JUNE, 1936.—Frequent thunderstorms in England, Wales and parts of Ireland.

The month was distinguished by frequent and sometimes severe thunderstorms particularly in England, Wales and parts of Ireland. Considerably less than the average rain occurred, however, in most of Scotland (especially the northern half), in south-west Ireland and parts of south-west England. Abundant sunshine was enjoyed in the east and extreme north of Scotland.

A secondary depression developed over the Hebrides on the 1st and moved southward to the Bristol Channel and then across England to Germany. Conditions were cool generally and very unsettled weather prevailed for a time in England with local thunderstorms but in Scotland and Ireland rainfall was mostly slight after the 1st. A wedge of high pressure moving south-east gave a mainly fair day on the 5th, though a little rain fell chiefly in the west and north. A period of rather unsettled weather ensued, with pressure high south-westward of the British Isles and depressions moving eastward across Iceland. Between the 11th and 13th a trough of low pressure crossed the British Isles, on the 14th and 15th a depression moved east over Scotland and on the 16th another disturbance approached the Hebrides.

On the 17th pressure began to rise over Scandinavia and later the high pressure extended its influence to Scotland. Meanwhile a depression developed off the coast of Portugal, moved northwards and dominated conditions over the southern half of the British Isles. Temperature rose generally and widespread, frequent and locally intense thunderstorms occurred in England, Wales and parts of Ireland. Local thunderstorms were also reported in the south of Scotland on the 21st and 22nd. Between the 25th and 27th pressure was relatively high over the British Isles and fair weather prevailed in many parts though rain was reported in south-east England and locally in the Midlands on the 25th and 26th. On the 28th a secondary depression moved north-east over northern France and subsequently northward over Britain; unsettled weather was renewed generally with widespread thunderstorms and torrential rain locally on the 29th and 30th.

Pressure and Wind.—Mean pressure slightly exceeded the average in the extreme north of Scotland and was somewhat below average at most places elsewhere.

A gale occurred locally in the north-west on the 14th and a mean hourly velocity of 42 m.p.h. was registered at South Shields on the 3rd. Among the highest speeds recorded in gusts were 60 m.p.h. at Sealton on the 21st and 56 m.p.h. at South Shields on the 3rd, at Bidston Observatory on the 15th and at Calshot on the 19th.

Temperature.—Mean temperature exceeded the average generally, the excess varying from 1.0°F. in Ireland, S. and the Channel Islands to 2.0°F. in Scotland, N.

The first week was unusually cool and some exceptionally low temperatures were recorded; on the 5th, temperature in the screen fell to 25°F. at Dalwhinnie, 26°F. at Braemar and at Balmoral, 27°F. at West Linton and 28°F. at Markree Castle (County Sligo) and on the 2nd, 29°F. was registered at Rickmansworth. Some low day maxima were also recorded; the value 46°F. at West Kirby on the 3rd was the lowest there in June since records began in 1904. The latter half of the month from the 17th or 18th to the 28th was, on the whole, much warmer than the average, the period 19th–22nd being notably warm. Maximum temperatures above 80°F. were recorded at many places in England on the 19th, 20th and 21st, while 89°F. was registered in London (Camden Square) on the 20th and 21st. In Scotland 87°F. was touched at Forres, 86°F. at Achnashellach and 85°F. at Ayr, Prestwick, Auchincruive, Colmonell and Nairn on the 21st and 86°F. at Ardtornish and 85°F. at Nairn on the 22nd. Although temperatures were not quite so extreme in Ireland, 78°F. was reached at Birr Castle on the 26th and 77°F. at Markree Castle and Aldergrove on the 21st. The nights as well as the days were very warm.

The extremes for the month were:—(England and Wales) 89°F. at London (Camden Square) on the 20th and 21st, 28°F. at Castleton on the 11th; (Scotland) 87°F. at Forres on the 21st, 25°F. at Dalwhinnie on the 5th; (Ireland) 78°F. at Birr Castle on the 26th and 28°F. at Markree Castle on the 5th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 124, the values for the constituent countries being England and Wales 151, Scotland 74, and Ireland 115. In England and Wales the excessive rainfall was almost general except in south-west England. More than twice the average occurred at numerous stations and more than three times the average at West Witton in Yorkshire. At Holyhead it was the wettest June since readings were first taken in 1871. In Ireland less than the average rainfall was confined to the south-west, County Mayo and a few rather isolated stations elsewhere. In Scotland rainfall was deficient on the whole, but more than the average occurred in parts of Argyllshire and in small areas in the extreme south.

The month was remarkable for the heavy rains which occurred at times chiefly during thunderstorms. Among heavy falls in 24 hours or less were:—

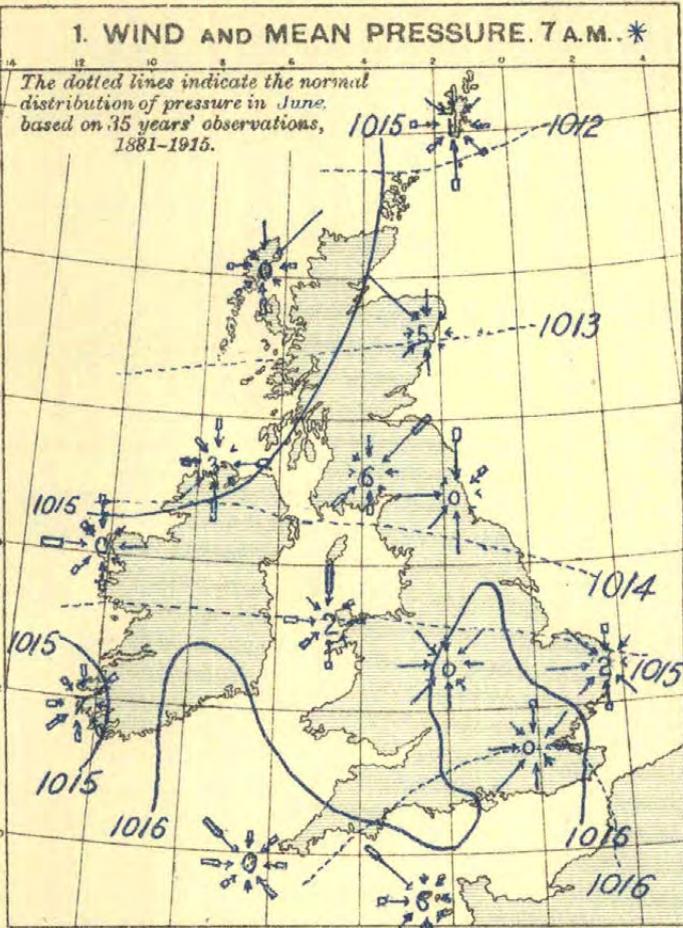
19th	56 mm. at Hailsham, Sussex.
20th	101 mm. at Ciliau Aeron (Cardigan) and 20 mm. in 26 minutes at South Farnborough.
21st	101 mm. at St. Albans, 80 mm. at Rothamsted mainly in two periods of half-an-hour, and 13 mm. in 10 minutes at Sealton.
22nd	54 mm. at Wigan, 53 mm. at Castle Kennedy (Wigtownshire) and 51 mm. at Chipperkyle (Kirkcudbrightshire).
25th	59 mm. in 1½ hours at Ashbourne (Derbyshire).
29th	79 mm. at Bodmin, 61 mm. at Blaenau Festiniog (Merioneth) and 51 mm. at Horfield (Bristol) and Auchincruive (Ayrshire).
30th	81 mm. in three hours at Florencecourt (County Fermanagh).

Thunderstorms were unusually frequent; at numerous places in England they were reported on eight days and at many more on seven days. The thunderstorms were in some cases accompanied by sudden increases of wind and by heavy hail, which damaged market-garden crops, fruit and trees. On the 20th, several hailstones which fell at Horfield, Bristol, measured 1½ inches by 1½ inches, at Malvern, hailstones measured 1¼ inches in diameter and at South Farnborough they were described as the size of cherries or blackbirds' eggs. In thunderstorms on the 21st hailstones at Chester exceeded one inch in diameter and at Rothamsted some measured nearly an inch in diameter. Descriptions of a few notable thunderstorms are given in the "Meteorological Magazine" for July 1936.

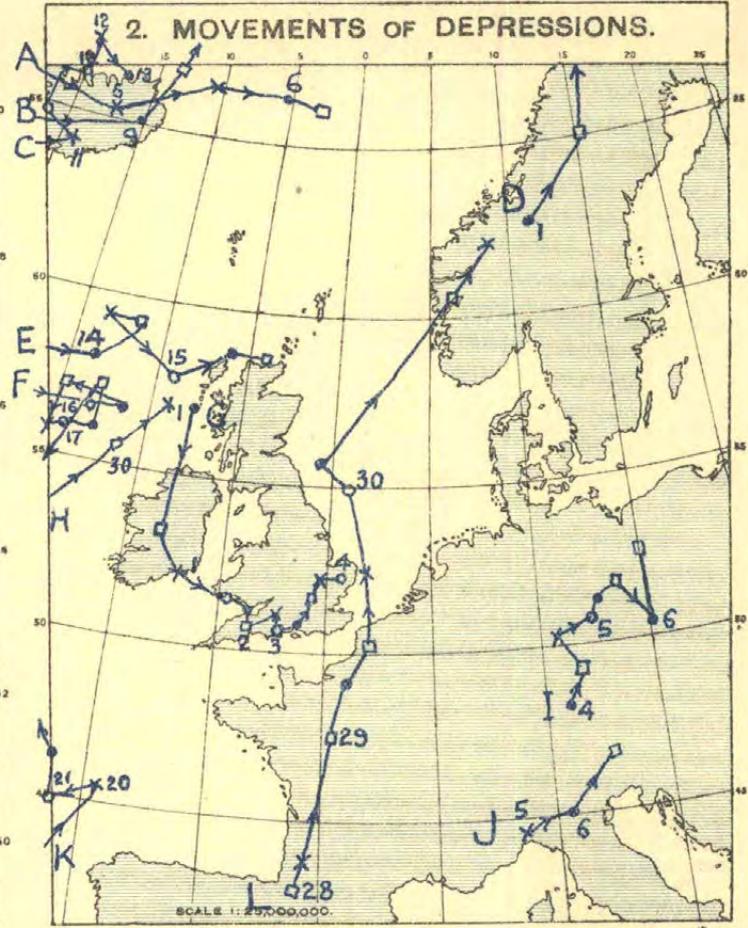
Sunshine.—The excess of bright sunshine in the east and extreme north of Scotland was exceptional. At Aberdeen, Craibstone, Stonehaven and Montrose the daily average exceeded 9 hours and at Aberdeen the total, 274 hours, was the highest monthly total ever recorded there in a record which goes back to 1881. Deerness, with 262 hours, enjoyed the sunniest month in the Orkneys since observations began in 1880. On the other hand, in the extreme south-west of Scotland, in the western districts of England and the Midlands there was a marked deficiency of sunshine.

Fog.—Fog was reported at times, particularly on the south-west coasts from the 8th–11th and 20th–22nd. It occurred more generally between the 23rd and 27th and locally at times outside these periods.

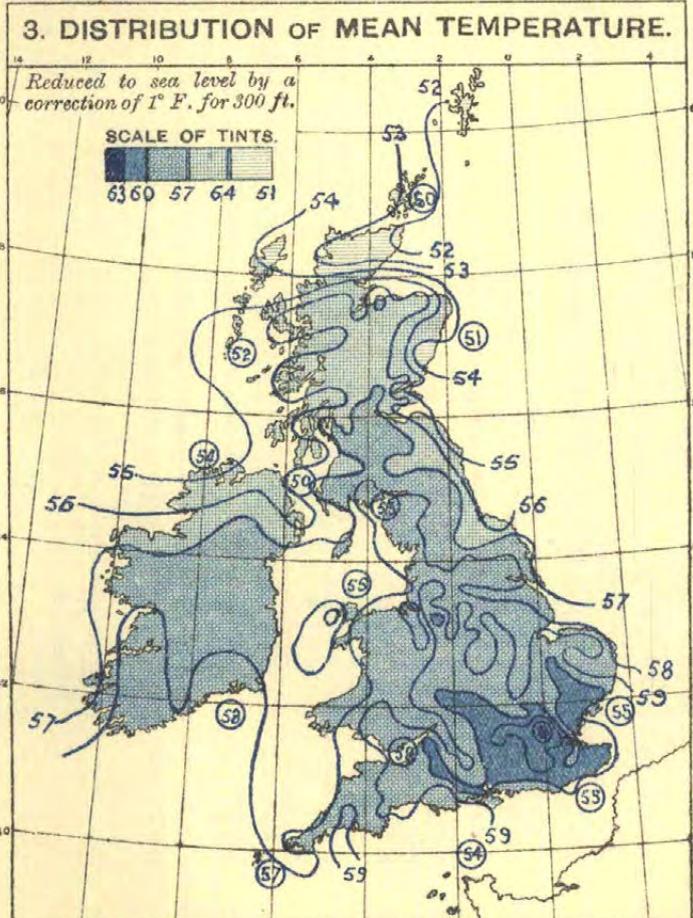
Miscellaneous Phenomena.—Solar halos were noted at Oxford on 16 days. A mirage was seen off the south coast between Bexhill and St. Leonards on the 17th.



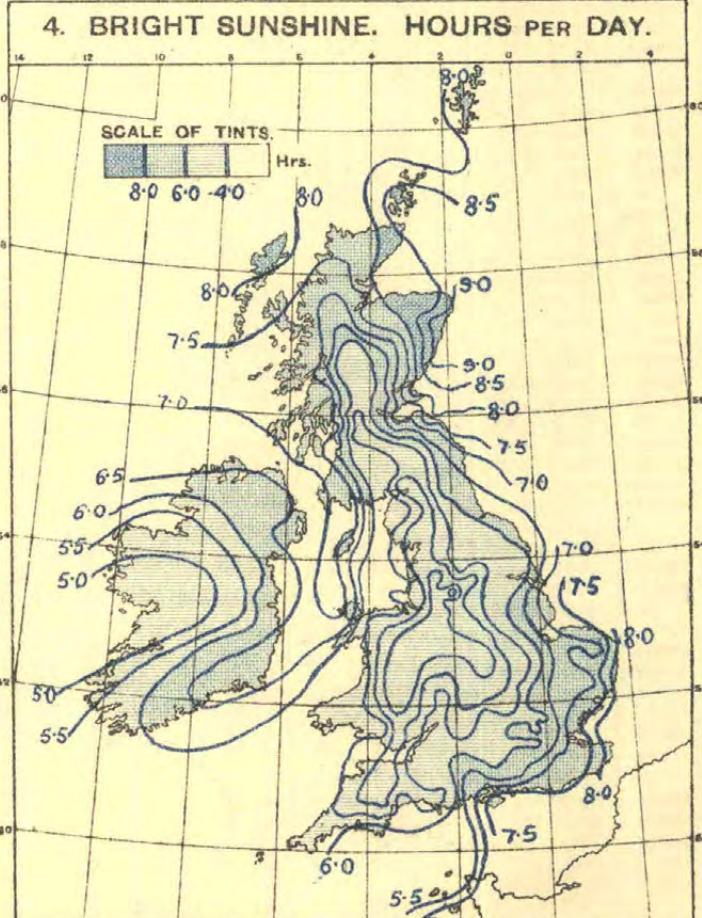
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG GALE
 30 Observations = 1 Inch



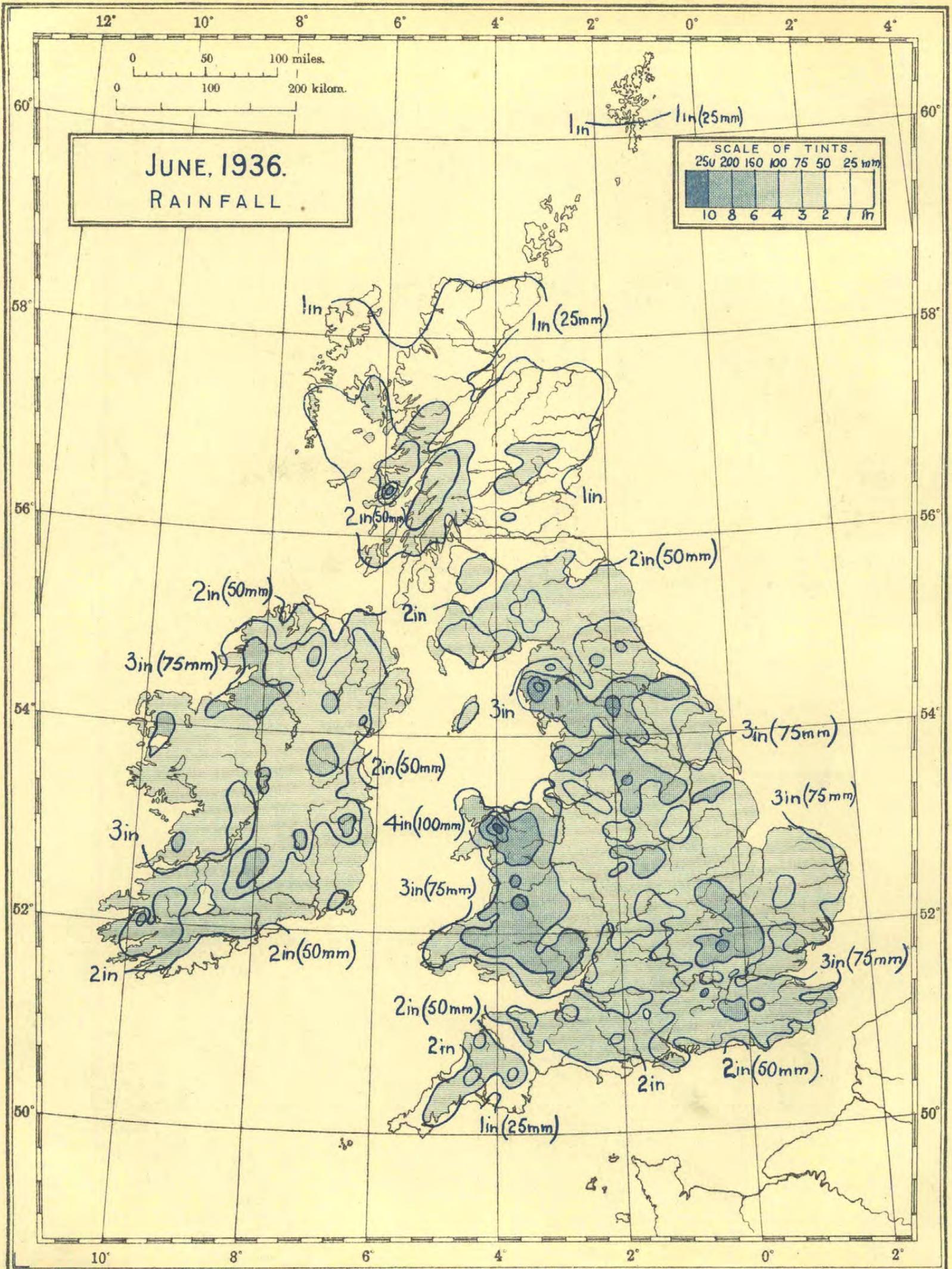
Positions of centres are shown thus: O at 1hr; ● at 7hr; □ at 13hr; X at 18hr.



Sea temperatures are shown in large figures, thus (54)



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps 479/3105. No. 224. D.17. Sp. 908. 925. 736

The equivalent values in mm. are given in round numbers. The exact relation is 10 in = 254 mm. 1 in.

TABLE III.—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, and of WEATHER OBSERVATIONS, JUNE, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT										Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE						
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n more or less than 0.2 mm. or 1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.						
			A Max.	B Min.		Maximum	Date	Minimum	Date					Amount	Date									Daily Mean	Difference from Average							
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%				
0. SCOTLAND, N.																																
Shetland.	Baltasound	9 9 9	31	57.6	45.0	51.3	+2.6	72	23	33	3	52.5	-	0.56	14	-36	3	5	13	5	0	0	0	0	0	0	0	0	0	8.15	+3.29	43
	Lerwick	18-7 7	156	55.5	46.7	51.1	+2.6	71	23	38	1,2	0.87	22	-20	7	2	10	6	0	0	0	2	0	2	0	0	0	0	7.99	+2.54	43	
Orkney.	Deerness	2121 9	160	57.5	46.7	52.1	+1.9	71	23	37	1	1.50	38	-9	11	14	12	7	0	0	0	0	0	0	0	0	0	0	8.74	+3.58	48	
	Kirkwall	9 9 9	113	59.0	47.0	53.0	+2.9	72	22	37	2,3,5	53.1	-	1.37	35	-14	9	14	12	11	0	0	0	0	0	0	0	0	8.68	+3.52	48	
Hebrides.	Skallary	101010	30	60.3	49.4	54.9	-	80	22	39	1,5	2.05	52	-	10	15	17	13	0	0	0	2	0	0	0	0	0	0	0	0	0	
	Stornoway (C.G.)	18-7 7	80	59.5	47.3	53.4	+2.2	75	21	35	3,4	0.91	23	-	6	30	12	5	0	0	0	0	0	0	0	0	1	8.04	+2.45	45		
	Stornoway	9 9 9	30	60.3	47.9	54.1	-	82	21	38	1	1.67	42	-	15	9	12	10	0	0	0	0	0	0	0	0	0	0	7.84	-	44	
Skye.	Duntulm	9 9 9	294	56.6	45.2	50.9	+1.2	62	24,26	32	5	1.11	28	-18	6	9	11	6	0	0	0	0	0	2	0	0	0	0	0	0		
Caithness.	Wick	18-7 7	81	56.6	45.2	50.9	+1.2	62	24,26	32	5	1.63	41	-64	9	8	12	12	0	0	0	0	0	0	0	0	0	0	0	0		
Ross & Cromarty.	Achnashellach	9 9 9	225	65.8	45.6	55.7	-	86	21	32	5	0.81	21	-	8	29	10	6	0	0	0	0	1	1	0	0	0	7.26	+1.23	41		
	Fortrose	9 9 9	69	64.4	48.3	56.3	+2.6	77	20	39	2,3,5	1.26	32	-	9	30	10	8	0	0	0	0	0	0	0	0	0	7.00	-	34		
Inverness.	Dalwhinnie	18-7 7	1176	63.5	42.0	52.7	-	84	22	25	5	0.98	25	-27	6	1	11	7	0	0	0	0	0	0	0	0	0	5.95	-	34		
	Ft. Augustus	9 9 9	68	65.3	46.2	55.7	+2.2	84	21	32	5	0.98	25	-27	6	1	11	7	0	0	0	0	0	0	0	0	0	6.16	-	35.8		
	Ft. William	9 9 9	34	64.8	48.0	56.3	+2.3	84	21	35	5	56.7	51.8	2.51	64	-24	17	16	15	10	0	0	0	0	0	0	0	7.07	-	40.8		
	Inverness	9 9 9	242	63.9	48.4	55.1	+1.2	83	21	34	5	0.95	24	-24	7	29	10	7	0	0	0	1	2	0	1	0	0	7.69	+2.09	43		
1. SCOTLAND, E.																																
Nairn.	Nairn	9 9 9	20	64.8	46.4	55.6	+2.2	85	21,22	33	5	1.01	26	-19	7	29	12	7	0	0	0	0	0	0	0	0	0	7.72	+2.09	43		
Moray.	Forres	9 9 9	155	66.8	46.5	56.7	-	87	21	34	5	1.72	44	-	7	9	11	10	0	0	0	0	1	0	0	0	0	8.48	-	48		
	Gordon Castle	2121 9	104	65.2	46.6	55.9	+2.0	83	21	35	5	1.52	39	-13	10	1	11	9	0	0	0	0	1	0	0	0	0	8.01	+2.23	45.8		
Banff.	Banff	9 9 9	130	63.9	48.0	55.9	+3.4	80	21,22	36	5	1.56	40	-5	17	1	8	6	0	0	0	1	1	0	0	0	0	8.43	+2.38	47		
Aberdeen.	Aberdeen	242424	79	60.3	47.5	53.9	+1.0	73	9	35	5	55.2	50.3	0.84	21	-22	5	7	10	7	0	0	0	0	0	0	0	9.12	+3.09	52		
	Balmoral	9 9 9	927	63.9	40.9	52.4	+0.7	78	21	26	5	1.10	28	-15	9	29	12	8	0	0	0	0	0	0	0	0	0	0	0	0		
	Braemar	2121 9	1111	64.2	41.6	52.9	+1.5	81	21	26	5	0.97	25	-25	9	29	10	7	0	0	0	0	0	0	0	0	0	6.59	-	37.8		
	Craibstone	9 9 9	300	62.3	44.9	53.6	-	74	9	36	1,3,5	53.9	49.2	1.28	33	-13	7	7	10	8	0	0	0	1	0	0	0	0	9.46	-	53	
	Logie Coldstone	9 9 9	608	65.7	42.2	53.9	+1.0	78	21	30	5	1.49	38	-12	8	1,29	13	9	0	0	0	1	0	0	0	0	0	0	0	0		
Kincardine.	Balmakewan	9 9 9	80	61.4	45.2	53.3	-	72	9	35	3,5	1.23	31	-13	13	30	9	7	0	0	0	0	0	0	0	0	0	0	0	0		
	Stonehaven	9 9 9	12	61.4	45.2	53.3	-	72	9	35	3,5	0.85	22	-	7	29	10	7	0	0	0	0	0	0	0	0	0	9.12	-	52		
Angus.	Arbroath	2121 9	93	63.8	45.7	54.7	+1.4	78	21	31	5	0.46	12	-30	7	30	6	4	0	0	0	0	0	0	0	0	0	8.24	-	51		
	Carnoustie	9 9 9	39	62.7	47.3	55.0	+1.7	73	21	36	5	0.68	17	-29	6	29	9	6	0	0	0	0	0	0	0	0	0	8.23	+1.52	47		
	Dundee	9 9 9	147	64.2	47.4	55.8	+2.6	74	21,23	36	3	57.4	-	1.80	41	-2	21	29	10	7	0	0	1	0	0	0	0	7.47	+1.01	43		
	Kettins	9 9 9	218	65.9	44.1	55.0	+0.0	79	21	30	3	58.2	-	1.89	48	-5	23	29	10	7	0	0	0	0	1	5	0	0	0	0		
	Montrose	9 9 9	16	61.0	44.9	52.9	+0.4	70	9	32	2	0.87	22	-	8	29	8	5	0	0	0	0	0	0	0	0	0	9.07	+2.40	52		
Perth.	Crieff	2121 9	478	64.6	45.3	54.9	+0.4	79	26	33	3	1.87	47	-20	12	29	14	8	0	0	0	0	0	0	0	0	0	0	0	0		
	Perth	9 9 9	76	68.0	45.6	56.8	+1.3	81	21,26	31	2,3,5	1.79	45	-5	15	29	9	8	0	0	0	0	0	0	0	0	0	6.84	+0.02	39		
Fife.	Cupar	9 9 9	210	64.3	46.6	55.5	+2.2	75	24	34	5	1.24	31	-	19	29	10	6	0	0	0	0	0	0	0	0	0	0	0	0		
	Dunfermline	9 9 9	237	64.4	47.6	56.0	-	76	21	34	5	57.9	52.8	1.08	27	-	20	29	9	5	0	0	0	2	0	1	0	6.73	-	39		
	Inchkeith	18-7 7	190	61.2	48.7	54.9	+2.3	74	24	40	1,10	1.73	44	+4	20	30	9	5	0	0	0	1	1	0	0	0	0	7.24	-	42		
	Kirkcaldy	9 9 9	63	64.1	48.1	56.1	+0.8	76	24	36	5	1.08	27	-	15	29	8	6	0	0	0	0	0	0	0	0	0	0	0	0		
	Leuchars	18-7 7	36	63.2	46.0	54.8	+2.2	72	23,24	33	5	1.56	40	-2	14	29	8	6	0	0	0	0	0	0	0	0	0	8.08	+1.23	46		
	St. Andrews	9 9 9	13	62.2	46.7	54.5	+0.6	73	23	34	5	56.5	51.0	1.53	39	-6	24	29	10	7	0	0	0	0	0	0	0	8.19	+1.54	47		
Mid Lothian.	Edinburgh—																															
	Blackford H.	2121 9	441	62.8	48.6	55.7	+1.9	75	24	40	1	1.28	33	-18	21	29	13	5	0	0	0	0	0	0	0	0	0	7.04	+0.73	40.8		
	Boghall	9 9 9	639	64.0	46.7	55.3	-	76	19,26	35	5	57.3	51.6	1.78	45	-	21	29	11	5	0	0	1	0	1	1	0	6.47	-	37		
	Liberton	9 9 9	190	64.7	47.3	56.0	-	77	24	34	5	1.46	37	-	23	29	8	5	0	0	0	1	0	0	0	0	0	0	0	0		
	Univ. King's B.	9 9 9	225	63.8	48.0	55.9	-	76	24	38	2	58.6	52.3	1.31	33	-	22	29	6	4	0	0	0	0	0	0	0	0	0	0		
E. Lothian.	Dunbar	9 9 9	75	61.5	48.5	55.0	-	72	11	39	2	1.11	28	-	20	29	6	3	0	0</												

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JUNE, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE								
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.								
			A Max.	B Min.		Mean of A and B	Maximum	Date													Minimum	Date		in.	mm.	mm.	mm.	0.3 mm. or more	1 mm. or more	hr.	hr.
6b. ISLE OF MAN.																															
Isle of Man.	Douglas	9 9 9	284	61.9	50.3	56.1	+2.6	77	21	41	1,2,5	-	-	3.37	86	+25	14	15	21	18	0	0	0	3	2	0	0	0	6.87	-0.38	40
	Point of Ayre	18-7 7	30	63.2	49.8	56.5	-	73	21	43	1	-	-	2.59	66	-	18	29	16	9	0	0	1	1	1	0	0	7.38	-	43	
2. ENGLAND, N.E.																															
Northumberland.																															
	Berwick-on-T.	9 9 9	76	60.0	48.2	54.1	-	68	9,24	39	1	-	-	1.06	27	-17	14	29	10	6	0	0	0	1	0	0	-	7.54	-	44	
	Bellingham	9 9 9	849	64.2	44.8	54.5	+2.4	80	21	34	1,5	-	-	1.72	44	-14	18	29	12	9	0	0	2	0	0	-	-	-	-	-	
	Cockle Park	2121 9	325	62.8	45.7	54.3	+1.0	71	18,19,21	35	1	55.1	52.2	2.94	75	+19	24	3	11	8	0	0	0	0	0	0	0	6.77	+0.62	39	
	Tynemouth	18-7 7	108	59.3	50.0	54.7	+0.5	71	9,24,25	41	1	-	-	2.90	74	+24	36	3	14	6	0	0	0	0	0	0	-	-	-	-	
Durham.																															
	Chopwellwood	9 9 9	446	64.2	46.7	55.5	+2.7	75	21	36	2	-	-	4.31	109	+45	41	3	11	8	0	0	1	3	0	-	6.38	+0.25	37		
	Durham	2121 9	336	64.2	46.1	55.1	+0.8	74	19,21	35	11	-	-	3.47	88	+40	38	3	12	10	0	0	1	1	0	4	0	6.05	+0.12	35	
	Houghall	9 9 9	160	66.4	46.2	56.3	-	76	9	32	11	-	-	3.57	91	-	43	3	12	11	0	0	1	1	0	5	0	6.08	-	36	
	Ushaw College	9 9 9	594	63.0	47.4	55.2	+0.9	72	9,24,28	37	1	-	-	3.81	97	+42	45	3	13	9	0	0	1	1	5	-	-	-	-		
Yorks., N. Riding.																															
	Ampleforth	9 9 9	313	64.4	48.0	56.2	+0.9	76	21	36	1,11	-	-	3.23	82	-	21	29	14	9	0	0	0	4	0	3	-	5.55	-	33	
	Castleton	9 9 9	450	64.5	43.8	54.1	-	78	21	28	11	55.0	-	4.73	120	-	41	3	12	11	0	0	2	1	2	-	-	-	-		
	Catterick	18-7 7	175	63.2	48.0	55.6	-	74	19,21	35	11	-	-	5.61	143	-	33	3	17	15	0	0	2	3	0	0	5.68	-	33		
	Scarborough	9 9 9	118	63.6	50.4	57.0	+2.3	75	23	41	1	-	54.8	2.12	54	+7	12	29	13	10	0	0	0	1	2	0	0	6.25	+0.19	37	
	York	2121 9	57	66.0	49.9	57.9	+0.8	81	21	38	1	56.9	52.4	3.51	89	+36	19	12	17	10	0	0	0	5	-	0	5.88	+0.01	35		
Yorks., E. Riding.																															
	Hull	2121 9	8	65.5	51.2	58.3	+2.0	77	17	39	1	57.8	51.5	2.98	76	+24	17	30	11	8	0	0	0	3	0	0	-	5.98	-	35	
	Spurn Head	18-7 7	29	62.1	51.3	56.7	+2.2	71	23,30	42	1	-	-	3.89	99	+54	29	2	12	11	0	0	0	3	0	0	0	7.30	+2.11	43	
Lincoln.																															
	Cranwell	18-7 7	240	67.0	49.1	58.1	+2.8	84	21	35	1	58.1	54.4	3.20	81	+38	22	19	17	14	0	0	0	4	0	1	0	6.01	-0.73	36	
	Cleethorpes	9 9 9	23	63.8	50.8	57.3	-	77	17,23	41	6	-	-	3.43	87	-	20	2	13	11	0	0	0	2	0	0	-	7.36	-	44	
	Skegness	9 9 9	15	63.2	51.1	57.1	+2.2	77	17	36	1	-	-	3.19	81	+35	20	12	14	12	0	0	0	4	0	0	-	7.25	+0.40	43	
3. ENGLAND, E.																															
Norfolk.																															
	Cromer	9 9 9	178	64.4	51.3	57.9	+2.4	81	21	39	1	-	-	2.89	68	+25	20	29	13	10	0	0	0	7	0	0	0	7.27	+0.81	44	
	Hunstanton	9 9 9	105	66.1	51.5	58.8	-	86	21	40	1,2,4	-	-	3.24	82	-	14	29	17	13	0	0	0	4	0	-	7.31	-	44		
	Norwich	9 9 9	110	68.4	50.8	59.5	+2.7	85	21	37	1,4	59.6	-	3.84	97	-	23	29	15	13	0	0	1	6	1	-	6.80	-0.04	41		
	Sproston	9 9 9	93	67.7	49.7	58.7	-	83	21	35	1	-	-	3.10	79	-	17	29	14	7	0	0	0	5	0	4	-	7.10	-	42	
	Terrington	9 9 9	13	68.4	50.1	59.3	-	88	21	37	1	-	-	3.39	86	-	17	12	17	11	0	0	0	4	0	0	-	6.84	-	41	
	Thetford	9 9 9	99	69.0	47.1	58.1	-	88	21	32	1	60.3	55.6	2.78	71	-	18	28	18	14	0	0	0	7	0	1	-	7.13	-	43	
	(Lynford Nursery)																														
	Yarmouth	18-7 7	5	62.4	52.7	57.5	+2.0	69	23,24	42	1	59.6	54.2	2.72	69	+24	33	29	11	8	0	0	0	5	0	0	0	7.98	+2.04	48	
Suffolk.																															
	Bungay (Flix'n)	9 9 9	79	67.4	49.5	58.5	+2.0	82	21	32	2	-	-	3.87	93	-	24	29	14	14	0	0	1	7	0	0	-	-	-	-	
	Copdock	9 9 9	164	68.9	50.9	59.9	+2.6	85	20	38	4	60.8	55.5	3.94	100	-	22	28	17	11	0	0	0	7	0	0	-	6.82	-0.18	41	
	Felixstowe	18-7 7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Hartest	9 9 9	250	69.1	49.8	59.3	-	85	20	36	4	-	-	2.96	75	-	16	23	19	16	0	0	0	4	0	0	-	6.80	-	41	
	Lowestoft	9 9 9	82	64.7	51.3	58.0	+2.2	76	21	38	1	60.9	56.1	2.39	81	+15	17	29	12	9	0	0	0	4	0	2	-	8.01	+2.04	48	
	Mildenhall	18-7 7	19	69.2	53.0	60.1	-	86	20,21	40	1,6	-	-	3.40	87	-	15	29	19	15	0	0	0	7	0	0	0	6.82	-	41	
Cambridge.																															
	Cambridge (Bot. Gdns.)	2121 9	41	69.4	50.2	59.8	+2.1	86	20	37	6	60.7	55.5	3.53	90	+36	35	21	18	12	0	0	0	5	0	0	0	6.57	-0.21	39	
	(Univ. Farm)	9 9 9	78	68.3	50.6	59.8	-	85	20	38	1	-	-	3.46	88	-	25	22	19	10	0	0	0	5	0	0	0	6.64	-	40	
Bedford.																															
	Luton	9 9 9	381	67.2	50.8	58.9	+2.7	83	20	39	1,3,6	61.2	54.5	3.71	94	-	20	21	16	13	0	0	0	5	0	0	-	6.32	-0.61	38	
	Woburn	9 9 9	291	66.9	48.9	57.9	+1.4	83	20	36	1,3	61.0	54.3	3.58	91	+41	17	13	16	13	0	0	0	8	0	1	-	5.63	-0.68	34	
Hertford.																															
	Rickmansworth	9 9 9	192	71.2	44.7	57.9	-	87	21	29	2	61.8	55.0	5.37	136	-	30	25	21	18	0	0	2	8	2	6	0	6.24	-	38	
	Rothamsted	9 9 9	420	65.9	50.5	58.2	+1.6	82	20	40	1,2,3	58.7	-	6.04	153	+97	80	21	19	14	0	0	0	5	0	0	0	6.09	-0.76	37	
	St. Albans	9 9 9	272	68.2	50.3	59.3	-	84	20	39	2,3,4	60.6	-	7.30	185	+133	101	21	17	15	0	0	1	6	0	0	-	-	-	-	
Essex.																															
	Clacton-on-S.	9 9 9	53	65.7	53.5	59.6	+2.2	75	20	39	4	60.8	56.1	3.68	93	+50	30	29	21	15	0	0	2	7	0	0	-	7.38	+0.20	45	
	Chelmsford	9 9 9	134	69.8	51.3	60.5	+3.0	86	20	37	4	-	-	3.79	96	+48	25	21	19	15	0	0	0	6	-	-	-	-	-		
	Chelmsford (Agr. St.)	9 9 9	193	69.2	50.4	59.8	-	82	20,21	37	4	-	-	3.19	81	-	16	21	18	16	0	0	0	4	-	2	-	6.82	-	41	
	Earls Colne	9 9 9	168	69.5	51.4	60.5	-	84	20	39	4	-	-	2.50	83	-	13	28	19	13	0	0	0	6	-	-	-	-	-		
	Halstead	9 9 9	140	69.6																											

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JUNE, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL					WEATHER Number of days							BRIGHT SUNSHINE								
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.									
			A	B		Maximum	Date	Minimum																Date	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	hr.	hr.
			Max.	Min.	Mean of A and B	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	hr.	hr.	hr.	hr.	hr.	hr.								
5. ENGLAND, S.E.—cont.																																
Hampshire.	Bournemouth	9 9 9	139	68.2	51.7	59.9	+2.2	81	20	40	1	58.3	56.4	1.58	40	-11	8	2	19	11	0	0	0	0	0	0	0	0	0	6.80	-0.79	42
	Calshot	18-7 7	8	66.4	52.6	58.5	+0.8	79	25	38	1	-	-	3.10	79	+37	18	18	16	13	0	0	2	7	0	0	0	1	6.91	-1.05	42	
	Leckford	9 9 9	385	66.7	50.4	58.5	-	82	20	37	1	58.0	-	2.30	58	-	11	26	17	10	0	0	0	0	0	0	0	0	6.01	-	37	
	Long Sutton	9 9 9	479	67.6	49.7	58.7	-	84	20	38	1	61.7	-	2.96	75	-	12	1	17	14	0	0	0	2	0	1	0	0	5.58	-	34	
	Southamp'n	2121 9	64	67.2	52.7	59.9	+0.6	80	19	39	1	-	-	3.17	81	+30	13	18	18	15	0	0	1	4	0	0	0	6.30	-1.00	38		
	S. Farnboro'	18 7 7	237	69.3	50.5	59.9	+2.0	86	20	36	1	-	-	4.51	115	+65	26	20	16	16	0	0	2	4	1	2	0	6.39	-0.94	39		
I. of Wight.																																
	Newport	9 9 9	48	69.8	50.6	60.2	-	83	20	34	1	-	-	3.97	101	-	26	18	17	14	0	0	1	6	0	0	-	-	-	-		
	Ryde	9 9 9	13	66.8	53.0	59.9	+1.2	79	24,25	41	1	-	-	3.04	77	-	27	18	16	12	0	0	4	0	0	0	0	7.43	-0.39	46		
	Sandown	9 9 9	13	65.4	52.8	59.1	+0.4	77	24	40	1	-	-	5.14	131	-	40	18	13	13	0	0	4	0	0	0	0	8.11	+0.07	50		
	Totland Bay	9 9 9	140	64.8	51.8	58.3	+1.0	79	19	39	1	-	-	3.23	82	+35	24	29	18	12	0	0	0	5	1	0	0	7.39	-0.28	45		
	Ventnor(Hospital)	9 9 9	59	65.4	52.8	59.1	+1.0	78	19	44	1,4	-	-	4.09	104	+57	24	18	15	13	0	0	0	5	-	0	0	7.73	+0.31	47		
Wilts.																																
	Amesbury (Boscombe Down)	18-7 7	417	66.5	50.3	58.4	-	83	20	35	1	-	-	1.32	46	-	9	12	15	10	0	0	1	4	1	0	0	6.25	-	38		
	Larkhill	9 9 9	440	66.3	49.7	58.0	+1.4	82	20	35	1	-	-	1.64	41	-8	9	12	15	9	0	0	1	4	1	2	0	-	-	-		
	Marlboro'	9 9 9	424	67.2	48.3	57.7	+1.7	82	21	33	1	58.6	53.6	2.80	71	+10	20	26	15	11	0	0	0	3	0	1	0	5.56	-0.50	34		
	Porton	9 9 9	363	67.1	48.3	57.9	+1.4	82	20	34	1	58.6	-	1.89	48	-1	10	26	16	11	0	0	0	4	0	1	0	6.57	-	40		
7a. ENGLAND, N.W.																																
Cumberland.	Keswick	9 9 9	254	65.4	50.3	57.9	+2.2	83	21	35	5	57.0	51.4	3.75	95	+21	24	3	11	10	0	0	0	1	0	1	0	5.84	-0.56	33		
	Newton Rigg	2121 9	560	65.8	47.1	56.5	+2.1	84	21	34	5	-	-	2.63	67	+11	25	29	10	10	0	0	1	1	0	4	0	5.24	-1.50	31		
Westmorland.	Ambleside	9 9 9	145	65.3	49.9	57.9	-	85	21	37	1,2	-	-	6.37	162	-	42	3	17	12	0	0	1	1	0	-	4.69	-	27			
	Appleby	9 9 9	440	65.4	48.8	56.1	+1.8	83	21	34	1,5,8	-	-	2.82	72	+14	26	29	15	10	0	0	1	1	-	-	-	-	-			
Lancashire.																																
	Bolton	9 9 9	342	65.1	50.7	57.9	+2.0	85	21	39	1	56.3	52.0	3.53	90	+15	21	29	15	13	0	0	0	3	-	0	0	4.61	-0.76	278		
	Burnley	9 9 9	458	64.1	48.9	56.5	+1.8	82	21	35	1	55.5	51.4	4.77	121	-	25	22	19	13	0	0	1	0	2	-	4.27	-1.38	25			
	Darwen	2121 9	724	65.9	49.1	57.5	+2.7	84	21	36	2	57.0	51.0	4.98	127	+40	27	22	21	16	0	0	0	4	2	0	0	4.50	-1.11	27		
	Hutton	9 9 9	82	65.0	50.5	57.7	+2.0	85	21	41	1	56.8	52.2	4.83	123	-	29	29	14	13	0	0	0	5	0	1	0	4.79	-1.77	28		
	Lancaster	9 9 9	312	66.7	50.5	58.6	+2.3	86	21	37	5	54.0	52.4	3.33	85	+20	25	14	16	12	0	0	0	2	1	0	0	4.64	-1.74	27		
	Leyland	9 9 9	125	65.3	48.9	57.1	+1.6	84	21	34	1	-	-	4.82	122	+59	22	30	18	13	0	0	0	5	0	1	-	4.77	-1.75	28		
	Manchester (Barton)	18-7 7	70	65.9	49.9	57.9	-	85	21	34	1	-	-	3.67	93	-	18	12	15	12	0	0	0	4	1	1	0	4.95	-	29		
	(Oldham Road)	2121 9	191	67.6	53.9	60.7	+2.6	88	21	41	1	59.1	54.9	3.10	79	+11	17	29	13	11	0	0	0	3	-	0	0	4.25	-0.94	258		
	(Whitworth Pk.)	2121 9	125	66.3	52.1	59.2	+1.9	86	21	40	1	-	-	3.43	87	+20	19	22	15	12	-	-	-	0	-	-	3.91	-1.34	23			
	Southport (Bedford Rd.Pk.)	9 9 9	35	64.7	51.1	57.9	+1.8	84	21	38	2	59.3	54.9	5.30	135	+80	25	29	14	11	0	0	1	5	0	0	0	5.63	-1.54	33		
	Stonyhurst	9 9 9	377	64.3	50.1	57.2	+1.7	82	21	38	1	-	-	3.55	90	+12	21	29	17	14	0	0	0	4	0	0	0	4.78	-1.28	26		
Cheshire.																																
	Bidston Obs'y	9 9 9	198	63.5	51.5	57.5	+1.0	83	21	41	1	-	-	4.26	108	+52	22	30	15	14	0	0	1	6	0	0	0	5.29	-1.50	31		
	Hoylake	9 9 9	23	65.7	50.8	58.1	+1.0	83	20,21	40	2	-	-	3.72	95	+41	17	22	16	12	0	0	1	4	-	0	0	5.45	-1.45	32		
	Macclesfield	9 9 9	500	65.9	51.0	58.5	+2.8	83	21	38	1	-	-	2.33	59	-11	16	12	17	13	0	0	1	2	0	-	-	-	-			
	West Kirby	9 9 9	25	65.2	51.7	58.5	-	85	21	41	2	-	-	3.50	89	+33	21	21	18	13	1	0	6	5	0	0	-	5.58	-	34		
7b. NORTH WALES.																																
Flint.	Hawarden B'dge	9 9 9	17	65.6	50.9	58.2	+1.0	82	20	38	2	-	-	4.07	103	-	36	21	18	14	0	0	3	6	0	-	-	-	-			
	Rhyl	9 9 9	31	65.2	51.1	58.1	+1.6	84	20	39	1	-	-	3.58	91	+41	21	3	14	11	0	0	2	4	0	0	0	5.75	-1.36	34		
	Sealand	18-7 7	16	65.6	49.6	57.6	+1.5	83	20,21	37	2	57.3	52.8	4.34	110	+56	34	21	17	15	0	0	2	6	1	0	1	5.04	-1.43	30		
Anglesey.	Holyhead	18-7 7	26	60.4	51.0	55.7	+1.0	73	20,21	43	1	-	-	4.99	127	+72	26	21	20	16	0	0	0	5	1	0	0	7.17	-0.16	43		
Denbigh.	Colwyn Bay	9 9 9	118	64.7	52.0	58.3	+1.5	82	20	41	1	-	-	3.50	89	+35	27	21	17	12	0	0	1	2	1	-	5.99	-0.94	36			
Carnarvon.	Aber	9 9 9	60	64.6	51.5	58.1	-	82	20	43	1	-	-	4.69	119	-	25	28	19	15	0	0	0	7	-	0	0	5.39	-	32		
	Llandudno	9 9 9	13	63.6	52.6	58.1	+1.5	82	20	43	1	-	-	3.21	81	+33	19	2	15	13	0	0	0	3	0	0	0	6.81	-1.26	35		
Montgomery.	Welshpool	9 9 9	254	66.2	49.8	58.0	+1.7	81	20	40	1,3	-	-	3.62	92	+36	25	21	17	13	0	0	0	4	1	-	-	-				
8a. SOUTH WALES.																																
Cardigan.	Aberystwyth	9 9 9	12	62.6	52.3	57.5	+1.1	82	20	43	2	-	-	3.42	87	-	30	21	17	9	0	0	1	4	0	-	5.97	-0.45	36			
	" P.B.S.†	9 9 9	452	61.8	50.4	56.1	-	81	20	41	2	-	-	3.81	97	-	33	21	19	11	0	0	1	4	0	0	0	5.93	-	35		
	Ciliau Aeron	9 9 9	252	64.8	49.0	56.9	-	82	20	3																						

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JUNE, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE						
			Means of		Difference from Average		Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'u	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day							
			A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date								0.2 mm. or more	1 mm. or more	0.2	0.4	Daily Mean	Difference from Average	Per Cent.	
8b. ENGLAND, S.W.—cont.																															
Dorset.	Holton Heath	9 9 9	64	66.8	49.4	58.1	+0.8	78	19, 20, 25	35	1, 3	62.1	58.4	3.95	100	-	45	18	15	8	0	0	1	4	0	0	0	5.25	-2.64	32	
	Portland Bill	18-7 7	32	61.0	53.1	57.1	+0.3	71	19	46	1, 3, 5	-	-	2.16	55	+18	21	19	12	7	0	0	0	2	2	-	0	-	-	-	
	Shaftesbury	9 9 9	722	65.4	50.9	58.1	+1.9	79	20	39	1	-	-	2.39	61	+ 2	14	1	15	10	0	0	0	4	-	-	-	-	-	-	
Devon.	Arlington	9 9 9	613	64.4	49.1	56.7	+1.1	77	20	37	1	-	-	3.06	78	- 6	11	14	17	16	0	0	1	3	-	0	-	-	-	-	
	Cullompton	9 9 9	202	69.4	50.6	60.0	+1.9	82	25	36	1	61.3	-	1.77	45	- 9	9	13	16	12	0	0	1	4	0	1	-	4.84	-2.39	29	
	Ilfracombe	9 9 9	25	63.1	53.0	58.1	+0.8	79	20	45	1, 2	60.6	56.7	1.94	49	- 4	13	1	16	10	0	0	2	1	0	-	5.48	-1.88	33		
	Killerton	9 9 9	159	68.4	49.7	59.1	+1.4	79	20, 25, 26	35	1	-	-	2.02	51	-	13	29	15	11	-	-	-	0	(1)	-	-	-	-	-	
	Moretonhampstead	9 9 9	798	62.8	49.2	56.0	-	74	25	38	1	56.1	51.0	2.23	57	-	10	2	15	11	0	0	2	4	1	1	0	4.98	-	31	
	Newton Abbot	9 9 9	375	66.4	50.2	58.3	-	80	25	38	1	-	-	1.60	41	- 9	15	18	12	9	0	0	0	2	1	0	-	4.56	-	28	
	Paignton	9 9 9	12	65.8	51.7	58.7	+0.9	76	26	40	1	-	-	1.24	29	-	9	18	12	7	0	0	1	2	1	0	-	5.71	-2.09	35	
	Plymouth (Hoe)	2121 9	117	64.8	52.3	58.5	+0.8	78	26	40	1	61.9	56.7	0.99	25	-30	11	1	7	6	0	0	0	0	0	0	0	5.92	-1.28	36	
	Plymouth (Mount Batten)	18-7 7	82	64.4	52.5	58.5	+0.9	78	25	39	1	-	-	0.99	25	-	12	1	10	6	0	0	0	1	0	0	0	6.00	-1.70	37	
	Princetown	9 9 9	1430	61.3	47.3	54.3	+1.2	72	25	37	1, 2	-	-	3.14	80	-22	19	30	17	15	0	0	0	2	6	0	-	-	-	-	
	Sidmouth	9 9 9	25	64.9	52.4	58.7	+1.8	78	26	41	2	-	-	1.50	38	-	19	18	14	11	0	0	0	5	2	(0)	-	5.79	-	35	
	Tavistock	9 9 9	457	66.1	49.4	57.7	+1.2	78	20, 25	35	1	-	57.1	1.75	45	-20	7	2	16	11	0	0	1	4	0	6	0	-	-	-	
	Teignmouth	9 9 9	20	65.3	53.1	59.3	+1.2	78	26	41	1	-	-	1.28	32	-17	13	18	11	6	0	0	1	2	1	-	5.53	-1.99	34		
	Torquay	9 9 9	27	65.4	52.2	58.8	+0.9	76	26	40	1	-	56.3	1.35	34	-14	15	18	11	8	0	0	0	2	0	0	0	5.99	-1.73	37	
Cornwall.	Falmouth Obs.	9 9 9	167	64.0	52.2	58.1	+1.2	71	25	43	1	60.9	57.8	2.89	66	+ 7	22	30	13	7	0	0	0	2	0	0	-	5.99	-1.42	37	
	Fowey	9 9 9	51	65.2	52.3	58.7	+0.8	74	25, 27	43	1	-	-	1.52	39	-	9	30	12	9	0	0	0	1	1	-	5.59	-1.93	34		
	Gulval	9 9 9	20	64.7	51.0	57.9	-	75	25	41	1	-	-	1.46	37	-	9	2	11	9	0	0	0	0	0	-	5.94	-	36		
	The Lizard	18-7 7	240	61.8	51.5	56.7	-	69	25	43	4	-	-	1.44	37	-	9	30	13	7	0	0	0	2	4	-	0	-	-	-	
	Newquay	9 9 9	190	62.8	52.1	57.3	+1.4	74	20, 25	43	11	59.1	54.7	2.50	64	+13	27	30	13	10	0	0	1	2	2	-	5.63	-1.61	34		
	Redruth	9 9 9	397	62.8	50.5	56.5	+0.4	75	25	41	1	-	-	2.30	59	- 4	13	1	16	12	0	0	0	2	2	0	0	-	-	-	
9. IRELAND, N.																															
Sligo.	Markree Cas.	2121 9	122	64.3	48.2	56.4	+1.7	77	21	28	5	57.1	52.0	5.23	133	+56	24	23	21	18	0	0	0	6	0	-	0	5.17	-0.20	30	
Mayo.	Blacksod Pt.	18-7 7	18	60.3	51.5	55.9	-	72	21	39	5	-	-	2.11	54	-17	7	14	15	13	0	0	0	2	1	-	0	-	-	-	
	Mallaranny	9 9 9	113	63.0	50.3	56.7	+1.4	75	21, 29	38	4, 5	-	-	4.08	104	-	23	30	18	17	-	-	-	0	-	-	5.05	-0.36	30		
Donagal.	Malin Head	18-7 7	84	58.9	50.2	54.5	+1.8	71	22	38	5	-	-	1.72	44	-10	11	30	13	9	0	0	1	0	1	-	0	6.53	+0.72	38	
Antrim.	Aldergrove	18-7 7	238	64.3	47.6	55.9	-	77	21	30	5	-	-	3.51	89	+28	36	23	15	12	0	0	2	4	0	3	0	0	6.31	-	37
Down.	†Donaghadee	8 8 8	40	61.8	48.4	55.0	+1.1	70	21	39	1	-	-	2.82	72	+13	12	19	18	13	-	-	-	3	-	-	6.55	-	38		
	Hillsborough	9 9 9	388	63.0	48.1	55.5	-	74	21	35	4	55.3	-	3.32	84	-	14	23	16	13	0	0	3	0	4	0	0	6.69	-	39	
Armagh.	Armagh	2121 9	204	65.5	48.5	57.0	+1.7	76	21	35	5	58.5	53.6	4.41	112	+48	30	23	17	15	0	0	0	3	0	4	0	6.30	+0.68	37	
Longford.	Newtownforbes	2121 9	154	65.9	47.2	56.5	+1.7	76	26	32	5	57.3	53.1	3.19	81	+15	17	1	17	17	0	0	0	5	-	-	-	-	-		
10. IRELAND, S.																															
Dublin.	Balbriggan	9 9 9	203	64.4	52.1	58.3	+1.0	72	26, 28	41	1	-	-	3.25	83	+33	19	1	15	10	0	0	0	5	0	0	0	-	-	-	
	Dublin City	2121 9	54	64.4	52.1	58.3	+1.0	72	26, 28	41	1	-	-	3.09	78	+27	20	1	16	11	0	0	0	5	0	2	0	-	-	-	
	„ Glasnevin	2121 9	55	65.8	48.7	57.1	+1.3	74	26	34	5	-	-	2.80	71	+21	16	21	17	12	0	0	1	5	0	0	-	6.24	+0.05	37	
	„ Phoenix Pk.	2121 9	155	65.8	47.3	56.5	+1.8	74	26, 28	34	5, 13	-	-	3.03	77	+30	20	1	15	11	0	0	0	4	-	0	0	-	-	-	
	„ Trin. Coll.	2121 9	13	65.4	51.3	58.3	+1.6	73	26, 28	40	1	59.6	54.7	3.03	77	+30	20	1	15	11	0	0	0	4	-	0	0	-	-	-	
	Hazelhatch	9 9 9	366	65.7	47.2	56.5	-	76	26	34	4	59.3	55.0	3.58	91	-	17	24	15	11	-	-	-	0	-	-	5.41	-	32		
	(Peamount San.)																														
	Rathfarnham	9 9 9	169	64.3	50.1	57.2	-	74	26	37	5	57.3	-	3.38	86	-	20	1	15	13	0	0	0	3	0	0	-	6.12	-	36	
Wicklow.	Newcastle	2121 9	256	63.9	49.7	56.3	+1.4	74	9	36	1	-	-	2.91	74	-	16	1	12	10	0	0	0	0	0	-	-	-	-	-	
Offaly.	Birr Castle	18-7 7	173	66.3	47.8	57.1	+1.4	78	26	33	5	56.9	52.3	2.96	75	+16	15	1	17	14	0	0	1	5	1	4	0	4.82	-0.55	29	
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	65.1	48.3	56.9	+1.0	75	26	38	4	-	-	2.33	59	-	19	19	15	7	0	0	0	3	1	0	0	6.85	+0.22	41	
	Waterford	9 9 9	137	65.3	50.6	57.9	+0.8	74	26, 27	39	4	-	-	2.76	70	+ 3	19	19	14	8	0	0	1	2	7	-	0	-	-	-	
Limerick.	Foyles	9 9 9	43	65.3	50.8	58.1	+1.6	76	26	39	5	-	-	3.46	88	+22	19	19	15	-	-	-	-	-	-	-	-	-	-	-	
Kerry.	Valentia Obs.	242424	30	61.7	51.8	56.7	+0.5	71	25	37	5	58.8	54.9	2.24	57	-24	13	16	18	12	0	0	0	2	1	1	0	5.42	-0.45	38	
	„																														

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JUNE, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION										
										0	1 to 3	4 to 6	7 to 9	10	Fog			Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			ft.	mb.	°F.	°F.	mb.	%						0	1	2	3	4	5	6	7	8	9														
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ..	9	352	1015.8	-	57.4	3.8	12.1	77	6.8	3	3	7	3	14	0	0	0	0	4	8	6	6	6	0	0	0	0	27	3	6	5	2	0	7	4	2	1
	21	352	1016.0	-	53.5	2.1	11.8	86	4.8	4	10	5	2	9	0	0	0	0	7	3	12	6	2	0	0	0	21	9	4	4	0	1	4	2	6	0	
Yorks., N. Riding Catterick ..	7	186	1015.8	-	53.3	2.0	12.2	87	7.7	1	4	1	13	11	0	0	1	2	0	6	8	7	6	0	0	0	2	26	2	10	2	1	1	8	2	1	3
	13	186	1015.3	-	60.8	5.1	13.2	72	7.5	1	4	1	16	8	0	0	0	1	3	12	5	9	0	0	0	6	23	1	3	10	3	1	12	4	5	1	
	18	186	1015.0	-	59.6	4.5	13.1	74	6.9	2	3	6	11	8	0	0	0	1	3	7	9	9	1	0	0	6	22	2	7	6	1	2	3	1	7	1	
Yorks., N. Riding Scarborough ..	9	96	1015.8	-	58.1	4.0	12.5	76	5.5	0	14	3	10	3	0	1	1	0	2	5	14	5	0	0	0	4	26	0	1	3	0	3	2	5	2	14	
	9	53	1016.1	-	58.9	3.8	13.2	77	6.7	1	4	10	5	10	-	-	-	-	-	-	-	-	-	-	-	0	30	0	6	1	1	6	12	5	8		
Yorks., E. Riding Spurn Head ..	21	53	1016.2	-	56.8	3.2	12.4	78	4.8	2	13	5	0	10	-	-	-	-	-	-	-	-	-	-	-	0	26	4	3	1	4	2	3	3	7	3	
	1	28	1015.6	-	53.7	1.3	13.0	91	6.4	0	8	5	11	6	0	0	0	0	0	7	17	6	0	0	0	8	21	1	4	2	3	4	1	6	4	5	
	7	28	1015.4	-0.5	55.0	2.0	12.8	87	6.3	0	5	8	10	7	0	0	0	0	3	14	10	3	0	0	0	8	18	4	2	3	4	3	2	3	6	3	
Lincoln. Cranwell ..	13	28	1015.7	-	59.7	3.9	13.6	77	7.5	0	3	4	16	7	0	0	0	0	0	7	17	6	0	0	0	15	15	0	3	4	8	7	1	4	2	1	
	18	28	1015.1	-	56.9	2.6	13.3	84	6.6	0	8	4	10	8	0	0	0	0	0	7	17	6	0	0	0	16	14	0	4	3	5	10	3	2	2	1	
	7	243	1016.0	-	54.5	1.7	13.0	89	7.8	0	2	5	14	9	0	0	0	3	2	20	5	0	0	0	0	2	24	4	6	3	0	5	2	5	4	1	
Norfolk. Cromer ..	13	243	1015.6	-	63.7	5.6	14.6	71	7.3	0	4	4	14	8	0	0	0	0	0	1	11	3	0	0	0	11	19	0	4	3	2	7	5	5	0	0	
	18	243	1015.2	-	62.5	4.9	14.3	75	7.5	0	4	5	14	7	0	0	0	0	0	12	12	6	0	0	0	8	22	0	5	6	4	1	4	3	6	1	
	9	74	1015.4	-	59.2	3.6	13.6	79	6.4	1	2	14	8	5	0	0	0	0	1	16	11	2	0	0	0	1	29	0	6	1	2	5	5	2	0	9	
Norfolk. Yarmouth ..	1	26	1015.8	-	54.4	1.3	13.1	91	5.2	6	4	7	7	6	0	0	0	0	0	11	19	0	0	0	0	5	24	1	1	2	3	4	7	4	3	5	
	7	26	1015.8	-0.2	56.5	2.7	13.1	83	7.1	0	5	2	17	6	0	0	0	0	0	21	9	0	0	0	0	2	26	2	4	2	0	4	4	3	6	5	
	13	26	1015.8	-	60.0	4.5	13.0	73	6.7	1	5	5	13	6	0	0	0	0	0	18	12	0	0	0	14	15	1	8	3	5	8	2	1	1	1	1	
Suffolk. Felixstowe Aero.	18	26	1015.3	-	59.3	4.1	13.0	76	6.0	4	4	6	11	5	0	0	0	0	0	17	13	0	0	0	13	14	3	3	3	2	10	4	2	1	2	1	
	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall	7	21	1015.7	-	57.2	2.6	13.4	84	7.2	0	5	5	11	9	0	0	0	1	6	12	4	7	0	0	4	23	3	2	4	2	5	3	4	4	3	4	
	13	21	1015.3	-	66.3	7.5	13.7	62	7.7	0	2	4	16	8	0	0	0	0	7	7	16	0	0	0	12	18	0	3	3	2	5	3	5	5	4	4	
	18	21	1014.8	-	64.9	6.8	14.4	66	6.7	2	5	4	13	6	0	0	0	0	6	8	16	0	0	0	8	21	1	6	1	6	2	3	4	5	2		
Cambridge. Cambridge	9	43	1015.8	-0.7	62.2	4.9	14.3	74	6.8	1	5	6	9	9	-	-	-	-	-	-	-	-	-	-	0	4	26	0	2	3	3	4	3	6	4	5	
	21	43	1015.7	-0.8	59.1	3.5	13.9	80	5.6	6	5	3	6	10	-	-	-	-	-	-	-	-	-	0	0	26	4	2	7	0	3	2	4	5	3		
Hertford. Rothamsted ..	9	396	1015.6	-	59.7	3.4	14.1	80	6.4	2	6	4	12	6	0	0	0	0	4	26	0	0	0	1	20	9	7	0	1	4	2	2	2	2	3		
Essex. Shoeburyness	7	12	1016.1	-	58.6	3.0	14.0	82	6.9	2	2	5	16	5	0	0	0	1	3	12	3	11	0	0	2	26	2	4	3	2	2	4	3	5	5	5	
	13	12	1015.9	-	65.3	6.5	14.3	66	6.4	0	6	8	11	5	0	0	0	0	6	5	19	0	0	0	9	19	2	4	2	5	3	6	4	2	2		
	18	12	1015.3	-	63.3	5.1	14.5	72	7.0	1	4	4	17	4	0	0	0	0	5	7	17	1	0	0	5	25	0	3	4	4	3	6	5	4	1		
4. MIDLAND COUNTIES.																																					
Yorks., W. Riding. Harrogate ..	9	478	1015.9	-	57.0	3.5	12.4	80	6.8	0	8	3	10	9	0	0	0	1	0	7	11	7	1	3	0	0	30	0	3	4	5	2	3	8	5	0	
Nottingham. Nottingham ..	9	215	1015.2	-	58.6	4.3	12.7	75	7.4	0	3	7	9	11	0	0	0	1	4	5	20	0	0	0	3	27	0	3	8	1	1	1	8	5	3		
Warwick. Birmingham	7	542	1016.1	-	54.2	2.8	12.2	84	7.8	0	6	1	11	12	0	0	1	0	2	10	6	5	6	0	0	0	30	0	2	5	3	2	4	5	5	4	
	13	542	1015.7	-	61.3	5.8	13.1	70	7.7	0	4	3	12	11	0	0	0	1	2	8	3	16	0	0	2	28	0	3	2	4	5	4	4	4	4		
	18	542	1015.1	-	61.7	5.7	13.2	70	7.1	0	5	4	15	6	0	0	0	2	3	7	1	17	0	0	2	27	1	4	4	2	3	4	4	4	4		
Oxford. Oxford ..	9	212	1016.1	-0.9	59.8	4.3	13.2	75	6.7	1	9	1	7	12	0	0	0	1	2	12	3	12	0	0	3	26	1	5	3	2	2	3	7	4	3		
Shropshire. Shrewsbury	9	186	1015.8	-	59.1	3.8	13.7	80	7.3	0	1	13	5	11	0	0	0	0	10	0	20	0	0	6	19	5	4	1	4	2	3	2	8	1			
Hereford. Ross-on-Wye	7	226	1015.7	-	55.2	2.1	13.2	86	7.1	0	7	3	8	12	0	1	0	0	4	1	9	7	8	0	0	1	29	0	5	2	2	1	1	8	5	6	
	13	226	1015.3	-	63.7	5.6	14.4	71	7.8	0	2	5	17	6	0	0	0	1	0	10	7	12	0	0	6	24	0	7	2	3	0	2	8	4	4		
	18	226	1014.7	-	63.3	5.8	14.2	71	7.0	0	5	5	13	7	0	0	0	2	5	7	12	4	0	3	27	0	6	1									

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JUNE, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
										0	1	2	3	4	5	6	7	8	9	10	Fog	Mist	Poor Vis.	Mod. Vis.	Good VISIBILITY	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
8a. SOUTH WALES—cont.																																							
Radnor.	Llandrindod Wells	9	725	1015.7	-	58.2	3.5	12.9	79	7.5	0	3	5	14	8	0	0	0	0	0	0	8	14	8	0	0	9	21	0	2	1	4	3	6	1	10	3		
	Rhayader ..	9	-	-	-	57.5	3.3	12.6	79	7.7	0	4	5	4	17	0	0	0	0	0	0	1	7	4	18	0	0	2	28	0	4	3	1	5	2	7	3	5	
Glamorgan.	Cardiff ..	9	216	1016.0	-	59.4	3.7	13.3	78	8.0	1	3	4	8	14	0	0	0	0	0	10	10	3	7	0	0	5	25	0	1	7	6	0	1	5	10	0	0	
		21	216	1015.8	-	57.8	2.5	13.9	85	7.3	3	3	4	4	18	0	0	0	0	0	0	22	0	8	0	0	4	26	0	1	4	1	2	2	8	8	4	4	
8b. ENGLAND, S.W.																																							
Somerset.	Bath ..	9	113	1015.7	-	61.1	4.9	13.2	72	7.3	2	2	7	7	12	0	0	0	0	0	1	14	8	7	0	0	3	26	1	3	1	4	3	3	4	7	4	4	
Dorset.	Holton Heath H	9	58	1015.7	-	60.2	4.0	13.9	77	7.3	1	5	4	6	14	0	0	0	0	0	3	5	9	9	4	0	0	7	19	4	5	1	2	3	2	6	2	5	
		15	58	1015.3	-	65.0	6.5	14.2	66	5.6	1	10	4	9	6	0	0	0	0	0	3	13	11	3	0	0	15	13	2	2	1	3	4	4	9	4	3	3	
		1	37	1015.7	-	55.0	1.5	13.3	90	6.2	4	6	3	6	11	0	0	0	1	0	0	0	18	11	0	0	0	6	24	0	2	3	4	0	2	4	5	10	0
Dorset.	Portland Bill	7	37	1015.8	-0.5	56.1	1.7	13.6	89	7.5	0	3	5	10	12	0	0	0	2	0	0	1	17	10	0	0	0	7	23	0	3	4	4	2	3	2	4	8	8
		13	37	1016.0	-	58.9	2.0	15.0	88	6.7	0	5	6	15	4	0	0	0	2	0	0	1	18	9	0	0	0	8	22	0	3	1	5	2	5	5	6	3	4
		18	37	1015.4	-	57.7	1.7	14.7	88	6.7	2	4	4	13	7	0	0	0	2	0	0	1	18	9	0	0	0	9	21	0	3	0	5	2	1	8	7	4	3
Devon.	Moretonhampstead	9	801	1016.1	-	56.5	3.0	12.9	81	8.1	0	1	5	14	10	0	0	1	0	2	0	1	5	21	0	0	5	22	3	4	1	1	4	3	3	1	10	10	
		15	801	1016.6	-	60.5	4.7	13.3	74	7.8	0	3	6	11	10	0	0	0	0	0	4	1	25	0	0	0	0	6	23	1	4	0	1	6	4	4	2	8	6
Devon.	Plymouth H	7	27	1016.1	-	56.0	2.2	13.3	88	7.4	0	5	3	17	5	0	0	0	0	1	6	7	15	0	0	0	0	6	17	7	5	0	2	1	4	1	4	6	8
	(Mount Batten) ..	13	27	1016.2	-	60.9	3.9	14.4	78	7.9	0	2	4	17	7	0	0	1	0	0	1	3	6	19	0	0	0	9	21	0	3	0	3	1	9	8	1	5	5
		18	27	1015.7	-	60.2	3.7	14.2	79	6.4	0	9	3	11	7	0	0	0	1	0	0	5	4	17	3	0	11	18	1	5	0	2	1	7	7	2	5	5	
		1	240	1016.3	-	52.5	1.0	12.8	93	6.5	0	10	3	5	12	0	2	0	2	0	0	0	5	17	0	0	0	12	15	3	1	4	1	1	3	3	9	5	5
Cornwall.	The Lizard	7	240	1016.4	-	55.0	1.2	13.8	92	7.8	0	3	5	10	12	2	1	1	0	0	0	2	6	18	0	0	10	18	2	1	5	1	2	2	3	10	4	4	
		13	240	1016.7	-	59.9	2.1	14.4	81	7.0	0	6	7	9	8	0	0	1	0	0	3	1	9	16	0	0	13	17	0	2	2	5	0	3	7	8	3	3	
		18	240	1016.3	-	57.3	3.3	14.1	85	7.3	0	3	9	11	7	0	1	0	1	0	2	1	7	18	0	0	12	16	2	0	2	2	2	2	6	10	4	4	
Cornwall.	Newquay	9	161	1016.4	-	58.3	2.4	14.0	85	7.4	0	3	6	9	12	0	0	2	0	0	3	9	13	3	0	0	9	21	0	9	0	0	3	5	3	4	6	6	6
9. IRELAND, N.																																							
Sligo.	Markree Castle	9	127	1016.1	-	57.1	2.8	13.1	83	7.4	0	1	10	10	9	0	0	0	0	0	5	10	15	0	0	0	1	19	10	3	1	1	4	3	3	2	3	3	
		21	127	1015.6	-	57.0	3.1	12.8	81	7.0	2	2	11	5	10	0	0	0	0	0	2	6	22	0	0	0	0	0	16	14	4	0	1	0	2	4	2	3	3
		1	28	1015.5	-	53.3	1.4	12.4	90	7.3	0	5	6	7	12	0	0	0	0	0	0	2	11	16	1	0	0	9	15	6	5	0	2	0	5	1	10	1	1
Mayo.	Blacksod Point	7	28	1015.1	-	55.5	2.1	12.8	87	7.6	0	1	10	7	12	0	0	0	1	0	0	2	10	13	4	0	0	9	17	4	4	1	4	1	4	3	7	2	2
		13	28	1015.5	-	58.7	4.0	13.0	76	7.2	0	3	9	10	8	0	0	0	0	0	0	2	7	13	8	0	13	16	1	4	2	2	1	3	3	13	1	1	1
		18	28	1015.0	-	57.7	3.4	13.0	79	7.5	0	4	5	11	10	0	0	0	0	0	0	1	7	16	6	0	11	18	1	4	2	1	2	2	4	10	4	4	
		1	87	1015.3	-	52.2	1.3	12.0	91	5.4	3	7	7	10	3	0	1	1	0	1	0	9	12	6	0	0	7	15	8	3	1	3	2	4	2	6	1	1	
Donegal.	Malin Head	7	87	1014.9	-0.0	53.5	1.5	12.3	90	7.0	1	6	2	15	6	0	1	0	0	1	9	10	9	0	0	0	8	19	3	4	0	5	1	6	4	2	5	5	
		13	87	1015.4	-	55.7	2.0	13.4	87	7.1	0	6	3	15	6	0	0	0	1	0	0	9	10	7	3	0	10	20	0	4	5	7	1	1	2	7	3	3	
		18	87	1014.7	-	55.5	2.1	12.7	86	6.8	1	6	2	18	3	0	1	0	0	1	0	9	9	1	0	0	11	19	0	4	6	7	0	1	4	6	2	3	
		7	245	1015.2	-	52.3	1.8	12.1	87	7.5	0	5	3	12	10	0	0	0	0	4	8	7	10	1	0	0	7	21	2	4	6	2	0	5	3	2	6	6	
Antrim.	Aldergrove H	13	245	1015.1	-	61.4	5.8	13.1	69	7.1	0	5	5	14	6	0	0	0	0	1	2	8	7	11	0	13	17	0	4	4	2	2	4	4	7	3	3		
		18	245	1014.8	-	60.7	5.4	12.9	69	6.5	0	7	5	13	5	0	0	0	0	0	3	7	13	7	0	0	5	24	1	7	0	6	2	2	4	6	2		
Armagh.	Armagh .. H	9	209	1014.9	-1.0	57.8	3.8	12.9	78	6.9	1	7	2	10	10	0	0	0	0	0	3	5	20	2	0	0	0	28	2	3	6	1	2	4	7	1	4	4	
		21	209	1015.2	-0.7	55.0	2.7	12.7	84	6.8	3	5	1	8	13	0	0	0	0	0	1	4	6	19	0	0	0	24	6	3	4	3	1	3	6	2	2		
10. IRELAND, S.																																							
Dublin.	Glasnevin ..	9	56	(1016.0)	-	58.4	4.0	12.5	76	6.8	1	0	16	7	6	0	0	0	0	2	8	3	2	15	0	0	1	29	0	0	4	5	2	1	4	10	4	4	
		21	56	(1015.8)	-	57.5	3.3	12.8	79	6.5	3	0	10	11	6	0	0	0	0	0	0	5	6	2	17	0	0	0	29	1	0	7	5	1	1	7	5	3	
		7	193	1015.9	-0.4	52.3	0.5	12.7	96	7.9	2</																												

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvred screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.



MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS
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Price 1s. 0d. net, Post-free 1s. 1d.
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JULY, 1936.—Dull and very wet, with frequent thunderstorms.

Unsettled conditions prevailed throughout the month; the excessive rainfall was almost universal and at a number of stations in England and Ireland it was the wettest July on record. Sunshine was generally deficient except at a few places in Scotland.

During the opening days of the month a shallow depression, centred initially off the north of Ireland, moved slowly south-east and filled up. Rain fell at times and was heavy locally on the 1st and 2nd. A small anticyclone moving north-east from Spain to France caused a temporary improvement in the weather on the 5th, particularly in England and south-east Scotland but heavy rain was again reported in south-west England on the night of the 5th-6th. Thereafter until the 22nd depressions moved across the country mainly in some easterly direction. Rain fell frequently during this period and was unusually heavy at times, while thunderstorms occurred locally on most days. The deep depression which developed off our south-west coasts on the 17th deserves special comment. It moved slowly north-east and caused widespread gales in southern England on the 18th. On the 22nd a feeble ridge of high pressure moved eastward over the British Isles but a new, intense depression approaching the west of Ireland caused rain on the night of the 22nd-23rd. The latter system moved slowly north-east and then north and caused heavy local rain and gales in places between the 23rd and 25th. Another depression approached west Ireland on the 27th, moved south-east to the mouth of the English Channel and subsequently north-east to Belgium. Thunderstorms were widespread on the 28th and occurred locally on the 29th. Pressure was high off our south-west coasts on the 29th and 30th, but a depression centred near Iceland on the 30th moving east-south-east caused further rain on the 30th and 31st, though the 30th was a fair day over most of southern England.

Pressure and Wind.—Mean pressure was substantially below the average generally, the deficiency at 7 h. varying from 5.4 mb. at St. Mary's, Scilly to 8.2 mb. at Wick.

The prevailing winds were from between south-west and north-west. Gales were reported locally between the 23rd and 25th and a notable gale occurred in southern England around the 18th (see *Meteorological Magazine*, vol. 71, pp. 155-157). Among the highest speeds registered in gusts were 64 m.p.h. at Holyhead on the 17th, 63 m.p.h. at Larkhill and 62 m.p.h. at Pendennis Castle on the 18th and 60 m.p.h. at Valentia Observatory on the 23rd.

Temperature.—Mean temperature appreciably exceeded the average in north and east Scotland and was in general, below the average in southern districts of England and Wales and the Midlands. (See Table I.) In Ireland, mean temperature was on the whole, rather low, though it exceeded the average at a few stations in the north. At numerous stations in southern England, south Wales and the Midlands, the mean was 2°F. or more below the average, the deficiency being mainly due to persistently cool days. The absence of really warm days was a striking feature of the weather of the month. For example, at Kew Observatory, maxima of 71°F. or above were recorded on six days only, while the extreme for the month was as low as 76°F. At Hampstead it was the coolest July since 1922. The warmest period was on the whole the first seven or eight days but there was a brief warm spell in England around the 17th and in east Scotland the 31st was a warm day. The lowest temperatures were registered generally on the 22nd or 27th.

The extremes for the month were:—(England and Wales) 80°F. at Tunbridge Wells on the 17th, 33°F. at Rickmansworth on the 27th; (Scotland) 76°F. at Forres on the 2nd, 34°F. at Dalwhinnie on the 27th; (Ireland) 74°F. at Glasnevin and Trinity College, Dublin, on the 4th and at Rathfarnham on the 1st and 41°F. at Markree Castle on the 8th, at Birr Castle on the 22nd and at Waterford on the 27th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 182; the values for the constituent countries being England and Wales 191, Scotland 150 and Ireland 197. It was only at Marchmont, Berwickshire, at Tiree, Argyllshire, over a small area in Inverness-shire and at a few isolated stations in northern England that less than the average rainfall was received. Over large areas in England and Wales and in Ireland more than twice the average occurred, while more than three times the average fell in parts of Devonshire and locally in Northamptonshire. At a number of places in England it was the wettest July since 1888, at some others the wettest July on record, while the totals at Woburn and Wellingborough were the highest for any month since observations were first taken in 1883 and 1861 respectively. At Phoenix Park, Dublin, it was the highest July total since before 1865. The month was not only excessively wet but the rainfall was exceptionally frequent; at Valentia, Bristol and Collumpton measurable rain fell on each day of the month and at several other places on 30 days.

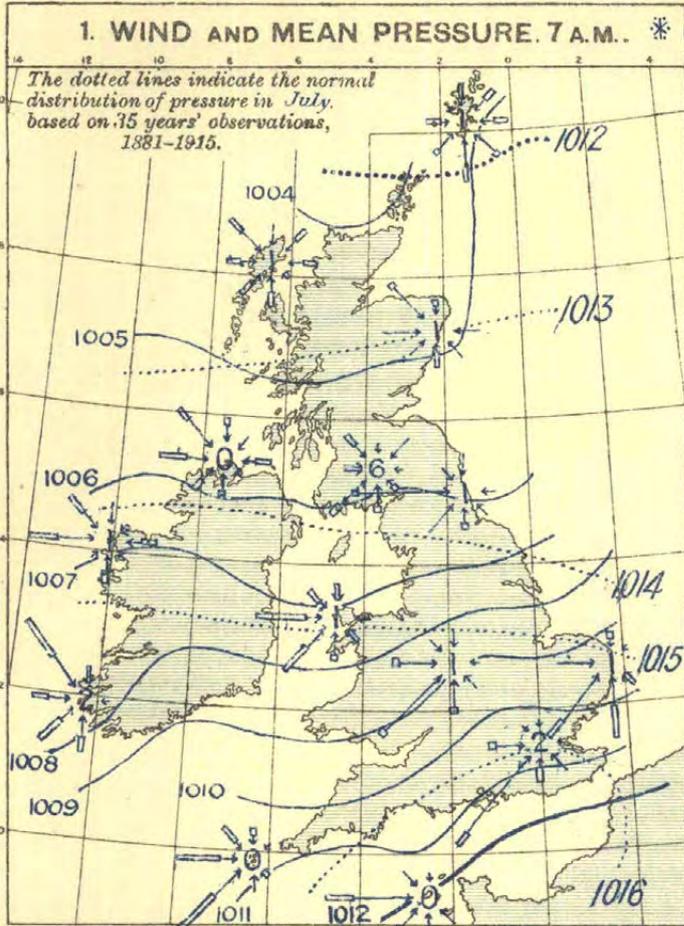
Heavy local falls of rain in short periods of time were another feature of the rainfall and among heavy falls in 24 hours or less were:—

- 1st. 64 mm. at Hartland, N. Devon.
 - 7th. 78 mm. at Northwood, Middlesex, nearly all of which fell in about 30 minutes.
 - 10th. 57 mm. at Eastbourne between 6.50 a.m. and 8.10 a.m. G.M.T.
 - 17th. 87 mm. at Forrest Lodge, Kirkcudbrightshire and 74 mm. at Auchnafree, Perthshire (nearly all of which fell in under an hour).
 - 23rd. 65 mm. at Fofanny, Down and 61 mm. at Benmore, Mull.
- Thunderstorms were unusually frequent; they were reported on 10 days at Wakefield, 9 days at Attenborough and Worksop and 8 days at Cromer and Woburn.

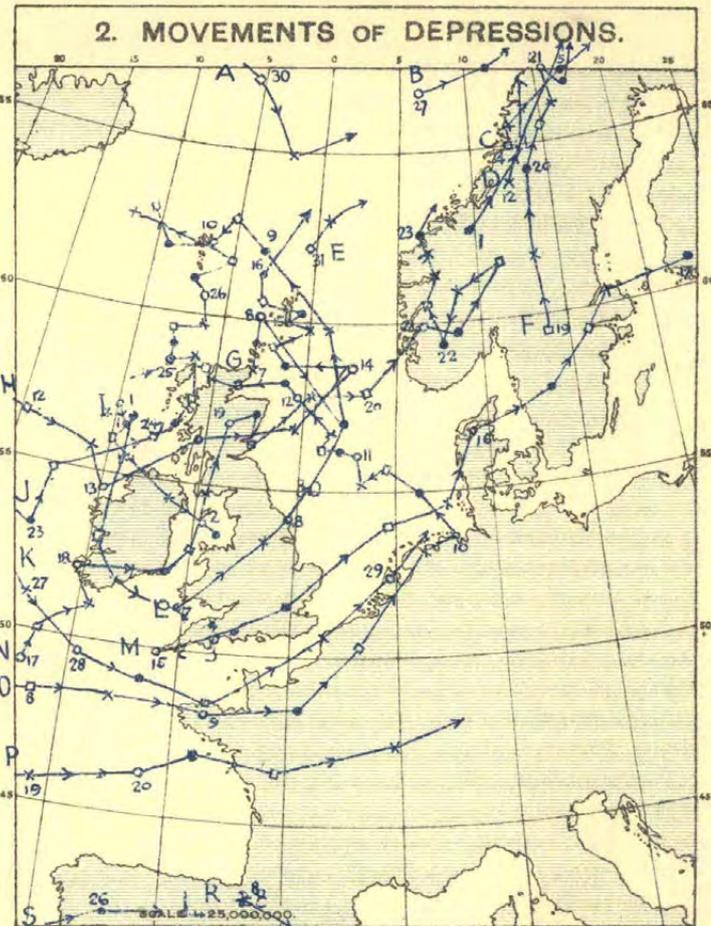
Sunshine.—Sunshine was markedly deficient; it was only at a few stations in Scotland (chiefly in the north) that more than the average was registered. The percentage of the average for the districts varied from 64 in England, S.W. and S. Wales to 101 in Scotland, N. (see Table I). A daily mean of more than 6 hours was recorded only in east Kent, at Sandown, Isle of Wight, at the Scilly Isles and at Jersey, while less than 3 hours a day was registered at some stations in central Ireland, central Wales and north-west England.

Fog.—Local fog occurred at times, mainly from the 1st-8th, on the 12th and 15th, from 17th-19th, 22nd-23rd and 29th-31st.

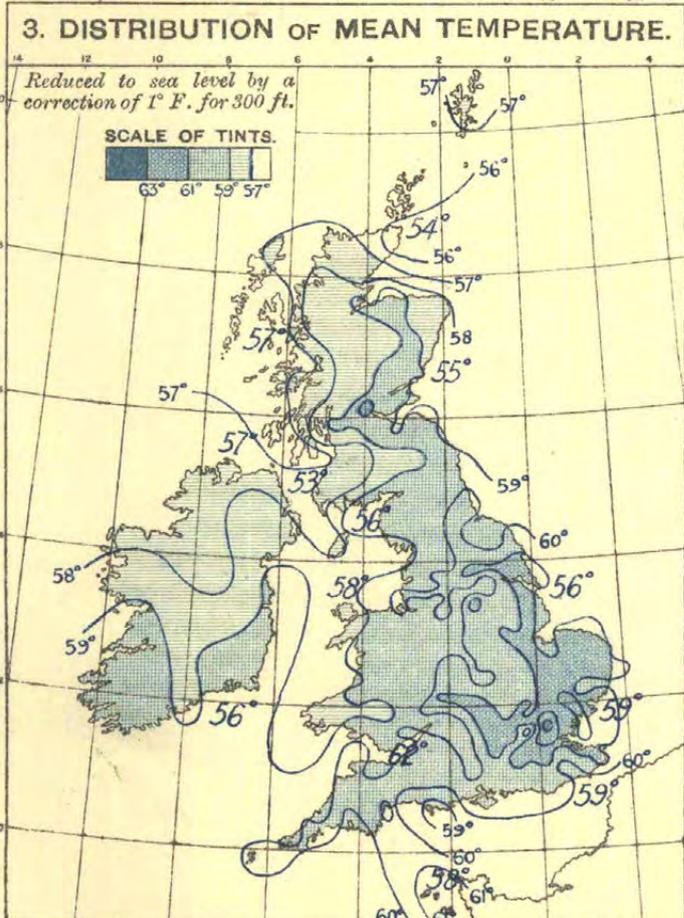
Miscellaneous Phenomena.—Solar halos were noted at Oxford on 8 days. A small whirlwind swept from Seaton up the Axe valley in the early morning of the 28th. Waterspouts were observed in the English Channel off Newhaven on the 10th.



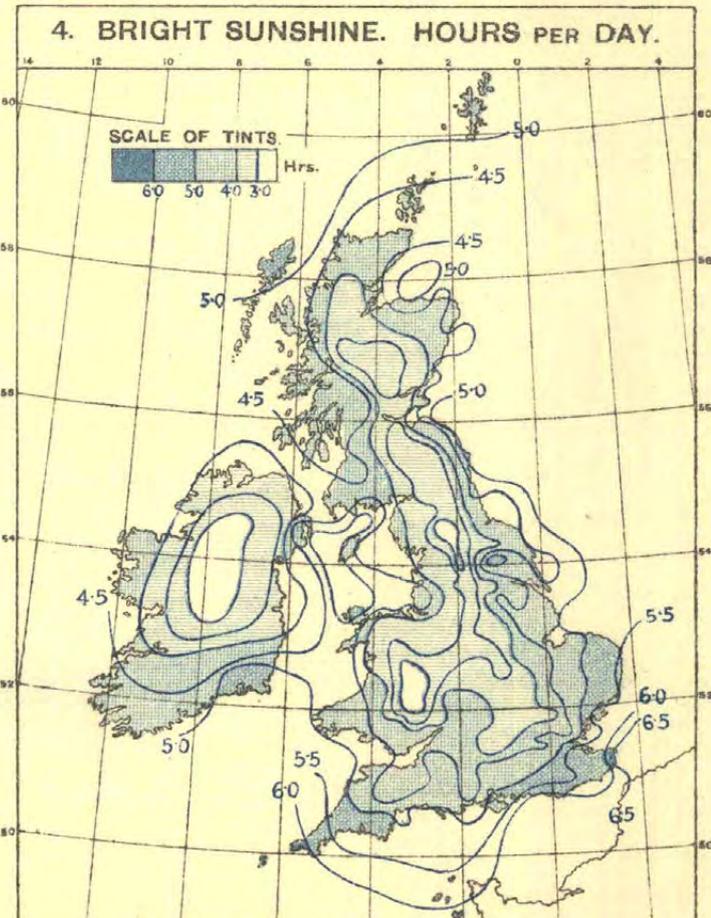
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG GALE
 30 Observ. 1 Inch



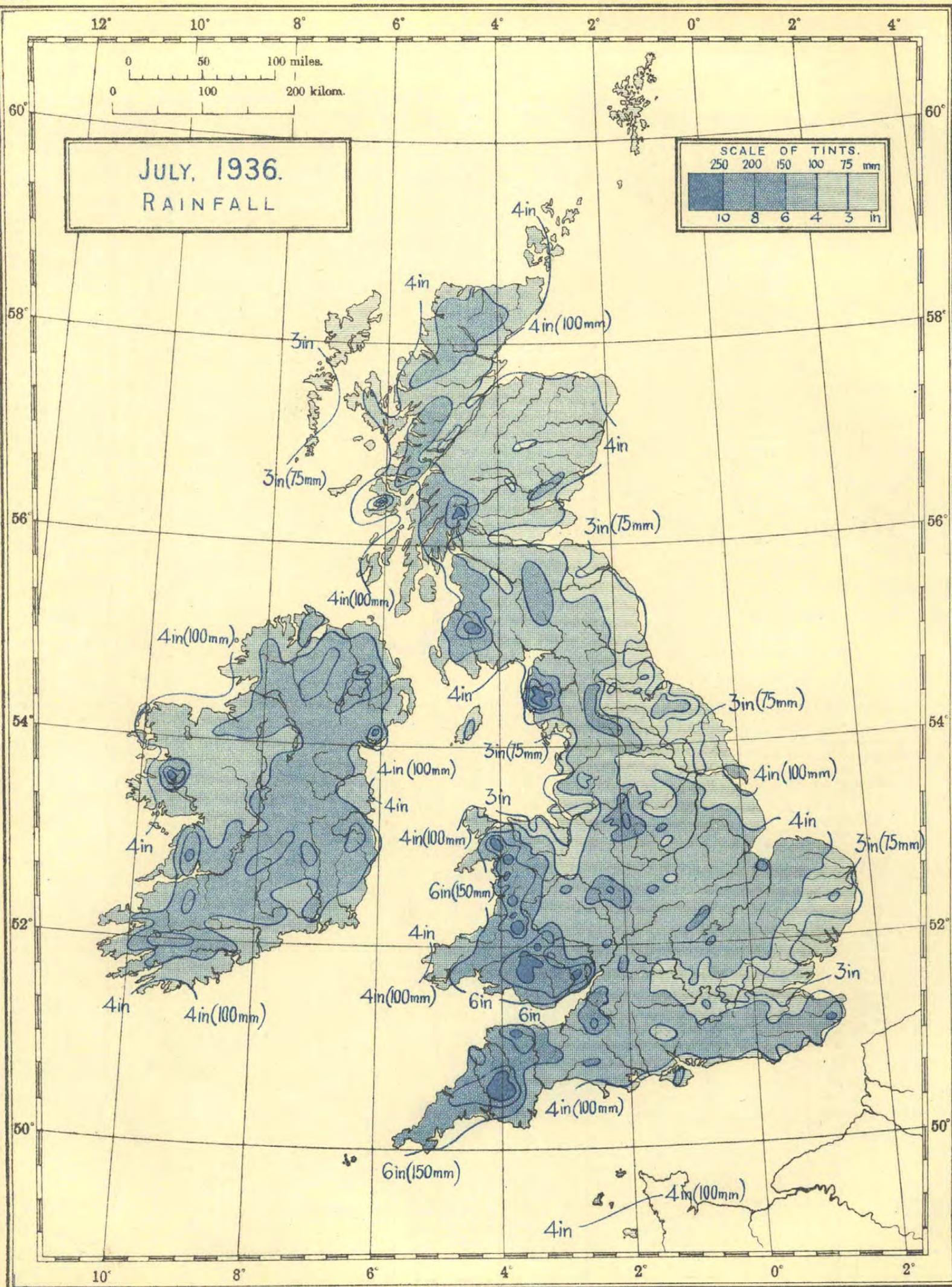
Positions of centres are shown thus: - O at 1hr; ● at 7h; □ at 13h; X at 18h.



Sea temperatures are shown in large figures, thus: 56°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Fs.480/3120. No.22.A. D.17. Gp.908. 825. 8/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10in=254mm. 1mm.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JULY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE											
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day													
			A Max.	B Min.		Maximum	Date	Minimum	Date													in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Daily Mean	Difference from Average	Per Cent.					
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%								
5. ENGLAND, S.E.—cont.																																			
Hampshire.	Bournemouth	9 9 9	139	65.8	54.7	60.3	-1.2	71	5,17,30	48	27	61.5	60.1	3.66	93	+39	13	9	24	20	0	0	0	0	0	0	0	0	0	0	0	0	5.04	-2.08	32
	Calshot	18-7 7	8	66.1	55.2	60.7	-1.8	71	7	50	11,27,30	-	-	3.17	81	+40	14	9	19	14	0	0	0	0	0	0	0	0	0	0	0	0	4.83	-2.55	30
	Leckford	9 9 9	385	65.3	51.9	58.6	-	73	17	44	27	60.2	-	3.78	96	-	16	14	26	20	0	0	0	0	0	0	0	0	0	0	0	0	4.68	-	29
	Long Sutton	9 9 9	479	66.3	52.1	59.2	-	74	17	45	22	62.9	-	4.30	109	-	19	14	25	15	0	0	0	0	0	0	0	0	0	0	0	0	4.52	-	28
	Southamp'n	2121 9	64	66.3	55.0	60.7	-2.0	73	17	50	27	-	-	3.95	100	+42	-	-	21	19	0	0	0	0	0	0	0	0	0	0	0	2	4.45	-2.49	28
	S. Farnboro'	18 7 7	237	68.4	52.8	60.6	-1.9	75	5,17	42	22,27	-	-	3.23	82	+30	12	14	21	16	0	0	0	0	0	0	0	0	0	0	0	0	4.68	-1.79	29
I. of Wight.																																			
	Newport	9 9 9	48	68.0	54.7	61.3	-	75	6	47	30	-	-	4.29	109	-	17	14	21	16	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
	Ryde	9 9 9	13	66.1	55.6	60.9	-1.2	70	5,17,30	51	27	-	-	3.52	89	-	16	14	21	14	0	0	0	0	0	0	0	0	0	0	0	0	5.82	-1.31	37
	Sandown	9 9 9	13	65.2	56.3	60.7	-1.3	69	17	51	26,27	-	-	3.68	93	-	16	14	23	16	0	0	0	0	0	0	0	0	0	0	0	0	6.48	-0.94	41
	Totland Bay	9 9 9	140	63.8	55.3	59.5	-1.5	72	17	50	30	-	-	3.30	84	+35	13	14	22	17	0	0	0	0	0	0	0	0	0	0	0	2	5.45	-1.89	34
	Ventnor(Hospital)	9 9 9	59	64.4	56.0	60.2	-1.6	70	17	53	11,30	-	-	3.95	100	+49	22	14	19	14	0	0	0	0	0	0	0	0	0	0	0	0	5.51	-1.69	35
Wilts.																																			
	Amesbury (Boscombe Down)	18-7 7	417	65.3	51.9	58.6	-	73	5,17	45	22,26,27	-	-	4.71	120	-	16	14	23	19	0	0	0	0	0	0	0	0	0	0	0	0	4.50	-	28
	Larkhill	9 9 9	440	65.4	51.7	58.5	-2.4	73	17	44	22,27	-	-	4.39	111	+62	16	14	24	21	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
	Marlboro'	9 9 9	424	65.3	51.1	58.2	-1.4	73	5	39	22	60.8	56.9	4.33	110	+48	17	14	27	20	0	0	0	0	0	0	0	0	0	0	0	0	3.97	-1.98	25
	Porton	9 9 9	363	65.8	51.1	58.5	-2.2	73	5	43	22,27,30	60.2	-	3.66	93	+43	13	14	23	15	0	0	0	0	0	0	0	0	0	0	0	0	4.74	-	30
7a. ENGLAND, N.W.																																			
Cumberland.	Keswick	9 9 9	254	64.0	52.8	58.4	-0.5	69	1,6	46	27	60.3	56.1	6.63	168	+70	38	24	23	17	0	0	0	0	0	0	0	0	0	0	0	3.57	-1.20	21	
	Newton Rigg	2121 9	560	64.1	51.0	57.5	-0.4	71	6	43	22	-	-	4.67	119	+41	19	24	23	16	0	0	0	0	0	0	0	0	0	0	0	1	3.55	-2.03	21
Westmorland.																																			
	Ambleside	9 9 9	145	65.1	51.8	58.5	-	72	6	43	22	-	-	6.56	167	-	42	23	23	21	0	0	0	0	0	0	0	0	0	0	0	0	2.81	-	17
	Appleby	9 9 9	440	64.6	50.6	57.6	-0.3	71	6	41	22	-	-	5.07	129	+49	29	23	24	19	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Lancashire.																																			
	Bolton	9 9 9	342	64.8	52.8	58.8	-0.5	70	1,2,17	45	22	59.4	56.2	5.04	128	+35	21	23	23	20	0	0	0	0	0	0	0	0	0	0	0	0	3.41	-1.40	21.8
	Burnley	9 9 9	458	64.0	52.4	58.2	+0.1	70	6	44	9	59.4	55.9	4.13	105	-	20	7	23	16	0	0	0	0	0	0	0	0	0	0	0	0	2.97	-1.81	18
	Darwen	2121 9	724	64.8	51.5	58.1	+0.2	71	6	47	9,22,27	59.6	55.2	5.28	134	+26	23	23	18	0	0	0	0	0	0	0	0	0	0	0	0	0	3.55	-1.22	22
	Hutton	9 9 9	82	65.3	53.4	59.3	+0.2	71	1,6,17	46	22	60.3	56.4	3.25	83	-	13	24	21	17	0	0	0	0	0	0	0	0	0	0	0	0	3.73	-1.52	23
	Lancaster	9 9 9	312	65.1	53.4	59.3	-0.1	73	1	50	9,22,31	-	-	3.42	87	-	2	15	30	20	19	0	0	0	0	0	0	0	0	0	0	0	3.65	-1.81	22
	Leyland	9 9 9	125	65.0	52.6	58.8	-0.1	72	1	42	22	-	-	4.11	104	+29	17	23	21	16	0	0	0	0	0	0	0	0	0	0	0	0	3.85	-1.60	23
	Manchester (Barton)	18-7 7	70	65.8	52.5	59.1	-	71	1,6	41	22	-	-	3.23	82	-	16	9	24	16	0	0	0	0	0	0	0	0	0	0	0	0	3.77	-	23
	(Oldham Road)	2121 9	191	66.5	55.7	61.1	-0.4	72	1	48	22	61.3	59.3	4.56	116	+34	25	10	23	19	0	0	0	0	0	0	0	0	0	0	0	0	2.88	-1.56	17.8
	(Whitworth Pk.)	2121 9	125	65.9	54.2	60.1	-0.6	71	1,4	46	22,27	-	-	3.67	93	+9	22	10	22	20	-	-	-	-	-	-	-	-	-	0	0	2.81	-1.84	17	
	Southport (Bedford Rd.Pk.)	9 9 9	35	65.2	54.0	59.6	-0.1	72	1	46	27	61.9	58.8	2.91	74	+1	15	22	16	12	0	0	0	0	0	0	0	0	0	0	0	0	4.56	-1.79	28
	Stonyhurst	9 9 9	377	63.8	53.0	58.4	-0.5	70	6,17	45	22	-	-	5.07	129	+31	23	30	24	18	0	0	0	0	0	0	0	0	0	0	0	0	3.89	-1.43	24
Cheshire.																																			
	Bidston Obs'y	9 9 9	198	64.2	53.9	59.1	-0.8	71	1	49	27	-	-	2.95	75	+9	15	18	21	15	0	0	0	0	0	0	0	0	0	0	0	0	4.77	-1.14	29
	Hoylake	9 9 9	23	65.7	54.0	59.9	-0.4	71	1,4,17	45	27	-	-	2.81	71	+9	14	18	21	13	0	0	0	0	0	0	0	0	0	0	0	0	4.63	-1.53	28
	Macclesfield	9 9 9	500	65.4	52.4	58.9	-0.4	71	1	46	22	-	-	6.25	159	+76	42	10	23	19	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
	West Kirby	9 9 9	25	65.9	54.7	60.3	-	72	1	48	27	-	-	2.67	68	+3	14	18	21	15	0	0	0	0	0	0	0	0	0	0	0	0	4.86	-	30
7b. NORTH WALES.																																			
Flint.	Hawarden B'dge	9 9 9	17	66.2	53.7	59.9	-0.8	72	4	45	9	-	-	1.96	50	-	11	18	16	10	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
	Rhyl	9 9 9	31	64.8	53.9	59.3	-0.2	71	17	47	27	-	-	3.31	84	+26	14	1	24	14	0	0	0	0	0	0	0	0	0	0	0	0	4.28	-2.17	26
	Sealand	18-7 7	16	65.9	53.5	59.7	-0.9	72	1,4	45	9	60.9	56.9	2.49	63	+3	18	18	19	13	0	0	0	0	0	0	0	0	0	0	0	0	4.08	-1.09	25
Anglesey.																																			
	Holyhead	18-7 7	26	62.0	54.1	58.1	-0.6	72	17	51	3,27	-	-	3.67	93	+27	24	17	21	14	0	0	0	0	0	0	0	0	0	0	0	0	5.15	-0.95	31
Denbigh.																																			
	Colwyn Bay	9 9 9	118	64.5	53.6	59.1	-0.9	73	17	47	25,27	-	-	3.72	94	+31	20</																		

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JULY, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE								
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day		Per Cent.							
			A Max.	B Min.		Maximum	Date	Minimum	Date					Amount	Date								0.2 mm. or more	1 mm. or more		Daily Mean	Difference from Average					
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%						
8b. ENGLAND, S.W.—cont.																																
Dorset.	Holton Heath	9 9 9	64	65.5	53.6	59.5	-1.7	71	6	42	27	65.0	62.7	4.72	120	-	13	14	21	18	0	0	0	1	2	0	0	0	0	4.36	-2.72	27
	Portland Bill	18-7 7	32	61.2	55.9	58.5	-2.1	64	22	54	9,27,30	-	-	3.49	89	+4.7	14	14	21	18	0	0	0	1	2	0	0	0	0	-	-	-
	Shaftesbury	9 9 9	722	63.4	52.1	57.7	-2.3	71	5	47	27	-	-	4.66	118	+5.3	15	14	27	21	0	0	0	4	-	-	-	-	-	-	-	
Devon.	Arlington	9 9 9	613	63.2	51.9	57.5	-1.6	69	5	44	22	-	-	9.28	236	+1.37	36	1	30	24	0	0	0	0	-	-	-	-	-	-	-	
	Cullompton	9 9 9	202	66.9	53.0	59.9	-1.8	74	5	41	27	61.7	-	6.29	160	+9.2	25	14	31	22	0	0	0	3	0	0	0	0	0	4.13	-2.59	26
	Ilfracombe	9 9 9	25	64.3	55.9	60.1	-0.6	71	6	51	22	63.5	60.3	6.67	169	+1.07	25	1	27	22	0	0	0	1	0	0	0	0	4.52	-2.15	28	
	Killerton	9 9 9	159	66.6	52.8	59.7	-1.4	74	5	42	27	-	-	5.67	144	-	27	1	29	22	0	0	0	-	-	-	-	-	-	-		
	Moretonhampstead	9 9 9	798	62.5	52.3	57.4	-	70	5	47	27	58.7	54.8	8.83	224	-	19	17,28	29	26	0	0	0	7	2	0	0	4.30	-	27		
	Newton Abbot	9 9 9	375	65.1	53.8	59.5	-	72	5,30	45	27	-	-	5.10	129	+7.1	22	14	27	21	0	0	0	3	2	0	0	4.50	-	28		
	Paignton	9 9 9	12	66.4	55.2	60.8	-0.7	72	5,20	47	27	-	-	4.78	121	-	19	14	24	21	0	0	0	2	1	0	0	4.99	-2.10	31		
	Plymouth (Hoe)	2121 9	117	64.0	54.9	59.5	-1.6	71	30	47	27	62.8	59.9	6.52	166	+9.6	22	8	23	20	0	0	0	0	1	0	1	5.11	-1.71	32		
	Plymouth (Mount Batten)	18-7 7	82	62.7	55.3	59.0	-2.0	67	30	47	27	-	-	5.99	152	-	27	12	26	23	0	0	0	3	1	0	1	5.05	-1.63	32		
	Princetown	9 9 9	1430	60.9	50.0	55.5	-0.8	72	3	45	27	-	-	16.87	429	+2.93	51	24	30	30	0	0	0	2	10	0	-	-	-	-		
	Sidmouth	9 9 9	25	64.8	54.4	59.6	-0.7	71	30	44	27	-	-	4.83	123	-	18	18	25	22	0	0	0	2	1	0	-	4.96	-	31		
	Tavistock	9 9 9	457	63.8	52.5	58.1	-1.6	70	5	46	27	-	59.6	10.18	259	+1.73	31	1	30	25	0	0	0	4	0	0	1	-	-	-		
	Teignmouth	9 9 9	20	66.0	55.7	60.9	-1.0	72	30	47	27	-	-	5.56	141	+8.2	27	2	26	21	0	0	0	4	1	-	4.92	-2.11	31			
	Torquay	9 9 9	27	65.7	55.2	60.5	-1.4	71	5,30	48	27	-	60.4	5.35	136	+8.1	26	8	24	21	0	0	0	3	1	0	0	5.28	-2.18	33		
Cornwall.	Falmouth Obs.	9 9 9	167	65.0	54.9	59.9	-0.7	70	5	50	27	63.1	61.3	6.60	168	+9.6	17	14	23	18	0	0	0	1	3	0	0	5.15	-1.98	32		
	Fowey	9 9 9	51	65.3	54.7	60.0	-1.2	71	30	48	27	-	-	6.81	173	-	19	5	29	26	0	0	0	3	3	-	5.01	-1.76	31			
	Gulval	9 9 9	20	64.8	53.1	58.9	-	69	5	47	27	-	-	7.58	193	-	29	5	21	18	0	0	0	0	0	-	5.57	-	35			
	The Lizard	18-7 7	240	62.9	54.2	58.5	-	66	1,30	51	30	-	-	5.80	147	-	21	1	26	21	0	0	0	0	6	-	0	-	-	-		
	Newquay	9 9 9	190	63.6	54.7	59.1	-0.6	69	5	49	27	61.7	58.3	6.61	168	+1.09	23	14	24	20	0	0	0	3	0	-	5.27	-1.45	33			
	Redruth	9 9 9	397	64.2	53.3	58.7	-0.8	70	5	49	27	-	-	7.16	182	+1.04	22	17	22	20	0	0	0	2	3	0	0	-	-	-		
9. IRELAND, N.																																
Sligo.	Markree Cas.	2121 9	122	63.4	51.1	57.3	-0.2	68	4,5	41	8	60.7	56.0	6.22	158	+7.0	12	7	30	26	0	0	0	1	0	-	3.06	-1.51	19			
Mayo.	Blacksod Pt.	18-7 7	18	61.0	53.5	57.3	-	64	2,4	48	8	-	-	5.09	129	+4.9	24	22	26	20	0	0	0	0	0	-	0	-	-	-		
	Mallaranny	9 9 9	113	62.8	53.0	57.9	-0.2	67	8	46	22	-	-	6.86	174	-	26	22	29	24	-	-	-	0	-	-	4.05	-0.68	25			
Donegal.	Malin Head	18-7 7	84	60.5	53.5	57.0	+0.5	66	4	46	27	-	-	5.22	132	+6.0	17	12	26	21	0	0	0	1	0	0	0	3.94	-1.03	24		
Antrim.	Aldergrove	18-7 7	238	63.7	51.5	57.6	-	69	1	43	22	-	-	5.81	148	+7.7	24	17	24	21	0	0	0	4	0	0	0	3.61	-	22		
Down.	†Donaghadee	8 8 8	40	62.5	52.1	57.3	+0.5	68	4	46	22,27	-	-	5.60	142	+7.1	23	17	26	21	-	-	-	2	-	-	4.12	-	25			
	Hillsborough	9 9 9	388	62.7	50.8	56.7	-	68	23	44	22,27	58.8	-	6.02	153	-	28	17	26	22	0	0	0	2	0	0	0	4.51	-	28		
Armagh.	Armagh	2121 9	204	64.5	51.9	58.2	-0.3	70	1	45	27	61.0	57.5	5.89	149	+7.6	33	17	20	6	0	0	0	3	0	0	0	3.19	-1.47	19		
Longford.	Newtownforbes	2121 9	154	63.5	50.6	57.1	-0.6	68	5,6	44	8	59.4	56.8	6.77	172	+9.3	36	23	27	25	0	0	0	1	-	-	-	-	-			
10. IRELAND, S.																																
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	5.63	143	+7.8	35	17	26	19	0	0	0	3	0	0	1	-	-	-		
	Dublin City	2121 9	54	64.5	54.6	59.5	-0.9	72	4	50	27	-	-	5.24	133	+6.8	31	17	27	19	0	0	0	3	0	0	0	-	-	-		
	" Glasnevin	2121 9	55	65.6	52.2	58.9	-0.5	74	4	45	27	-	-	6.49	165	+9.7	44	17	29	21	0	0	1	3	0	0	-	3.73	-1.82	23		
	" Phoenix Pk.	2121 9	155	65.0	51.6	58.3	-0.2	73	4	43	27	-	-	5.13	130	+6.8	32	17	27	19	0	0	0	1	-	0	0	-	-	-		
	" Trin. Coll.	2121 9	13	65.4	54.0	59.7	-0.3	74	4	49	27	62.0	58.5	5.13	130	+6.8	32	17	27	19	0	0	0	1	-	0	0	-	-	-		
	Hazelhatch	9 9 9	366	(65.2)	50.9	(58.1)	-	73	6	46	27	61.4	59.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.71	-	23			
	(Peamount San.)																															
	Rathfarnham	9 9 9	109	65.0	53.1	59.1	-	74	1	47	27	60.7	-	6.22	158	-	39	17	26	20	0	0	0	3	0	0	-	3.86	-	24		
Wicklow.	Newcastle	2121 9	256	64.9	-	-	-	71	5,31	-	-	-	-	7.67	195	-	34	14	22	16	0	0	0	0	-	-	-	-	-			
Offaly.	Birr Castle	18-7 7	173	65.0	51.1	58.1	-1.2	71	6	41	22	59.2	55.9	6.14	156	+8.1	19	18	26	22	0	0	0	3	1	0	0	2.99	-1.77	18		
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	64.3	50.5	57.4	-1.3	71	6	43	27	-	-	5.47	139	-	31	17	26	17	0	0	0	1	0	0	1	5.09	-0.56	32		
	Waterford	9 9 9	137	(65.7)	52.3	(59.0)	(-2.2)	70	2	41	27	-	-	6.37	162	+8.1	30	17	26	19	0	0	0	1	5	-	1	-	-			
Limerick.	Foynes	9 9 9	43	65.2	52.6	58.9	-0.6	70	5	45	27	-	-	7.26	184	+10.6	23	6	27	23	-	-	-	-	-	-	-	-	-			
Kerry.	Valentia Obs.	242424	30	62.8	54.9	58.9	0.0	67																								

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JULY, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																		
		At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION											
									0	1 to 3	4 to 6	7 to 9	10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
														0	1	2				3	4	5													6	7	8	9
0. SCOTLAND, N.																																					
Shetlands. Lerwick ..	1	160	1005.2	-	54.6	0.9	13.9	94	8.0	0	3	3	13	12	0	2	7	1	0	0	5	13	10	0	0	12	18	1	5	2	3	5	3	6	4	2	
	7	160	1005.0	-6.5	55.4	1.4	13.4	91	8.2	0	2	3	16	10	0	1	0	0	1	2	3	13	11	0	0	11	19	1	3	5	3	5	6	4	3	1	
	13	160	1005.3	-	58.0	2.5	13.9	85	7.8	0	1	10	13	7	0	0	0	1	0	0	3	13	13	2	0	12	19	0	3	2	4	4	9	2	2	2	
	18	160	1005.2	-	57.0	2.2	13.7	86	7.9	0	2	6	10	13	0	0	0	1	0	0	1	4	8	17	0	0	13	18	0	4	3	3	3	5	5	2	
Orkneys. Deerness ..	9	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	21	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hebrides. Stormoway ..	1	83	1004.7	-	53.8	1.2	13.1	92	8.1	0	2	5	12	12	0	0	0	0	0	1	4	15	10	1	0	10	20	1	4	3	2	2	3	4	6	6	
	7	83	1004.8	-7.4	55.5	1.8	13.0	88	8.3	0	0	6	10	15	0	0	0	0	1	0	3	6	16	5	0	13	17	1	4	4	1	4	4	4	5	3	
	13	83	1005.0	-	60.1	4.4	13.1	74	8.6	0	0	4	19	8	0	0	0	0	0	2	4	14	11	0	0	16	15	0	5	8	3	2	4	2	4	3	
Calthness. Wick ..	18	83	1005.1	-	58.1	3.3	13.1	79	8.6	0	0	2	19	10	0	0	0	0	0	3	7	11	10	0	0	14	17	0	4	9	1	2	2	3	5	5	
	1	79	1004.6	-	52.8	0.7	13.0	95	8.8	0	1	1	13	16	0	2	1	0	1	2	4	7	14	0	0	4	27	0	0	2	3	3	5	6	4	8	
	7	79	1004.2	-8.2	54.9	1.1	13.7	93	8.8	0	1	1	12	17	0	3	0	0	0	1	4	6	17	0	0	8	22	1	4	3	1	4	4	3	6	5	
	13	79	1004.6	-	57.5	2.4	13.5	85	8.9	0	0	1	15	15	0	1	0	0	1	0	4	8	17	0	0	9	22	0	4	4	4	7	2	3	3	3	
Inverness. Dalwhinnie† ..	18	79	1004.7	-	56.3	1.8	13.6	88	8.8	0	0	0	19	12	0	2	0	0	0	0	4	5	20	0	0	7	24	0	4	5	3	7	4	1	3	4	
	7	1180	964.0	-	52.3	2.2	11.2	85	9.2	0	0	3	8	20	0	0	0	0	0	1	5	12	13	0	0	5	19	7	5	4	0	1	4	5	4	1	
	13	1180	964.3	-	59.2	5.2	11.8	69	8.7	0	1	4	13	13	0	0	0	0	0	0	5	11	15	0	0	7	21	3	3	3	1	2	7	5	6	1	
	18	1180	964.3	-	57.4	4.0	11.9	75	9.0	0	1	2	11	17	0	0	0	0	0	1	11	19	0	0	0	2	28	1	3	2	1	1	8	5	9	1	
Inverness. Inverness ..	9	250	1005.0	-	58.3	3.5	12.9	79	6.1	0	5	12	12	2	0	0	1	0	0	0	4	2	10	14	0	2	25	4	0	5	3	1	0	1	8	3	7
	17	250	1004.5	-	61.0	4.5	13.6	74	6.2	0	4	13	13	1	0	0	0	0	0	0	6	6	7	12	0	1	28	2	1	7	0	1	0	8	4	8	
1. SCOTLAND, E.																																					
Aberdeen. Aberdeen H	7	85	1004.9	-8.1	57.4	3.0	13.1	82	7.8	0	4	3	16	8	0	0	1	1	0	3	5	10	11	0	0	4	26	1	2	0	4	4	2	3	8	7	
	13	85	1005.1	-7.9	61.3	4.9	13.4	73	7.8	0	4	3	15	9	0	0	0	0	0	0	7	10	13	1	0	9	22	0	3	0	3	1	5	3	2	2	5
	18	85	1005.2	-7.7	59.9	3.8	13.7	79	7.8	0	1	6	20	4	0	0	0	1	0	1	8	7	13	1	0	6	24	1	3	1	5	6	6	3	1	2	5
	21	85	1005.7	-7.6	57.3	2.5	13.6	85	8.3	0	2	4	11	14	0	0	0	0	0	2	6	16	7	0	0	2	23	6	3	1	2	4	6	2	1	6	
Aberdeen. Braemar† ..	h.*	85	1005.1	-7.9	58.2	3.3	13.4	81																													
	9	1108	1005.5	-	56.2	3.7	11.7	77	8.9	0	1	4	5	21	0	0	0	0	0	0	5	25	1	0	0	3	22	6	2	0	3	2	7	5	3		
	9	482	1004.9	-	58.6	3.8	13.2	77	8.1	0	3	4	12	12	-	-	-	-	-	-	-	-	-	-	-	0	18	13	0	4	0	7	0	3	2	10	5
	21	482	1005.4	-	56.1	2.7	12.7	83	9.2	0	0	1	13	17	-	-	-	-	-	-	-	-	-	-	-	0	3	28	0	1	2	4	3	13	3		
Perth. Crieff ..	1	184	1005.7	-	55.6	0.8	14.5	95	7.6	0	2	6	15	8	0	0	0	1	0	0	9	21	0	0	0	7	24	0	3	4	0	6	2	16	0	0	
	7	184	1005.6	-	55.3	0.9	13.9	94	8.3	0	1	2	24	4	0	0	0	0	2	0	5	8	16	0	0	6	25	0	0	4	4	2	1	18	1	1	
	13	184	1005.5	-	60.3	2.7	14.8	84	8.1	0	0	5	24	2	0	0	0	0	1	0	3	1	26	0	0	10	21	0	1	4	5	1	3	13	3	1	
	18	184	1005.3	-	59.8	1.9	15.7	89	8.2	0	1	1	24	5	0	0	0	1	0	0	1	5	24	0	0	10	21	0	0	6	5	2	1	13	4	0	
Fife. Inchkeith ..	1	184	1005.7	-	55.6	0.8	14.5	95	7.6	0	2	6	15	8	0	0	0	1	0	0	9	21	0	0	0	7	24	0	3	4	0	6	2	16	0	0	
	7	184	1005.6	-	55.3	0.9	13.9	94	8.3	0	1	2	24	4	0	0	0	0	2	0	5	8	16	0	0	6	25	0	0	4	4	2	1	18	1	1	
	13	184	1005.5	-	60.3	2.7	14.8	84	8.1	0	0	5	24	2	0	0	0	0	1	0	3	1	26	0	0	10	21	0	1	4	5	1	3	13	3	1	
	18	184	1005.3	-	59.8	1.9	15.7	89	8.2	0	1	1	24	5	0	0	0	1	0	0	1	5	24	0	0	10	21	0	0	6	5	2	1	13	4	0	
Fife. Leuchars .. H	7	36	1005.1	-	56.4	1.9	13.8	88	7.5	0	5	3	18	5	0	0	0	2	1	7	6	11	4	0	0	5	25	1	2	3	5	1	1	9	8	1	
	13	36	1005.3	-	62.3	4.9	14.0	74	8.5	0	0	3	22	6	0	0	0	0	1	5	3	18	4	0	0	8	22	1	0	3	9	1	2	5	8	2	
	18	36	1005.2	-	60.8	4.0	14.1	78	8.0	0	2	5	16	8	0	0	0	0	0	0	5	16	5	0	0	9	22	0	0	2	9	3	1	7	6	3	
	h.*	36	1005.2	-	60.8	4.0	14.1	78	8.0	0	2	5	16	8	0	0	0	0	0	0	5	16	5	0	0	9	22	0	0	2	9	3	1	7	6	3	
Mid Lothian. Edinburgh (Blackford Hill)	9	441	1005.6	-	58.2	3.5	12.9	79	8.0	0	1	7	12	11	0	0	0	0	1	4	22	4	0	0	0	6	24	1	1	6	0	3	2	6	11	1	
	21	441	1005.8	-	56.5	2.5	13.4	85	7.6	0	5	5	9	12	0	1	0	2	1	2	21	2	2	0	0	6	21	4	0	1	2	2	6	3	13		

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2 " "
6	" 2 " " 6 " "
7	" 6 " " 12 " "
8	" 12 " " 31 " "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

AUGUST, 1936.—Dry; warm and sunny during the latter part of the month.

The weather of the month was distinguished by a marked deficiency of rainfall, particularly over large areas in the southern half of England and Wales and the Midlands and in parts of southern Ireland. The first week was mainly cool but from the 23rd onwards conditions were, on the whole, unusually sunny and warm.

A trough of low pressure situated over the North Sea on the 1st and a depression which moved across Scotland to the Skagerrak between the 2nd and 4th, maintained cool, unsettled weather, with rain at times during the opening days of the month. A wedge of high pressure crossed Great Britain on the 5th but a new disturbance westward of Ireland moving east caused heavy rain in the west on the night of the 5th–6th and rain in England and southern Scotland on the 6th. In the rear of this system a cool, cloudy day was experienced in east and south-east England on the 7th, but a wedge of high pressure moving south-east across the British Isles maintained fair, sunny weather over a large part of England between the 7th and 9th. Meanwhile a trough of low pressure moving east caused rain in Scotland and Ireland. A depression over Belgium moving slowly north-east and a shallow trough of low pressure over Ireland moving slowly east caused rain locally at times between the 10th and 12th, while a new depression moving slowly north-east from off north-west Ireland gave further rain in places in the west and north from the 13th–15th. Subsequently pressure became high to the south and south-east of the British Isles while a depression skirted our north-west seaboard. Rain fell at times in the west and north but little or none occurred in the south-east. On the 19th, however, a small secondary depression moved rapidly across northern England and rain fell generally in England.

The Azores anticyclone spread north-eastward on the 22nd and thereafter dominated conditions over the greater part of the country. Some rain occurred at first in the west and north but from the 25th–28th inclusive, fair weather was general. Slight rain was again recorded locally in the west and north between the 29th and 31st. During the anticyclonic spell abundant sunshine was enjoyed and high day temperatures were recorded for the most part.

Pressure and Wind.—Mean pressure exceeded the average generally, the excess at 7 h. varying from 2.9 mb. at Lerwick and Wick to 5.5 mb. at Valentia Observatory and 5.6 mb. at St. Mary's, Scilly.

Gales were reported from a few stations on the 2nd and 3rd, from two or three places in Scotland on the 22nd and 23rd and from Kirkwall, Orkneys, on the 29th and 30th. Among the highest speeds registered in gusts were 50 m.p.h. at South Shields and 52 m.p.h. at Fleetwood on the 3rd, 53 m.p.h. at Manchester (Barton) on the 2nd and at Aberdeen on the 3rd and 54 m.p.h. at Bidston on the 4th, at Lerwick on the 23rd and at Kirkwall on the 30th.

Temperature.—Mean temperature exceeded the average generally, the excess varying from 0.6°F. in the Channel Islands to 2.8°F. in Scotland, E.

The first week was cool in most districts, particularly in east and south-east England. Subsequently warmer conditions prevailed and from the 23rd onwards the days were, for the most part, really warm.

On one or other of the days after the 23rd, 80°F. was reached or exceeded in many places. Another interesting feature of this period was the large diurnal range of temperature experienced at times. A range approaching or somewhat exceeding 40°F. was recorded at numerous stations in the eastern districts of England on the 29th; at Rickmansworth, where both the character of the soil and the situation of the station tend to induce extremes of temperature in quiet weather, the range amounted to 51°F. In east and south-east England the period 15th–17th was also warm.

The extremes for the month were:—(England and Wales) 85°F. at Rickmansworth on the 29th, 34°F. at Rickmansworth on the 22nd and 29th; (Scotland) 81°F. at Gordon Castle and Logie Coldstone on the 27th; 36°F. at Balmoral on the 7th; (Ireland) 80°F. at Glasnevin on the 29th and at Cork on the 31st and 41°F. at Phoenix Park, Dublin, on the 11th and 28th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 48, the values for the constituent countries being England and Wales 39, Scotland 70 and Ireland 45. It was only at a few isolated stations in northern England and west and north Scotland that rainfall exceeded the average. Less than 20 per cent of the average occurred over most of the south-west of England, parts of the southern Midlands and south Wales and locally in County Cork. At numerous stations in the west and south of England it was the driest August on record. For example, at Falmouth, Newquay, Barnstaple, Holne, Teignmouth, Ross-on-Wye and Totland Bay, Isle of Wight, it was the driest August since records were first taken in 1871, 1893, 1857, 1875, 1871, 1859 and 1887 respectively. At Teignmouth the month's total was less than 1 mm.

Thunderstorms occurred at times, particularly on the 4th, 10th and 15th. They were accompanied locally by heavy rain and among heavy falls in 24 hours or less may be mentioned:—

- 9th. 23 mm. at South Shields in two periods of 25 minutes and 10 minutes.
- 10th. 66 mm. at Leatherhead in 75 minutes, and 50 mm. at Leyland in just over 90 minutes.
- 15th. 58 mm. at Carrbridge (Inverness-shire).
- 19th. 60 mm. at Festiniog (Merioneth).

Sunshine.—Sunshine was rather variable but exceeded the average for the country as a whole. The percentage of the average for the different districts varied from 87 in Scotland, N. to 126 in Scotland, E. The first half of the month was dull in most districts but the period 22nd–29th inclusive was unusually sunny. The mean daily sunshine for the week exceeded 10 hours at a large number of stations and amounted to 13.0 hours at Jersey, 12.8 hours at Guernsey, 12.0 hours at Falmouth, 11.7 hours at Torquay and 11.5 hours at Scilly.

Fog.—Fog was reported locally at times mainly from the 1st–2nd, 6th–11th, 14th–17th, 19th–20th and 24th–30th.

Miscellaneous Phenomena.—Solar halos were noted at Oxford on seven days.

TABLE I.—DISTRICT VALUES.— AUGUST, 1936

[1906, revised 1928.]

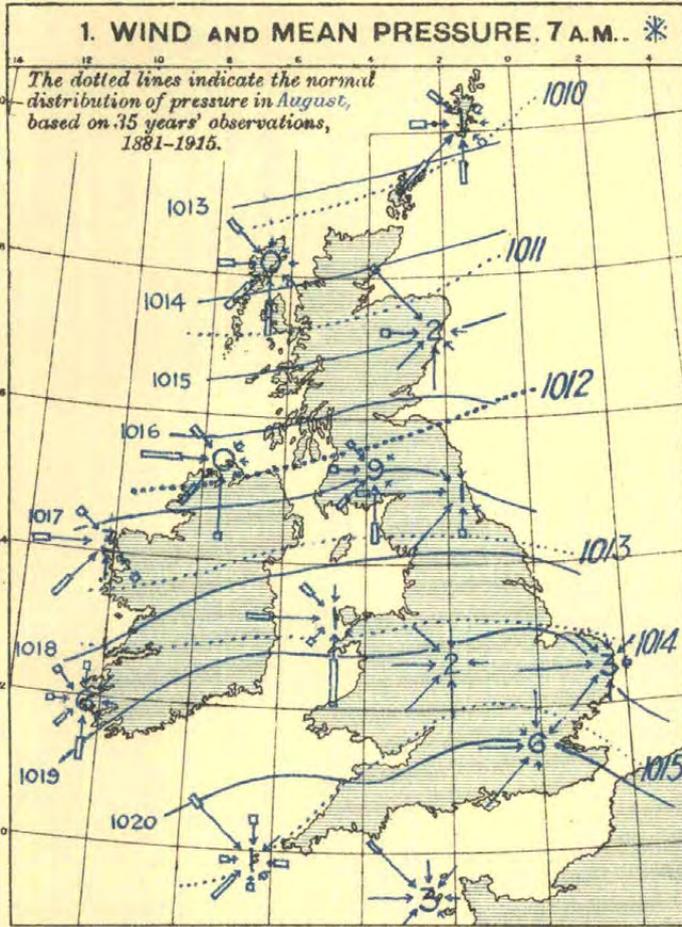
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE		DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration		Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	76	38	+2.3	-	-	85	-5	87	23	6. SCOTLAND, W. (and I. of Man)	77	38	+1.7	+0.5	-0.2	59	-1	103	29
Eastern.										7. ENGLAND, N.W. (and N. Wales)	80	39	+1.5	+1.2	+0.4	54	-5	109	38
1. SCOTLAND, E.	81	36	+2.8	-	-	57	-5	126	38	8. ENGLAND, S.W. (and S. Wales)	83	38	+1.6	+0.7	+0.2	14	-7	110	44
2. ENGLAND, N.E.	82	40	+1.9	+1.3	+0.1	68	-7	117	40	9. IRELAND, N. . .	78	42	+2.6	+1.1	+0.4	58	-5	96	27
3. ENGLAND, E.	85	34	+0.9	-0.1	-0.3	26	-8	94	40	10. IRELAND, S. . .	80	41	+2.0	+0.7	-0.3	35	-5	99	33
4. MIDLAND COUNTIES . .	83	37	+1.8	+0.4	+0.2	33	-8	108	39	11. CHANNEL I. (and Scilly)	81	52	+0.6	+0.4	-0.5	27	-7	106	52
5. ENGLAND, S.E.	84	38	+1.0	+0.5	0.0	37	-8	101	43	Mean : DISTRICTS	85	34	+1.8	+0.7	+0.1	41	-6	106	37

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— AUGUST, 1936

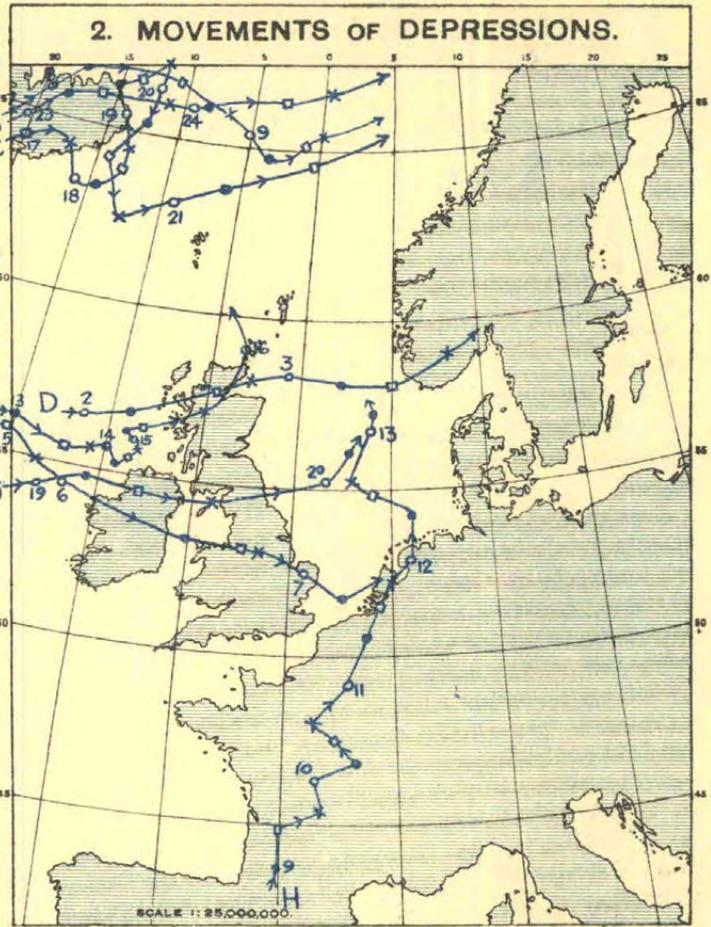
[1914.]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time			
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Shetland. Lerwick . . .	310	53	39	-	0	13	107	354	254	29	0	240	36	16	23 11	54	24	23	10 15
Orkney. Kirkwall . . .	170	40	35	-	0	2	13	279	380	72	0	280	28	13	30 06	54	24	30	10 45
Hebrides. Stornoway . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																			
Aberdeen. Aberdeen . . .	70	42	32	-	0	1	1	91	(396)	(256)	0	290	26	11	3 07	53	24	3	06 30
Kincardine. Balmakewan . .	140	25	20	-	0	0	0	61	454	229	0	280	22	10	30 04	49	22	2	16 10
Angus. Bell Rock Lighthouse	130	-	126	-	0	7	74	374	247	49	0	220	37	17	23 14	45	20	23	13 30
Edinburgh. Edinburgh . . .	485	39	23	-	0	0	0	116	399	220	9	270	22	10	30 15	37	17	2	15 20
6a. SCOTLAND, W.																			
Argyll. Tiree . . .	75	50	42	-	0	4	12	288	364	80	0	230	26	12	23 15	39	17	18	09 20
Renfrew. Paisley . . .	188	81	31	-	0	0	0	61	454	229	0	280	22	10	30 04	49	22	2	16 10
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	1	1	127	392	224	0	270	25	11	30 04	47	21	30	04 00
Dumfries. Eskdalemuir . . .	825	50	35	-	0	5	8	222	366	148	0	290	23	13	30 23	41	18	30	22 40
6b. ISLE OF MAN.																			
Isle of Man. Point of Ayre . .	70	40	-	-	0	6	20	263	322	139	0	330	31	14	3 22	45	20	2	08 45
2. ENGLAND, N.E.																			
Durham. South Shields . . .	73	57	44	-	0	3	11	201	365	167	0	270	28	13	3 12	50	22	3	11 55
Yorks., N.R. Catterick . . .	220	45	33	-	0	0	0	60	419	265	0	270	22	10	3 18	46	21	23	18 00
Yorks., E.R. Spurn Head . . .	64	42	34	-	0	6	44	219	399	82	0	10	33	15	7 03	47	21	3	14 30
Lincoln. Cranwell . . .	284	43	33	-	0	0	0	85	469	190	0	270	20	9	4 15	38	17	3	13 55
3. ENGLAND, E.																			
Norfolk. Gorleston . . .	52	42	34	-	0	0	0	64	480	182	18	350	22	10	7 17	35	16	4	16 50
Suffolk. Felixstowe Aero. . .	60	45	35	-	0	0	0	73	522	149	0	180	21	9	2 13	41	18	2	12 40
Suffolk. Mildenhall . . .	64	45	20	-	0	1	4	127	469	144	0	230	30	13	2 15	42	19	2	15 20
Bedford. Cardington . . .	285	150	135	-	0	3	9	210	463	47	15	220	29	13	2 12	43	19	2	11 20
Essex. Shoeburyness . . .	115	104	89	-	0	0	0	73	578	93	0	260	21	9	2 17	38	17	2	15 30
4. MIDLAND COUNTIES.																			
Warwick. Birmingham . . .	643	118	73	-	0	0	0	73	578	93	0	260	21	9	2 17	38	17	2	15 30
5. ENGLAND, S.E.																			
London. South Kensington . .	137	110	30	-	0	0	0	32	515	197	0	250	16	7	2 17	41	18	2	14 25
Surrey. Kew Observatory . . .	92	75	50	-	0	0	0	50	447	247	0	210	17	8	2 13	42	19	2	16 45
Surrey. Croydon . . .	313	105	70	-	0	0	0	123	421	200	0	270	23	10	3 14	38	17	3	14 10
Kent. Dover . . .	66	66	60	-	0	1	2	188	434	120	0	-	26	12	2 10	43	19	2	12 05
Kent. Lympne . . .	418	76	48	-	0	1	1	124	534	85	0	220	25	11	2 14	45	20	2	13 40
Hampshire. Calshot . . .	58	50	42	-	0	3	9	143	443	149	0	210	29	13	2 10	45	20	2	10 25
Wiltshire. Boscombe Down . .	462	45	33	-	0	0	0	65	415	264	0	250	21	9	2 14	38	17	2	16 35
Wiltshire. Larkhill . . .	491	51	36	-	0	0	0	141	460	143	0	260	23	10	2 14	41	18	2	13 05
7a. ENGLAND, N.W.																			
Lancashire. Fleetwood . . .	112	50	31	-	0	7	67	230	393	54	0	310	36	16	3 22	52	23	3	21 45
Lancashire. Manchester (Barton)	153	83	80	-	0	3	17	139	404	184	0	290	33	15	2 15	53	24	2	14 30
Lancashire. Southport . . .	60	42	33	-	0	4	56	243	398	47	0	280	32	14	4 15	47	21	3	22 25
Cheshire. Bidston Obs'y. . .	262	64	39	-	0	3	50	197	387	110	0	290	34	15	4 15	54	24	4	13 55
7b. NORTH WALES.																			
Anglesey. Holyhead . . .	68	43	35	-	0	3	17	307	316	103	1	310	30	13	6 16	44	20	2	03 30
Flint. Sealand . . .	81	65	42	-	0	2	13	169	426	136	0	290	28	13	4 15	44	20	3	12 45
8b. ENGLAND, S.W.																			
Devon. Moretonhampstead . . .	838	40	35	-	0	0	0	90	371	264	19	230	21	9	2 08	46	21	2	06 50
Devon. Plymouth . . .	185	88	65	-	0	0	0	59	386	299	0	-	21	9	27 14	35	16	2	14 35
Cornwall. The Lizard . . .	315	75	60	-	0	5	31	240	343	124	6	60	32	14	26 16	47	21	26	16 15
Cornwall. Pendennis Castle . .	256	65	42	-	0	5	44	189	359	134	18	50	36	16	26 14	48	21	26	13 50
9. IRELAND, N.																			
Donegal. Dunfanaghy Road . .	180	47	30	-	0	4	15	157	236	277	59	-	34	15	2 08	48	21	2	07 20
Antrim. Aldergrove . . .	282	40	20	-	0	0	0	88	482	174	0	(250 250)	19	9	2 11	39	17	3	12 30
10. IRELAND, S.																			
Dublin. Kingstown (Cup Anr.) . .	49	27	27	-	0	5	28	263	358	95	0	(280 280)	30	13	11 04	-	-	-	-
Clare. Quilty . . .	100	40	32	-	0	1	1	310	364	69	0	-	25	11	2 03	34	15	2	01 45
Kerry. Valentia Observatory . .	98	41	33	-	0	1	1	186	417	140	0	180	25	11	19 01	44	19	19	00 15
Cork. Cork . . .	132	71	40	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. SCILLY ISLES.																			
St. Mary's . . .	230	65	57	-	0	6	31	343	321	49	0	270	31	14	2 16	44	20	26	15 35

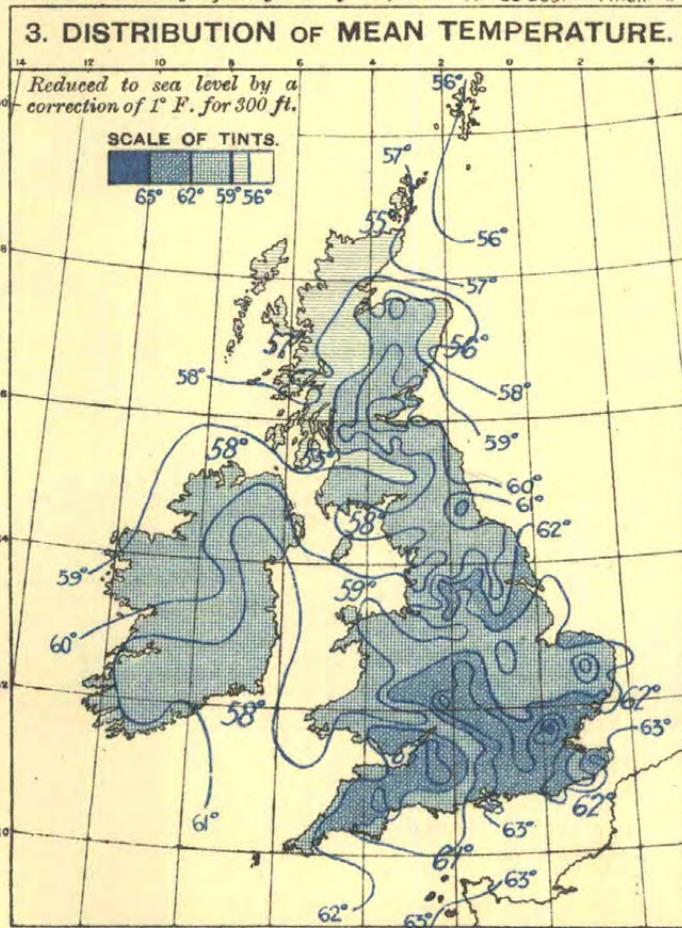
†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 † Data inaccurate prior to October, 1929 (see 19



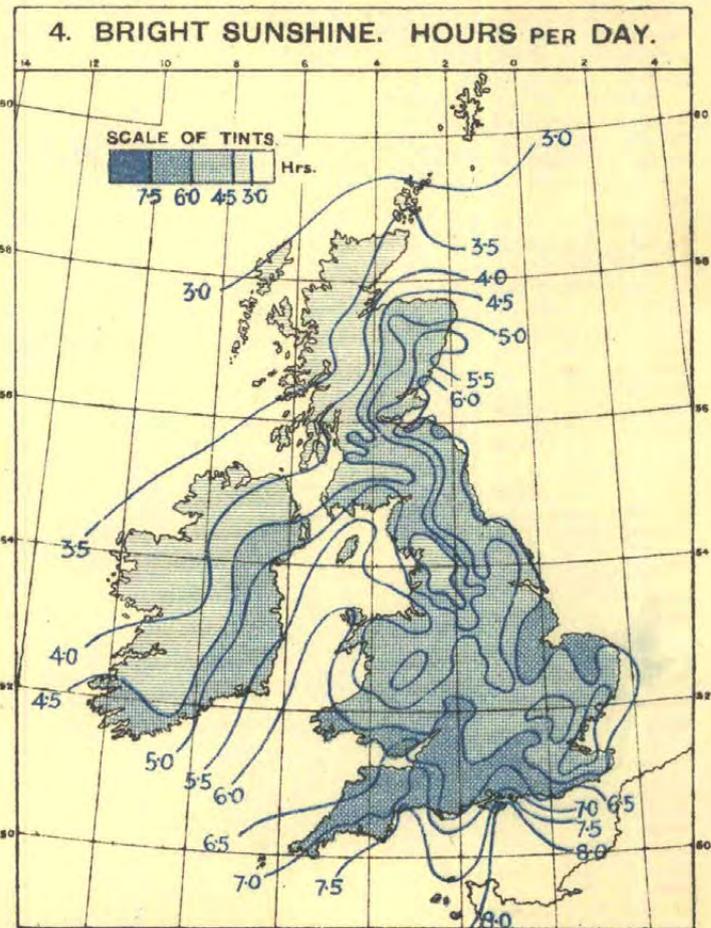
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG SCALE 30 Obs. = 1 Inch *



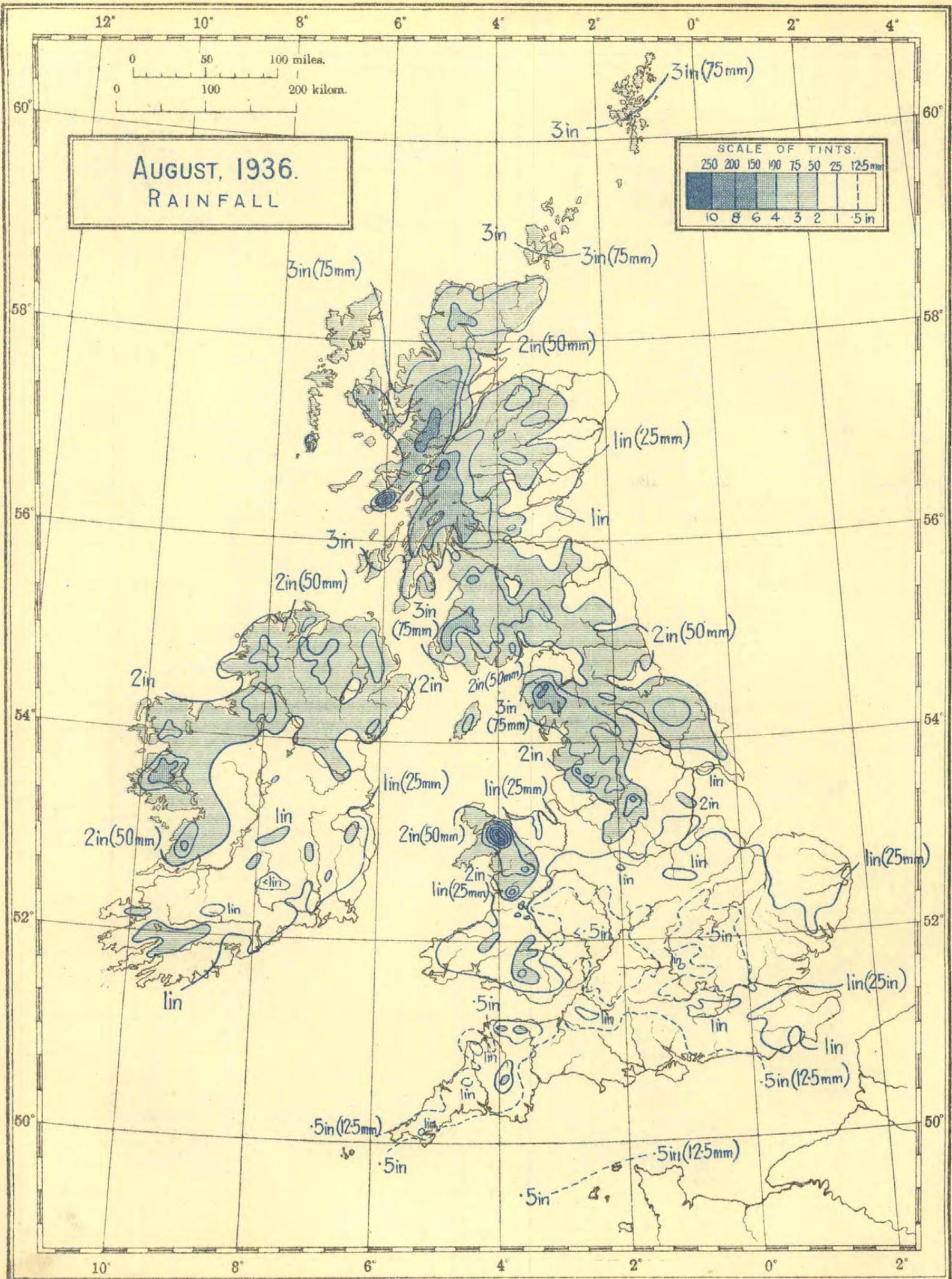
Positions of centres are shown thus: -O at 1hr; ● at 7h; □ at 13h; X at 18h.



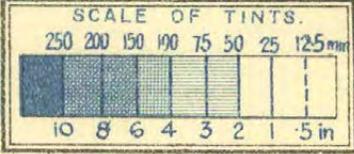
Sea temperatures are shown in large figures, thus: 59°



*The pressure is expressed in millibars.



AUGUST, 1936.
RAINFALL



Scale 1 : 5,000,000.

Pub. 481/3185, No. 221, 1/17, 1/18, 1/19, 1/20, 1/21, 1/22, 1/23, 1/24, 1/25, 1/26, 1/27, 1/28, 1/29, 1/30, 1/31, 1/32, 1/33, 1/34, 1/35, 1/36, 1/37, 1/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45, 1/46, 1/47, 1/48, 1/49, 1/50, 1/51, 1/52, 1/53, 1/54, 1/55, 1/56, 1/57, 1/58, 1/59, 1/60, 1/61, 1/62, 1/63, 1/64, 1/65, 1/66, 1/67, 1/68, 1/69, 1/70, 1/71, 1/72, 1/73, 1/74, 1/75, 1/76, 1/77, 1/78, 1/79, 1/80, 1/81, 1/82, 1/83, 1/84, 1/85, 1/86, 1/87, 1/88, 1/89, 1/90, 1/91, 1/92, 1/93, 1/94, 1/95, 1/96, 1/97, 1/98, 1/99, 1/100, 1/101, 1/102, 1/103, 1/104, 1/105, 1/106, 1/107, 1/108, 1/109, 1/110, 1/111, 1/112, 1/113, 1/114, 1/115, 1/116, 1/117, 1/118, 1/119, 1/120, 1/121, 1/122, 1/123, 1/124, 1/125, 1/126, 1/127, 1/128, 1/129, 1/130, 1/131, 1/132, 1/133, 1/134, 1/135, 1/136, 1/137, 1/138, 1/139, 1/140, 1/141, 1/142, 1/143, 1/144, 1/145, 1/146, 1/147, 1/148, 1/149, 1/150, 1/151, 1/152, 1/153, 1/154, 1/155, 1/156, 1/157, 1/158, 1/159, 1/160, 1/161, 1/162, 1/163, 1/164, 1/165, 1/166, 1/167, 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The equivalent values in mm are given in round numbers. The exact relation is 10in = 254mm, 1mm = .03937in.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, AUGUST, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE					
			Means of				Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (Mor'n'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.				
			A	B	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date								0.2 mm. or more	1 mm. or more		Snow	Thunder	Fog	Ground	Gale	Daily Mean	Difference from Average
			Max.	Min.							Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.										
5. ENGLAND, S.E.—cont.																														
Hampshire.	Bournemouth	9 9 9	139	71.3	53.6	62.5	+1.2	80	30	46	9	62.8	61.2	0.19	5	-59	2	11	4	3	0	0	0	0	2	-	7.10	+0.46	49	
	Calshot	18-7 7	8	70.0	55.1	62.5	+1.1	78	30	50	9,24	-	-	0.23	6	-45	2	19	5	3	0	0	0	0	1	0	6.90	+0.52	48	
	Leckford	9 9 9	385	70.2	51.8	61.0	-	82	29	44	9	60.9	-	0.24	6	-	2	19	7	2	0	0	0	0	-	6.19	-	43		
	Long Sutton	9 9 9	479	71.0	52.8	61.9	-	83	29	46	23,27	63.4	-	1.01	26	-	14	10	6	4	0	0	0	1	2	0	6.54	-	45	
	Southamp'n	9 9 9	2121 9	64	70.7	53.9	62.3	+0.4	81	29	47	9	-	0.41	10	-57	4	11	5	5	0	0	0	0	0	0	6.67	+0.30	46	
	S. Farnboro'	18 7 7	237	72.6	50.8	61.7	+1.0	83	29,30	40	23	-	-	0.63	16	-40	5	10	6	5	0	0	0	1	5	0	6.15	+0.10	42	
I. of Wight.																														
	Newport	9 9 9	48	73.0	52.3	62.7	-	82	29	44	23	-	-	0.40	10	-	4	2	5	3	0	0	0	0	1	0	-	-	-	
	Ryde	9 9 9	13	70.6	56.3	63.5	+2.6	79	30	51	9,15	-	-	0.22	6	-	2	19	5	3	0	0	0	0	1	0	7.59	+0.70	52	
	Sandown	9 9 9	13	69.5	56.2	62.9	+0.6	78	31	52	15,23	-	-	0.26	7	-	3	2	5	2	0	0	0	0	0	-	8.42	+1.66	58	
	Totland Bay	9 9 9	140	69.0	55.2	62.1	+0.9	76	31	49	9,23	-	-	0.17	4	-53	3	2	4	1	0	0	0	0	1	0	7.45	+0.93	51	
	Ventnor(Hospital)	9 9 9	59	69.2	57.1	63.1	+1.0	77	25	54	4,9,22	-	-	0.21	5	-46	2	2	4	3	0	0	0	0	-	8.07	+1.42	56		
Wilts.																														
	Amesbury (Boscombe Down)	18-7 7	417	70.1	51.8	60.9	-	83	29	43	8	-	-	0.28	7	-	3	19	5	3	0	0	0	0	7	0	6.18	-	43	
	Larkhill	9 9 9	440	70.0	51.2	60.6	+1.3	84	29	42	8	-	-	0.27	7	-48	2	19	5	4	0	0	0	0	1	0	-	-	-	
	Marlboro'	9 9 9	424	70.6	49.5	60.1	+1.5	83	29	38	23	60.4	57.4	0.58	15	-52	5	19	5	4	0	0	0	0	2	0	0	5.94	+0.58	41
	Porton	9 9 9	363	70.6	50.0	60.3	+1.2	83	29	39	23	61.0	-	0.17	4	-53	3	19	5	1	0	0	0	0	1	0	6.30	-	43	
7a. ENGLAND, N.W.																														
Cumberland.	Keswick	9 9 9	254	66.0	52.6	59.3	+1.6	76	29	42	7	60.1	56.9	1.70	43	-90	10	18	12	10	0	0	0	0	0	0	4.88	+0.85	33	
	Newton Rigg	9 9 9	560	66.6	50.4	58.5	+2.0	77	28	42	7,29	-	-	1.41	36	-55	14	5	11	7	0	0	0	0	0	0	5.68	+0.93	38	
Westmorland.	Ambleside	9 9 9	145	67.5	51.0	59.3	-	75	25,28,29	43	8,29	-	-	4.28	109	-	18	5	16	14	0	0	0	0	0	-	4.38	-	29	
	Appleby	9 9 9	440	66.6	50.3	58.5	+2.3	75	28	39	29	-	-	1.65	42	-42	12	5	15	10	0	0	0	0	-	-	-	-	-	
Lancashire.																														
	Bolton	9 9 9	342	67.2	53.0	60.1	+1.6	76	29	46	23	60.0	57.1	2.90	74	-42	16	5	15	12	0	0	0	1	-	0	4.50	+0.45	318	
	Burnley	9 9 9	458	66.2	51.6	58.9	+1.3	78	28	42	28	59.7	56.7	2.24	57	-	12	5	16	10	0	0	0	1	0	0	4.11	-0.06	28	
	Darwen	2121 9	724	67.8	51.9	59.9	+2.5	78	25	46	7,23	60.7	56.3	3.16	80	-80	24	5	17	13	0	0	0	2	0	0	4.41	+0.21	30	
	Hutton	9 9 9	82	67.3	52.5	59.9	+1.4	77	28	42	29	60.4	57.5	2.20	56	-	16	5	14	11	0	0	0	1	0	0	4.44	-0.28	30	
	Lancaster	9 9 9	312	66.7	53.5	60.1	+1.4	76	28	45	7	-	-	3.30	84	-31	21	5	14	12	0	0	0	0	0	0	4.37	-0.28	29	
	Leyland	9 9 9	125	66.9	52.1	59.5	+1.7	76	28	43	27	-	-	3.98	101	+3	50	10	13	12	0	0	0	2	0	0	4.68	-0.08	32	
	Manchester (Barton)	18-7 7	70	68.5	51.5	60.0	-	78	29	40	23	-	-	1.90	48	-	9	19	14	9	0	0	0	0	4	0	5.24	-	36	
	(Oldham Road)	2121 9	191	69.4	56.7	63.1	+2.8	80	29	50	23	61.8	59.6	2.50	63	-31	14	5	13	11	0	0	0	0	0	-	4.05	+0.30	288	
	(Whitworth Pk.)	2121 9	125	68.6	54.8	61.7	+2.0	78	29	48	8,23	-	-	2.37	60	-28	11	1	13	11	-	-	-	-	0	-	4.27	+0.29	29	
	Southport (Bedford Rd.Pk.)	9 9 9	35	67.1	54.1	60.6	+1.5	78	28	43	8	62.5	59.2	1.81	46	-42	12	5	13	10	0	0	0	0	0	0	5.30	-0.31	36	
	Stonyhurst	9 9 9	377	65.3	53.0	59.1	+1.2	73	28	47	8,23	-	-	3.45	88	-41	23	5	15	13	0	0	0	2	0	0	4.69	-0.02	32	
Cheshire.																														
	Bidston Obs'y	9 9 9	198	64.9	54.9	59.9	+0.8	75	28	49	8,23	-	-	1.50	38	-40	9	18	12	9	0	0	0	0	0	0	5.71	+0.59	39	
	Hoylake	9 9 9	23	67.8	53.6	60.7	+0.9	74	24,28	44	23	-	-	1.29	33	-41	7	5	11	7	0	0	0	0	0	-	6.25	+0.72	43	
	Macclesfield	9 9 9	500	67.8	53.1	60.5	+2.2	79	29	45	23	-	-	1.66	42	-54	11	1	13	10	0	0	0	1	0	-	-	-	-	
	West Kirby	9 9 9	25	68.3	54.8	61.5	-	77	28	46	8	-	-	1.28	33	-46	7	5	11	6	0	0	0	0	0	0	5.76	-	39	
7b. NORTH WALES.																														
Flint.	Hawarden B'dge	9 9 9	17	68.9	52.5	60.7	+0.6	78	29	41	23	-	-	1.21	31	-	7	5,19	10	6	0	0	0	0	0	-	-	-	-	
	Rhyl	9 9 9	31	67.3	54.1	60.7	+1.0	79	28	46	23	-	-	0.85	21	-51	5	18	12	8	0	0	0	0	0	0	5.73	+0.05	39	
	Sealand	18-7 7	16	69.0	52.2	60.6	+1.5	78	29	42	8,23	61.5	57.9	1.31	33	-40	8	19	10	5	0	0	0	0	1	0	5.82	+0.86	40	
Anglesey.	Holyhead	18-7 7	26	63.8	56.0	59.9	+1.4	70	29	54	8,20,29	-	-	2.10	53	-28	21	5	14	9	0	0	0	0	0	0	6.16	+0.77	42	
Denbigh.	Colwyn Bay	9 9 9	118	67.3	55.0	61.1	+0.8	75	26	48	8	-	-	0.94	24	-57	7	10	13	7	0	0	0	0	2	-	5.42	+0.18	37	
Carnarvon.	Aber	9 9 9	60	66.8	54.9	60.9	-	75	26	48	8,23	-	-	1.32	33	-	8	5	10	8	0	0	0	0	0	(0)	5.25	-	36	
	Llandudno	9 9 9	13	67.0	55.8	61.4	+1.4	76	26	49	8,23	-	-	0.59	15	-57	6	5	11	3	0	0	0	0	0	0	5.58	+0.07	38	
Montgomery.	Welshpool	9 9 9	254	69.0	52.1	60.5	+1.4	79	29	42	23,28	-	-	0.47	12	-64	5	19	8	2	0	0	0	0	1	-	-	-	-	
8a. SOUTH WALES.																														
Cardigan.	Aberystwyth	9 9 9	12	65.1	55.7	60.4	+0.5	75	27	47	23	-	-	1.01	26	-	10	5	12	7	0	0	0	0	0	-	5.45	+0.46	37	
	" P.B.S.†	9 9 9	452	63.6	54.0	58.8	-	75	28	46	23	-	-	1.40	36	-	12	5	14	8	0	0	0	0	1	0	5.42	-	37	
	Ciliau Aeron	9 9 9	252	67.2	52.6	59.9	-	78	29	43	8,23	-	-	0.76	19	-	6	5	14	7	0	0	0	0	1	-	5.55	-	38	
Pembroke.	Haverfordwest	2121 9	233	67.3	52.6	59.9	-	79	25,26	40	8	-	-	1.73	44	-	13	14	11	10	0	0	0							

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, AUGUST, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE												
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day																
			A Max.	B Min.		Mean of A and B	Maximum	Date												Minimum	Date	in.	mm.	mm.	mm.	0-2 mm. or more	1 mm. or more	Snow	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.	
8b. ENGLAND, S.W.—cont.																																				
Dorset.	Holton Heath	9 9 9	64	70.5	51.5	61.0	+1.1	79	29,30	44	23	65.1	63.3	0.13	3	0.9	1,5	4	0	0	0	0	0	0	0	0	0	0	6.10	-0.26	42					
	Portland Bill	18-7 7	32	65.5	57.2	61.3	+0.5	71	25,29	54	8,9	-	-	0.16	4	-4.5	1,6,12,29	4	3	0	0	0	0	0	0	2	-	-	-	-						
Devon.																																				
	Shaftesbury	9 9 9	722	68.0	53.8	60.9	+1.6	79	25	49	22	-	-	0.28	7	-6.7	2	19	6	4	0	0	0	0	0	0	0	-	-	-	-					
	Arlington	9 9 9	613	66.9	52.9	59.9	+1.4	79	29	45	23	-	-	2.27	58	-7.2	18	5	14	9	0	0	0	0	0	0	0	-	-	-	-					
	Cullompton	9 9 9	202	71.4	52.5	61.9	+1.3	83	29	42	23	63.6	-	0.28	7	-7.0	2	19	8	4	0	0	0	0	0	0	0	-	-	-	-					
	Ilfracombe	9 9 9	25	66.0	57.6	61.8	+0.6	76	25	55	27,28	64.5	61.5	0.80	20	-6.8	8	6	10	4	0	0	0	0	0	0	0	-	-	-	-					
	Killerton	9 9 9	159	71.8	52.3	62.1	+1.8	82	25,29	42	23	-	-	0.10	3	-	0.6	1	7	0	-	-	-	-	-	0	-	-	-	-	-					
	Newtonhamstead	9 9 9	798	66.6	52.6	59.6	-	75	25,29	45	9	59.7	55.7	0.09	2	-	0.6	11	6	0	0	0	0	0	0	2	0	0	6.93	-	48					
	Newton Abbot	9 9 9	375	70.9	53.9	62.4	-	81	29,30,31	48	23	-	-	0.12	3	-6.2	1	5	6	1	0	0	0	0	0	0	0	0	-	-	6.75	-	47			
	Paignton	9 9 9	12	68.8	54.4	61.6	0.0	76	31	48	29	-	-	0.18	5	-	1	6	6	2	0	0	0	0	0	0	0	-	-	-	-					
	Plymouth (Hoe)	2121 9	117	68.3	55.4	61.9	+1.0	78	29,31	50	8,23	63.8	60.7	0.52	13	-6.5	4	5	10	5	0	0	0	0	0	0	0	0	-	-	-	-				
	Plymouth (Mount Batten)	18-7 7	82	67.0	55.3	61.1	+1.1	77	29	48	8,13	-	-	0.51	13	-	3	19	8	6	0	0	0	0	0	0	0	0	-	-	-	-				
	Princetown	9 9 9	1430	65.5	51.2	58.3	+2.0	77	28,29	47	9,13	-	-	2.05	52	-12.1	13	19	13	11	0	0	0	0	0	0	9	-	-	-	-					
	Sidmouth	9 9 9	25	68.5	54.8	61.7	+1.6	78	31	48	8,9	-	-	0.10	3	-	0.8	13	6	0	0	0	0	0	0	0	0	-	-	-	-	7.43	-	51		
	Tavistock	9 9 9	457	68.9	52.7	60.8	+1.9	81	29	44	13	-	60.5	0.60	15	-8.5	5	19	11	6	0	0	0	0	0	0	0	0	-	-	-	-				
	Teignmouth	9 9 9	20	69.1	55.6	62.3	+0.3	79	31	49	8	-	-	0.03	1	-5.6	0.6	1	2	0	0	0	0	0	0	0	0	-	-	-	-	7.51	+1.20	52		
	Torquay	9 9 9	27	68.6	55.3	61.9	0.0	75	31	50	8,23	-	61.3	0.15	4	-5.9	1	6	6	2	0	0	0	0	0	0	0	0	-	-	-	-	7.75	+1.11	54	
Cornwall.																																				
	Falmouth Obs.	9 9 9	167	67.7	56.4	62.1	+1.5	76	31	51	23	64.3	62.5	0.47	12	-7.1	4	5	8	4	0	0	0	0	0	0	0	0	-	-	-	-	7.43	+1.05	52	
	Fowey	9 9 9	51	69.2	55.0	62.1	+1.1	79	31	49	8,23,24	-	-	0.68	17	-	7	5	8	7	0	0	0	0	0	0	0	-	-	-	-	7.06	+1.20	49		
	Gulval	9 9 9	20	68.0	54.2	61.1	-	77	25	48	24	-	-	0.57	14	-	5	5	8	5	0	0	0	0	0	0	0	0	-	-	-	-	6.68	-	46	
	The Lizard	18-7 7	240	65.4	55.6	60.5	-	71	31	52	11,22,23	-	-	0.39	10	-	4	6	9	3	0	0	0	0	0	0	0	0	-	-	-	-	-	-		
	Newquay	9 9 9	190	65.5	55.6	60.5	+0.3	76	29	46	23	61.8	59.4	0.52	13	-5.3	5	5	7	5	0	0	0	0	0	0	0	0	-	-	-	-	6.57	+0.42	46	
	Redruth	9 9 9	397	66.1	54.6	60.3	+0.7	74	25,29	49	23	-	-	0.65	17	-7.0	6	5	7	5	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
9. IRELAND, N.																																				
Sligo.	Markree Cas.	2121 9	122	66.3	52.3	59.3	+2.4	77	26	42	20	60.8	57.1	2.44	62	-5.8	15	5	19	14	0	0	0	0	0	0	0	0	0	3.88	-0.18	26				
Mayo.	Blacksod Pt.	18-7 7	18	62.9	55.0	58.9	-	73	26	49	7	-	-	2.48	63	-5.3	13	5,18	17	11	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
	Mallaranny	9 9 9	113	64.5	54.2	59.3	+1.7	78	26	49	7	-	-	3.85	98	-	19	18	20	17	-	-	-	-	-	-	0	-	-	-	-	-	-	3.74	-0.40	25
Donegal.	Malin Head	18-7 7	84	62.6	55.6	59.1	+2.8	70	27	52	6,10	-	-	2.94	75	-1.5	12	1	16	13	0	0	0	0	0	0	0	0	0	0	3.72	-0.57	25			
Antrim.	Aldergrove	18-7 7	238	67.0	52.6	59.8	-	74	25,28,29	46	11,28	-	-	2.41	61	-3.0	24	5	16	9	0	0	0	0	0	0	0	0	0	0	4.44	-	30			
Down.	Donaghadee	8 8 8	40	65.3	53.9	59.6	+2.6	75	29	49	11,18	-	-	2.65	67	-1.8	16	5	19	15	-	-	-	-	-	-	0	0	-	-	-	-	-	4.55	-	31
	Hillsborough	9 9 9	388	65.5	52.3	58.9	-	74	29	46	28	59.8	-	2.56	65	-	24	5	14	12	0	0	0	0	0	0	0	0	0	4.92	-	33				
Armagh.	Armagh	2121 9	204	67.9	52.7	60.3	+2.6	78	25	46	28	61.7	58.2	1.74	44	-4.8	19	5	14	8	0	0	0	0	0	0	0	0	0	4.93	+0.53	33				
Longford.	Newtownforbes	2121 9	154	66.6	51.8	59.2	+2.1	77	25	45	5, 7, 18	60.1	57.2	1.57	40	-6.4	14	5	11	9	0	0	0	0	0	0	0	-	-	-	-	-	-			
10. IRELAND, S.																																				
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Dublin City	2121 9	54	67.4	56.3	61.9	+2.4	76	29	50	7	-	-	1.15	29	-4.8	9	18	13	10	0	0	0	0	0	0	0	0	0	-	-	-	-	-		
	Glasnevin	2121 9	55	69.4	52.6	61.0	+2.3	80	29	43	28	-	-	1.14	29	-5.3	12	18	11	5	0	0	0	0	0	0	0	0	0	-	-	-	-	-		
	Phoenix Pk.	2121 9	155	68.7	52.3	60.5	+2.8	78	29	41	11,28	-	-	1.08	27	-5.3	9	18	13	7	0	0	0	0	0	0	0	0	0	-	-	-	-	5.38	+0.36	37
	Trin. Coll.	2121 9	13	68.7	55.5	62.1	+2.7	76	17,25	49	7,11	62.7	58.9	0.97	25	-4.9	10	18	11	5	0	0	0	0	0	0	0	0	0	-	-	-	-	-		
	Hazelhatch	9 9 9	366	68.2	51.7	59.9	-	80	29	42	11	62.4	59.2	1.01	26	-	6	18	9	8	-	-	-	-	-	-	0	-	-	-	-	-	4.95	-	33	
	(Peamount San.)																																			
	Rathfarnham	9 9 9	169	68.6	54.2	61.4	-	78	29	45	11	61.5	-	0.86	22	-	8	5	10	6	0	0	0	0	0	0	0	0	-	-	-	-	5.59	-	38	
Wicklow.	Newcastle	2121 9	256	68.2	53.3	60.7	+2.2	78	29	48	7,28	-	-	0.69	17	-	6	5	11	5	0	0	0	0	0	0	0	0	-	-	-	-	-	-		
Offaly.	Birr Castle	18-7 7	173	67.9	52.7	60.3	+2.6	78	25,26	44	7	60.0	57.1	1.92	49	-4.8	18	18	11	5	0	0	0	0	0	0	0	0	0	4.17	-0.29	28				
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	67.1	52.8	59.9	+1.8	76	29	48	7,8,18	-	-	0.69	18	-	8	18																		

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of AUGUST, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION												
										0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.
			ft.	mb.	°F.	°F.	mb.	%	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.
2. ENGLAND, N.E.—cont.																																							
Durham. Durham ..	9	352	1017.6	-	60.6	3.5	14.6	80	7.2	2	2	5	12	10	0	0	0	0	0	0	5	2	14	7	3	0	0	1	26	4	1	1	1	0	0	0	0	0	0
	21	352	1017.9	-	57.3	1.8	14.1	88	5.8	2	8	6	5	10	0	0	0	0	0	0	2	1	24	2	2	0	0	0	3	17	11	1	1	0	0	0	0	0	0
Yorks., Catterick ..	7	186	1017.9	-	55.4	1.9	13.3	89	7.8	0	5	1	15	10	0	1	0	2	1	7	2	4	14	1	0	2	25	4	2	0	0	6	7	2	5	5	5	5	
	13	186	1017.3	-	65.6	6.2	14.7	68	7.6	1	2	3	21	4	0	0	0	0	0	0	2	5	6	15	3	0	5	26	0	1	2	1	2	4	7	9	5	5	
Yorks., N. Riding	18	186	1017.1	-	63.3	4.7	14.8	75	6.2	1	7	6	14	3	0	0	0	0	0	0	2	4	4	17	4	0	5	23	3	1	1	1	2	4	4	11	6	7	4
	9	96	1017.7	-	63.4	4.7	14.6	74	4.1	0	21	4	6	0	0	0	0	0	0	0	0	10	15	6	0	0	1	30	0	1	1	0	2	4	10	6	6	7	4
Yorks., N. Riding.	9	53	1018.8	-	60.9	3.8	13.8	78	6.0	6	2	7	7	9	-	-	-	-	-	-	-	-	-	-	-	-	1	29	1	4	1	0	2	5	1	11	1	1	
	21	53	1018.8	-	60.1	3.2	14.2	81	4.1	12	6	2	1	10	-	-	-	-	-	-	-	-	-	-	-	-	0	29	2	3	2	3	3	2	1	14	1	1	
Yorks., E. Riding.	1	28	1017.8	-	58.0	1.2	15.3	92	6.0	4	8	3	7	9	0	1	0	0	0	0	6	18	6	0	0	0	10	18	3	2	1	0	2	4	6	8	5	5	
	7	28	1018.4	+5.0	58.3	1.7	14.8	89	6.7	2	6	3	12	8	0	1	0	1	1	4	23	8	2	1	0	12	17	2	0	3	1	1	3	4	7	10	7	10	
	13	28	1018.4	-	65.4	4.6	15.9	75	6.8	0	5	8	13	5	0	0	0	1	1	2	7	13	7	0	0	10	21	0	2	2	7	2	3	5	8	5	8	8	
	18	28	1017.9	-	62.4	2.9	15.8	83	6.8	1	4	8	14	4	0	0	0	0	0	0	9	16	5	0	0	0	12	15	4	1	1	3	5	4	2	5	6	6	
Lincoln. Cranwell ..	7	243	1019.2	-	55.6	0.9	14.3	94	6.4	1	4	3	13	6	0	0	1	0	1	6	19	3	1	0	0	5	23	3	0	1	0	1	5	8	11	2	2	6	
	13	243	1018.8	-	67.3	6.5	15.1	68	7.1	0	5	7	12	7	0	0	0	0	0	0	1	14	12	4	0	0	7	24	0	1	0	3	2	3	9	7	6	6	
	18	243	1018.4	-	65.4	5.3	15.4	73	6.8	2	4	5	16	4	0	0	0	0	0	0	0	14	6	9	2	0	4	24	3	0	4	1	2	3	6	9	3	3	
3. ENGLAND, E.																																							
Norfolk. Cromer ..	9	74	1018.2	-	62.5	3.5	15.5	81	6.0	1	4	13	7	6	0	0	1	0	0	0	23	7	0	0	0	0	1	30	0	4	1	2	1	9	1	6	7	4	7
	1	26	1018.5	-	58.3	1.3	15.1	91	3.9	12	5	4	3	7	0	0	0	0	0	0	0	15	15	1	0	0	2	26	3	3	1	1	0	4	11	7	1	1	4
Norfolk. Yarmouth..	7	26	1018.8	+4.6	58.7	1.9	15.1	89	6.3	2	5	8	12	4	0	0	1	0	1	2	29	8	0	0	0	0	1	27	3	1	3	1	0	3	6	10	4	3	7
	13	26	1018.9	-	65.1	5.0	15.5	73	7.3	1	2	8	11	9	0	0	0	0	0	0	20	11	0	0	0	0	7	23	1	3	4	2	6	1	4	3	7	4	
Suffolk. Felixstowe Aero.	18	26	1018.5	-	64.2	4.2	15.7	77	6.6	2	6	4	13	6	0	0	0	0	0	0	24	7	0	0	0	0	2	28	1	4	3	1	8	4	3	3	4	4	
	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall	13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	21	1019.2	-	56.9	1.3	14.4	92	6.8	1	6	3	12	9	0	1	0	1	1	11	8	6	3	0	0	3	25	3	2	1	1	2	6	10	5	1	1	4	
Cambridge. Cambridge	13	21	1018.9	-	67.9	7.4	14.7	64	7.1	1	4	4	15	7	0	0	0	0	0	0	5	7	28	1	0	8	23	0	0	2	2	2	4	8	7	6	6	6	
	18	21	1018.3	-	67.0	6.3	15.4	69	6.1	1	8	5	12	5	0	0	0	0	0	2	7	4	16	2	0	5	26	0	1	3	2	1	3	9	8	4	4	4	
Herford. Rothamsted	9	43	1019.6	+4.8	63.5	4.4	15.3	77	6.8	3	4	5	5	14	-	-	-	-	-	-	-	-	-	-	-	0	2	29	0	3	3	1	0	2	8	9	4	4	
	21	43	1019.2	+4.3	59.0	2.3	14.9	87	2.5	21	1	1	5	3	-	-	-	-	-	-	-	-	-	-	-	0	3	24	4	2	2	1	2	4	11	4	4		
Essex. Shoeburyness	9	396	1016.9	-	61.3	3.8	14.3	78	7.1	2	5	1	17	6	0	0	0	0	0	1	30	0	0	0	0	0	3	22	6	2	3	0	0	4	3	5	8	8	
	7	12	1019.7	-	59.7	2.1	15.4	87	7.1	1	4	4	16	6	0	0	0	2	1	7	11	4	6	0	0	2	26	3	2	1	1	0	1	4	11	8	8		
4. MIDLAND COUNTIES.	13	12	1019.7	-	67.8	6.4	15.9	69	7.2	3	3	3	15	7	0	0	0	0	0	0	5	10	16	0	0	5	26	0	1	3	4	1	1	9	7	5	5		
	18	12	1019.1	-	65.8	4.9	16.2	75	6.8	3	3	6	15	4	0	0	0	0	0	0	13	3	15	0	0	4	24	3	4	4	2	3	1	4	5	5	5		
Yorks., W. Riding.	9	478	1018.5	-	60.4	4.1	13.5	76	6.7	2	6	3	14	6	0	0	0	2	0	8	4	3	6	8	0	2	29	0	1	0	1	1	7	14	5	2	2		
	9	215	1018.6	-	60.7	4.1	14.0	76	6.5	3	4	5	13	6	0	0	0	2	4	3	16	6	0	0	0	5	26	0	1	1	2	2	5	5	14	1	1		
Nottingham. Nottingham	7	542	1019.7	-	56.7	2.2	13.6	86	7.5	3	2	2	15	9	0	1	0	0	3	8	10	2	7	0	0	0	29	2	3	0	3	0	5	7	6	5	5		
	13	542	1019.3	-	65.2	7.0	13.6	65	6.5	2	3	6	15	5	0	0	0	0	1	3	6	5	26	0	0	4	26	1	1	1	1	2	3	6	9	7	7		
Warwick. Birmingham	18	542	1018.8	-	65.9	7.2	13.8	64	5.3	2	9	7	9	4	0	0	0	0	0	1	5	3	22	0	0	3	28	0	2	1	3	0	4	9	7	5	5		
	9	212	1020.3	+4.9	61.6	4.0	14.7	77	6.7	2	5	3	14	7	0	0	1	0	2	1	9	5	12	1	0	4	24	3	5	2	2	0	3	8	6	2	2		
Shropshire. Shrewsbury	9	186	1019.1	-	60.7	3.3	14.8	81	7.4	2	2	6	8	13	0	0	1	0	0	1	4	2	23	0	0	9	16	6	1	0	3	2	1	3	14	1	1		
	7	226	1019.6	-	55.5	1.6	13.6																																

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

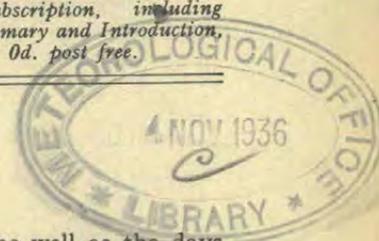
SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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SEPTEMBER, 1936.—Warm; dull and wet on the whole.

The weather of the month was distinguished by a marked deficiency of sunshine in most districts. Rainfall, though variable, exceeded the average for the country generally and thunderstorms were frequent, while temperature was high for the season except during the last five days.

The fair, warm weather experienced during the latter part of August persisted over most of England on the 1st and in eastern England on the 2nd. Meanwhile, a secondary depression off south-west Ireland moved north-east and caused considerable rain in the west and north. Between the 2nd and 6th an Atlantic depression moved east and then north to the north of Scotland causing unsettled weather with general rain and widespread thunderstorms. New, intense disturbances approached the British Isles from the Atlantic on the 6th; one moved eastward to the Hebrides, while a second moved rapidly north-east across England to Denmark and occasioned squally winds which reached gale force locally on the 7th and 8th. In the rear of the latter depression a belt of high pressure passed eastwards across the British Isles and subsequently an anticyclone formed over southern Scandinavia. Meanwhile, a depression was centred south of Iceland and secondary troughs moved over the British Isles. Warm unsettled weather prevailed with occasional rain, while thunderstorms occurred between the 12th and 14th. A wedge of high pressure which was situated over Scotland and Ireland on the 15th moved south-east and mainly anticyclonic conditions prevailed until the 19th, but a shallow depression over the southern North Sea moving south gave rain and widespread thunderstorms in England on the 15th. On the 20th and 21st a depression moved north-east from the Bay of Biscay and caused further widespread thunderstorms in England on the 20th. In the rear of this disturbance a wedge of high pressure moved north-east from France but unsettled weather was renewed on the 24th by secondary depressions, which moved north-east from off our south-west coasts.

Subsequently an anticyclone over Iceland moved southwards to the west of Scotland and a depression north of Iceland moved rapidly south-east giving northerly winds accompanied by a considerable fall of temperature on the 26th. Thereafter, the anticyclone spread over the British Isles and mainly fair, cool conditions persisted until the end of the month.

Pressure and Wind.—Mean pressure somewhat exceeded the average in Scotland and Ireland and was slightly below the average in most of England. The deviation at 7h. varied from -1.3 mb. at Kew Observatory to +4.9 mb. at Lerwick. In consequence the mean pressure map shows an almost uniform distribution over Scotland and northern and eastern England. A period of strong squally winds occurred, particularly in England and Ireland, between the 6th and 8th and a widespread gale was reported in these areas around the 7th. Isolated gales occurred outside this period; at Skye on the 9th, at Kirkwall on the 12th and at Fort Augustus on the 25th. Strong winds occurred in places on the 27th and a gale was recorded locally in north Wales. Among the highest speeds registered in gusts were 68 m.p.h. at the Scilly Isles, 64 m.p.h. at Bidston, Spurn Head and the Lizard, 63 m.p.h. at Southport on the 7th and 65 m.p.h. at Holyhead on the 8th.

Temperature.—Mean temperature exceeded the average in all districts, the excess varying from 1.5°F. in the Channel Islands to 3.2°F. in Scotland, W. At Eskdalemuir and Hull the excess amounted to 4.0°F. and 4.2°F. respectively.

The period 1st-25th was warm, the nights as well as the days being mild. High night minima were a feature of this period; for example, on the mornings of the 2nd, 3rd, 12th, 21st and 25th minimum readings of 60°F. or somewhat above were recorded at many stations. The mean minimum for the month at Oxford, 52.3°F. was the highest for September since records were first taken in 1881. Temperature fell on the 26th and cool conditions persisted for the most part until the end of the month.

The extremes for the month were:—(England and Wales) 81°F. at Newport, Isle of Wight, on the 1st, 27°F. at Rickmansworth on the 29th; (Scotland) 73°F. at Forres on the 3rd and 12th, 24°F. at Dalwhinnie on the 28th; (Ireland) 73°F. at Glasnevin and Trinity College, Dublin, on the 3rd and 28°F. at Markree Castle on the 29th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 136, the values for the constituent countries being England and Wales 142, Scotland 119 and Ireland 140.

In Scotland less than the average occurred over large areas in the west and north but more than the average was received elsewhere. In England less than the average was registered in parts of the north-eastern and south-eastern districts and at rather isolated stations in south-west England and South Wales but over most of the country there was a substantial excess, while in Ireland the excess was general except at a few places in the south-west.

Thunderstorms occurred frequently mainly from the 2nd-7th, 12th-16th and on the 18th, 20th, 25th and 27th. They were accompanied at times by heavy rain and among heavy falls in 24 hours or less may be mentioned:—

- 4th 91 mm. at Poolewe (Ross and Cromarty) and 53 mm. at Clunes (Inverness-shire).
- 5th 15 mm. in 9 minutes at Hayward's Heath.
- 14th 57 mm. at Attenborough, 50 mm. at Staindrop, Durham and 50 mm. at Middleton-in-Teesdale.
- 20th 79 mm. at Berkhamsted between midnight and 8 a.m., 56 mm. at Cottenham, Cambridge and 50 mm. at Furneaux Pelham, Herts.
- 24th 55 mm. at Dornach House, Dumfries.

A light covering of snow fell on the peaks of the Cairngorms and higher hills on the 26th.

Sunshine.—A notable feature of the weather of the month was the marked deficiency of sunshine in most areas, the percentage of the average for the districts 1-10 being only 77 (See Table I). At many stations, it was the dullest September on record; at Kew Observatory and Oxford it was the dullest September in records which go back as far as 1880 and 1881 respectively and at Edinburgh it was the dullest September of the century. At a few places in Ireland and the extreme north of Scotland, however, totals exceeded the average.

Fog.—Local fog occurred frequently mainly from the 1st-4th, 9th-25th and 29th-30th. It was reported at the morning observation on 9 days at West Linton, Cranwell, Princetown and Waterford. Fog was widespread in England on 22nd and 23rd and persisted all day in the western English Channel on the 22nd.

Miscellaneous Phenomena.—The aurora was observed in the north of Scotland on 5 days, in Skye on the 22nd and near Edinburgh on the 7th. Solar halos were noted at Oxford on 11 days. A funnel cloud was observed at Felixstowe on the 5th.

TABLE I.—DISTRICT VALUES.— SEPTEMBER, 1936

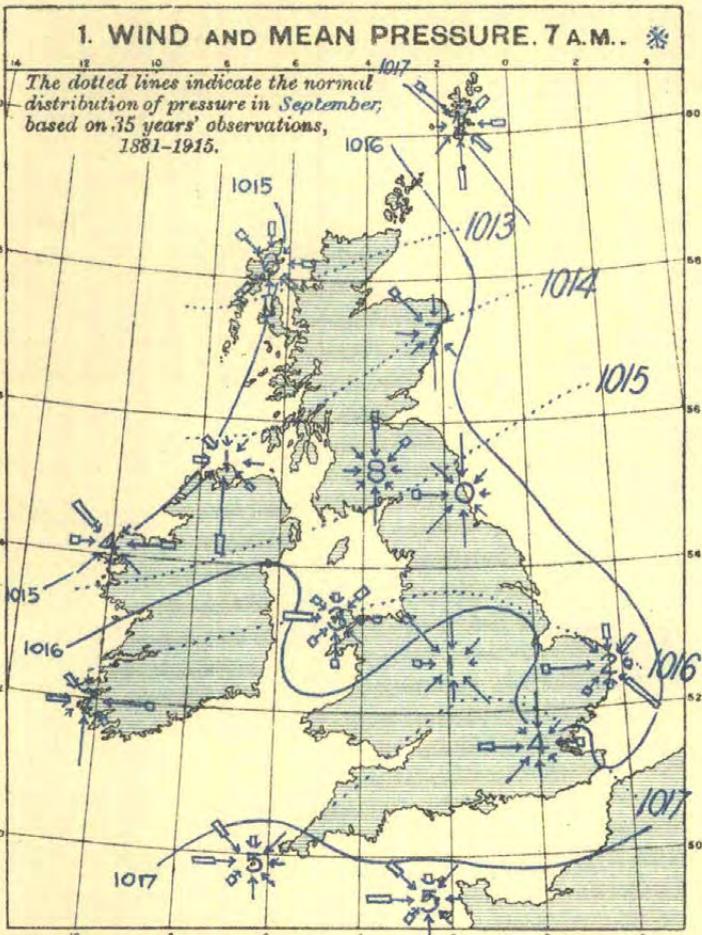
[1906, revised 1928.]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE		DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration		Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	71	24	+2.1	-	-	108	-3	99	28	Western.	72	29	+3.2	+3.3	+1.9	153	0	79	24
Eastern.										6. SCOTLAND, W. (and I. of Man)									
1. SCOTLAND, E.	73	28	+2.5	-	-	132	+1	74	23	7. ENGLAND, N.W. (and N. Wales)	74	30	+2.4	+3.2	+1.7	139	+2	78	27
2. ENGLAND, N.E.	76	35	+2.6	+3.7	+2.0	132	+1	71	25	8. ENGLAND, S.W. (and S. Wales)	77	28	+2.2	+2.4	+1.5	116	+3	73	29
3. ENGLAND, E.	77	27	+2.1	+2.4	+1.5	148	+4	70	29	9. IRELAND, N. ...	71	28	+2.2	+2.7	+1.7	158	0	101	31
4. MIDLAND COUNTIES ..	75	31	+2.5	+2.9	+1.8	155	+2	64	23	10. IRELAND, S. ...	73	31	+2.0	+2.1	+1.4	130	+1	96	33
5. ENGLAND, S.E.	81	31	+1.7	+2.7	+1.7	136	+4	68	29	11. CHANNEL I. (and Scilly)	78	47	+1.5	+2.2	+0.7	103	+2	87	40
										Mean: DISTRICTS	81	27	+2.3	+2.8	+1.7	140	+2	77	27

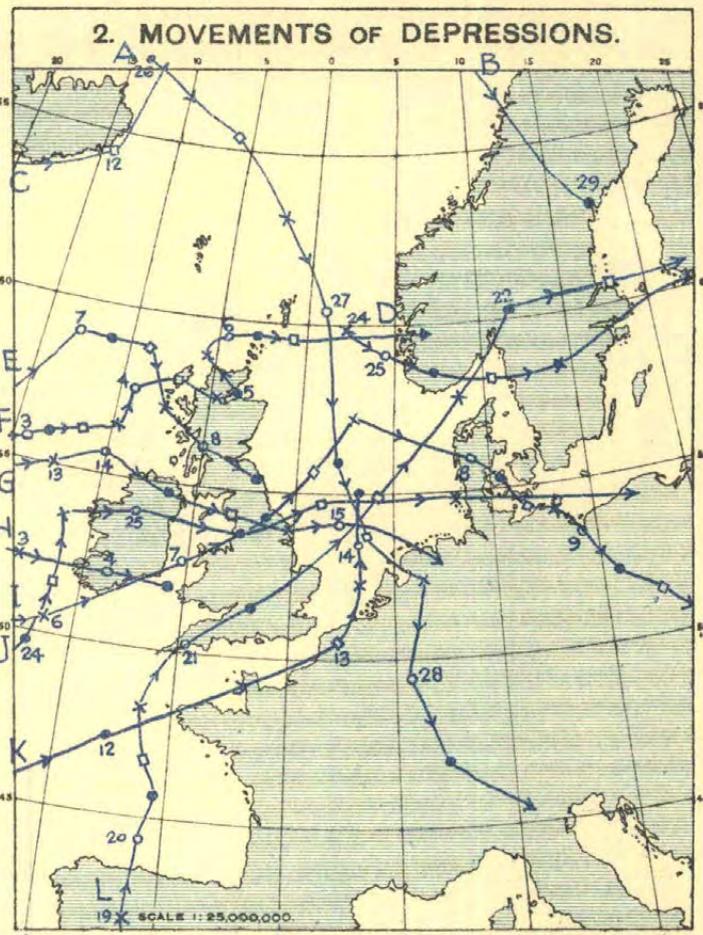
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— SEPTEMBER, 1936

[1914.]

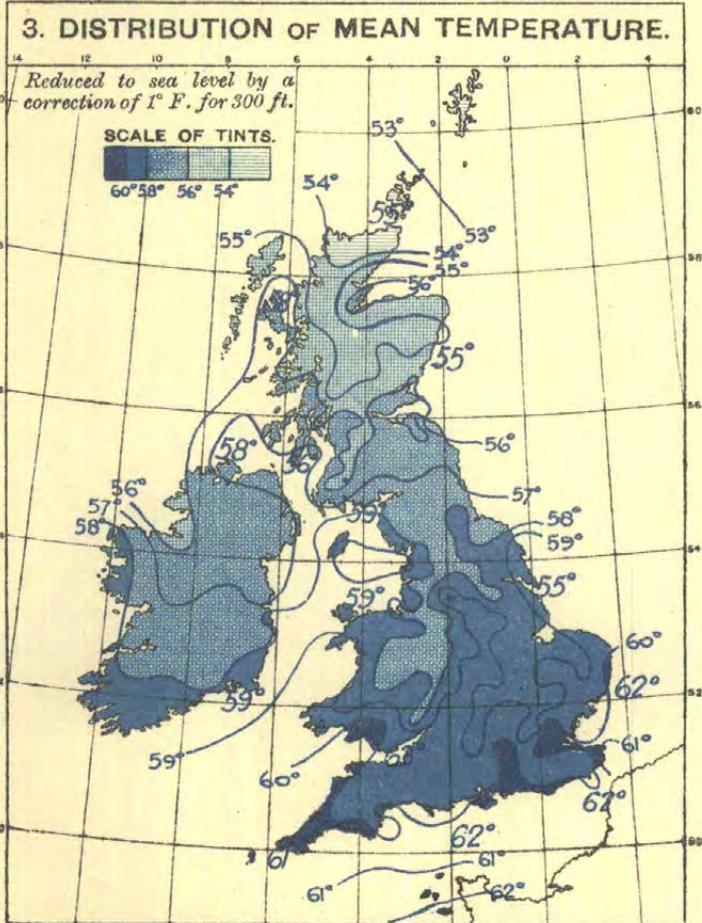
DISTRICT AND STATION	Height			Distribution of Wind ††										Extreme Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration			Speed	Hour ended at	Speed	Time				
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.			
0. SCOTLAND, N.																					
Shetland. Lerwick ..	310	53	39	-	0	11	72	304	295	49	0	170	33	15	12	21	51	23	4	16	50
Orkney. Kirkwall ..	170	40	35	-	0	7	51	277	347	45	0	150	34	15	12	07	51	23	12	11	00
Hebrides. Stornoway ..	-	-	-	-	0	5	20	241	348	111	0	60	33	15	25	06	47	21	25	05	05
1. SCOTLAND, E.																					
Aberdeen. Aberdeen ..	70	42	32	-	0	0	0	60	428	232	0	330	19	8	27	09	41	18	27	10	35
Kincairdine. Balmakewan ..	140	25	20	-	0	0	0														
Angus. Bell Rock Lighthouse	130	-	126	27	2	16	111	314	259	34	0	30	46	21	27	12	60	27	27	11	35
Edinburgh. Edinburgh ..	485	39	23	-	0	0	0	73	311	325	11	160	20	9	27	03	33	15	27	02	50
6a. SCOTLAND, W.																					
Argyll. Tiree ..	75	50	42	-	0	3	8	196	350	116	50	140	27	12	6	20	39	17	6	19	55
Renfrew. Paisley ..	188	81	31	-	0	0	0	18	345	357	0	350	17	8	27	13	34	15	25	13	30
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	0	0	53	337	330	0	260	20	9	7	10	42	19	6	10	35
Dumfries. Eskdalemuir ..	825	50	35	-	0	1	1	157	363	199	0	30	26	12	25	11	44	20	7	09	40
6b. ISLE OF MAN.																					
Isle of Man. Point of Ayre ..	70	40	-	-	0	6	60	235	345	80	0	290	36	16	7	21	49	22	8	01	20
2. ENGLAND, N.E.																					
Durham. South Shields ..	73	57	44	-	0	4	22	224	396	78	0	40	30	13	27	18	52	23	27	17	40
Yorks., N.R. Catterick ..	220	45	33	-	0	0	0	46	446	228	0	270	24	11	7	13	49	22	7	13	15
Yorks., E.R. Spurn Head ..	64	42	34	7	6	8	45	361	282	26	0	280	45	20	7	14	64	29	7	11	05
Lincoln. Cranwell ..	284	43	33	-	0	1	4	105	484	127	0	(270)	31	14	7	12	54	24	7	11	25
3. ENGLAND, E.																					
Norfolk. Gorleston ..	52	42	34	-	0	4	17	227	376	100	0	150	35	16	7	07	54	24	7	09	30
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	1	5	112	445	158	0	260	33	15	7	12	61	27	7	11	05
Suffolk. Mildenhall ..	64	45	20	-	0	1	5	112	445	158	0	260	33	15	7	12	61	27	7	11	05
Bedford. Cardington ..	285	150	135	-	0	3	22	199	403	96	0	250	35	16	7	16	59	26	7	11	10
Essex. Shoeburyness ..	115	104	89	-	0	6	44	291	345	40	0	280	34	15	7	11	61	27	7	09	55
4. MIDLAND COUNTIES.																					
Warwick. Birmingham ..	643	118	73	-	0	0	0	121	523	76	0	270	24	11	7	06	54	24	7	05	40
5. ENGLAND, S.E.																					
London. South Kensington ..	137	110	30	-	0	0	0	68	514	138	0	250	24	11	7	15	54	24	7	15	20
Surrey. Kew Observatory ..	92	75	50	-	0	1	1	78	456	185	0	250	25	11	7	16	54	24	7	15	50
Surrey. Croydon ..	313	105	70	-	0	1	12	136	397	175	0	270	33	15	7	15	54	24	7	07	30
Kent. Dover ..	66	66	60	-	0	5	28	240	370	82	0	-	33	15	7	05	49	22	7	10	50
Kent. Lympne ..	418	76	48	-	0	3	15	184	448	73	0	270	29	13	7	12	51	23	7	11	15
Hampshire. Calshot ..	58	50	42	-	0	4	20	208	405	87	0	170	31	13	7	01	51	23	7	05	45
Wiltshire. Boscombe Down ..	462	45	33	-	0	4	24	129	437	130	0	270	34	15	7	13	60	27	7	11	45
Wiltshire. Larkhill ..	491	51	36	-	0	5	32	188	401	99	0	260	(38)	17	7	14	-	-	-	-	-
7a. ENGLAND, N.W.																					
Lancashire. Fleetwood ..	112	50	31	7	2	6	51	168	386	113	0	280	40	18	7	22	56	25	8	01	15
Lancashire. Manchester (Barton)	153	83	80	-	0	2	19	148	373	180	0	290	36	16	7	11	58	26	7	10	45
Lancashire. Southport ..	60	42	33	7,8	7	5	56	128	429	100	0	270	42	19	7	24	63	28	7	21	20
Cheshire. Bidston Obs'y. ..	262	64	39	-	0	3	41	125	306	105	143	280	38	17	7	22	64	29	7	21	50
7b. NORTH WALES.																					
Anglesey. Holyhead ..	68	43	35	8	4	6	57	264	287	101	7	260	44	20	8	05	65	29	8	04	40
Flint. Sealand ..	81	65	42	-	0	3	16	115	398	191	0	310	33	15	8	09	55	25	8	08	10
8b. ENGLAND, S.W.																					
Devon. Moretonhampstead	838	40	35	-	0	2	14	103	388	215	0	310	30	13	7	04	59	26	7	03	30
Devon. Plymouth ..	185	88	65	-	0	3	8	154	325	233	0	-	35	16	6	23	48	21	6	22	55
Cornwall. The Lizard ..	315	75	60	7	2	8	72	241	306	83	16	250	46	21	7	02	64	29	7	01	50
Cornwall. Pendennis Castle ..	256	65	42	6	3	7	45	226	327	119	0	240	(42)	19	6	23	61	27	6	22	10
9. IRELAND, N.																					
Donegal. Dunfanaghy Road	180	47	30	-	0	4	31	79	220	390	0	-	38	17	7	22	59	26	7	21	50
Antrim. Aldergrove ..	282	40	20	-	0	0	0	106	377	237	0	250	24	11	7	19	48	21	8	02	00
10. IRELAND, S.																					
Dublin. Kingstown (Cup Anr.)	49	27	27	7,8	8	10	75	212	366	59	0	250	45	20	7	23	-	-	-	-	-
Clare. Quilty ..	100	40	32	-	0	7	62	219	304	135	0	-	38	17	7	9	53	24	7	08	40
Kerry. Valentia Observatory																					



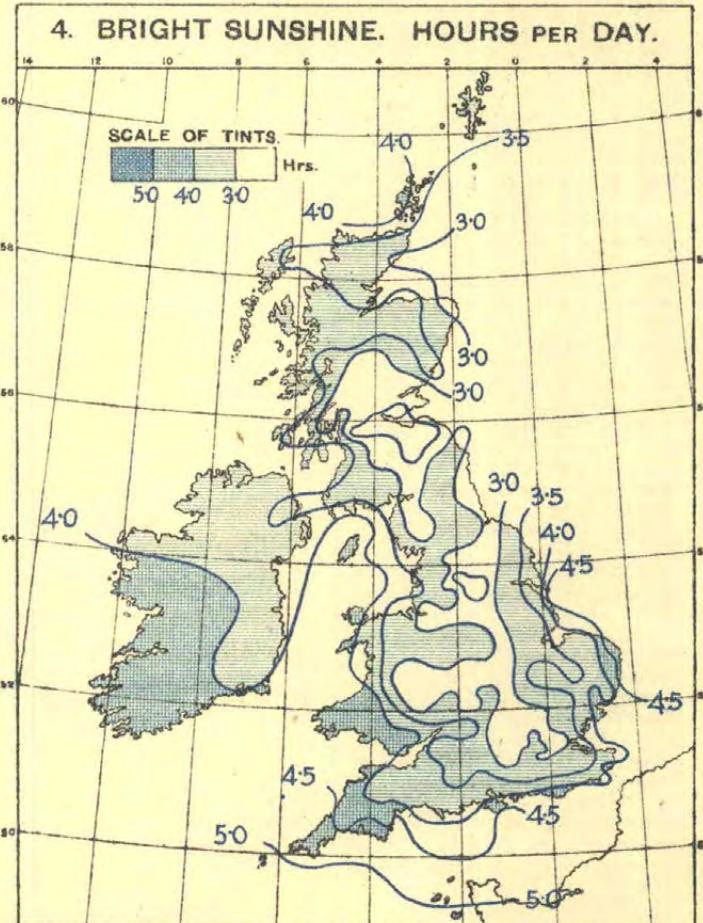
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG GALE
 30 OBS. IN 1 INCH



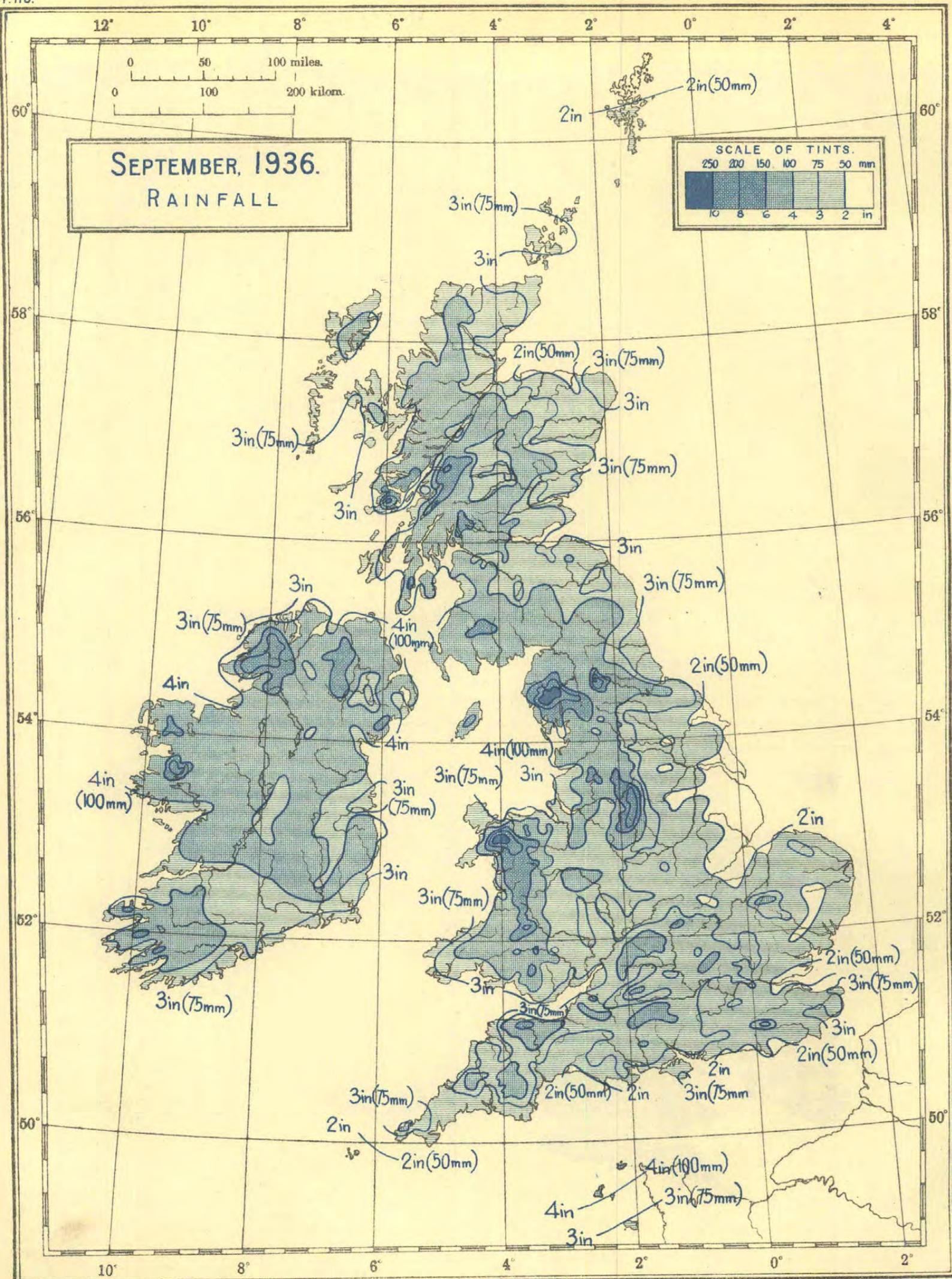
Positions of centres are shown thus: O at 1h; ● at 7h; □ at 13h; X at 18h.



Sea temperatures are shown in large figures, thus: 62°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

No. 482/3159. No. 22 A. D. 17. Op. 908. 325. 10/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10 in = 254 mm. 1 mm

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE					
			Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.						
			A Max.	B Min.			Maximum	Date	Minimum																Date	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Thunder	Fog	Ground	Daily Mean
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Thunder	Fog	Ground	Gale	hr.	hr.	%				
0. SCOTLAND, N.																														
Shetland.	Baltasound	9 9 9	31	56.9	47.9	52.4	+2.9	67	8	35	28	53.7	-	2.18	55	-30	22	26	16	10	0	0	1	0	1	0	3.70	+0.60	29	
	Lerwick	18-7 7	156	55.2	49.5	52.3	+2.2	63	8	39	26	-	-	1.96	50	-21	14	26	11	9	0	0	0	0	3	0	3.27	-0.35	25	
Orkney.	Deerness	2121 9	160	56.7	49.2	52.9	+1.7	64	8	40	2,28	-	-	2.98	76	+2	21	7	20	11	0	0	0	0	1	0	3.12	-0.25	24	
	Kirkwall	9 9 9	113	57.7	49.4	53.5	+1.7	65	8	39	2	55.0	-	3.43	87	+10	20	7	17	10	0	0	0	0	2	1	4.02	+0.58	31	
Hebrides.	Skallary	101010	30	59.8	52.2	56.0	-	65	8	43	26	-	-	3.27	83	-	22	6	15	13	0	0	0	0	1	0	3.48	-0.32	27	
	Stornoway (C.G.)	18-7 7	80	58.8	50.7	54.7	+3.4	63	10,11,21	38	26	-	-	4.41	112	-	49	4	17	14	0	0	0	0	2	0	3.48	-0.32	27	
	Stornoway	- 9 30	30	-	-	-	-	-	-	-	-	-	-	4.21	107	+7	47	4	18	11	-	-	-	-	-	-	-	-		
Skys.	Duntulm	9 9 9	294	59.8	50.5	55.1	-	67	8,11	38	28	-	-	3.03	77	-	17	11	15	10	0	0	0	0	0	1	3.94	-	31	
Caithness.	Wick	18-7 7	81	56.7	49.4	53.1	+2.1	63	8	36	28	-	-	2.74	70	+6	20	12	18	11	0	0	0	0	4	0	-	-	-	
Ross & Cromarty.	Achnashellach	9 9 9	225	62.0	45.5	53.7	-	71	4,10	31	26	-	-	5.04	128	-56	51	4	13	13	0	0	0	0	0	0	3.38	-0.50	26	
	Fortrose	9 9 9	69	62.1	50.5	56.3	+3.6	69	10,11,12	38	28	-	-	3.32	84	-	34	4	11	10	0	0	0	1	2	0	2.89	-	23S	
Inverness.	Dalwhinnie	18-7 7	1176	58.9	43.1	51.0	-	66	12,16	24	28	-	-	2.89	73	-	19	4	14	11	0	0	0	2	1	0	3.61	-	28S	
	Ft. Augustus	9 9 9	68	61.9	47.1	54.5	+2.2	70	10	32	28	-	-	2.33	59	-27	17	3	16	11	0	0	0	0	0	3	3.37	-	26S	
	Ft. William	9 9 9	34	62.0	48.8	55.4	+2.2	70	8	34	26	56.2	55.4	3.43	87	-72	23	6	15	12	0	0	0	1	0	3	3.37	-	26S	
	Inverness	9 9 9	242	60.0	49.2	54.6	+0.9	68	11,12	36	28	-	-	4.13	105	+47	47	4	14	13	0	0	0	0	0	0	3.80	-0.06	30	
1. SCOTLAND, E.																														
Nairn.	Nairn	9 9 9	20	61.3	48.9	55.1	+1.9	71	11,12	37	28	-	-	2.26	57	+1	16	4	14	10	0	0	0	0	2	0	3.90	+0.16	30	
Moray.	Forres	9 9 9	155	62.9	48.1	55.5	-	73	3,12	37	28	-	-	2.05	52	-	12	4	12	11	0	0	0	1	0	0	3.66	-	29	
	Gordon Castle	2121 9	104	61.9	48.3	55.1	+2.2	70	11	38	28	-	-	2.52	64	0	10	26	19	12	0	0	0	2	-	0	3.68	-0.07	29S	
Banff.	Banff	9 9 9	130	60.0	50.4	55.2	+2.7	68	5,9,13	43	27	-	-	2.06	52	-6	9	12	14	11	0	0	0	1	0	0	3.06	-0.87	24	
Aberdeen.	Aberdeen	242424	79	58.5	50.4	54.5	+2.0	67	22	38	26	56.8	55.9	2.60	66	+10	17	12	16	8	0	0	0	0	4	0	3.16	-0.96	25	
	Balmoral	9 9 9	927	59.4	43.9	51.7	+2.0	67	11	30	28	-	-	2.93	74	+13	28	4	14	12	0	0	0	1	-	3	0	-	-	
	Braemar	2121 9	1111	60.1	43.7	51.9	+2.4	66	18	31	29	-	-	3.03	77	+13	23	4	17	12	0	0	1	1	-	3	0	3.48	-	27S
	Craibstone	9 9 9	300	59.4	48.5	53.9	-	68	4,8	38	26	55.8	54.8	2.56	65	+5	19	12	17	11	0	0	0	0	0	0	3.34	-	26	
	Logie Coldstone	9 9 9	608	60.0	45.1	52.5	+1.4	68	13,22	34	23,28	-	-	2.34	59	0	11	2	13	12	0	0	1	0	2	-	-	-	-	
Kincardine.	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Stonehaven	9 9 9	12	61.1	49.4	55.3	-	70	22	38	26	-	-	3.29	84	-	27	12	15	11	0	0	0	0	0	0	3.23	-	25	
Angus.	Arbroath	2121 9	93	61.1	49.1	55.1	+1.8	69	22	37	26,28	-	-	3.52	89	+41	23	3	14	13	0	0	0	0	4	0	3.30	-	26	
	Carnoustie	9 9 9	39	60.8	50.0	55.4	+2.1	67	22	39	26	-	-	3.14	80	+29	21	12	14	13	0	0	0	0	0	0	2.91	-1.46	23	
	Dundee	9 9 9	147	62.3	50.1	56.2	+3.2	69	22	38	26	57.5	-	3.10	79	+28	17	12	13	9	0	0	0	1	-	0	2.72	-1.27	21	
	Kettins	9 9 9	218	61.6	47.0	54.3	+2.4	67	8,11,22	31	26,28	57.7	-	2.65	67	+11	16	3	15	8	0	0	0	2	3	4	0	-	-	
	Montrose	9 9 9	16	60.3	49.8	55.1	+2.2	69	22	38	26	-	-	3.04	77	-	21	12	14	10	0	0	0	0	1	0	3.63	-0.76	28	
Perth.	Crieff	2121 9	478	61.4	47.3	54.3	+1.7	68	11	35	26	-	-	4.26	108	+35	22	6	15	11	0	0	0	1	-	0	-	-		
	Perth	9 9 9	76	63.6	-	-	-	71	11	-	-	-	-	3.34	85	+28	34	3	11	11	0	0	0	1	-	-	2.68	-1.58	21	
Fife.	Cupar	9 9 9	210	61.5	49.9	55.7	+2.7	71	3	34	26	-	-	3.18	81	-	15	12	14	9	0	0	0	1	-	-	-	-		
	Dunfermline	9 9 9	237	61.5	49.9	55.7	-	70	11	37	29	59.1	58.3	3.16	80	-	15	1	12	9	0	0	0	1	0	1	0	2.46	-	19
	Inchkeith	18-7 7	190	60.7	51.8	56.3	+2.3	68	3	42	26	-	-	3.09	79	+38	14	1	11	10	0	0	0	0	0	0	2.92	-	23	
	Kirkcaldy	9 9 9	63	62.2	50.6	56.4	+2.1	70	11	38	29	-	-	3.49	89	-	14	1	12	10	0	0	0	0	0	0	-	-	-	
	Leuchars	18-7 7	35	61.7	49.2	55.5	+2.5	68	3	35	26	-	-	2.93	74	+25	21	12	13	9	0	0	0	1	4	2	0	2.72	-1.80	21
	St. Andrews	9 9 9	13	61.1	49.6	55.3	+1.9	67	3,13	36	26	57.6	56.6	2.54	64	+13	14	1	13	9	0	0	0	0	2	0	2.87	-1.54	23	
Mid Lothian.	Edinburgh—																													
	Blackford H.	2121 9	441	60.1	50.8	55.5	+2.2	68	3,11	41	26,29	-	-	2.92	74	+22	16	24	18	11	0	0	0	0	4	0	2.42	-1.88	19	
	Boghall	9 9 9	639	59.6	49.6	54.6	-	68	3	38	29	55.6	55.6	3.72	95	-	17	24	19	15	0	0	0	0	1	0	2.11	-	17	
	Liberton	9 9 9	190	61.7	50.0	55.9	-	70	11	35	29	-	-	3.02	77	-	17	24	17	11	0	0	0	0	-	-	-	-	-	
	Univ. King's B.	9 9 9	225	61.8	50.8	56.3	-	71	11	39	29	57.0	56.9	2.79	71	-	16	24	17	11	-	-	-	-	-	-	-	-	-	
E. Lothian.	Dunbar	9 9 9	75	60.5	50.6	55.5	-	69	11	40	29	-	-	3.11	79	-	14	1	14	12	0	0	0	1	1	0	0	2.87	-	23
	N. Berwick	9 9 9	118	61.5	50.7	56.1	-	69	3	37	29	-	-	3.71	94	+44	16	12	15	12	0	0	0	1	0	1	0	2.64	-	21
Berwick.	Marchmont	9 9 9	498	61.3	49.3	55.3	+3.0																							

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE		
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.		
			A	B		Maximum	Date	Minimum	Date													Amount	Date		mm. or more	mm. or more	Thunder	Fog	Ground	Daily Mean	Difference from Average
			Max.	Min.	Mean of A and B	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%
<p>6b. ISLE OF MAN.</p> <p>Isle of Man. Douglas .. 9 9 9 284 61.5 53.6 57.5 +2.8 71 3 40 29 - - 5.93 151 +68 27 14 14 14 0 0 0 1 1 1 0 4.03 -0.88 32</p> <p>Point of Ayre .. 18-7 7 30 62.8 53.7 58.3 - - 72 2 39 29 - - 4.16 106 - 21 6 17 12 0 0 0 1 1 - 0 4.48 - 35</p>																										
<p>2. ENGLAND, N.E.</p> <p>Northumberland. Berwick-on-T. .. 9 9 9 76 59.9 51.2 55.5 - 68 22 37 29 - - 3.38 86 +41 20 24 16 12 0 0 0 1 1 0 - 3.07 - 24</p> <p>Bellingham .. 9 9 9 849 60.4 48.2 54.3 +2.8 69 3 36 29 - - 4.72 120 +59 37 24 18 13 0 0 0 3 0 - - - -</p> <p>Cockle Park .. 2121 9 325 61.5 49.1 55.3 +2.7 68 2,3 39 29 55.6 56.0 3.72 94 +41 24 24 15 14 0 0 0 2 0 0 2.86 -1.66 23</p> <p>Tynemouth .. 18-7 7 108 59.4 53.7 56.5 +1.4 68 22 43 29 - - 2.68 68 +22 17 24 13 10 0 0 0 3 0 0 2.70 - 21</p>																										
<p>Durham. Chopwellwood .. 9 9 9 446 61.6 50.5 56.1 +3.3 69 1,2,22 40 28,29 - - 2.77 70 +17 19 24 14 12 0 0 0 2 0 0 - 2.53 -1.93 20</p> <p>Durham .. 2121 9 336 62.3 50.8 56.5 +3.0 71 13 40 29 - - 2.70 69 +25 19 24 16 11 0 0 0 1 1 0 0 2.52 -1.64 20</p> <p>Houghall .. 9 9 9 160 64.8 51.0 57.9 - 73 2,13 35 29 - - 2.83 72 - 19 24 13 12 0 0 0 2 0 1 0 2.46 - 19</p> <p>Ushaw College .. 9 9 9 594 61.3 50.8 56.1 +2.4 69 22 40 29 - - 2.68 68 +17 22 24 17 8 0 0 0 1 7 2 - - -</p>																										
<p>Yorks., N. Riding. Ampleforth .. 9 9 9 313 62.8 51.3 57.1 +2.7 69 2 42 27,29 - - 2.55 65 - 14 6 14 12 0 0 0 2 3 0 - 3.41 - 27</p> <p>Castleton .. 9 9 9 450 62.2 50.4 56.3 - 73 2 38 29 57.8 - 3.58 91 - 20 25 17 15 0 0 0 1 0 0 - - -</p> <p>Catterick .. 18-7 7 175 62.7 51.4 57.1 - 71 13 40 29 - - 3.28 83 - 18 14 12 10 0 0 0 2 1 0 0 3.08 - 24</p> <p>Scarborough .. 9 9 9 118 63.8 53.9 58.9 +2.4 72 2 43 27 - 60.1 1.73 44 - 1 14 6 12 9 0 0 0 2 1 0 0 3.67 -0.91 29</p> <p>York .. 2121 9 57 64.9 52.1 58.5 +2.8 72 2,11 39 29 59.5 58.4 1.61 41 0 11 6 14 10 0 0 0 2 - - 0 3.43 -0.80 27</p>																										
<p>Yorks., E. Riding. Hull .. 2121 9 8 65.1 54.8 59.9 +4.2 74 2 44 29 59.4 57.7 1.57 40 - 4 17 6 14 8 0 0 0 1 0 0 - 3.61 - 28</p> <p>Spurn Head .. 18-7 7 29 63.4 55.2 59.3 +2.2 76 2 46 27 - - 1.57 40 - 1 13 6 15 10 0 0 0 0 5 - 1 4.81 +0.07 38</p>																										
<p>Lincoln. Cranwell .. 18-7 7 240 65.0 51.1 58.1 +2.2 74 2 39 29 58.0 58.7 2.29 58 +13 9 7 16 11 0 0 0 3 9 0 0 3.41 -1.37 27</p> <p>Cleethorpes .. 9 9 9 23 64.6 53.8 59.2 - 74 2 44 27 - - 1.69 43 - 16 6 13 8 0 0 0 0 0 - 0 4.72 - 37</p> <p>Skegness .. 9 9 9 15 64.0 54.6 59.3 +3.1 74 2 43 29 - - 1.69 43 - 3 12 6 12 9 0 0 0 2 0 0 - 4.08 -1.21 32</p>																										
<p>3. ENGLAND, E.</p> <p>Norfolk. Cromer .. 9 9 9 178 63.8 54.3 59.1 +1.7 76 3 44 27 - - 2.66 67 +21 16 4 13 9 0 0 0 1 2 0 0 4.66 -0.55 37</p> <p>Hunstanton .. 9 9 9 105 65.0 54.1 59.5 - 74 11 47 23,27,29 - - 1.67 42 - 8 6 13 12 0 0 0 3 1 - - 3.93 - 31</p> <p>Norwich .. 9 9 9 110 66.3 52.1 59.2 +2.3 76 3 40 29 59.0 - 2.44 62 - 12 4 15 13 0 0 0 2 - 0 - 4.39 -0.82 35</p> <p>Sprowston .. 9 9 9 93 65.8 51.4 58.6 - 75 2 40 29 - - 2.64 67 - 13 4 15 15 0 0 0 0 5 0 - 4.57 - 36</p> <p>Terrington .. 9 9 9 13 65.9 52.0 58.9 - 75 2 41 29 - - 2.49 63 - 25 15 15 9 0 0 2 1 2 0 - 3.93 - 31</p> <p>Thetford .. 9 9 9 99 65.7 49.3 57.5 - 75 2 37 29 59.9 60.0 3.60 91 - 24 15 16 14 0 0 0 1 2 3 1 - 3.88 - 31</p> <p>(Lynford Nursery)</p> <p>Yarmouth .. 18-7 7 5 64.5 54.5 59.5 +1.6 74 2 43 29 61.3 59.9 2.80 71 +21 15 4 16 14 0 0 0 3 4 0 0 4.91 -0.36 39</p>																										
<p>Suffolk. Bungay (Flix'n) .. 9 9 9 79 66.2 51.1 58.7 +1.6 74 3 43 28,29 - - 2.06 52 - 17 4 15 11 0 0 0 3 3 0 - - -</p> <p>Copdock .. 9 9 9 164 66.6 51.4 59.0 +2.3 76 2 41 29 60.1 59.7 1.95 50 - 16 20 17 9 0 0 0 2 3 0 - 4.08 -1.04 32</p> <p>Felixstowe .. 9 9 9 72 65.4 53.4 59.4 - 76 2 43 29 - - 2.57 65 - 16 5 15 11 0 0 0 1 2 1 - 4.49 - 36</p> <p>Hartest .. 9 9 9 250 66.4 51.0 58.7 - 75 2 40 15,29 - - 3.74 95 - 46 20 16 11 0 0 0 - - 0 - 4.15 - 33</p> <p>Lowestoft .. 9 9 9 82 65.9 53.9 59.9 +2.4 76 2 41 29 61.4 61.1 2.40 61 +11 13 4 15 12 0 0 0 2 3 0 0 4.95 -0.75 39</p> <p>Mildenhall .. 18-7 7 19 66.2 51.8 59.0 - 74 2 38 29 - - 4.24 108 - 42 5 14 10 0 0 2 2 5 0 1 3.47 - 30</p>																										
<p>Cambridge. Cambridge .. 2121 9 41 65.9 51.7 58.8 +2.1 76 2 41 29 60.6 60.3 2.61 66 +25 23 20 14 10 0 0 0 2 4 0 0 3.30 -1.68 26</p> <p>(Bot. Gdns.)</p> <p>(Univ. Farm) .. 9 9 9 78 65.9 51.6 58.7 - 74 2 39 29 - - 2.27 58 - 20 20 17 9 0 0 0 0 4 0 0 3.53 - 28</p>																										
<p>Bedford. Luton .. 9 9 9 381 64.3 51.7 58.0 +2.0 72 2,3,11 37 29 61.0 59.9 2.98 76 - 13 20 17 14 0 0 0 3 0 1 - 2.68 -2.32 21</p> <p>Woburn .. 9 9 9 291 64.0 51.1 57.5 +2.0 72 2 35 29 59.7 56.8 3.00 76 +31 11 4 19 15 0 0 0 4 3 1 - 3.17 -1.59 25</p>																										
<p>Hertford. Rickmansworth .. 9 9 9 192 67.4 46.5 56.9 - 76 11 27 29 60.7 60.3 3.37 86 - 29 20 22 15 0 0 0 1 6 7 3 0 3.05 - 24.8</p> <p>Rothamsted .. 9 9 9 420 62.6 51.8 57.2 +1.6 71 2 39 29 58.6 - 3.34 85 +36 27 20 19 14 0 0 0 1 1 0 0 2.81 -2.24 22</p> <p>St. Albans .. 9 9 9 272 65.3 50.7 58.0 - 72 2,11 38 29 61.0 - 3.72 95 +50 39 20 15 12 0 0 0 2 1 0 - - -</p>																										
<p>Essex. Clacton-on-S. .. 9 9 9 53 64.8 54.0 59.4 +1.9 75 2 42 29 61.1 60.9 2.36 60 +15 25 20 17 9 0 0 0 1 2 0 0 - 4.21 -1.49 33</p> <p>Chelmsford .. 9 9 9 134 66.0 51.3 58.7 +2.2 73 11 38 29 - - 1.87 47 + 3 14 20 18 14 0 0 0 0 - - - -</p> <p>Chelmsford (Agr. St.) .. 9 9 9 193 66.1 50.9 58.5 - 74 2 38 29 - - 2.06 52 - 14 4 20 13 0 0 0 2 - 1 - (3.65) - (29)</p> <p>Earls Colne .. 9 9 9 168 66.3 51.3 58.8 - 75 2 40 29 - - 2.34 59 - 16 20 15 11 0 0 0 0 - - - -</p> <p>Halstead .. 9 9 9 140 66.8 50.8 58.8 +1.9 77 2 38 29 - - 2.29 58 - 15 20 16 10 0 0 0 1 1 - - -</p> <p>Shoeburyness .. 18-7 7 11 66.3 53.5 59.9 +1.5 77 2 40 29 - - 1.46 37 - 3 14 20 18 9 0 0 0 5 4 0 0 3.61 -1.74 29</p>																										
<p>4. MIDLAND COUNTIES.</p> <p>Yorks., W. Riding. Askham Bryan .. 9 9 9 90 65.1 50.5 57.8 - 72 2,13 36 29 - - 1.88 48 - 12 3 11 9 0 0 0 2 0 (0) - 3.36 - 26</p> <p>Bingley .. 9 9 9 610 61.3 49.1 55.2 - 68 2 36 29 - - 3.28 83 - 16 12 16 15 0 0 0 1 2 0 - - -</p> <p>Bradford .. 9 9 9 439 62.7 52.1 57.4 +3.1 70 2,13 37 29 57.7 57.8 3.78 96 +43 19 3 16 13 - - - 2.0 - 2.59 -1.38 20</p> <p>Doncaster .. 9 9 9 26 65.0 49.8 57.4 - 73 2 40 22,23 - - 2.10 53 - 11 3 16 10 0 0 0 2 1 0 - 3.10 - 24</p> <p>Giggleswick .. 9 9 9 575 61.5 50.1 55.8 +2.7 67 23 37 29 - - 3.80 97 - 14 6 14 13 0 0 0 1 0 - 0 2.61 - 21</p> <p>Harrogate .. 9 9 9 478 62.4 51.7 57.1 +3.2 69 2,11 39 29 58.0 57.5 2.29 58 + 7 14 6 13 12 0 0 0 2 0 0 2.98 -1.52 23</p> <p>Huddersfield .. 2121 9 325 63.9 51.2 57.5 +2.8 71 2 35 29 58.2 57.7 3.78 96 +49 15 6 17 12 0 0 0 0 1 - 2.36 -1.37 19</p> <p>(Oakes) .. 9 9 9 761 63.1 51.2 57.1 - 71 13 40 29 56.3 54.6 5.07 129 +75 20 7 22 15 0 0 0 1 1 3 0 1 - - -</p> <p>Meltham .. ** 9 9 9 514 62.3 51.0 56.7 +2.6 71 2 35 29 56.6 56.5 5.57 141 +70 31 7 19 16 0 0 0 1 2 0 - - -</p> <p>Pontefract .. 9 9 9 255 62.7 52.0 57.3 - 71 2 40 29 - - 1.71 43 + 5 12 6 14 9 - - - 4.0 - - -</p> <p>Sheffield .. 9 9 9 428 63.5 53.0 58.3 +2.7 73 2 42 29 57.8 56.7 2.54 65 +18 13 12 15 9 - - - - 0 - 2.50 -1.59 20</p> <p>Wakefield .. 9 9 9 124 65.1 52.0 58.5 +2.9 74 2 36 29 58.7 57.5 2.43 62 +21 13 6 19 14 0 0 0 4 1 0 - 2.45 -1.40 19.8</p>																										
<p>Derby. Belper (School) .. 9 9 9 222 65.5 51.3 58.4 +3.5 73 13 35 29 - - 3.34 85 +36 17 14 15 12 0 0 0 4 - - - -</p> <p>Belper (Q. Bk.) .. 9 9 9 280 -</p> <p>Buxton .. 9 9 9 1007 59.8 50.2 55.0 +2.7 68 2,3 36 29 55.9 55.9 6.00 152 +70 32 7 17 13 0 0 0 1 2 4 1 - 2.61 -1.45 21</p>																										
<p>Nottingham. Attenborough .. 18 7 7 8 66.0 51.2 58.6 - 74 2,11 34 29 59.0 57.1 3.93 100 - 57 14 15 10 0 0 0 1 4 5 1 1 - - -</p> <p>Mansfield .. 9 9 9 357 63.9 52.0 57.9 - 73 2 39 29 - - 2.58 65 - 11 25 16 12 0 0 0 2 4 - - -</p>																										

† At Scarborough the earth thermometer is at a depth of 3 ft.
 ‡ See Notes on Tables on last page of this issue.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.
 †† Health Resort Station.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE						
			Means of		Difference from Average		Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n			Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.						
			A	B	Mean of A and B	Maximum	Date	Minimum	Date						0.2 mm. or more	1 mm. or more	Snow								Snow lying	Hail				
			Max. Min. Rain	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	Date	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%		
4. MID. COUNTIES—cont.																														
Nottingham cont.	Nottingham	9 9 9	192	64.7	52.7	58.7	+3.1	73	2	43	29	58.3	59.8	2.64	.67	+25	23	14	15	10	-	-	-	-	2	0	-	3.00	-2.20	24
	Sutton Bon'gton	9 9 9	157	65.1	50.5	57.8	-	72	2,11	33	29	58.7	-	2.13	54	+16	12	14	15	11	0	0	0	0	3	1	-	2.81	-	22
	Worksop	9 9 9	56	65.8	51.3	58.5	+2.7	74	2	35	29	59.2	57.3	1.82	46	+7	10	6	17	10	0	0	0	1	-	0	1	3.08	-	24
Leicester.	Belvoir Castle	2121 9	259	64.4	51.3	57.9	+2.8	72	2,11	37	29	60.0	58.0	2.67	68	+21	11	14	15	12	-	-	-	-	1	-	3.20	-2.58	25	
Northampton	Oundle	9 9 9	147	65.1	51.4	58.3	+2.7	73	11	37	29	59.6	58.8	2.20	56	-	16	20	18	9	0	0	0	2	3	1	-	3.55	-2.01	28
Warwick.	Birmingham	18-7 7	535	63.7	52.4	58.1	+2.4	70	2,11	39	29	55.8	55.0	2.98	76	+30	13	12	16	15	0	0	2	3	5	1	0	2.56	-1.54	20
	Sparkhill	713 7	425	64.9	51.5	58.2	+2.6	72	2	37	29	-	-	3.36	85	+37	25	12	16	14	0	0	0	3	6	2	-	-	-	
	Coventry	9 9 9	241	65.0	51.5	58.3	+2.0	71	2,11	38	29	60.9	60.7	3.34	85	+39	26	12	17	14	0	0	0	2	0	1	-	2.86	-2.43	238
	Rugby	2121 9	390	66.4	49.6	58.0	-	73	1,11	34	29	-	-	2.06	52	-	9	12	16	12	0	0	0	3	-	2	-	-	-	
Stratford-on-Avon	9 9 9	210	65.5	50.9	58.2	-	71	2,3	32	29	-	-	2.38	60	-	18	12	16	12	0	0	0	4	2	-	-	3.03	-	24	
Oxford.	Oxford	9 9 9	208	65.7	52.3	59.0	+2.3	74	13	38	29	61.5	60.6	3.29	84	+41	38	20	16	12	0	0	0	3	3	1	1	2.64	-2.21	21
Bucks.	Halton	9 9 9	544	64.4	51.9	58.1	-	72	11	37	29	60.3	58.5	3.59	91	-	35	20	17	13	0	0	0	3	1	1	-	2.76	-	22
	Mursley	9 9 9	490	63.8	51.2	57.5	-	72	11	37	29	57.2	-	3.56	90	+41	23	20	19	16	-	-	-	-	-	-	-	2.73	-	22
Stafford.	Mayfield	9 9 9	374	64.1	50.3	57.2	+3.7	71	2,13	33	29	-	-	4.66	118	+60	20	12	15	13	0	0	1	5	-	1	-	3.24	-2.13	258
Shropshire.	Newport	9 9 9	211	64.3	50.1	57.2	-	71	2	32	29	-	-	3.31	84	+38	20	25	18	14	0	0	0	2	2	2	-	3.46	-	27
	Shrewsbury	9 9 9	184	64.7	49.9	57.3	+2.0	72	22	32	29,30	59.8	59.6	4.02	102	-	27	25	18	11	0	0	1	3	1	2	0	3.01	-	24
Worcester.	Malvern	9 9 9	380	64.8	53.0	58.9	+2.2	74	1	42	30	60.0	60.0	3.39	86	+37	19	20	16	13	0	0	0	4	2	0	-	3.34	-2.48	27
	Worcester (Perdiswell)	9 9 9	94	65.7	51.2	58.5	-	72	1,2	32	29	-	-	2.03	52	-	11	3	16	14	0	0	0	3	-	1	-	2.98	-	23
Hereford.	Bromyard	9 9 9	393	64.6	49.6	57.1	+2.2	71	1,2	31	30	59.9	58.9	3.33	85	-	16	3	15	15	0	0	1	1	5	2	-	-	-	
	Hereford	9 9 9	292	64.1	50.0	57.1	+1.9	72	1	32	29,30	-	-	2.80	71	+24	13	15	15	12	0	0	0	2	1	1	3	-	-	
	Ross-on-Wye	18-7 7	223	65.0	51.3	58.1	+2.5	75	1	32	29,30	60.0	59.7	2.80	71	+22	22	20	16	11	0	0	1	3	6	2	0	3.03	-2.51	24
Gloucester.	Bristol (Horfield)	18-7 7	206	65.9	52.5	59.2	-	75	1	37	29	61.9	61.1	3.47	88	-	23	3	19	16	0	0	1	1	1	0	0	-	-	
	Cheltenham	2121 9	214	65.8	52.1	58.9	+2.9	74	1	36	29	61.4	62.8	3.28	83	+36	17	20	16	12	0	0	0	3	2	0	0	2.84	-2.88	23
	Cirencester	9 9 9	443	64.1	51.2	57.7	+2.6	74	1	40	29	-	-	4.40	112	-	29	12	16	14	0	0	0	0	0	0	-	3.51	-	28
	Parkend	9 9 9	325	63.1	50.3	56.7	-	72	1	34	30	59.3	58.5	3.21	81	-	18	3	16	12	0	0	0	1	1	2	-	3.49	-	28
5. ENGLAND, S.E.																														
London.	City, Bunhill Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Camden Square	9 9 9	110	67.0	54.5	60.7	+1.9	77	11	43	29	60.2	58.7	2.99	76	+30	25	20	16	13	0	0	0	3	-	0	-	-	-	
	East Ham	9 9 9	15	66.7	53.9	60.3	+2.4	76	2	41	29	-	-	2.29	58	+15	13	20	17	13	-	-	-	-	-	-	-	-	-	
	Enfield	9 9 9	148	66.2	53.2	59.7	+2.2	75	2	41	29	-	59.9	2.80	72	+25	19	20	16	13	0	0	1	4	2	0	0	3.20	-	25
	Greenwich	2424 9	149	67.3	52.6	59.9	+2.1	80	2	42	29	60.1	59.5	3.15	80	+35	30	20	18	12	0	0	0	4	3	0	0	2.82	-2.20	22
	Hampstead	21-9 -	-	67.3	53.2	60.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Kensington	9 9 9	450	63.5	51.1	57.3	+0.8	73	11	39	29	-	-	3.33	85	-	26	20	17	12	0	0	0	3	-	0	-	2.90	-2.12	23
	Kingsway	18-9 9	80	65.8	54.5	60.1	+2.2	74	11	42	29,30	62.0	61.3	3.31	84	+39	29	20	17	12	0	0	1	3	2	0	0	2.74	-	22
	Regent's Park	9 9 9	129	66.4	54.0	60.2	-	76	11	41	29	-	-	3.06	78	-	27	20	17	12	0	0	0	2	5	0	-	2.83	-2.14	22
	Kew	2424 24	18	65.7	53.6	59.7	+2.4	74	2	42	29	60.8	60.1	2.81	71	+23	19	5	16	10	0	0	0	5	3	0	0	3.00	-1.83	24
	Observatory	18-7 -	-	65.5	54.2	59.9	+2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham	2121 9	51	66.8	55.4	61.1	+3.0	74	2	44	29	-	61.8	2.23	57	+14	13	20	13	10	0	0	0	1	-	0	-	2.89	-2.97	23
	Westminster	9 9 9	27	66.4	55.3	60.9	+2.0	75	11	44	29,30	-	-	3.25	83	+41	27	20	16	12	0	0	0	3	-	0	-	2.89	-1.61	23
	Surrey.	Addington	9 9 9	472	64.7	52.5	58.6	+2.1	74	2	38	29	-	-	2.63	67	-	14	20	17	9	0	0	0	3	5	-	-	-	
		Croydon	18-7 7	217	65.8	53.8	59.8	+2.9	74	2	38	29	-	-	2.76	70	+20	16	4	18	12	0	0	0	3	4	0	0	2.98	-2.04	24
Wisley		9 9 9	150	65.5	52.3	58.9	+2.0	76	2	34	29	61.3	61.0	2.75	70	-	21	20	14	12	0	0	1	2	3	2	1.2	2.62	-2.43	21
Kent.	Biggin Hill	18-7 7	567	63.4	52.6	58.0	+2.5	73	2	40	29	-	-	2.22	57	-1	14	20	18	10	0	0	0	4	7	1	0	3.14	-2.19	25
	Bromley	9 9 9	213	66.3	53.1	59.7	-	77	2	38	29	-	-	2.28	58	+12	19	20	16	11	0	0	0	1	3	1	-	-		
	Canterbury	9 9 9	135	66.5	52.9	59.7	+2.5	78	2	43	29	61.2	60.8	2.22	56	-	17	20	15	10	-	-	-	-	-	-	-			
	Dover	9 9 9	22	66.0	56.0	61.0	+2.8	72	1,2,14	47	28,29	62.1	62.9	2.69	68	-	22	27	15	13	0	0	0	2	0	-	0	4.15	-2.61	33
	Dungeness	18-7 7	20	65.1	53.8	59.5	+0.8	71	2,11	40	30	-	-	2.72	69	+17	17	25	16	13	0	0	0	5	5	-	1	-		
	East Malling	9 9 9	132</																											

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT										Earth Temperature		RAINFALL					WEATHER							BRIGHT SUNSHINE										
			Means of		Difference from Average		Absolute Maximum and Minimum						1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.									
			A	B	Mean of A and B	Maximum	Date	Minimum	Date	0.2 mm. or more	1 mm. or more	Amount						Date	Thunder							Thunder	Daily Mean		Difference from Average								
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.									
8b. ENGLAND, S.W.—cont.																																					
Dorset.	Holton Heath	9 9 9	64	65.1	52.1	58.6	+1.5	73	1	35	30	62.8	63.1	2.69	68	-	23	20	18	9	0	0	0	0	0	0	0	0	0	0	3.17	-1.86	25				
	Portland Bill	18-7 7	32	62.8	56.1	59.5	0.0	69	1	44	29	-	-	1.91	48	0	15	20	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Shaftesbury	9 9 9	722	63.3	51.3	57.3	+1.0	73	1	40	29	-	-	2.97	75	+13	27	19	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0				
Devon.	Arlington	9 9 9	613	62.9	51.6	57.3	+1.8	73	1	39	29,30	-	-	5.39	137	+34	43	3	17	16	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Cullompton	9 9 9	202	65.8	51.9	58.9	+2.1	76	1,2	35	29	61.0	-	3.06	78	+21	14	3	20	15	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Ilfracombe	9 9 9	25	63.9	56.6	60.3	+1.4	73	1	46	29,30	62.2	61.8	2.37	60	-	6	9	3	16	13	0	0	0	0	0	0	0	0	0	0	0	0				
	Killerton	9 9 9	159	65.8	52.3	59.1	+2.2	75	1,2	38	29,30	-	-	3.18	81	-	12	2	17	14	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Moretonhampstead	9 9 9	798	61.8	51.4	56.6	-	72	1	38	29	58.1	56.4	3.57	91	-	20	11	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Newton Abbot	9 9 9	375	65.3	52.8	59.1	-	74	1	39	30	-	-	3.24	82	+27	19	3	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Paignton	9 9 9	12	64.9	54.2	59.5	+1.3	71	2	40	30	-	-	2.75	70	-	16	3	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Plymouth (Hoe)	2121 9	117	65.3	54.6	59.9	+1.9	76	1	40	30	61.7	60.9	2.96	75	+10	20	11	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Plymouth (Mount Batten)	18-7 7	82	64.9	55.1	60.0	+2.1	75	1	40	30	-	-	2.64	67	-	21	3	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Princetown	9 9 9	1430	60.5	49.6	55.1	+1.8	73	1	38	29	-	-	5.54	141	+11	25	6	18	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Sidmouth	9 9 9	25	64.8	54.6	59.7	+2.6	72	1	43	30	-	-	2.65	67	-	15	3	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Tavistock	9 9 9	457	64.6	51.5	58.1	+1.8	77	1	36	30	-	60.6	34	85	+7	19	2	18	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Teignmouth	9 9 9	20	65.0	55.0	60.0	+2.6	73	2	42	30	-	-	2.86	73	+23	26	3	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Torquay	9 9 9	27	64.8	54.5	59.7	+0.8	70	2,25	42	29,30	-	61.4	2.85	72	+20	14	3	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cornwall.	Falmouth Obs.	9 9 9	167	65.3	54.7	60.0	+2.3	70	2,12	44	29,30	62.3	62.8	2.43	62	-12	16	11	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fowey	9 9 9	51	66.1	54.1	60.1	+1.7	71	12	39	30	-	-	2.23	57	-	9	11	18	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gulval	9 9 9	20	65.8	55.0	60.4	-	70	1,10	41	30	-	-	3.70	94	-	30	11	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	The Lizard	18-7 7	240	63.9	55.2	59.5	-	70	1	46	30	-	-	2.23	57	-	14	11	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Newquay	9 9 9	190	63.7	55.3	59.5	+1.8	73	1	39	30	60.6	59.7	2.16	55	-13	22	11	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Redruth	9 9 9	397	64.1	53.5	58.8	+2.1	72	1	42	29,30	-	-	3.82	97	+18	35	11	21	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9. IRELAND, N.																																					
Silgo.	Markree Cas.	2121 9	122	63.6	47.5	55.5	+1.6	70	17	28	29	59.4	57.6	4.38	111	+26	14	6	19	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mayo.	Blacksod Pt.	18-7 7	18	61.9	54.2	58.1	-	66	1	47	29	-	-	4.57	116	+17	29	6	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mallaranny	9 9 9	113	63.0	52.5	57.7	+3.0	69	1	42	30	-	-	5.74	146	-	34	6	20	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Donegal.	Malin Head	18-7 7	84	61.0	53.3	57.1	+3.0	71	3	41	29	-	-	4.11	105	+38	25	6	17	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Antrim.	Aldergrove	18-7 7	238	62.1	49.9	56.0	-	70	2,3	32	29	-	-	3.80	97	+34	23	6	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Down.	†Donaghadee	8 8 8	40	61.4	53.0	57.2	+2.7	70	2	41	30	-	-	4.07	103	+42	37	24	17	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hillsborough	9 9 9	388	60.8	49.5	55.1	-	69	3	36	29	58.0	-	4.50	114	-	28	24	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Armagh.	Armagh	2121 9	204	62.8	49.6	56.2	+2.0	70	3	34	29	59.1	58.2	4.35	110	+48	17	25	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Longford.	Newtownforbes	2121 9	154	63.3	48.2	55.7	+2.1	70	17	30	29	57.7	57.7	4.07	104	+31	21	11	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. IRELAND, S.																																					
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Dublin City	2121 9	54	62.0	53.2	57.6	+1.7	70	3	41	29	-	-	2.64	67	+18	13	6	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Glassevin	2121 9	55	63.9	49.1	56.5	+1.6	73	3	34	29	-	-	2.83	72	+21	16	6	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phoenix Pk.	2121 9	155	63.6	48.5	56.1	+2.2	71	3	31	29	-	-	2.70	69	+20	15	6	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trin. Coll.	2121 9	13	63.6	52.6	58.1	+2.2	73	3	40	29	59.9	58.9	2.56	65	+18	14	6	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hazelhatch	9 9 9	366	63.8	48.8	56.3	-	70	9	33	29	60.5	59.3	2.48	63	-	15	6	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	(Peamount San.)	9 9 9	169	63.5	50.8	57.1	-	72	3	37	29	58.9	-	2.67	68	-	13	6	17	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rathfarnham	9 9 9	169	63.5	50.8	57.1	-	72	3	37	29	58.9	-	2.67	68	-	13																				

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of SEPTEMBER, 1936

Table with columns: DISTRICT, COUNTY AND PLACE; Hour of Observation; Height of Barometer above Mean Sea Level; MEAN PRESSURE (At Mean Sea Level, Difference from Average); TEMPERATURE AND HUMIDITY (Dry Bulb, Depression of Wet Bulb, Vapour Pressure, Relative Humidity); CLOUD AMOUNT (No. of Observations); VISIBILITY (Fog, Mist, Poor Vis., Mod. Vis., Good Visibility); WIND, NUMBER OF OBSERVATIONS (Force (0-12), Direction).

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " " 550 "
3	" 550 " " " 1,100 "
4	" 1,100 " " " 1½ miles.
5	" 1½ miles " " 2½ "
6	" 2½ " " " 6½ "
7	" 6½ " " " 12½ "
8	" 12½ " " " 31 "
9	" 31 " " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), *Pressure* (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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Price 1s. 0d. net, Post-free 1s. 1d.
Annual Subscription, including
Annual Summary and Introduction,
15s. 0d. post free.**OCTOBER, 1936.—Mainly anticyclonic at first; unsettled with frequent gales after the 14th.**

The month was dry on the whole in England, Ireland (except the extreme north) and east and south-east Scotland while sunshine was variable but exceeded the average generally. The last half of the month was very disturbed, with frequent strong winds and gales, particularly in northern districts.

An anticyclone centred, for the most part, to the north or north-east of Scotland maintained dry, quiet conditions in most districts for the first 11 days. Strong winds were, however, reported at times on the west and south-west coasts and rain fell locally chiefly in east and south-east England. Between the 9th and 10th the anticyclone north of Scotland moved southward and the Azores anticyclone spread north-east and by the 11th the highest pressure was situated to the west of Ireland. Thereafter, depressions passed on some easterly track to the north of these Islands, while associated secondary depressions or troughs extended further south. Meanwhile pressure continued high as a rule to the south-west or south. A deep depression which moved from south-westward of Iceland to the south of Norway between the 16th and 18th and a secondary which moved south-east across Scotland on the 19th caused widespread strong winds and gales from the 17th–19th and heavy rain in the north-west and north on the 16th and 17th. On the 24th a deep depression developed on the Atlantic south-west of Iceland and moved north-east and on the 26th an intense secondary depression situated west of Scotland moved rapidly east-north-east. This period was one of widespread strong winds and gales. The gales on the night of the 26th–27th were very severe, particularly in Scotland and northern Ireland and caused much damage and some loss of life. Unusually heavy falls of rain were recorded in north-west England and in Scotland on the 24th. Quieter conditions prevailed on the 29th and 30th, but a secondary depression moving eastward up the English Channel caused strong winds in the south on the 31st.

Pressure and Wind.—Pressure exceeded the average generally, the excess being greatest in the south-west and least in the north-east and varying at 7 h. from 8.5 mb. at St. Mary's, Scilly to 0.2 mb. at Lerwick in the Shetland Isles.

During the latter half of the month, strong winds and gales occurred frequently; gales were recorded on 9 days of the month at Lerwick and Stornoway, 8 days at Kirkwall and Rothesay and on 7 days at Southport, Holyhead, St. Ann's Head, Duntulm (Skye) and Eskdalemuir. The periods of strongest winds were the 17th–19th and 25th–27th. During the gale on the night of the 26th–27th, hangars and aeroplanes were wrecked at Abbotsinch and a tramcar weighing 15 tons was blown off the rails in Glasgow. Among the highest speeds recorded in gusts were 87 m.p.h. at Lerwick and Kirkwall on the 17th, 104 m.p.h. at Tiree, 94 m.p.h. at Bell Rock and 88 m.p.h. at Abbotsinch on the 26th and 95 m.p.h. at Paisley and 87 m.p.h. at Eskdalemuir and Bidston Observatory on the 27th.

Temperature.—Mean temperature, though variable, slightly exceeded the average in Scotland and Ireland; in England and Wales it was somewhat below the average, particularly in England, E. and England, S.E. where the deficiency amounted to 1.5°F. and 2°F. respectively (see Table I). The week ending the 10th was very cold in some districts, the deviation from the average daily mean temperature for the week amounting to 6.6°F. in England, S.E. and 5.3°F. in England, E. The highest day temperatures occurred as a rule between the 14th and 17th or on

the 22nd, but in some places the highest temperature was registered on one of the first five days or on the 29th or 30th. The lowest minima were recorded usually between the 4th and 9th but the 29th was also a cold morning.

The extremes for the month were:—(England and Wales) 68°F. at Scarborough on the 22nd and at Rickmansworth, Shoeburyness, South Farnborough and Newton Abbot on the 15th, 19°F. at Rickmansworth on the 29th; (Scotland) 67°F. at Stonehaven on the 22nd, 22°F. at Dalwhinnie on the 8th and at Braemar on the 7th; (Ireland) 65°F. at Ballinacurra and Cork on the 15th and 27°F. at Markree Castle on the 7th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881–1915 was 75, the values for the constituent countries being England and Wales 62, Scotland 105 and Ireland 72. In Scotland, rainfall exceeded the average in the west and north-west and was deficient in the east, while the distribution was rather variable in the south. Inveraray, Argyllshire, received twice the average and Montrose only one quarter of the average. In Ireland less than 50 per cent of the average occurred in a coastal strip in the south and south-east and more than 100 per cent at some places in the north. In England and Wales an excess was recorded only at a few places in the north; less than 50 per cent occurred in rather large areas in the southern half of the country, while less than 30 per cent was recorded at isolated stations in south Wales, Devon and Sussex.

Heavy rain occurred locally at times in the latter half of the month and among heavy falls in 24 hours were:—

- 16th. 78 mm. at Tyndrum (Perthshire) and 76 mm. at Glenquoich (Inverness-shire).
- 17th. 104 mm. at Kinlochquoich (Inverness-shire).
- 24th. 135 mm. at Watendlath (Cumberland), 116 mm. at Borrowdale (Cumberland), 79 mm. at New Dungeon Ghyll (Westmorland) and 76 mm. at Kinlochquoich (Inverness-shire).

Local thunderstorms occurred at times, particularly between the 24th and 27th. Hail was fairly frequent in the north and north-west; it was recorded on 7 days at Baltasound and Skallary, on 6 days at Malin Head and on 5 days at Duntulm (Skye), Carluke, Meltham and Southport. Thunder, hail, sleet and snow were widespread on the 27th. Snow or sleet occurred locally in the north of Scotland on each day from the 14th to 22nd and was reported rather widely in Scotland from the 25th–27th.

Sunshine.—Sunshine was rather variable but exceeded the average for the country as a whole. The only district with a deficiency was England, E. with 98 per cent of the average.

Compared with the average the sunniest districts were, Scotland, N. (114 per cent), Ireland, N. (112 per cent); Midlands (110 per cent) and Scotland, W. (110 per cent). Among sunny days may be mentioned the 3rd, 4th, 6th, 7th, 18th and 28th.

Fog.—Local fog occurred at times particularly from the 1st–8th, 12th, 24th, 29th and 30th.

Miscellaneous Phenomena.—The aurora was observed at northern stations in Scotland on nine days. Solar halos were noted at Oxford on seven days.

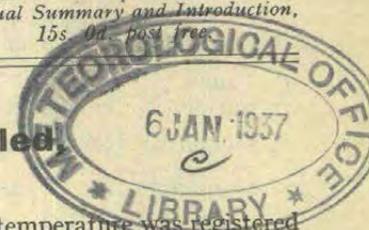


TABLE I.—DISTRICT VALUES.— OCTOBER, 1936

[1908, revised 1928.]

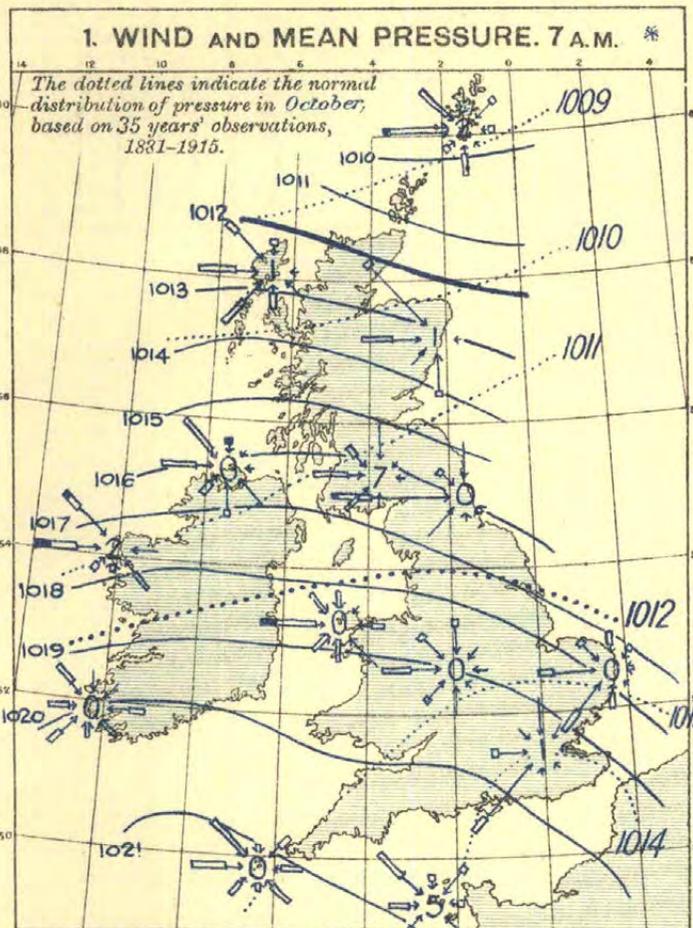
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	64	22	+0.6	-	-	119	-1	114	29
Eastern.									
1. SCOTLAND, E.	67	22	+0.3	-	-	58	-2	106	31
2. ENGLAND, N.E.	68	25	-0.2	+0.4	+0.9	53	-2	109	33
3. ENGLAND, E.	68	19	-1.5	-1.0	0.0	77	0	98	32
4. MIDLAND COUNTIES ..	67	25	-0.4	+0.2	+0.8	49	-4	110	31
5. ENGLAND, S.E.	68	26	-2.0	-0.9	+0.2	50	-4	104	33

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western.									
6. SCOTLAND, W. (and I. of Man)	64	25	+0.4	+0.9	+0.9	125	-1	110	28
7. ENGLAND, N.W. (and N. Wales)	66	24	-0.2	+0.5	+0.7	75	-2	107	31
8. ENGLAND, S.W. (and S. Wales)	68	24	-0.7	-1.1	+0.2	42	-4	106	33
9. IRELAND, N. ...	62	27	+0.5	+0.2	+0.5	93	-2	112	29
10. IRELAND, S. ...	65	30	+0.7	-0.1	+0.3	80	-5	103	29
11. CHANNEL I. (and Scilly)	63	42	-0.6	-1.5	-0.5	36	-6	100	36
Mean: DISTRICTS	68	19	-0.3	-0.1	+0.5	70	-3	107	31

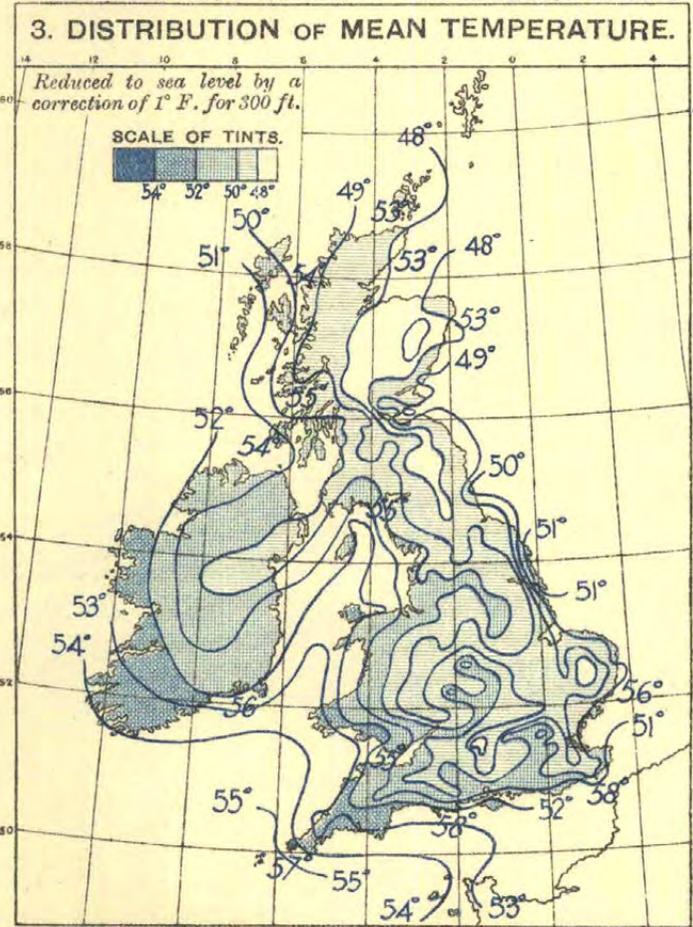
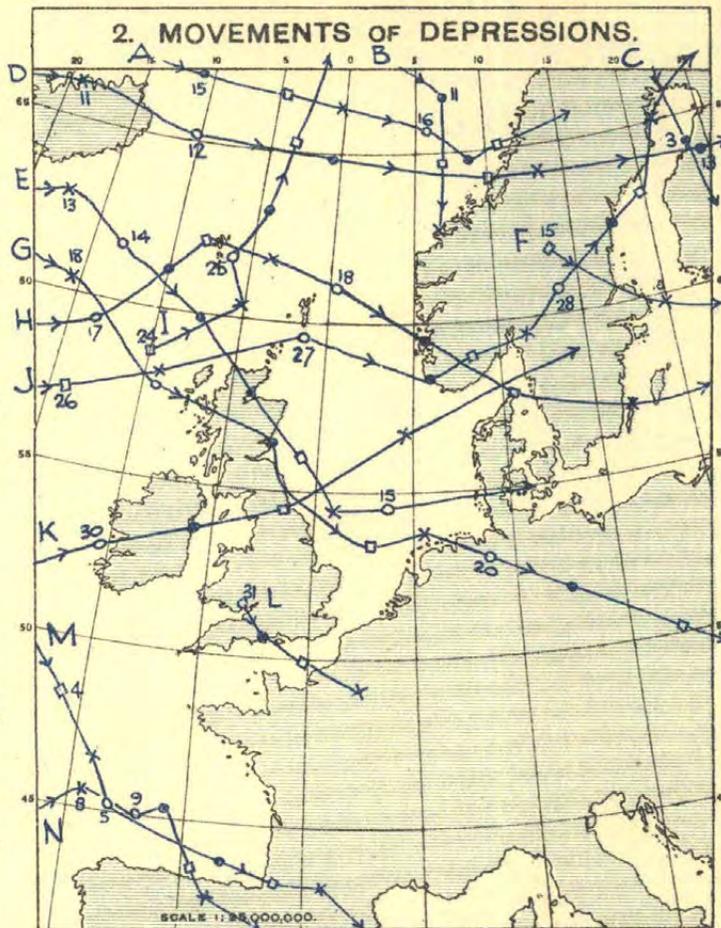
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— OCTOBER, 1936

[1914.]

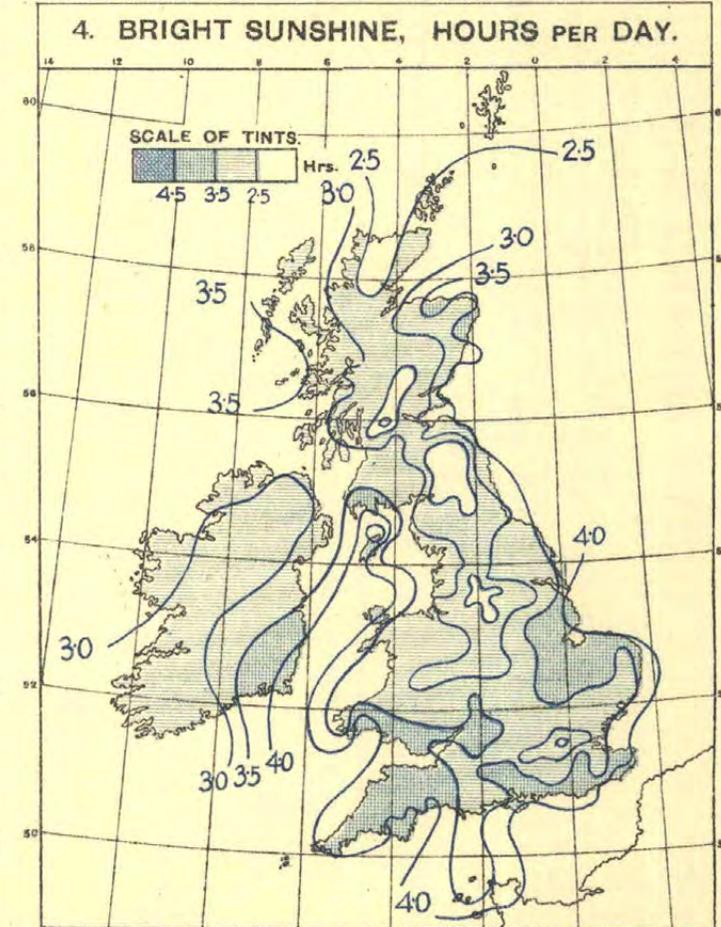
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust						
	ft.	ft.	ft.	Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time					
0. SCOTLAND, N.				24, 25	hr.																
Sutherland. †Lerwick ..	310	53	39	12, 15-18	45	18	187	254	172	69	17	240	58	26	17	19	87	39	17	17	30
Orkney. Kirkwall ..	170	40	35	17, 27	12	15	126	274	247	85	0	250	48	21	17	16	87	39	17	15	35
Hebrides. Stornoway ..	—	—	—	17, 18, 25, 26, 27, 29	32	16	144	245	200	123	0	250	52	23	17	15	84	38	17	14	15
1. SCOTLAND, E.																					
Aberdeen. Aberdeen ..	70	42	32	27	2	4	20	137	383	202	0	290	39	18	27	03	77	34	27	04	40
Kincairdine. Balmakewan ..	140	25	20																		
Angus. Bell Rock Lighthouse	130	—	126	17, 18, 24, 27	50	17	200	290	183	21	0	250	67	30	26	23	94	42	26	22	30
Edinburgh. Edinburgh ..	485	39	23	26, 27	4	5	27	291	270	152	0	250	43	19	26	23	71	32	26	21	25
6a. SCOTLAND, W.																					
Argyll. Tiree ..	75	50	42	17, 19, 26, 27	21	15	181	309	194	39	0	290	67	30	26	21	104	47	26	20	40
Renfrew. Paisley ..	188	81	31	26, 27	2	4	11	167	377	187	0	250	40	18	26	21	95	43	27	00	55
Renfrew. Renfrew (Abbotsinch)	65	46	34	26, 27	6	8	28	227	257	226	0	260	56	25	26	21	88	39	26	21	05
Dumfries. Eskdalemuir ..	825	50	35	17, 26, 27	5	11	64	204	274	197	0	290	41	19	27	03	87	39	27	02	20
6b. ISLE OF MAN.																					
Isle of Man. Point of Ayre ..	70	40	—	24-28	49	14	121	337	185	52	0	290	52	23	26	23	83	37	26	22	15
2. ENGLAND, N.E.																					
Durham. South Shields ..	73	57	44	-	0	6	32	305	359	48	0	270	38	17	27	01	72	32	27	00	35
Yorks., N.R. Catterick ..	220	45	33	-	0	4	20	131	339	254	0	260	35	16	27	02	80	36	26	22	30
Yorks., E.R. Spurn Head ..	64	42	34	18, 19, 26, 27	19	12	102	374	246	3	0	180	46	21	27	06	73	33	27	00	35
Linecoln. Cranwell ..	284	43	33	-	0	7	33	228	399	84	0	250	33	15	27	10	63	28	27	02	20
3. ENGLAND, E.																					
Norfolk. Gorleston ..	52	42	34	-	0	6	21	257	434	32	0	320	29	13	19	20	55	25	18	02	55
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	4	17	176	436	115	0	230	34	15	27	02	66	29	26	23	25
Suffolk. Mildenhall ..	64	45	20	-	0	4	17	176	436	115	0	230	34	15	27	02	66	29	26	23	25
Bedford. Cardington ..	285	150	135	26	1	9	79	269	333	62	0	260	40	18	26	24	65	29	26	23	05
Essex. Shoeburyness ..	115	104	89	-	0	8	53	289	387	15	0	210	33	15	25	06	57	25	27	02	35
4. MIDLAND COUNTIES.																					
Warwick. Birmingham ..	643	118	73	-	0	4	22	194	485	43	0	300	34	15	19	15	61	27	27	01	40
5. ENGLAND, S.E.																					
London. South Kensington ..	137	110	30	-	0	0	0	100	560	84	0	240	20	9	27	02	52	23	27	01	25
Surrey. Kew Observatory ..	92	75	50	-	0	1	1	153	495	95	0	290	26	11	19	17	55	25	19	16	10
Surrey. Croydon ..	313	105	70	-	0	5	58	258	334	94	0	280	34	15	27	02	59	26	19	17	00
Kent. Dover ..	66	66	60	-	0	10	50	296	345	22	31	-	32	14	17	13	50	22	17	12	30
Kent. Lympne ..	418	76	48	-	0	8	47	188	488	21	0	220	33	15	25	08	54	24	25	07	45
Hampshire. Calshot ..	58	50	42	-	0	6	25	237	420	62	0	340	36	16	31	14	55	25	19	14	15
Wiltshire. Boscombe Down ..	462	45	33	-	0	5	26	186	412	120	0	270	32	14	26	22	56	25	19	12	20
Wiltshire. Larkhill ..	491	51	36	19	1	9	56	281	365	41	0	300	39	17	19	14	68	30	26	23	15
7a. ENGLAND, N.W.																					
Lancashire. Fleetwood ..	112	50	31	17-19, 25-28	55	14	133	205	283	68	0	300	57	25	27	03	85	38	26	22	45
Lancashire. Manchester (Barton)	153	83	80	26, 27	12	10	67	209	327	129	0	290	46	21	26	23	74	33	27	05	55
Lancashire. Southport ..	60	42	33	17-19, 25-28	44	11	130	188	349	33	0	280	55	25	27	01	80	36	26	21	10
Cheshire. Bidston Obs'y. ..	262	64	39	17-19, 26, 27	41	11	121	241	285	56	0	290	55	25	27	05	87	39	27	04	15
7b. NORTH WALES.																					
Anglesey. Holyhead ..	68	43	35	17, 19																	
Flint. Sealand ..	81	65	42	26-28	41	14	108	340	197	58	0	270	53	24	26	23	82	37	26	21	35
8b. ENGLAND, S.W.																					
Devon. Moretonhampstead ..	838	40	35	-	0	4	27	168	403	146	0	330	33	15	19	15	62	28	26	18	10
Devon. Plymouth ..	185	88	65	-	0	4	13	191	382	135	23	-	31	14	31	07	57	25	31	06	05
Cornwall. The Lizard ..	315	75	60	26	10	18	180	351	183	20	0	250	40	18	26	10	62	28	25	09	05
Cornwall. Pendennis Castle ..	256	65	42	-	0	15	120	293	297	34	0	280	38	17	26	15	64	29	25	13	35
9. IRELAND, N.																					
Donegal. Dunfanaghy Road	180	47	30	17, 19																	
Antrim. Aldergrove ..	282	40	20	24, 26, 27	20	11	90	246	194	185	9	-	49	22	17	05	79	35	26	17	10
10. IRELAND, S.																					
Dublin. Kingstown (Cup Anr.)	49	27	27	26	19	19	134	366	202	33	0	250	44	20	26	17	-	-	-	-	-
Clare. Quilty ..	100	40	32	26	6	13	134	356	190	59	0	-	45	20	26	20	60	27	26	22	25
Kerry. Valentia Observatory	98	41	33	-	0																



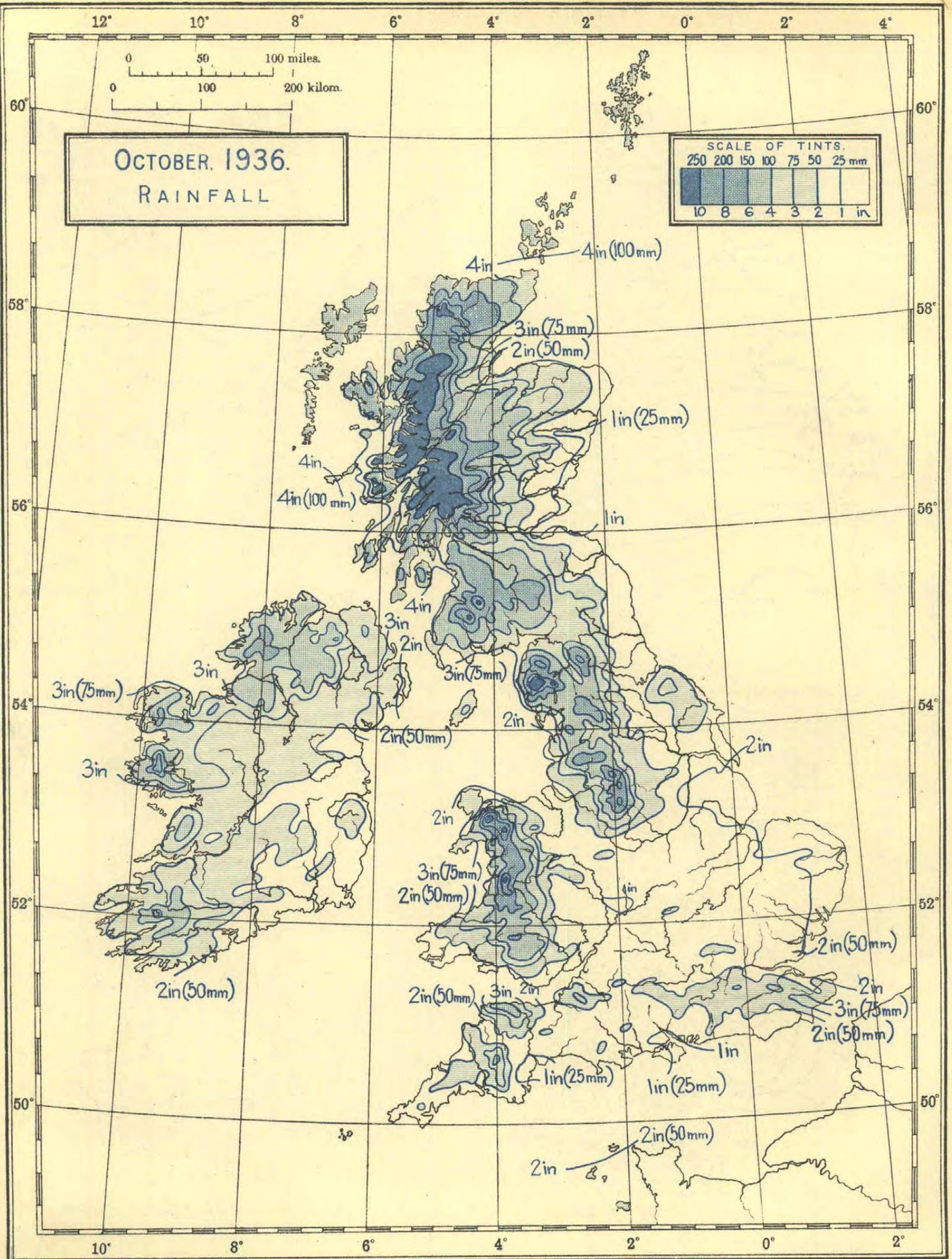
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT MODERATE GALE
 0 10 20 30 Obs. in 1 inch



Sea temperatures are shown in large figures, thus: 49°



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps 483/3175. Ws. 22 D17. Op. 908. 925. 11/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10 in = 254 mm. 1 mm.

TABLE III.—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, OCTOBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT						Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE							
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n 0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.				
			A Max.	B Min.		Max.	Min.	Date					Date	Amount										Date	Daily Mean		Difference from Average			
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%		
0. SCOTLAND, N.																														
Shetland.	Baltsound	9 9 9	31	51.1	42.5	46.8	+0.5	55	12	35	19	48.1	-	4.97	126	+15	25	26	23	18	0	0	7	1	1	2	2.71	+0.70	27	
	Lerwick	18-7 7	156	50.6	43.9	47.3	+1.4	56	12	37	20	-	-	4.12	105	+11	18	26	21	17	0	0	3	0	0	9	2.45	+0.08	24	
Orkney.	Deerness	2121 9	160	51.8	43.2	47.5	+0.3	56	3,22	38	26,27	-	-	4.21	107	+11	14	16,26	22	19	1	0	1	0	0	-	2.74	+0.23	27	
	Kirkwall	9 9 9	113	52.2	43.1	47.7	+0.2	56	3,22	38	8,19,20	48.6	-	4.72	120	+20	25	26	21	18	6	0	1	1	0	5	2.88	+0.25	28	
Hebrides.	Skallary	101010	30	55.2	47.1	51.1	-	58	4,9,10	38	27	-	-	4.98	127	-	24	16	21	18	0	0	7	0	-	-	-	-	-	
	Stornoway(C.G.)	18-7 7	80	53.5	44.8	49.1	+2.1	53	3,14	38	25	-	-	5.02	128	-	22	16	20	20	0	0	4	0	2	9	3.15	+0.60	31	
Skye.	Stornoway	- 9 30	-	-	-	-	-	-	-	-	-	-	-	5.70	145	+13	19	26	21	20	-	-	-	-	-	-	-	-	-	
	Duntulm	9 9 9	294	53.4	44.9	49.1	-	59	3,4	38	25,26	-	-	5.28	134	-	24	16	22	21	0	0	5	1	0	1	7	3.06	-	30
Caithness.	Wick	18-7 7	81	52.2	41.5	46.9	0.0	60	22	31	7,8	-	-	3.46	88	+13	16	26	19	15	0	0	4	0	0	5	-	-	-	
	Achnashellach	9 9 9	225	54.4	40.0	47.2	-	64	3	31	9	-	-	12.41	315	+111	52	16	21	20	6	0	1	1	0	-	-	-	-	
Ross & Cromarty.	Fortrose	9 9 9	69	53.5	42.8	48.1	+0.6	60	21,22	37	8,27,31	-	-	3.27	83	-	15	16	16	13	0	0	0	0	2	1	2.67	-0.48	26	
	Dalwhinnie	18-7 7	1176	50.0	36.7	43.3	-	58	3,20	22	8	-	-	6.73	171	-	33	16	18	16	3	1	0	0	1	12	1	2.39	-	28S
Inverness.	Ft. Augustus	9 9 9	68	54.4	40.0	47.2	+0.2	63	3	28	9	-	-	4.79	122	+22	27	24	19	16	0	0	2	0	3	-	2.58	-	25S	
	Ft. William	9 9 9	34	54.9	42.3	48.6	+0.8	61	5,21	31	9	48.5	51.6	11.12	282	+105	67	16	22	19	0	0	1	0	0	9	0	3.16	-	31S
Inverness.	Inverness	9 9 9	242	52.6	41.0	46.8	-0.9	61	3	33	8,9	-	-	3.13	80	+20	15	16	18	13	0	0	0	0	1	2	0	3.55	+0.61	34
	1. SCOTLAND, E.																													
Nairn.	Nairn	9 9 9	20	54.2	40.5	47.3	-0.6	62	22	29	9	-	-	2.33	59	-1	12	16	19	13	0	0	0	0	0	0	0	3.43	+0.30	33
	Forres	9 9 9	155	54.7	40.9	47.8	-	64	22	28	8	-	-	1.98	50	-	10	16	18	11	0	0	0	0	0	0	1	3.86	-	37
Moray.	Gordon Castle	2121 9	104	54.2	40.5	47.3	-0.2	63	22	31	8	-	-	2.57	65	-15	11	17	18	15	0	0	0	0	1	-	-	3.65	+0.48	35S
	Banff.	Banff	9 9 9	130	52.6	42.3	47.5	+0.2	62	22	34	8	-	-	2.13	54	-23	10	16	17	13	0	0	1	0	0	0	4	3.26	+0.01	32
Aberdeen.	Aberdeen	242424	79	53.1	41.8	47.5	-0.1	65	22	34	7,8	49.1	51.9	1.18	30	-46	5	18	16	9	0	0	1	0	0	6	2	3.60	+0.51	35
	Balmoral	9 9 9	927	51.1	36.3	43.7	-0.7	62	3	23	7	-	-	2.60	66	-25	15	26	19	12	1	0	0	0	0	11	1	-	-	-
Kincardine.	Braemar	2121 9	1111	51.5	36.3	43.9	0.0	65	3	22	7	-	-	3.04	77	-19	19	26	15	11	2	0	0	0	0	7	4	2.66	-	26S
	Craibstone	9 9 9	300	52.6	41.0	46.8	-	66	22	33	29	49.0	50.8	1.31	33	-50	6	26	16	10	0	0	0	0	0	8	-	3.73	-	36
Angus.	Logie Coldstone	9 9 9	608	52.2	37.5	44.9	-0.4	63	3,22	23	7	-	-	1.69	43	-39	17	26	12	9	0	0	0	0	0	10	-	-	-	-
	Stonehaven	9 9 9	12	55.3	41.3	48.3	-	67	22	30	29	-	-	0.98	25	-	8	26	15	7	0	0	0	0	0	-	3.41	-	33	
Perth.	Arbroath	2121 9	93	55.3	40.5	47.9	0.0	64	22	28	29	-	-	0.78	20	-46	7	26	8	6	0	0	0	0	0	8	1	3.68	-	35
	Carnoustie	9 9 9	39	54.7	42.9	48.8	+1.3	62	22	33	29	-	-	1.09	28	-43	7	26	11	8	0	0	1	0	0	-	1	3.55	+0.40	34
Fife.	Dundee	9 9 9	147	54.8	43.0	48.9	+1.8	63	22	34	29,31	48.9	-	1.42	36	-30	8	26	14	9	0	0	0	0	0	6	1	3.36	+0.21	32
	Kettins	9 9 9	218	54.3	39.6	46.9	+0.8	63	22	28	7	48.5	-	1.81	46	-35	13	24	13	9	0	0	1	0	1	6	5	-	-	-
Perth.	Montrose	9 9 9	16	55.2	42.1	48.7	+1.4	65	22	30	39	-	-	0.86	22	-	6	26	11	6	0	0	0	0	0	-	2	3.72	+0.39	36
	Crieff	2121 9	478	54.5	40.0	47.3	+0.7	62	21	32	4,7,29	-	-	2.93	74	-26	24	15	11	0	0	0	0	0	-	1	-	-	-	
Fife.	Perth	9 9 9	76	56.0	40.7	48.3	+1.2	63	6	27	31	-	-	2.24	57	-18	14	24	11	11	0	0	0	0	-	-	2.88	-0.05	28S	
	Cupar	9 9 9	210	54.4	41.5	47.9	+0.4	62	22	30	29	-	-	1.72	44	-	13	24	13	10	0	0	0	0	-	-	-	-	-	
Mid Lothian.	Dunfermline	9 9 9	237	54.4	41.9	48.1	-	62	14	33	29	50.8	53.9	1.98	50	-	14	24	13	9	1	0	0	1	0	8	2	2.80	-	27
	Inchkeith	18-7 7	190	54.5	45.4	49.9	+0.5	62	23	39	26,27	-	-	0.96	24	-33	6	26	13	10	0	0	0	0	2	1	4	3.01	-	29
Berwick.	Kirkcaldy	9 9 9	63	55.1	41.8	48.5	-0.3	62	22	31	28,31	-	-	1.77	45	-	15	24	14	9	0	0	0	0	-	-	-	-	-	
	Leuchars	18-7 7	35	54.4	41.5	47.9	+0.2	63	22	31	6,29	-	-	1.12	28	-38	6	24	14	7	0	0	0	0	1	7	1	3.54	-0.01	34
St. Andrews.	St. Andrews	9 9 9	13	54.5	42.1	48.3	+0.8	62	22	30	29	49.8	52.5	1.05	27	-45	6	24	11	8	0	0	0	0	0	3	-	3.57	+0.41	34
	6a. SCOTLAND, W.																													
Argyll.	Blackford H.	2121 9	441	53.4	42.8	48.1	+0.1	59	22,29	36	27	-	-	1.35	34	-36	14	24	15	9	0	0	1	0	0	0	2	3.28	+0.07	32
	Boghall	9 9 9	639	52.5	41.5	47.0	-	59	3	32	29	47.2	50.9	2.39	61	-	25	24	19	11	1	0	0	0	0	4	-	2.87	-	28
Ardornish.	Liberton	9 9 9	190	54.5	42.0	48.3	-	64	3	30	6	-	-	1.50	38	-	17	24	14	10	0	0	0	0	-	-	-	-	-	
	Univ. King's B.	9 9 9	225	54.9	42.6	48.7	-	65	3	33	6	48.3	52.4	0.88	22	-	8	24	12	6	-	-	-	-	-	-	-	-	-	
E. Lothian.	Dunbar	9 9 9	75	54.3	42.5	48.4	-	62	22	31	31	-	-	1.10	28	-	8	24	13	6	0	0	0	0	0	2	1	3.62	-	35
	N. Berwick	9 9 9	118	53.3	43.1	48.2	-	61	22	33	6	-	-	1.33	34	-38	7	13	15	9	0	0	0	0	0	3	1	3.01	-	29
Berwick.	Marchmont	9 9 9	498	53.2	41.0	47.1	+0.4	62	22	30	29	-	-	1.81	46	-51	15	24	16	9	0	0	0	0	-	-	2.48	-0.13	24S	
	Peebles.	9 9 9	629	53.																										

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, and of WEATHER OBSERVATIONS, OCTOBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE						
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n			Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day								
			A	B		Maximum	Date	Minimum					Date	Amount	Date	0.2 mm. or more	1 mm. or more					Snow	Snow lying	Hail	Daily Mean	Difference from Average	Per Cent.			
			Max.	Min.	Mean of A and B	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%				
6b. ISLE OF MAN.																														
Isle of Man.	Douglas	9 9 9	284	54.8	45.8	50.3	+0.4	59	15	37	8	-	-	3.00	76	-39	14	24	18	16	0	0	1	0	0	2	6	3.58	+0.40	34
	Point of Ayre	18-7 7	30	56.3	48.3	52.3	-	61	22	37	8	-	-	2.54	64	-	12	27	16	11	0	0	0	0	0	6	4.51	-	43	
2. ENGLAND, N.E.																														
Northumb.	Berwick-on-T.	9 9 9	76	54.4	42.4	48.4	-	62	22	33	6,29	-	-	1.36	35	-38	9	24	13	10	0	0	0	0	0	-	3.88	-	37	
	Bellingham	9 9 9	849	52.4	38.9	45.7	0.0	57	3,14,22	30	29	-	-	2.86	73	-27	28	24	22	13	2	0	1	0	0	-	-	-	-	
	Cockle Park	2121 9	325	54.5	39.5	47.0	-0.3	61	3	32	29	46.5	50.6	1.49	38	-49	5	19	18	10	0	0	0	0	0	3	2	3.39	+0.25	33
	Tynemouth	18-7 7	108	54.1	45.3	49.7	-0.4	62	17,22	35	29	-	-	1.44	37	-39	8	26	18	9	1	0	0	0	0	2	2	3.36	-	31
Durham.	Chopwellwood	9 9 9	446	54.3	40.9	47.6	+0.5	62	22	33	6,28	-	-	1.41	36	-49	9	26	12	10	1	0	0	0	0	7	-	2.99	-0.13	28
	Durham	2121 9	336	55.2	40.8	48.0	+0.3	65	22	31	4	-	-	1.36	35	-45	7	26	15	9	1	0	1	0	1	8	1	2.99	+0.04	28
	Houghall	9 9 9	160	57.4	39.4	48.4	-	65	15	26	4,29	-	-	1.43	36	-	10	26	12	10	1	0	1	0	0	9	1	2.89	-	27
	Ushaw College	9 9 9	594	53.4	41.7	47.5	-0.2	64	22	34	6,28,29	-	-	1.50	38	-49	9	26	16	10	1	0	1	1	6	-	-	-	-	
Yorks., N. Riding.	Ampleforth	9 9 9	313	54.4	41.1	47.7	-0.6	61	22	31	29	-	-	1.49	38	-	9	30	17	9	0	0	1	0	2	10	-	3.30	-	31
	Castleton	9 9 9	450	54.1	39.2	46.7	-	62	22	25	29	48.8	-	3.21	81	-	17	19	21	11	0	0	1	0	0	4	-	-	-	
	Catterick	18-7 7	175	54.7	42.5	48.6	-	62	22	28	4	-	-	1.30	33	-	7	30	14	9	1	0	1	0	1	6	1	3.11	-	30
	Scarborough	9 9 9	118	57.3	45.1	51.2	+0.5	68	22	36	29	-	54.5	1.88	48	-31	16	30	17	10	1	0	2	0	0	1	1	3.82	+0.65	36
	York	2121 9	57	56.5	42.2	49.3	-0.3	62	17	30	29	51.3	54.5	1.47	37	-31	11	30	16	8	0	0	0	1	-	2	3.23	+0.41	31	
Yorks., E. Riding.	Hull	2121 9	8	56.8	44.5	50.7	+1.0	63	15	34	29	50.2	54.0	1.55	39	-37	16	30	16	9	0	0	0	0	0	3	-	3.41	-	32
	Spurn Head	18-7 7	29	55.8	46.7	51.3	-0.2	61	17	39	28,29	-	-	2.43	62	-8	14	30	22	11	0	0	0	0	0	-	2	4.09	+0.47	39
Lincoln.	Cranwell	18-7 7	240	55.6	42.3	48.9	-1.0	63	17	32	4	48.5	53.3	1.86	47	-26	10	19	15	12	0	0	2	1	2	4	0	3.80	0.00	36
	Cleethorpes	9 9 9	23	56.5	44.9	50.7	-	64	30	33	29	-	-	1.82	46	-	15	30	18	12	0	0	0	0	1	-	-	4.26	-	41
	Skegness	9 9 9	15	56.0	44.5	50.3	+0.4	63	17,22	34	29	-	-	2.28	58	-12	9	30	15	12	0	0	1	1	0	1	-	4.20	+0.48	40
3. ENGLAND, E.																														
Norfolk.	Cromer	9 9 9	178	55.5	44.7	50.1	-1.0	62	17	36	28	-	-	2.38	60	-10	10	24	21	15	0	0	0	1	0	0	2	4.08	+0.42	39
	Hunstanton	9 9 9	105	55.9	44.4	50.1	-	60	2,17,30	35	29	-	-	2.13	54	-	10	24	20	16	0	0	2	2	0	-	-	4.05	-	38
	Norwich	9 9 9	110	55.7	41.5	48.6	-1.9	62	17	31	4,29	48.9	-	1.92	49	-	9	19	22	14	0	0	1	0	-	10	-	3.40	-0.33	32
	Sprowston	9 9 9	93	56.3	41.1	48.7	-	62	17,22	30	4	-	-	1.96	50	-	8	24	21	16	0	0	0	0	14	-	3.38	-	32	
	Terrington	9 9 9	13	57.2	42.3	49.7	-	64	30	30	29	-	-	1.61	41	-	7	24	22	15	0	0	0	0	2	5	-	3.81	-	36
	Thetford	9 9 9	99	55.9	38.7	47.3	-	63	15	25	4	49.5	53.7	1.54	39	-	7	24	21	17	0	0	0	0	0	11	-	3.52	-	33
	(Lynford Nursery)																													
	Yarmouth	18-7 7	5	55.5	45.3	50.4	-1.7	62	17	34	29	52.0	55.4	2.59	66	-8	10	6	22	15	0	0	3	0	0	0	0	3.79	+0.03	36
Suffolk.	Bungay (Flix'n)	9 9 9	79	55.3	41.9	48.6	-2.1	61	4	31	4	-	-	2.58	65	-	14	19	18	16	0	0	0	1	0	2	-	-	-	
	Copdock	9 9 9	164	55.9	41.6	48.7	-1.6	63	4,15,22	33	4,29	49.8	54.1	1.82	46	-	5	24	22	14	0	0	1	0	4	-	3.35	-0.44	32	
	Felixstowe	9 9 9	72	55.8	44.0	49.9	-	63	15,22	34	29	-	-	2.14	54	-	7	31	21	17	0	0	0	0	-	-	3.68	-	35	
	Hartest	9 9 9	250	55.8	36.8	46.3	-	64	4	25	29	-	-	1.84	47	-	10	31	21	10	0	0	0	1	9	-	3.49	-	33	
	Lowestoft	9 9 9	82	55.3	43.8	49.5	-2.2	62	17,22	33	29	51.2	54.7	2.28	58	-13	10	7	21	15	0	0	2	0	1	0	3.72	-0.01	35	
	Mildenhall	18-7 7	19	56.6	41.6	49.1	-	63	4,22,30	32	29	-	-	1.57	40	-	9	31	19	11	0	0	0	0	0	4	2	3.51	-	33
Cambridge.	Cambridge (Bot. Gdns.)	2121 9	41	56.6	40.3	48.5	-1.7	65	15	29	4,29	50.9	55.1	1.91	48	-12	12	31	13	10	0	0	0	0	10	0	3.33	-0.17	31	
	(Univ. Farm)	9 9 9	78	56.4	40.7	48.5	-	64	4	32	4,29	-	-	1.78	45	-	10	31	17	11	0	0	0	1	8	1	3.68	-	35	
Bedford.	Luton	9 9 9	381	55.2	40.7	47.9	-1.8	64	15	28	29	51.0	56.3	1.59	40	-	15	31	14	7	0	0	0	1	0	7	-	3.25	-0.45	31
	Woburn	9 9 9	291	55.5	40.4	47.9	-1.4	64	15	29	4	49.2	53.2	1.80	46	-22	14	31	18	10	0	0	1	0	1	11	-	3.56	+0.33	34
Hertford.	Rickmansworth	9 9 9	192	57.5	33.2	45.3	-	68	15	19	29	49.3	54.7	2.11	54	-	10	31	17	13	0	0	1	2	7	26	0	3.42	-	32.8
	Rothamsted	9 9 9	420	54.0	41.4	47.7	-1.6	63	15	30	29	49.0	-	1.62	41	-37	11	31	15	10	0	0	1	0	7	1	3.16	-0.26	30	
	St. Albans	9 9 9	272	55.8	40.0	47.9	-	65	15	27	29	50.6	-	2.04	52	-21	12	18	14	11	0	0	0	1	1	5	-	-	-	
Essex.	Clacton-on-S.	9 9 9	53	55.5	44.1	49.8	-1.7	65	15	34	29	51.3	55.0	1.87	48	-4	6	24	20	15	0	0	2	1	0	1	-	3.78	-0.11	36
	Chelmsford	9 9 9	134	56.8	40.4	48.6	-1.1	67	15	29	4,29	-	-	1.09	28	-34	10	25	16	9	0	0	0	0	-	-	-	-		
	Chelmsford (Agr. St.)	9 9 9	193	56.8	40.8	48.8	-	66	15	29	4	-	-	1.51	38	-	10	24	17	10	0	0	0	0	-	11	-	3.15	-	29
	Earls Colne	9 9 9	168	56.0	40.9	48.5	-	65	15,22	29	4	-	-	-	-	-	-	-	-	-	0	0	1	-	-	-	-	-		
	Halstead	9 9 9	140	56.7	40.2	48.5	-1.9	66	15	29	4,29	-	-	1.74	44	-														

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of OCTOBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS															
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS				NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
										0	1 to 3	4 to 6	7 to 10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			ft.	mb.	°F.	°F.	mb.	%	0	1 to 3	4 to 6	7 to 10	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
2. ENGLAND, N.E.—cont.			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%	0	1 to 3	4 to 6	7 to 10	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
Durham.	Durham	..	9	352	1016.8	-	48.3	2.5	9.4	81	5.5	4	7	5	7	8	0	0	0	1	7	2	8	9	4	0	0	7	20	4	4	1	0	1	7	1	9	4
			21	352	1016.4	-	46.5	1.9	9.2	85	5.6	10	2	3	4	12	0	0	0	0	5	10	13	3	0	0	7	20	4	5	0	0	0	3	5	12	2	2
Yorks., N. Riding	Catterick	..	7	186	1016.6	-	45.1	1.7	9.1	87	7.2	0	6	2	17	6	0	1	0	0	2	4	0	9	14	1	0	6	19	6	1	0	0	2	2	3	6	11
			13	186	1016.5	-	52.8	4.3	9.8	72	7.3	2	2	4	19	4	0	0	0	1	2	7	4	15	1	0	11	20	0	0	2	2	4	2	4	2	6	6
			18	186	1016.7	-	48.3	2.2	9.8	84	6.6	1	6	6	11	7	0	0	0	1	2	5	8	12	1	0	5	20	6	5	0	2	1	3	1	8	5	
Yorks., N. Riding	Scarborough	..	9	96	1016.7	-	52.0	3.8	9.8	74	6.1	0	11	3	11	6	0	0	0	1	0	8	6	16	0	0	9	22	0	3	1	0	3	1	5	2	16	
			9	53	1017.7	-	49.0	2.8	9.4	80	5.6	6	5	4	9	7	-	-	-	-	-	-	-	-	-	0	4	27	0	6	1	1	0	7	2	9	5	
			21	53	1017.7	-	47.9	2.3	9.4	81	5.1	8	6	3	7	7	-	-	-	-	-	-	-	-	-	0	2	29	0	5	5	0	1	3	6	10	1	
Yorks., E. Riding	Spurn Head	..	1	28	1016.6	-	49.2	1.5	10.6	89	6.1	3	3	9	9	7	0	0	0	1	3	6	11	10	0	2	8	11	0	2	5	2	0	1	6	11	4	
			7	28	1016.4	+4.4	49.1	1.9	10.2	85	7.4	1	4	2	14	10	0	0	0	0	2	11	6	12	0	1	20	10	0	2	3	3	1	1	8	7	6	
			13	28	1016.6	-	54.3	4.0	10.6	74	7.4	0	2	5	20	4	0	0	0	0	1	6	13	11	0	1	21	9	0	5	2	4	0	3	4	7	6	
			18	28	1016.5	-	51.3	2.4	11.2	87	7.4	0	3	8	12	8	0	0	0	1	1	4	15	10	0	1	19	10	1	5	3	2	1	3	2	10	4	
Lincoln.	Cranwell	..	7	243	1018.0	-	44.8	1.1	9.4	91	6.9	0	7	4	13	7	0	1	1	0	4	2	9	9	4	1	0	11	18	2	4	0	1	0	1	7	10	6
			13	243	1017.9	-	54.1	4.5	10.2	71	7.3	0	4	4	17	6	0	0	0	0	1	8	10	10	2	0	15	16	0	3	3	1	2	2	7	8	5	
			18	243	1018.1	-	49.5	2.2	10.3	84	7.2	0	6	3	14	8	0	0	0	0	1	12	12	6	0	0	6	23	2	4	2	0	1	2	5	10	5	
8. ENGLAND, E.																																						
Norfolk.	Cromer	..	9	74	1017.4	-	51.3	3.1	10.1	78	6.0	3	3	12	9	4	0	0	0	0	0	11	20	0	0	1	10	20	0	8	3	1	0	5	4	7	3	
			1	26	1017.5	-	48.2	1.3	10.3	89	6.9	5	2	3	10	11	0	0	0	0	2	17	12	0	0	0	11	20	0	2	1	3	1	2	13	6	3	
Norfolk.	Yarmouth	..	7	26	1017.3	+4.6	47.7	1.9	9.7	86	7.9	0	3	2	21	5	0	0	0	0	1	18	9	0	0	0	12	19	0	3	2	1	1	2	9	8	4	
			13	26	1017.6	-	54.0	4.5	10.1	70	7.2	0	3	9	11	8	0	0	0	0	1	18	12	0	0	0	17	14	0	5	3	2	1	3	7	6	4	
			18	26	1017.4	-	51.6	3.7	9.7	74	6.9	2	3	8	11	7	0	0	0	0	0	23	8	0	0	0	9	22	0	1	4	2	1	4	8	4	7	
Suffolk.	Felixstowe Aero.	..	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Suffolk.	Mildenhall	..	7	21	1018.2	-	45.0	1.0	9.6	92	6.5	1	7	5	10	8	0	0	0	2	11	5	4	9	0	0	10	21	0	2	1	3	8	8	2	4		
			13	21	1018.0	-	54.8	5.0	10.1	68	7.8	0	2	6	14	9	0	0	0	0	1	5	18	0	0	0	18	13	0	2	3	1	5	8	6	5		
			18	21	1018.1	-	49.8	1.6	10.0	81	5.4	0	12	7	8	4	0	0	0	1	2	10	8	10	0	0	5	25	1	1	3	2	3	5	9	3	4	
Cambridge.	Cambridge	H	9	43	1019.1	+5.4	51.6	2.7	10.7	81	6.2	6	3	5	6	11	-	-	-	-	-	-	-	-	-	0	6	25	0	3	6	1	2	1	6	10	2	
			21	43	1019.5	+5.9	46.9	1.5	9.8	89	5.1	14	0	0	6	11	-	-	-	-	-	-	-	-	-	0	4	25	2	4	5	1	1	1	9	6	2	
Hertford.	Rothamsted	..	9	396	1019.0	-	48.6	2.3	9.7	83	6.0	3	8	2	12	6	0	0	0	0	8	23	0	0	0	0	7	22	2	8	1	1	1	3	4	9	2	
Essex.	Shoeburyness	H	7	12	1019.0	-	47.2	1.9	9.5	86	7.3	1	4	4	11	11	0	0	0	2	3	4	7	4	11	0	6	23	2	1	2	2	2	1	7	9	5	
			13	12	1018.9	-	55.1	5.2	10.0	67	7.1	0	6	3	17	5	0	0	0	0	1	3	6	9	12	0	12	19	0	4	2	2	2	2	4	9	6	
			18	12	1018.9	-	50.8	2.9	10.1	79	6.7	2	7	2	13	7	0	0	0	1	3	4	5	10	8	0	5	25	1	3	3	2	1	1	7	10	3	
4. MIDLAND COUNTIES.																																						
Yorks., W. Riding	Harrogate	..	9	478	1017.4	-	48.1	2.7	9.1	80	6.2	1	9	3	12	6	0	0	0	1	3	7	4	3	7	6	2	5	23	1	5	0	2	0	4	8	9	2
Nottingham.	Nottingham	..	9	215	1018.0	-	49.4	3.3	9.1	79	7.2	2	2	6	10	11	0	1	1	2	11	0	15	1	0	0	5	26	0	6	3	1	1	2	1	16	1	
Warwick.	Birmingham	H	7	542	1019.2	-	46.1	1.8	9.2	86	6.7	1	7	3	14	6	0	0	0	7	4	5	3	12	0	0	7	24	0	5	2	2	1	4	4	9	4	
			13	542	1018.8	-	52.8	5.1	9.2	67	7.5	0	2	8	15	6	0	0	0	5	2	14	4	6	0	0	12	19	0	3	4	2	2	2	5	6	7	
			18	542	1018.9	-	50.6	3.7	9.4	74	7.0	1	3	8	12	7	0	0	0	6	9	8	5	3	0	0	7	23	1	2	4	2	3	1	5	8	5	
Oxford.	Oxford	..	9	212	1020.1	+5.8	48.9	2.5	9.6	81	6.3	1	10	0	10	10	0	0	0	1	5	12	5	8	0	0	6	25	0	5	5	1	2	2	8	7	1	
Shropshire.	Shrewsbury	H	9	186	1018.9	-	48.9	2.6	9.7	83	6.4	1	3	13																								

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of OCTOBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS				NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION												
										0	1 to 3	4 to 6	7 to 10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
			0	1	2	3	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.											
8a. SOUTH WALES—cont.																																							
Radnor.	Liandrindod Wells	9	725	1020.1	-	49.9	3.3	9.3	76	8.0	0	2	6	10	13	0	0	0	0	0	4	8	15	4	0	2	10	19	0	5	1	4	1	3	0	10	7		
	Rhayader ..	9			-	47.6	2.2	9.4	83	6.7	3	3	7	9	9	0	0	0	0	1	8	5	4	13	0	0	8	22	1	0	3	3	2	0	9	9	4		
Glamorgan.	Cardiff ..	9	216	1021.3	-	50.5	2.6	10.2	81	6.2	5	5	2	8	11	0	0	0	0	5	4	15	6	1	0	0	6	25	0	2	9	1	0	0	7	11	1	1	
		21	216	1021.0	-	49.1	2.1	10.1	85	5.2	13	0	3	2	13	0	0	0	0	0	0	25	0	6	0	0	11	20	0	0	5	1	1	1	3	14	6	6	
8b. ENGLAND, S.W.																																							
Somerset.	Bath ..	9	113	1020.2	-	51.1	2.9	10.1	78	5.7	6	9	0	5	11	0	0	0	3	2	7	11	7	1	0	0	7	23	1	2	6	4	0	1	3	12	2	2	
Dorset.	Holton Heath H	9	58	1020.8	-	51.2	2.7	10.6	81	6.5	4	5	3	5	14	0	0	0	0	6	15	4	6	0	0	0	15	12	4	2	5	3	1	1	2	7	6	6	
		15	58	1019.8	-	54.8	4.3	10.7	72	6.2	0	10	6	5	10	0	0	0	0	1	5	10	10	5	0	0	23	7	1	5	4	3	3	1	4	5	6	5	
		1	37	1020.1	-	52.1	2.6	10.9	82	6.0	5	5	6	10	0	0	0	0	0	0	0	19	12	0	0	0	0	14	17	0	3	8	3	2	0	0	9	6	
Dorset.	Portland Bill ..	7	37	1019.6	+6.9	51.9	2.4	11.0	84	7.5	1	5	0	14	11	0	0	0	0	0	2	14	15	0	0	0	22	9	0	1	9	1	2	0	3	7	8	8	
		13	37	1019.8	-	55.6	3.3	11.9	79	7.9	0	1	5	16	9	0	0	0	0	0	2	17	12	0	0	0	0	21	10	0	1	6	4	2	1	5	6	6	
		18	37	1019.6	-	54.2	3.3	11.3	79	7.3	0	3	7	10	11	0	0	0	0	0	1	23	7	0	0	0	0	18	13	0	3	7	3	2	0	3	5	8	
Devon.	Moretonhampstead	9	801	1020.9	-	49.1	2.5	9.8	81	6.9	0	8	2	12	9	0	0	0	0	0	6	11	14	0	0	0	10	20	1	3	4	2	2	3	0	4	12	12	
		15	801	1020.0	-	52.3	4.1	9.8	72	7.0	0	6	6	13	6	0	0	0	0	0	2	8	21	0	0	0	15	16	0	4	5	1	6	0	2	6	7	4	
Devon.	Plymouth H	7	27	1020.6	-	49.3	2.1	10.4	85	6.7	1	5	7	11	7	0	0	0	0	4	3	6	16	1	1	1	7	21	2	3	6	4	1	1	3	7	4	7	
	(Mount Batten) ..	13	27	1020.8	-	56.0	4.5	11.1	72	7.6	0	2	7	17	5	0	0	0	0	1	3	7	19	1	0	0	16	15	0	2	3	5	2	1	6	6	6	6	
		18	27	1020.7	-	53.7	3.3	11.2	78	6.5	0	8	7	8	8	0	0	0	0	4	11	10	6	0	0	0	10	19	2	3	4	4	1	0	2	8	7	3	
		1	240	1021.3	-	51.9	2.2	11.1	85	6.2	4	6	3	9	9	0	1	0	0	0	0	5	25	0	0	0	0	20	11	0	7	3	5	0	2	4	7	3	
Cornwall.	The Lizard ..	7	240	1020.9	-	51.1	2.4	10.7	83	7.5	0	4	8	9	10	0	0	0	0	1	4	25	0	0	0	0	20	10	1	4	2	5	4	1	2	3	10	4	4
		13	240	1021.2	-	56.0	3.4	12.0	79	7.3	0	3	10	8	10	1	0	0	0	0	1	3	26	0	0	0	0	24	7	0	0	3	5	0	1	6	9	4	
		18	240	1021.2	-	52.5	2.5	11.1	82	7.7	0	1	8	12	10	0	1	0	0	0	0	5	25	0	0	0	0	17	14	0	0	3	3	5	0	6	8	6	
Cornwall.	Newquay ..	9	161	1021.1	-	53.2	2.5	11.5	83	5.8	2	9	6	6	8	0	0	0	0	1	5	8	10	7	0	0	14	17	0	2	1	2	7	3	2	8	6	6	
9. IRELAND, N.																																							
Silgo.	Markree Castle ..	9	127	1018.3	-	50.0	1.5	10.9	89	6.6	2	4	9	5	11	0	0	0	0	0	3	9	19	0	0	0	4	20	7	1	0	1	4	6	0	10	2	2	
		21	127	1017.6	-	50.2	1.6	10.9	88	6.8	1	6	6	6	12	0	0	0	0	0	4	7	20	0	0	0	0	4	20	7	0	0	1	3	4	3	9	4	4
		1	28	1017.6	-	51.9	2.4	10.7	81	6.2	4	2	12	4	9	0	0	0	0	0	1	15	15	0	3	9	15	4	0	0	2	7	3	2	9	4	4	4	
Mayo.	Blacksod Point ..	7	28	1017.3	-	51.8	2.5	10.9	83	7.1	1	4	8	5	13	0	0	0	0	0	0	14	17	0	3	11	15	2	0	0	4	5	1	2	11	6	6	6	
		13	28	1017.7	-	55.6	3.6	11.6	77	6.7	1	2	12	9	7	0	0	0	0	0	1	11	17	2	3	16	12	0	2	1	2	6	2	4	10	4	10	6	
		18	28	1017.6	-	53.6	3.1	11.1	79	7.6	0	2	8	10	11	0	0	0	0	0	0	1	16	13	1	2	16	13	0	1	1	2	5	3	3	10	6	6	
		1	87	1015.8	-	50.3	1.3	11.2	90	6.7	3	3	6	11	8	0	0	0	0	1	1	3	24	2	0	1	18	12	0	2	1	0	5	6	5	7	5	5	
Donegal.	Malin Head ..	7	87	1015.9	+5.9	50.1	1.4	11.4	90	7.3	0	5	5	17	4	0	0	0	0	0	7	17	7	0	1	14	16	0	1	1	1	5	5	4	7	7	7		
		13	87	1016.2	-	53.9	2.3	12.0	85	7.2	1	3	3	20	4	0	0	0	0	2	3	18	8	0	0	0	20	11	0	2	0	2	5	1	6	8	7	7	
		18	87	1015.9	-	51.6	1.4	11.8	90	7.7	0	3	6	12	10	0	0	0	0	1	1	9	16	4	0	2	14	15	0	2	1	0	6	4	4	9	5	5	
		7	245	1017.4	-	46.2	1.3	9.8	90	7.3	0	6	2	13	10	0	0	0	0	1	9	13	7	0	0	0	13	14	4	0	2	4	1	3	4	9	4	6	
Antrim.	Aldergrove H	13	245	1017.4	-	53.4	3.8	10.6	76	7.5	0	5	3	15	8	0	0	0	0	0	5	9	14	3	0	0	14	16	1	0	0	4	3	2	4	11	6	4	
		18	245	1017.4	-	50.0	2.4	10.2	82	6.7	0	7	6	11	7	0	0	0	0	0	7	11	12	1	0	8	20	3	2	0	3	3	2	6	9	3	3		
Armagh.	Armagh .. H	9	209	1017.9	+5.8	49.0	2.0	10.3	85	5.9	1	10	5	6	9	0	0	0	1	2	2	9	17	0	0	2	26	3	2	0	4	3	3	8	7	1	1		
		21	209	1017.7	+5.6	47.3	1.7	9.9	87	5.8	6	3	7	6	9	0	0	0	0	1	3	9	5	13	0	0	5	20	6	2	0	2	2	11	4	2	2		
10. IRELAND, S.																																							
Dublin.	Glasnevin ..	9	56	1019.3	-	51.0	2.8	10.2	80	6.2	4	0	12	8	7	0	0	0	2	5	5	6	1	12	0	0	5	25	1	0	1	3	3	1	7	11	4	4	
		21	56	1019.4	-	49.8	2.5	10.0	82	5.7	7	0	13	2	9	0	0	0	0	5	6	7	1	12	0	0	5	25	1	0	1	4	4	2	6	11	2	2	
		7																																					

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich*.—A Glaisher stand is used. *Aberdeen and Valentia Observatories*.—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory*.—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

§. Where the symbol § occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: ASTOR HOUSE, KINGSWAY, LONDON, W.C.2; 120 GEORGE STREET, EDINBURGH 2; 26 YORK STREET, MANCHESTER 1; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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NOVEMBER, 1936.—Mainly dull; unsettled until the 17th; widespread fog 19th—28th.

The month was dull in most districts; it was wet on the whole in England and Wales, northern and western Ireland and locally in southern Scotland. A striking feature of the weather was the widespread and often thick fog which was experienced between the 19th and 28th.

Unsettled conditions prevailed for the most part until the 17th. From the 1st–4th pressure was high south-westward of the British Isles, while depressions moved eastward to the north of Scotland and secondary troughs crossed the British Isles. Between the 6th and 9th a depression approached the west of Ireland and then moved in over Ireland and finally over Scotland. Rain fell fairly generally and was heavy locally while gales occurred at times particularly in the west. A new intense depression approached south-west Ireland on the 11th and moved rather rapidly east and then north-east across England to Denmark. Strong winds and gales were widespread; rain fell in most places and was heavy locally. In the rear of this disturbance a belt of high pressure crossed the British Isles on the 13th but unsettled weather with rain at times was renewed almost immediately. A secondary depression moved rapidly across northern Scotland on the 15th and between the 16th and 17th a new depression crossed England. Behind the latter the northerly winds caused a rapid fall in temperature on the 18th.

On the 18th an anticyclone to the west and north-west of the British Isles moved south-east and thereafter anticyclonic conditions prevailed for the most part until the 28th, though a shallow depression was situated westward of Ireland on the 23rd and 24th. During the anticyclonic régime, widespread and persistent fog occurred in some areas; for example at Barton, Manchester, the period 19th–28th was characterised by almost continuous fog.

A deep depression west of Iceland moving eastward caused further rain and strong westerly to north-westerly winds with local gales on the 29th and 30th.

Pressure and Wind.—Mean pressure for the month was somewhat below the average generally, the deviation from the average at 7h. varying from +0.1 mb. at the Scilly Isles to -1.7 mb. at St. Ann's Head.

Strong winds and local gales occurred frequently during the unsettled period from the 1st–18th and gales were widespread in the west and north on the 29th and 30th; at St. Ann's Head gales were reported on as many as 12 days. Mean hourly velocities of 56 m.p.h., 56 m.p.h. and 55 m.p.h. were registered at the Lizard, St. Mary's, Scilly and Pendennis Castle respectively on the 8th and among the highest speeds recorded in gusts were 87 m.p.h. at the Lizard on the 8th and at Stornoway on the 30th and 82 m.p.h. at Pendennis Castle on the 8th and at Lympne on the 9th.

Temperature.—Mean temperature was somewhat variable but differed little from the average for the country generally. The period 1st–17th was rather mild on the whole, and a return to milder conditions occurred on the 29th. A rather cold spell was experienced from the 20th–27th (particularly from the 22nd–25th), though some high maxima were recorded locally in north-east Scotland on the 21st. Persistent fog was responsible for low day temperatures in some areas; for instance, temperature remained below 32°F. all day locally in England on the 22nd, 23rd and 24th. Minima of 20°F. or below were registered at a number of places in Great Britain on the 23rd and 24th, and 20°F. was recorded locally in Ireland on the 21st and 22nd.

The extremes for the month were:—(England and Wales) 60°F. at Cannington and Killerton on the 17th, 17°F. at Houghall on the 23rd; (Scotland) 58°F. at Craibstone on the 21st, 16°F. at Braemar on the 23rd; (Ireland) 59°F. at Donaghadee on the 6th and 20°F. at Hazelhatch on the 21st and at Phoenix Park, Dublin, on the 22nd.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 107, the values for the constituent countries being England and Wales 121, Scotland 81 and Ireland 104.

In England and Wales the excess was general except in small, rather isolated areas. Over the whole of Scotland northward of the Firth of Forth less than the average occurred; at a few places in the north-east and north less than 50 per cent was received. Totals were more variable in the south of Scotland, where a number of stations had more than the average. In Ireland, broadly speaking more than the average occurred in the north and west and less than the average in the south-east.

Among heavy falls in 24 hours may be mentioned:—

7th. 71 mm. at Borrowdale (Cumberland), 60 mm. at Belleek (Co. Fermanagh) and 45 mm. at Auchencairn (Kirkcubright).

11th. 55 mm. at Emsworth (Sussex) and at Ryde, Isle of Wight, 51 mm. at Compton (Sussex) and 47 mm. at Newport, Isle of Wight.

15th. 48 mm. at Lake Vyrnwy (Montgomery).

Thunderstorms occurred locally at times mainly on the 4th, 5th, 8th, 9th and 11th and hail was reported fairly frequently between the 4th and 15th and on the 30th.

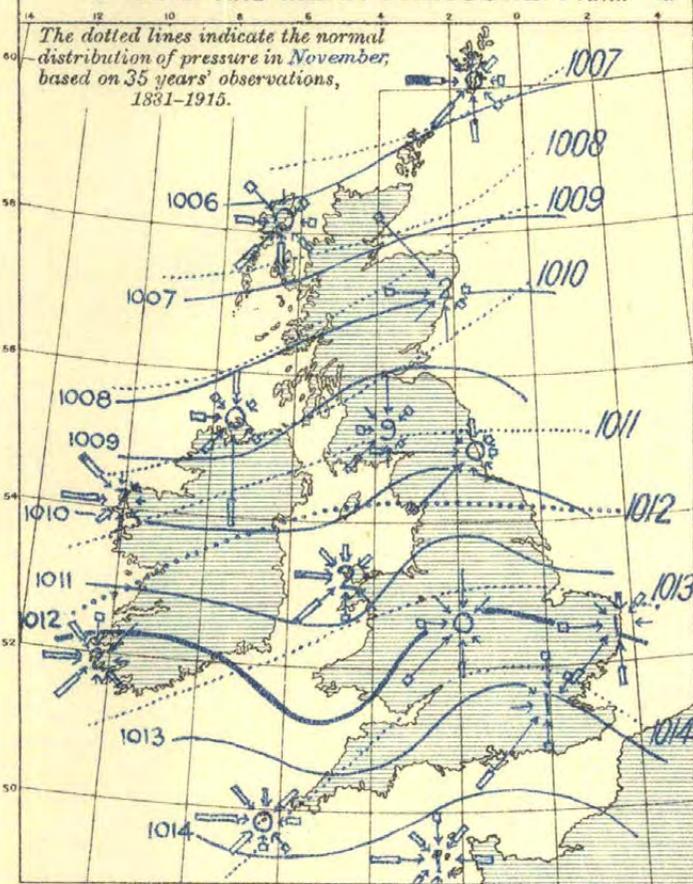
Snow or sleet was reported locally on high ground in Scotland on seven days between the 4th and 16th and again on the 29th and 30th; it was recorded locally in northern England on the 5th, 8th, 9th, 10th, 15th and 29th.

Sunshine.—Sunshine was rather variable but deficient on the whole, the percentage of the average for districts 1–10 being only 85 (See Table I). At Eastbourne, it was the dullest November since 1888, at Aldergrove the dullest since records were first taken in 1927 and at Stornoway and Cardross the dullest November of the century. On the other hand, locally on the east coast of Scotland and in the extreme north of Scotland there was an excess; for example, at Montrose it was the sunniest November since 1925.

Fog.—Fog occurred frequently; it was recorded at the morning observation hour on 16 days at Glasgow, 15 days at Pontefract, 14 days at Nottingham and 13 days at West Linton and Manchester (Whitworth Park). The widespread, persistent and often dense fogs which occurred between the 19th and 28th were a notable feature of the weather of the month. (See Meteorological Magazine, Dec. 1936, pp. 252–6).

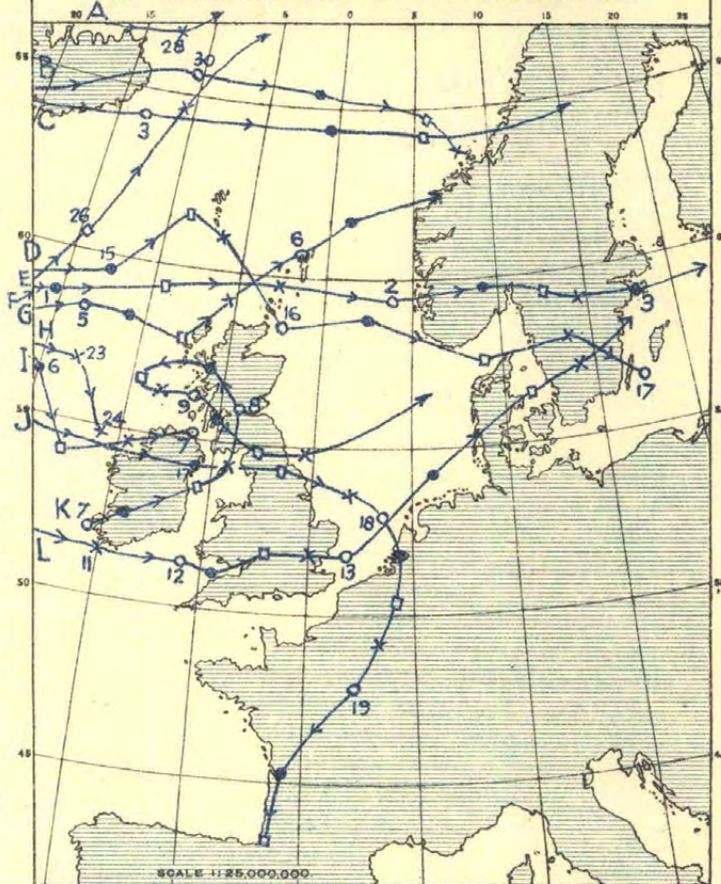
Miscellaneous Phenomena.—The aurora was observed in Edinburgh on the 3rd and at places further north in Scotland on eight other days. Solar halos were noted at Oxford on 13 days. A waterspout was seen eastward of the station at the Scilly Isles at 8.30 a.m. on the 10th, travelling rapidly south-east.

1. WIND AND MEAN PRESSURE. 7 A.M. *



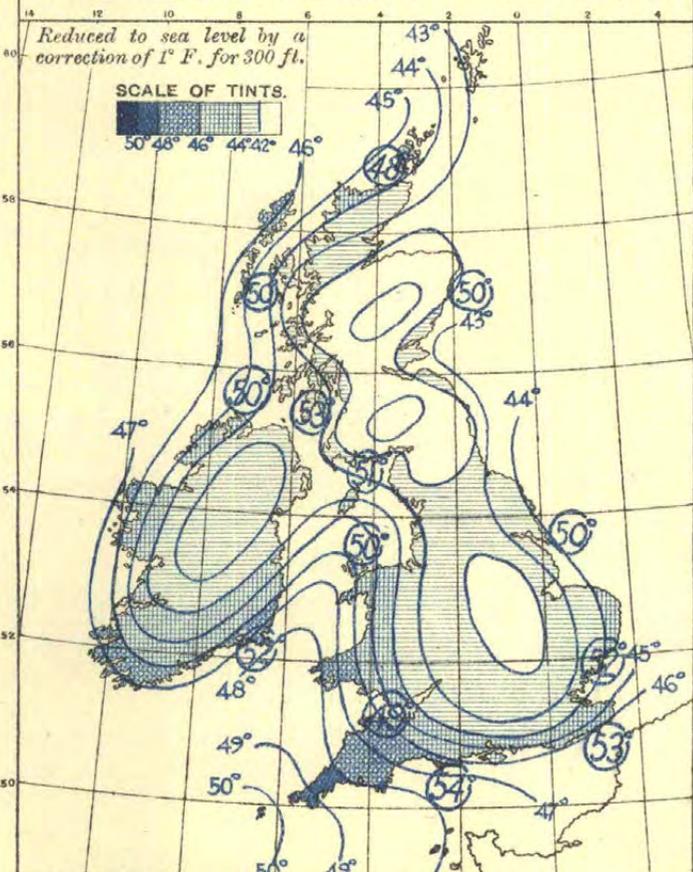
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT MODERATE GALE
 TO STRONG
 30 Obs. = 1 inch *

2. MOVEMENTS OF DEPRESSIONS.



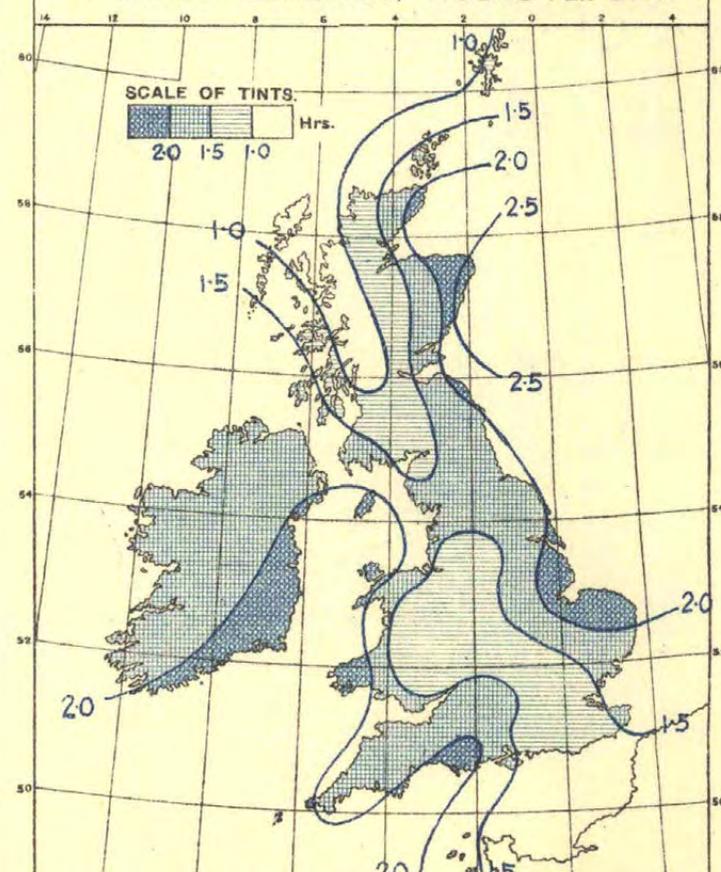
Positions of centres are shown thus: O at 1hr; ● at 7h; □ at 13h; X at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

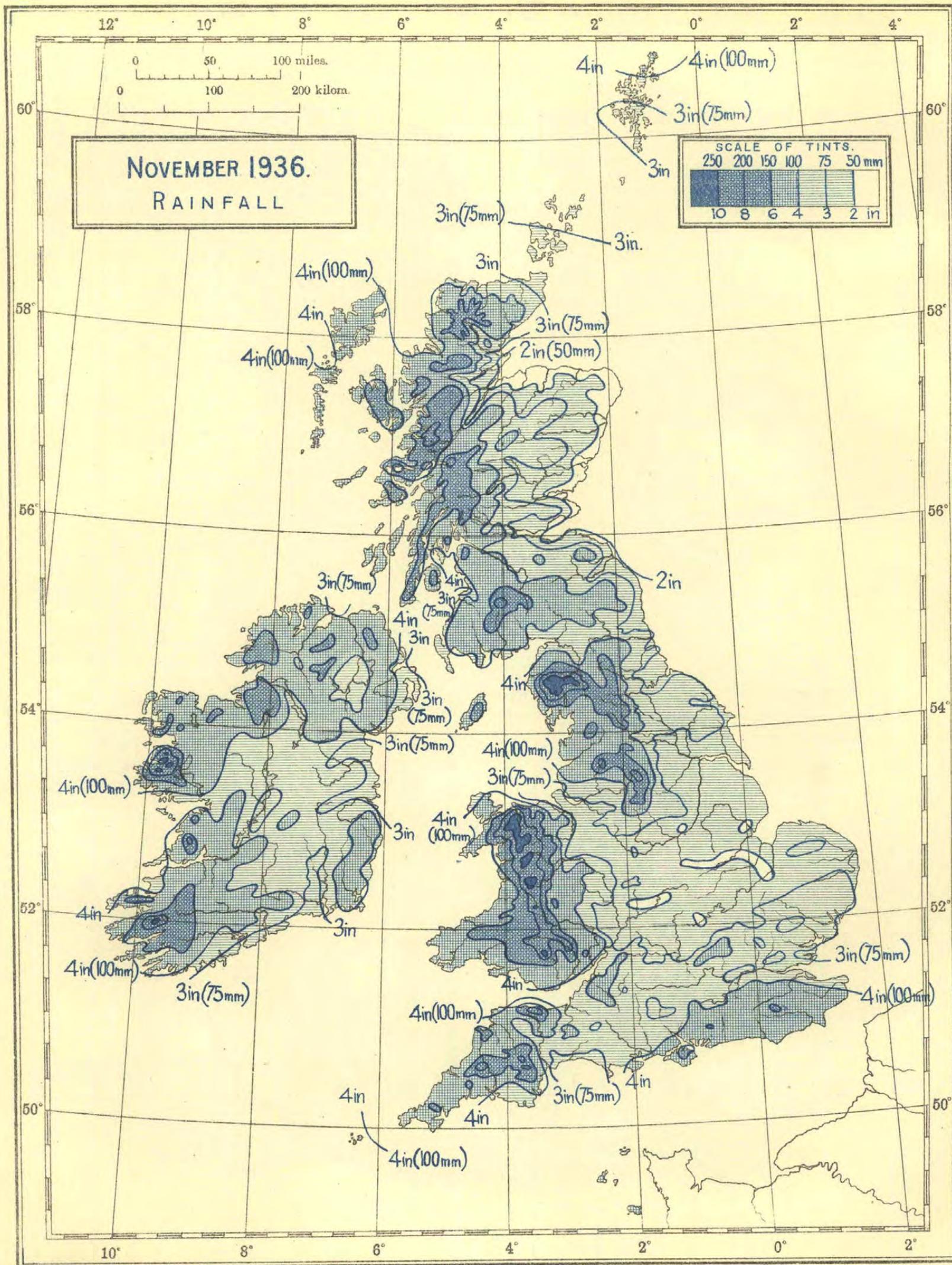


Sea temperatures are shown in large figures, thus: 50°

4. BRIGHT SUNSHINE, HOURS PER DAY.



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 484/3195. No. 224 D.17. Op. 808 925. 12/36.

The equivalent values in mm. are given in round numbers. The exact relation is 10 in = 254 mm. 1 mm.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE					
			Means of		Difference from Average		Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.				
			A	B	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date								22. in. or more	1 mm. or more		22. in. or more	1 mm. or more	hr.	Difference from Average
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
0. SCOTLAND, N.																														
Shetland.																														
Baltasound	9 9 9	31	47.4	38.1	42.7	+2.0	52	20	30	28	43.9	4.38	111	- 9	17	28	29	21	0	0	4	2	0	0	0	0	2	1.06	+0.27	14
Lerwick	18-7 7	156	47.7	42.0	44.9	+2.6	53	20,21	35	13	-	2.89	73	-28	16	28	21	18	0	0	2	0	0	0	0	0	6	0.91	-0.30	12
Orkney.																														
Deerness	2121 9	160	47.3	40.3	43.8	+1.1	51	29	35	28	-	2.98	76	-24	11	28	20	15	1	0	1	1	0	0	0	0	0	1.89	+0.60	25
Kirkwall	9 9 9	113	47.4	39.1	43.3	+0.6	52	29	34	28	44.3	3.31	84	-20	15	28	19	16	1	0	2	0	0	0	0	8	1.99	+0.57	26	
Hebrides.																														
Skallary	101010	30	49.7	43.1	46.4	-	54	1	36	28	-	4.02	102	-	10	13,15	26	22	0	0	1	0	0	0	0	0	0	0	0	0
Stornoway (C.G.)	18-7 7	80	48.3	42.3	45.3	+2.8	53	1	36	9,28	-	4.36	111	-	12	4	23	19	0	0	3	1	0	0	0	6	0.84	-0.67	11	
Stornoway	- 9 9	30	-	-	-	-	-	-	-	-	-	4.53	115	-33	11	7	24	20	0	0	-	-	-	-	-	-	-	-	-	-
Skye.																														
Duntulm	9 9 9	294	47.8	40.8	44.3	-	52	1	34	14	-	4.12	105	-	12	13,14	21	18	0	0	2	3	1	3	6	1.01	-	-	13	
Caithness.																														
Wick	18-7 7	81	47.3	38.8	43.1	+0.9	53	29	30	10,24	-	2.65	67	-13	23	30	17	14	0	0	2	0	0	0	0	0	5	-	-	-
Ross & Cromarty.																														
Achnashellach	9 9 9	225	47.0	35.6	41.3	-	55	8	28	23	-	4.51	115	-117	21	14	16	12	1	0	1	0	0	0	0	0	-	-	-	-
Fortrose	9 9 9	69	46.8	37.2	42.0	+0.2	56	29	30	23	-	1.80	46	-	8	7	14	13	0	0	1	0	0	0	0	1	1.44	-0.43	18	
Inverness.																														
Dalwhinnie	18-7 7	1176	42.4	32.5	37.5	-	52	29	20	23	-	3.81	97	-	23	15	19	14	2	0	0	0	0	22	0	1.15	-	-	148	
Ft. Augustus	9 9 9	68	45.9	33.8	39.9	-1.3	54	29	24	23	-	2.76	70	-46	10	7	17	13	0	0	0	0	2	0	0	0	1.01	-	-	138
Ft. William	9 9 9	34	47.2	37.0	42.1	+0.2	53	1	27	23,24	42.5	47.6	5.49	139	-65	23	14	18	16	0	0	0	0	1	7	0	0.69	-	98	
Inverness	9 9 9	242	46.0	36.7	41.3	-0.8	55	29	29	23	-	1.98	50	-14	8	15	15	11	0	0	2	0	0	8	0	1.92	+0.14	24		
1. SCOTLAND, E.																														
Nairn.																														
Nairn	9 9 9	20	47.4	35.4	41.4	-0.7	56	29	26	23,24	-	1.47	37	-23	6	7	16	10	0	0	0	0	0	0	0	0	1.81	-0.02	23	
Moray.																														
Forres	9 9 9	155	46.6	35.9	41.3	-	56	2	26	23	-	1.11	28	-	6	30	17	11	0	0	0	0	0	0	0	1	2.10	-	-	26
Gordon Castle	2121 9	104	47.5	35.4	41.5	-0.2	56	21	26	23	-	1.65	42	-31	10	7	16	11	0	0	0	0	0	0	0	0	1.87	+0.07	238	
Banff.																														
Banff	9 9 9	130	46.3	36.7	41.5	-0.6	53	29	27	24	-	1.56	40	-27	8	7	17	15	0	0	1	0	0	9	1	2.13	+0.26	27		
Aberdeen.																														
Aberdeen	242424	79	46.7	36.4	41.5	-0.4	55	30	26	24	41.7	46.1	1.36	35	-40	12	7	15	9	0	0	2	0	1	14	0	2.07	+0.07	26	
Balmoral.																														
Balmoral	9 9 9	927	44.1	30.3	37.2	-0.5	55	29	18	23,24	-	2.74	70	-24	15	7	18	10	1	0	0	0	0	0	0	0	0	-	-	-
Braemar.																														
Braemar	2121 9	1111	44.0	31.0	37.5	0.0	53	21,29,30	16	23	-	2.98	76	-22	17	15	15	11	2	0	0	0	0	14	1	1.17	-	-	148	
Craibstone.																														
Craibstone	9 9 9	300	47.0	35.3	41.1	-	58	21	26	24	42.6	45.7	2.09	53	-28	13	7	13	10	2	0	1	0	0	0	0	0	2.52	-	31
Logie Coldstone.																														
Logie Coldstone	9 9 9	608	45.0	31.3	38.1	-0.8	57	21	19	24	-	2.35	60	-18	11	6	14	12	1	0	0	0	0	0	0	0	-	-	-	-
Balmakewan.																														
Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stonehaven.																														
Stonehaven	9 9 9	12	48.5	34.5	41.5	-	56	29	24	24	-	1.65	42	-	7	17	16	12	0	0	0	0	0	0	0	0	0	2.60	-	32
Angus.																														
Arbroath	2121 9	93	47.9	34.9	41.4	-0.6	54	3,30	25	24	-	1.68	43	-19	14	16	13	8	0	0	0	0	0	22	0	2.72	-	-	33	
Carnoustie.																														
Carnoustie	9 9 9	39	46.9	36.0	41.5	-0.8	54	29	27	24	-	1.61	41	-24	11	16	15	8	0	0	0	0	0	0	0	0	0	2.32	-0.26	288
Dundee.																														
Dundee	9 9 9	147	46.4	36.7	41.5	+0.4	55	3,29	28	24	39.8	-	1.66	42	-17	10	7	16	8	0	0	0	0	0	0	0	2.21	-0.20	27	
Kettins.																														
Kettins	9 9 9	218	45.1	32.5	38.8	-0.7	54	3,29	25	11	39.4	-	1.98	50	-29	19	7	16	7	0	0	0	0	2	21	3	-	-	-	
Montrose.																														
Montrose	9 9 9	16	47.0	36.0	41.5	-0.7	54	3,29	37	24	-	1.05	27	-	8	16	13</													

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days						BRIGHT SUNSHINE								
			Means of				Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day							
			A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date						0.2 mm. or more	1 mm. or more							mm.	mm.	mm.	mm.	hr.	hr.	Per Cent.	
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	Difference from Average	Per Cent.			
6b. ISLE OF MAN.																															
Isle of Man.	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Douglas	9 9 9	284	48.8	40.4	44.6	-0.3	53	2,16,29	35	20,21,28	-	6.13	156	+36	36	7	21	19	0	0	0	0	0	0	9	0	2.21	0.00	26		
Point of Ayre	18-7 7	30	49.6	41.8	45.7	-	55	4	34	20,21	-	4.33	110	-	24	7	19	17	0	0	0	0	1	0	1	2.14	-	25			
2. ENGLAND, N.E.																															
Northumberland.																															
Berwick-on-T.	9 9 9	76	46.4	37.0	41.7	-	54	29	26	24	-	2.47	63	8	21	17	14	9	0	0	2	0	0	8	-	2.51	-	30			
Bellingham	9 9 9	849	44.4	33.9	39.1	+0.2	50	3,22,29	24	24	-	3.17	80	-7	15	11	18	13	2	0	1	0	2	-	-	-	-	-			
Cockle Park	2121 9	325	47.2	35.0	41.1	-0.1	53	29,30	26	23,24	40.0	2.99	76	+10	25	17	15	9	0	0	0	0	0	11	0	2.33	-0.02	28			
Tynemouth	18-7 7	108	47.4	40.0	43.7	+0.4	55	4	27	24	-	2.78	71	+17	19	17	16	12	0	0	0	2	6	0	1.84	-	22				
Durham.																															
Chopwellwood	9 9 9	446	47.6	35.8	41.7	+1.0	54	3,4	26	24	-	3.59	91	+26	24	11	13	10	0	0	0	0	0	12	-	2.31	+0.06	28			
Durham	2121 9	336	47.5	35.1	41.3	+0.1	55	4,30	22	24	-	2.44	62	+4	15	11	16	8	0	0	1	0	7	13	1	2.07	-0.02	25			
Houghall	9 9 9	160	48.2	32.9	40.5	-	57	3	17	23	-	3.17	81	-	16	11	10	10	0	0	0	0	4	19	0	1.95	-	23			
Ushaw College	9 9 9	594	46.7	35.7	41.2	+0.3	53	4	25	24	-	3.13	79	+14	18	11	18	12	0	0	0	0	13	-	-	-	-				
Yorks., N. Riding.																															
Ampleforth	9 9 9	313	48.2	36.3	42.3	+0.8	54	1	21	23,25	-	3.13	79	-	21	11	18	13	0	0	0	0	9	18	-	1.71	-	20			
Castleton	9 9 9	450	47.2	32.8	40.0	-	54	22,29	19	23,24	41.9	3.84	97	-	21	12	22	18	0	0	0	0	3	18	-	-	-				
Catterick	18-7 7	175	46.7	35.4	41.1	-	54	3,30	18	23	-	2.12	54	-	15	11	16	12	0	0	0	0	4	14	0	1.91	-	23			
Scarborough	9 9 9	118	49.0	38.4	43.7	-0.6	57	3	25	25	48.0	2.46	62	-1	9	16	18	15	0	0	0	0	6	10	2	2.08	+0.09	25			
York	2121 9	57	47.2	37.0	42.1	-0.4	55	3,4	23	23	44.8	49.8	2.89	73	+20	15	11	19	14	0	0	0	0	0	0	1.51	-0.14	188			
Yorks., E. Riding.																															
Hull	2121 9	8	47.8	38.6	43.2	+0.5	55	3	28	23	43.4	49.2	2.00	51	-5	8	16	14	0	0	0	0	9	10	-	1.33	-	16			
Spurn Head	18-7 7	29	48.3	40.2	44.3	+0.4	54	4	30	25	-	2.59	66	+12	13	15	20	14	0	0	0	0	4	-	4	1.93	-0.36	23			
Lincoln.																															
Cranwell	18-7 7	240	46.9	36.9	41.9	+0.4	56	17	26	22	42.2	48.0	2.19	56	+9	11	16	19	13	0	0	0	5	11	0	2.08	-0.37	24			
Cleethorpes	9 9 9	23	48.5	36.8	42.7	-	56	17	27	22	-	2.42	61	-	12	15	18	11	0	0	0	0	6	9	-	2.14	-	25			
Skegness	9 9 9	15	48.2	37.5	42.9	-0.3	56	17	29	25,26	-	2.32	49	+4	10	16	20	11	0	0	0	0	4	5	-	2.15	-0.17	25			
3. ENGLAND, E.																															
Norfolk.																															
Cromer	9 9 9	178	49.0	39.4	44.2	+0.1	55	4,17	32	29	-	2.59	66	+6	11	16	21	14	0	0	0	0	0	2	1	2.03	-0.27	23			
Hunstanton	9 9 9	105	48.5	38.3	43.4	-	55	17	32	25,26	-	2.64	67	-	10	12	20	14	0	0	0	0	2	-	-	2.43	-	28			
Norwich	9 9 9	110	48.8	36.6	42.7	0.0	55	17	27	22	43.1	-	2.82	72	-	11	17	21	15	0	0	0	0	17	-	1.75	-0.49	20			
Sproston	9 9 9	93	49.6	36.9	43.3	-	57	18	26	22	-	2.88	73	-	11	16	18	15	0	0	1	1	3	21	-	1.68	-	198			
Terrington	9 9 9	13	48.8	36.3	42.5	-	57	17	29	22,23	-	2.14	54	-	14	17	19	11	0	0	0	0	7	12	-	2.11	-	24			
Thetford	9 9 9	99	48.8	34.2	41.5	-	55	17	22	23	43.2	48.0	2.69	68	-	14	17	19	14	0	0	0	0	6	15	-	1.86	-	21		
(Lynford Nursery)																															
Yarmouth	18-7 7	5	49.0	40.5	44.7	+0.6	55	4,17	32	29	46.8	51.4	2.52	64	+3	9	12,17	17	14	0	0	0	0	0	2	1	1.94	-0.39	22		
Suffolk.																															
Bungay (Flix'n)	9 9 9	79	48.2	37.1	42.7	+0.4	54	16,17	26	23	-	3.18	81	-	17	11	14	13	0	0	0	0	5	6	-	-	-				
Copdock	9 9 9	164	48.4	37.0	42.7	+0.2	55	4,17	31	21,25,29	44.2	49.2	3.19	81	-	18	11	18	15	0	0	0	0	7	10	-	1.62	-0.69	18		
Felixstowe	9 9 9	72	48.5	39.2	43.9	-	55	17	32	29	-	2.91	74	-	14	11	16	13	0	0	0	0	1	-	-	1.67	-	19			
Hartest	9 9 9	250	47.8	35.6	41.7	-	55	4	29	23,29	-	3.13	79	-	14	12	18	15	0	0	0	0	6	15	-	1.90	-	22			
Lowestoft	9 9 9	82	49.2	38.9	44.1	-0.2	55	16,17	31	29	45.2	49.0	2.70	69	+9	14	12	18	13	0	0	1	0	1	10	2	1.91	-0.46	22		
Mildenhall	18-7 7	19	47.5	37.4	42.5	-	56	17	25	23	-	2.28	58	-	15	16	18	10	0	0	0	0	7	6	1	1.76	-	20			
Cambridge.																															
Cambridge (Bot. Gdns.)	2121 9	41	47.8	36.1	41.9	-0.6	56	17	26	23	44.9	50.0	2.13	54	+5	13	16	13	9	0	0	0	0	6	15	0	1.33	-0.77	15		
(Univ. Farm)	9 9 9	78	47.9	35.8	41.9	-	56	17	26	22	-	2.43	62	-	13	16	18	12	0	0	0	0	8	12	0	1.69	-	19			
Bedford.																															
Luton	9 9 9	381	47.7	35.4	41.5	-0.1	58	13	28	21,23,29	45.0	51.1	2.65	67	-	17	12	13	11	0	0	0	0	10	14	-	1.45	-0.65	16		
Woburn	9 9 9	291	47.0	34.7	40.9	-1.0	55	16,17	26	21,29	43.3	49.5	2.14	54	-3	9	16	17	13	0	0	0	0	6	12	-	1.48	-0.62	17		
Hertford.																															
Rickmansworth	9 9 9	192	49.1	30.2	39.7	-	56	1,4,17	20	11	43.1	49.1	4.12	105	-	27	11	19	14	0	0	0	2	14	26	0	1.78	-	208		
Rothamsted	9 9 9	420	46.3	34.6	40.5	-1.2	54	17	27	25,29	43.4	-	3.63	92	+27	21	11	17	12	0	0	0	1	7	14	1	1.54	-0.72	18		
St. Albans	9 9 9	272	47.7	34.4	41.1	-	55	17	25	29	44.0	-	3.50	89	+28	19	11	19	14	0	0	0	0	6	13	-	-	-			
Essex.																															
Clacton-on-S.	9 9 9	53	48.6	40.1	44.3	+0.4	53	2,16,17	31	29	46.0	50.3	3.43	87	+36	14	11	16	13	0	0	0	0	5	-	1.48	-0.92	17			
Chelmsford	9 9 9	134	48.5	36.6	42.5	+0.2	56	17	28	23	-	3.06	78	+21	18	11	17	14	0	0	0	1	-	-	-	-	-				
Chelmsford (Agr. St.)	9 9 9	193	48.8	36.8	42.8	-	55	16	28	23	-	3.12	79	-	23	11	15	13	0	0	0	0	-	10	-	1.45	-	16			
Earls Colne	9 9 9	168	48.4	35.5	41.9	-	55	17	27	22	-																				

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE											
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Hours per day		Per Cent.											
			A	B		Maximum	Date	Minimum					Date	Amount							Date	0.2 mm. or more		1 mm. or more	Daily Mean	Difference from Average								
			Max.	Min.	Mean of A and B	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	hr.	%									
8b. ENGLAND, S.W.—cont.																																		
Dorset.	Holton Heath	64	49.6	36.8	43.2	-1.2	57	9	26	29	46.1	50.9	3.50	89	-	29	11	16	13	0	0	2	2	2	10	0	1.71	-0.69	19					
	Portland Bill	18-7	7	32	50.5	44.3	47.4	-0.9	56	9,11,17	31	25	-	-	-	3.49	89	+18	19	11	16	14	0	0	1	1	-	-	-					
	Shaftesbury	9	9	9	722	46.3	36.6	41.5	-1.0	54	17	27	24,25	-	-	3.02	77	-5	14	11	18	17	0	0	0	0	-	-	-					
Devon.	Arlington	9	9	9	613	49.6	38.1	43.9	+0.3	54	2,11,16	29	29	-	-	7.65	194	+48	39	16	19	17	0	0	6	2	-	-	-					
	Cullompton	9	9	9	202	49.6	36.8	43.2	-0.4	58	17	26	29	46.5	-	3.71	94	+7	16	7	16	16	0	0	0	0	7	15	-1.61	-0.77	18			
	Ilfracombe	9	9	9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Killerton	9	9	9	159	50.6	37.4	44.0	+0.2	60	17	26	29	-	-	3.03	77	-	13	11	19	14	-	-	-	-	-	-	-					
	Moretonhampstead	9	9	9	798	47.9	38.4	43.1	-	57	17	30	29	45.2	49.4	4.72	120	-	29	8	16	14	0	0	2	0	2	9	1	1.83	-	20		
	Newton Abbot	9	9	9	375	50.0	39.2	44.6	-	57	16,17	32	29	-	-	3.26	83	-9	21	11	16	11	0	0	3	1	6	-	-	1.72	-	19		
	Paignton	9	9	9	12	51.3	40.5	45.9	-0.4	57	11,16,17	31	28,29	-	-	4.05	103	-	27	11	17	14	0	0	3	1	0	5	-	-	1.65	-0.89	18	
	Plymouth (Hoe)	2121	9	117	51.1	41.6	46.3	-0.2	56	3,9,17	32	29	47.4	51.9	3.33	85	-8	15	6	18	15	0	0	1	0	2	7	6	2.09	-0.48	23			
	Plymouth (Mount Batten)	18-7	7	82	51.1	42.9	47.0	-0.2	56	2	32	29	-	-	2.94	75	-	20	11	17	14	0	0	1	0	3	6	1.90	-0.65	21				
	Princetown	9	9	9	1430	46.6	35.7	41.1	-0.4	52	17	24	24	-	-	7.55	192	-32	34	11	20	18	0	0	0	15	13	-	-	-				
	Sidmouth	9	9	9	25	51.5	39.9	45.7	+0.3	58	16,17	31	28,29	-	-	2.61	66	-	17	11	15	13	0	0	1	0	3	-	-	2.23	-	25		
	Tavistock	9	9	9	457	50.0	39.0	44.5	+0.2	55	2,16,17	29	23	-	-	4.98	3.96	101	-27	19	11	21	16	0	0	2	0	3	15	4	-	-		
	Teignmouth	9	9	9	20	51.6	41.5	46.5	-0.2	58	11,16,17	32	29	-	-	2.75	70	-11	21	11	15	12	0	0	0	0	-	-	-	1.93	-0.65	22		
	Torquay	9	9	9	27	51.6	40.7	46.1	-1.2	58	17	31	29	-	-	5.18	3.40	86	-	24	11	17	13	0	0	2	1	0	3	0	1.94	-0.74	22	
Cornwall.	Falmouth Obs.	9	9	9	167	52.0	43.6	47.8	+0.5	57	2	35	29	48.1	53.2	5.86	149	+27	23	6	18	17	0	0	0	3	1	0	1	-	-	1.84	-0.78	20
	Fowey	9	9	9	51	53.1	42.2	47.7	+0.8	57	2,9,30	33	29	-	-	4.32	110	-	18	11	19	18	0	0	0	0	-	-	-	-	2.05	-0.48	23	
	Gulval	9	9	9	20	52.8	43.2	48.0	-	58	2	35	29	-	-	5.03	128	-	23	11	18	15	0	0	2	0	-	-	-	-	2.14	-	24	
	The Lizard	18-7	7	240	51.4	45.1	48.3	-	56	2,4,11	39	19,29	-	-	4.44	113	-	28	6	21	17	0	0	4	1	0	-	-	-	-	-			
	Newquay	9	9	9	190	51.4	43.3	47.3	0.0	56	2,11	31	27	48.7	52.8	4.27	109	+17	17	15	18	17	0	0	3	2	1	-	-	-	2.07	-0.47	23	
	Redruth	9	9	9	397	50.4	41.4	45.9	+0.2	55	1,2,17	33	27	-	-	5.33	135	+11	23	6	18	18	0	0	2	1	1	7	4	-	-	-		
9. IRELAND, N.																																		
Sligo.	Markree Cas.	2121	9	122	48.8	36.2	42.5	-0.5	55	1	25	22	46.4	50.6	4.69	119	+13	16	7	23	18	0	0	2	0	0	-	-	-	-	1.68	-0.13	20	
Mayo.	Blacksod Pt.	18-7	7	18	50.9	43.5	47.2	-	55	1,2	35	8	-	-	5.03	128	-4	22	11	23	21	0	0	0	1	0	-	-	-	-	5	-	-	
	Mallarany	9	9	9	113	51.0	41.0	46.0	+0.7	58	2	31	21	-	-	7.01	178	-	27	7	26	22	-	-	-	-	-	-	-	-	-	1.76	-0.03	21
Donegal.	Malin Head	18-7	7	84	48.7	41.4	45.1	+0.1	54	1,28	35	13,22,27	-	-	5.82	148	+65	24	6	20	19	0	0	1	0	0	-	-	-	-	2	1.77	+0.03	21.8
Antrim.	Aldergrove	18-7	7	238	46.4	36.7	41.5	-	53	3,29	27	20,22	-	-	3.20	81	-1	20	11	22	16	0	0	1	0	4	9	0	-	-	-	1.52	-	18
Down.	†Donaghadee	8	8	8	40	49.4	37.2	43.3	-1.6	59	6	30	22	-	-	3.06	78	+1	26	6	23	14	-	-	-	-	-	-	-	-	-	2.12	-	25
	Hillsborough	9	9	9	388	46.6	35.8	41.2	-	52	2,16,29	27	22	44.6	-	4.14	105	-	31	11	21	16	0	0	0	0	2	12	2	-	-	1.93	-	23
Armagh.	Armagh	2121	9	204	46.5	35.5	41.0	-1.9	53	1,29,30	24	22	43.6	48.4	3.76	95	+23	26	11	21	13	0	0	0	0	5	10	0	-	-	-	1.64	-0.42	19
Longford.	Newtownforbes	2121	9	154	47.8	34.1	40.9	-1.8	55	1,2,17	24	22	43.3	49.3	3.81	97	+6	21	11	19	17	0	0	0	0	-	-	-	-	-	-	-		
10. IRELAND, S.																																		
Dublin.	Balbriggan	9	9	9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Dublin City	2121	9	54	48.4	39.0	43.7	-1.2	56	17	27	22	-	-	2.28	58	-10	22	11	15	12	0	0	0	0	7	6	0	-	-	-	-	-	
	" Glasnevin	2121	9	55	49.4	35.3	42.3	-1.7	57	2	22	22	-	-	2.75	70	+1	24	11	18	9	0	0	0	0	9	16	0	-	-	-	-	-	
	" Phoenix Pk.	2121	9	155	48.6	35.3	41.9	-1.4	56	7	20	22	-	-	2.32	59	-13	15	11	18	10	0	0	2	0	5	14	-	-	-	-	2.32	-0.01	27
	" Trin. Coll.	2121	9	13	48.9	39.2	44.1	-1.2	56	16,17	27	21,22	45.4	49.4	2.41	61	-5	23	11	18	11	0	0	0	0	-	-	-	-	-	-	-	-	
	Hazelhatch	9	9	9	366	49.1	34.1	41.6	-	56	16,17	20	21	46.1	48.2	2.17	55	-	10	16	17	12	-	-	-	-	-	-	-	-	-	2.10	-	24
	(Peamount San.)																																	
	Rathfarnham	9	9	9	169	48.7	37.4	43.1	-	55	1	26	21,22	45.1	-	2.51	64	-	21	11	15	10	0	0	0	0	3	13	-	-	-	2.47	-	29
Wicklow.	Newcastle	2121	9	256	50.0	39.3	44.7	+0.2	56	17	33	11	-	-	3.44	87	-	43	11	17	11	0	0	0	0	-	-	-	-	-	-	-	-	
Offaly.	Birr Castle	18-7	7	173	48.0	36.6	42.3	-1.0	56	1,16	25	21,25	46.1	50.5	3.07	78	-1	15	11	19	14	0	0	1	0	1	17	0	-	-	-	1.71	-0.31	20
Waterford.	Seskin, Carrick-on-Suir	2121	9	535	47.8	38.2	43.0	-0.4	54	1,16,17	32	27	-	-	3.02	77	-	18	11	22	13	0	0	0	0	1	15	7	2.18	-0.19	25			
	Waterford	9	9	9	137	50.2	38.6	44.4	-0.3	56	2	31	20	-	-	2.9																		

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																						
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION																		
										0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Med. Vis.	GOOD VISIBILITY	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.											
															0	1	2	3																	4	5	6	7	8	9					
0. SCOTLAND, N.																																													
Shetlands. Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																					
	1	160	1006.0	-	45.0	2.2	8.4	83	7.2	0	2	8	15	5	0	0	0	0	0	0	0	0	0	0	3	7	20	0	2	16	9	3	4	2	0	3	3	9	2	4	4				
	7	160	1005.8	-0.9	44.6	2.2	8.4	83	7.7	0	1	7	20	2	0	0	0	0	0	0	0	0	0	1	2	5	22	0	2	13	14	0	2	2	2	2	2	3	3	5	5	8	5	5	4
	13	160	1005.7	-	45.7	2.5	8.5	81	8.0	0	1	2	23	4	0	0	0	0	0	0	0	0	0	4	8	18	0	4	13	12	1	1	3	1	3	5	5	8	8	8	3	3	3	3	
18	160	1005.8	-	44.6	2.3	8.3	81	7.7	0	2	6	15	7	0	0	0	0	0	0	0	0	0	2	8	20	0	2	13	15	0	2	3	1	3	1	3	4	7	7	7	7	3	3		
Orkneys. Deerness ..	9	165	1006.8	-	43.9	2.0	8.2	84	6.1	0	7	9	13	1	0	0	0	0	0	0	0	0	1	5	21	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21	165	1006.0	-	44.2	1.9	8.3	85	6.0	1	5	9	11	4	0	0	0	0	0	0	0	0	0	0	30	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrides. Stornoway ..	1	83	1006.9	-	44.5	2.1	8.4	83	6.5	0	4	9	14	3	0	0	0	0	0	0	0	0	1	9	20	0	0	17	13	0	2	3	3	3	3	4	9	2	4	4	4	4			
	7	83	1006.2	-1.1	44.4	1.9	8.3	85	7.5	0	2	5	19	4	0	0	0	0	0	0	0	0	2	6	19	3	0	15	15	0	2	2	2	2	3	5	7	5	4	4	4	4			
	13	83	1006.2	-	46.5	2.2	9.1	83	8.7	0	1	0	23	6	0	0	0	0	0	0	0	1	2	6	10	11	0	22	8	0	3	2	3	2	4	11	3	2	2	2	2				
18	83	1006.1	-	45.1	1.8	8.6	85	7.7	0	4	4	12	10	0	0	0	0	0	0	0	0	3	12	14	1	1	18	11	0	3	1	3	2	5	9	3	4	4	4	4					
Caithness. Wick ..	1	79	1006.9	-	42.9	1.8	8.0	85	7.3	1	3	2	17	7	0	0	0	0	0	0	0	0	0	5	25	0	1	12	17	0	2	3	0	2	3	10	6	4	4	4					
	7	79	1006.5	-1.1	42.4	1.2	8.1	90	7.4	1	2	5	11	11	0	0	0	0	0	0	0	0	0	5	25	0	2	11	17	0	1	1	0	2	5	8	7	6	6	6					
	13	79	1006.5	-	45.9	2.4	8.6	81	8.4	0	1	2	14	13	0	0	0	0	0	0	0	0	6	24	0	2	9	19	0	0	2	1	1	7	8	8	3	3	3	3					
	18	79	1006.2	-	43.6	1.7	8.5	86	8.1	1	0	1	18	10	0	0	0	0	0	0	0	1	0	7	22	0	2	8	20	0	1	2	1	2	7	9	7	1	1	1					
Inverness. Dalwhinnie†	7	1180	965.9	-	35.0	1.0	6.2	90	6.9	1	6	3	9	11	0	0	0	0	0	0	0	5	14	11	0	0	6	17	7	4	3	1	0	9	2	4	0	0	0						
	13	1180	965.6	-	41.0	2.1	7.1	81	8.5	0	4	3	1	22	0	0	0	0	0	0	0	0	19	11	0	0	5	20	5	4	2	0	2	6	8	2	1	1	1	1					
	18	1180	965.4	-	38.0	1.5	6.7	86	8.5	0	3	2	5	20	0	0	0	0	0	0	0	4	20	6	0	0	6	16	8	0	3	0	2	12	3	1	1	1	1						
Inverness. Inverness ..	9	250	1008.0	-	41.4	0.5	8.3	95	4.8	0	8	20	2	0	0	0	0	0	0	0	0	6	5	4	15	0	0	25	5	0	2	0	1	3	12	6	1	1	1						
	17	250	1007.4	-	42.9	0.6	8.9	95	5.4	0	6	15	9	0	0	0	0	0	0	0	0	2	3	8	17	0	2	27	1	0	4	0	5	2	14	3	1	1	1						
1. SCOTLAND, E.																																													
Aberdeen. Aberdeen H	7	85	1008.1	-1.5	39.8	1.8	7.0	84	5.5	2	10	3	10	5	0	1	0	0	0	0	12	8	9	0	0	4	24	2	0	0	1	1	5	4	6	11	11	11	11	11					
	13	85	1007.8	-1.9	45.2	3.0	7.8	76	6.9	0	6	3	18	3	0	0	1	4	1	0	11	7	6	0	0	4	23	3	2	0	0	3	4	6	6	6	6	6	6	6					
	18	85	1007.8	-2.1	42.0	2.1	7.5	82	5.7	2	8	6	10	4	0	1	2	2	1	2	15	5	2	0	0	5	20	5	1	0	0	2	6	5	4	7	7	7	7	7					
	21	85	1007.8	-2.1	41.1	1.9	7.3	84	4.5	6	10	2	6	6	0	1	1	4	2	1	10	8	3	0	0	3	26	1	2	0	1	2	4	6	6	8	8	8	8	8					
	h.*	85	1008.0	-1.8	41.8	2.2	7.4	82																																					
Aberdeen. Braemar† ..	9	1108	1009.7	-	36.1	1.5	6.1	85	6.4	4	2	8	5	11	0	0	0	0	0	0	6	23	1	0	0	5	16	9	1	4	0	0	0	9	4	3	3	3							
P Perth. Crieff ..	9	482	1008.4	-	40.0	1.6	7.2	86	7.1	0	5	7	8	10	-	-	-	-	-	-	-	-	-	-	-	1	5	24	0	3	1	4	1	5	4	10	2	2							
21	482	1008.2	-	40.7	1.4	7.7	87	7.1	6	1	3	3	17	-	-	-	-	-	-	-	-	-	-	-	0	8	22	0	4	3	4	0	3	4	10	2	2								
Fife. Inchkeith ..	1	184	1009.2	-	42.8	0.9	8.7	92	6.9	0	7	5	8	10	0	3	0	1	3	0	2	5	16	0	1	10	19	0	2	0	2	2	3	19	0	2	1	1							
	7	184	1009.3	-	42.6	0.8	8.7	93	7.4	0	3	7	12	8	0	3	0	0	4	1	2	4	16	0	0	8	22	0	1	1	2	3	3	18	1	1	1	1							
	13	184	1008.8	-	44.3	1.0	9.0	92	8.0	0	1	3	18	8	0	2	0	4	4	1	2	4	13	0	1	11	18	0	1	2	3	1	0	20	2	1	1	1							
	18	184	1008.7	-	43.8	0.8	9.1	93	7.5	0	3	6	15	6	0	1	1	2	3	0	5	10	8	0	0	9	21	0	2	2	2	2	19	1	0	0	0								
Fife. Leuchars .. H	7	36	1008.7	-	39.0	1.3	7.2	89	6.1	2	8	3	8	9	0	0	1	1	1	0	8	12	7	0	0	5	20	5	2	0	3	1	0	8	9	2	2	2							
	13	36	1008.6	-	44.9	2.6	8.1	80	7.4	0	4	5	16	5	0	0	1	0	2	0	11	5	11	0	0	7	21	2	2	1	0	2	3	10	9	1	1	1							
	18	36	1008.5	-	41.2	1.5	7.7	87	7.1	1	5	3	16	5	0	0	0	1	3	2	11	5	7	1	0	9	20	1	3	0	1	2	1	13	8	1	1	1							
Mid Lothian. Edinburgh (Blackford Hill)	9	441	1009.5	-	41.1	2.2	7.1	81	5.8	2	7	8	6	7	0	4	1	0	2	5	16	2	0	0	0	9	16	5	1	4	0	1	3	7	8	1	1	1							
	21	441	1008.9	-	42.0	1.9	7.6	83	6.2	1	10	3	3	13	0	0	2	1	7	2	17	0	1	0	0	7	20	3	1	0	2	1	2	8	11	2	2	2							
6a. SCOTLAND, W.																																													
Argyll. Tiree ..	7	40	1007.9	-	45.4	2.0	8.5	84	6.8	0	5	5	20	0	0	0	0	0																											

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION									
										0	1 to 3	4 to 6	7 to 9	10	FOG			Mist	POOR VIS.	MOD. VIS.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
										0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ..	9	352	1010.4	-	40.1	1.2	7.5	89	5.9	3	6	6	7	8	0	0	2	5	5	3	8	5	2	0	0	3	22	5	2	1	1	0	8	6	5	2	
	21	352	1010.0	-	40.0	1.1	7.5	89	5.8	11	1	0	4	14	0	0	1	3	4	4	7	10	1	0	0	0	2	24	4	2	2	1	1	8	6	4	2
Yorks., N. Riding. Catterick ..	7	186	1010.4	-	38.3	0.9	7.5	93	7.5	1	3	5	12	9	1	1	0	2	2	6	3	9	5	1	0	2	22	6	3	0	1	2	8	5	1	4	
	13	186	1009.9	-	45.0	2.6	8.2	80	7.7	1	3	4	13	9	0	1	1	1	2	1	10	6	8	0	0	0	6	20	4	3	2	0	3	5	5	4	4
Yorks., N. Riding. Scarborough ..	9	96	1011.0	-	41.2	1.6	7.7	86	7.1	2	5	3	8	12	0	2	1	1	1	5	3	8	9	0	0	0	8	15	7	2	1	0	4	7	2	5	2
	9	96	1011.0	-	43.5	1.8	8.2	86	5.6	0	11	5	10	4	0	4	2	0	3	3	8	6	4	0	0	0	3	27	0	2	1	0	5	3	7	5	3
Yorks., N. Riding. York ..	9	53	1011.7	-	40.4	1.1	7.8	90	6.6	1	8	3	8	10	-	-	-	-	-	-	-	-	-	-	-	0	1	28	1	7	1	0	0	10	5	3	7
	21	53	1011.1	-	41.5	1.4	7.8	88	6.5	7	2	2	6	13	-	-	-	-	-	-	-	-	-	-	-	0	1	28	1	6	1	0	1	12	2	4	3
Yorks., E. Riding. Spurn Head ..	1	28	1010.6	-	42.6	0.7	8.7	93	6.9	2	6	4	5	13	0	0	0	2	3	5	15	3	0	0	1	16	12	1	3	1	1	2	5	9	5	3	
	7	28	1010.6	-1.6	42.3	0.6	8.7	95	7.8	0	5	5	4	16	2	1	0	1	2	8	14	1	0	0	1	17	11	1	2	1	2	1	5	6	6	6	
	13	28	1010.6	-	46.6	1.8	9.4	86	7.7	0	2	6	13	9	0	2	1	0	1	7	15	3	0	0	0	18	11	1	3	2	1	2	2	10	4	5	
	18	28	1010.1	-	44.7	0.9	9.3	92	7.1	1	4	7	6	12	1	3	0	0	1	0	4	17	4	0	0	0	17	12	1	3	2	2	3	4	4	7	6
Lincoln. Cranwell ..	7	243	1011.9	-	39.4	0.8	7.8	93	7.3	1	5	4	8	12	0	4	1	0	4	4	7	7	3	0	0	0	11	16	3	3	1	0	1	4	9	4	5
	13	243	1011.7	-	45.5	2.2	8.8	89	7.8	0	4	4	13	9	0	2	4	1	0	1	12	5	5	0	0	0	12	17	1	4	1	1	3	4	9	4	3
	18	243	1011.6	-	41.9	1.1	8.3	91	6.9	1	7	3	10	9	0	3	1	4	2	1	9	8	2	0	0	0	13	13	4	3	2	2	1	4	7	5	2
3. ENGLAND, E.																																					
Norfolk. Cromer ..	9	74	1011.7	-	45.0	1.5	9.0	88	7.1	1	2	11	5	11	0	0	0	0	2	20	8	0	0	0	1	5	24	0	0	3	4	2	10	5	3	3	
	1	26	1011.8	-	43.2	1.1	8.5	91	6.3	5	6	2	5	12	0	0	0	0	2	4	14	10	0	0	0	0	11	18	1	1	4	0	2	7	8	6	1
Norfolk. Yarmouth ..	7	26	1011.9	-1.2	43.2	1.6	8.1	87	8.2	1	2	2	11	14	0	0	0	0	3	6	11	10	0	0	1	8	20	1	2	3	2	0	6	8	6	2	
	13	26	1012.0	-	47.7	2.8	9.0	79	7.9	1	1	5	11	12	0	0	0	2	0	2	19	7	0	0	1	15	12	2	3	3	2	1	6	6	4	3	
	18	26	1011.8	-	45.6	1.9	9.0	85	7.7	1	2	2	11	14	0	0	0	0	3	6	11	10	0	0	0	13	17	0	2	5	1	1	9	6	4	2	
Suffolk. Felixstowe Aero.	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall	7	21	1012.1	-	40.6	0.8	8.2	93	7.8	0	6	1	7	16	0	2	1	4	7	1	5	4	6	0	0	11	16	3	3	3	0	1	5	7	5	3	
	13	21	1012.1	-	46.6	2.1	8.9	82	7.7	0	5	2	10	13	0	1	0	2	4	3	7	7	6	0	0	15	14	1	4	1	2	1	5	6	5	5	
	18	21	1012.0	-	43.7	1.5	8.6	88	6.9	0	9	2	6	13	0	0	1	4	2	3	9	5	6	0	0	10	19	1	3	4	0	1	5	9	4	3	
Cambridge. Cambridge	9	43	1012.9	-1.4	42.0	0.8	8.6	93	5.8	5	3	2	5	15	-	-	-	-	-	-	-	-	-	-	0	3	25	2	2	7	2	1	1	8	4	3	
	21	43	1012.0	-2.3	42.0	1.0	8.5	92	5.2	13	0	1	4	12	-	-	-	-	-	-	-	-	-	-	0	4	24	2	2	5	1	4	1	10	2	3	
Hertford. Rothamsted ..	9	396	1012.7	-	40.7	0.9	8.1	92	5.2	7	7	1	9	6	1	4	1	1	2	9	12	0	0	0	0	5	19	6	3	2	0	3	5	4	3	4	
Essex. Shoeburyness	7	12	1012.8	-	43.5	1.1	8.9	90	8.0	1	3	3	8	15	0	1	0	1	5	6	9	3	5	0	0	7	23	0	2	2	2	0	3	8	4	9	
	13	12	1012.7	-	47.5	2.4	9.3	82	8.2	2	2	0	10	16	0	0	0	5	5	8	8	4	0	0	0	11	18	1	2	2	1	2	4	9	3	6	
18	12	1012.6	-	45.4	1.7	9.0	86	7.2	1	6	1	9	13	0	0	1	0	5	6	5	7	6	0	0	0	8	18	4	3	1	1	2	2	8	4	5	
4. MIDLAND COUNTIES.																																					
Yorks., W. Riding. Harrogate ..	9	478	1011.6	-	40.4	1.3	7.5	88	6.9	1	7	2	12	8	0	2	2	3	2	10	4	4	2	1	0	3	23	4	3	0	1	1	4	12	4	1	
Nottingham. Nottingham ..	9	215	1011.5	-	41.3	1.5	7.6	86	7.9	2	1	5	4	18	4	5	3	2	5	3	7	1	0	0	0	1	29	0	6	2	1	1	5	2	13	0	
Warwick. Birmingham	7	542	1012.5	-	40.3	0.8	8.0	92	7.5	1	3	5	9	12	0	2	3	2	3	0	8	3	9	0	0	4	26	0	5	3	0	1	5	9	4	3	
	13	542	1011.9	-	44.6	2.2	8.3	82	8.1	0	3	4	9	14	0	4	2	1	6	4	7	2	4	0	0	6	22	2	2	4	3	1	3	7	3	5	
	18	542	1011.9	-	42.9	1.6	8.3	87	6.8	3	5	3	6	13	1	0	1	4	7	3	4	3	7	0	0	9	19	2	3	2	3	3	5	5	4	3	
Oxford. Oxford ..	9	212	1013.5	-1.5	41.2	1.2	7.9	90	7.6	1	5	2	6	16	0	4	1	5	3	0	11	1	5	0	0	9	19	2	2	5	1	1	4	10	3	2	
Shropshire. Shrewsbury	9	186	1012.4	-	41.8	1.1	8.2	91	8.1	0	1	8	6	15	1	5	1	0	2	1	4	0	16	0	0	7	13	10	2	0	0	3	6	2	4	3	
Hereford. Ross-on-Wye	7	226	1012.5	-	40.6	0.9	7.9	89	7.2	0	7	2	8	13	0	3	1	2	2	3	2	7	10	0	0	3	21	6	4	2	1	0	4	10	3	0	
	13	226	1012.0	-	46.1	2.6	8.6	81	8.4	0	2	2	14	12	0	1	1	3	3	0	6	6	10	0	0	6	23	1	4	3	4	2	1	9	3	2	
	18	226	1012.0	-	43.9</																																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of NOVEMBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION												
										0	1	2	3	4	5	6	7	8	9	10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
5. ENGLAND, S.E.—cont.																																							
Kent.	Biggin Hill	H	7	572	1013.2	-	41.7	1.2	8.2	90	8.3	1	3	1	8	17	0	2	3	2	3	1	6	8	5	0	0	10	16	4	3	3	1	0	6	7	5	1	
			13	572	1012.3	-	45.3	2.5	8.4	81	8.0	1	3	3	11	12	0	1	2	3	2	2	9	9	2	0	0	12	17	1	4	4	2	1	2	11	2	2	3
			18	572	1012.9	-	43.2	1.7	8.3	86	7.8	3	2	2	5	18	0	1	0	5	5	3	5	10	1	0	0	14	11	5	3	3	3	1	3	8	4	0	5
Kent.	Dungeness	H	7	-	-	-	44.9	1.5	8.9	87	8.1	1	0	4	17	8	0	0	0	2	3	0	11	10	0	2	2	9	18	1	3	3	4	1	1	5	7	5	
			13	-	-	-	47.4	1.6	9.8	88	8.1	1	0	4	18	7	0	0	0	2	3	5	12	8	0	0	12	16	0	5	4	3	1	4	6	5	2	2	
			18	-	-	-	46.6	1.4	9.6	89	8.2	0	1	5	14	10	0	0	1	1	2	7	12	7	0	0	1	14	15	0	3	2	4	3	2	7	5	4	4
Kent.	Lympne	H	1	345	1013.3	-	42.1	1.4	8.2	88	6.8	3	4	5	7	11	0	0	2	2	3	4	9	6	4	0	11	19	0	4	7	2	0	2	8	8	3	1	
			7	345	1013.3	-	42.2	1.3	8.3	89	8.0	0	4	4	6	16	0	2	2	1	2	1	12	4	6	0	0	11	19	0	5	5	2	1	2	4	7	4	3
			13	345	1013.3	-	45.5	1.8	9.0	86	8.5	0	2	3	11	14	0	0	1	1	3	6	7	8	4	0	0	16	14	0	8	4	2	1	2	9	3	1	
Kent.	Manston	H	18	345	1013.2	-	43.6	1.2	8.8	90	7.7	1	5	4	2	18	0	0	1	1	4	6	10	2	6	0	12	16	2	4	4	2	1	2	6	6	3	2	
			1	141	1012.6	-	43.1	1.6	8.4	87	6.6	6	4	0	8	12	0	1	0	1	2	1	9	8	8	0	10	17	3	3	2	2	2	4	9	3	2		
			7	141	1012.7	-	43.4	1.4	8.6	89	8.3	1	1	3	11	14	0	1	1	1	3	3	10	3	8	0	0	12	17	1	2	3	2	3	0	4	9	5	4
Kent.	Tunbridge Wells	H	13	141	1012.7	-	46.8	2.2	9.2	83	8.7	1	3	11	15	0	0	0	0	4	3	10	17	2	0	0	19	11	0	3	3	0	3	6	6	7	4	4	
			18	141	1012.6	-	44.8	1.7	8.8	86	7.5	2	3	4	7	14	0	0	0	2	3	4	11	6	4	0	12	14	4	2	2	1	0	6	7	4	4		
			9	407	1013.8	-	43.0	0.9	8.8	92	8.6	1	2	0	11	16	0	1	0	2	4	7	7	8	1	0	0	4	26	0	4	5	1	1	0	10	3	6	
Sussex.	Brighton	H	9	48	1013.2	-	45.8	1.9	9.1	86	8.6	1	1	4	6	18	0	0	0	0	7	10	1	12	0	1	3	26	0	2	5	3	0	6	6	1	7		
Sussex.	Hastings	H	9	174	1013.0	-	45.5	1.9	8.9	85	8.1	1	0	6	9	14	0	0	0	4	12	12	2	0	0	2	5	20	3	1	10	0	0	4	6	0	6		
			21	174	1012.3	-	45.3	1.6	9.0	87	7.8	3	0	7	2	18	0	0	1	0	6	14	8	1	0	0	1	6	21	2	0	10	0	0	3	7	0	8	
Hampshire.	Calshot	H	7	15	1013.3	-	43.3	1.0	8.7	91	8.3	0	3	2	12	13	0	1	0	3	2	2	10	5	7	0	1	5	24	0	6	2	2	0	3	6	4	7	
			13	15	1013.1	-	48.1	2.5	9.3	81	8.0	1	1	6	10	12	0	0	1	1	1	2	13	5	7	0	0	13	16	1	6	4	1	1	3	9	2	3	
			18	15	1012.9	-	46.1	1.4	9.5	89	7.0	2	6	2	9	11	0	0	0	2	1	3	5	12	7	0	0	10	19	1	5	4	0	0	1	11	4	4	
Hampshire.	Southampton	H	9	84	1014.3	-1.0	43.5	1.5	8.4	87	7.5	1	4	4	8	13	0	0	4	3	3	5	15	0	0	1	4	24	1	7	8	1	0	1	6	4	3		
			21	84	1013.8	-1.2	44.9	1.8	8.8	87	5.5	10	2	2	6	10	0	0	1	2	4	26	7	0	0	0	0	7	23	0	4	8	1	0	0	10	3	4	
Hampshire.	S. Farnborough	H	7	256	1013.6	-	41.1	0.9	8.3	93	8.5	0	2	3	8	17	0	2	3	2	2	7	6	6	0	0	7	21	2	3	4	2	1	5	3	7	3		
			13	256	1013.0	-	47.2	2.9	8.8	79	8.0	1	1	4	15	9	0	0	0	1	3	5	6	5	9	1	0	13	15	2	3	3	1	2	8	6	3		
I. of Wight.	Ventnor (Hosp.)	H	18	256	1012.6	-	43.9	1.4	8.8	88	7.2	1	6	2	10	11	0	1	1	1	5	3	8	8	3	0	5	21	4	2	3	1	1	3	5	7	4		
			9	80	1013.3	-	46.2	1.6	9.3	87	8.1	0	3	5	10	12	-	-	-	-	-	-	-	-	-	-	0	8	22	0	6	4	3	1	0	2	12	2	
Wilts.	Amesbury (Boscombe Down)	H	15	80	1012.6	-	48.0	2.4	9.4	82	8.0	0	3	4	7	16	-	-	-	-	-	-	-	-	-	0	11	19	0	4	3	5	0	1	15	2			
			7	420	1013.4	-	39.5	0.8	7.9	93	8.0	1	1	5	9	14	0	1	3	3	2	2	4	14	1	0	0	8	22	0	5	4	2	2	7	3	4		
Wilts.	Larkhill	H	13	420	1013.0	-	45.5	2.2	8.8	84	7.9	1	3	2	12	12	0	1	1	0	1	2	7	13	5	0	0	14	15	1	5	4	3	1	2	8	6	0	
			18	420	1012.9	-	43.5	1.3	8.8	89	7.5	3	2	4	6	15	0	2	0	1	2	5	5	13	2	0	0	7	21	2	2	7	0	1	4	6	3	5	
			9	444	1013.8	-	41.2	1.0	8.2	91	7.6	0	5	5	5	15	0	2	2	1	2	2	4	11	6	0	0	10	18	2	2	5	3	1	1	7	6	3	
7a. ENGLAND, N.W.	Lancashire.	Hutton	H	13	444	1013.1	-	45.5	2.2	8.4	83	7.5	1	4	3	13	9	0	2	0	1	0	9	8	10	0	0	17	11	2	4	3	3	1	1	10	5	1	
				15	444	1012.8	-	44.8	1.9	8.7	85	7.1	3	2	4	11	10	0	2	0	0	0	6	6	7	9	0	0	13	15	2	4	4	2	3	1	7	6	1
				9	444	1012.8	-	44.8	1.9	8.7	85	7.1	3	2	4	11	10	0	2	0	0	0	6	6	7	9	0	0	13	15	2	4	4	2	3	1	7	6	1
Lancashire.	Manchester (Barton)	H	9	86	-	-	41.9	1.0	8.2	91	7.4	0	2	10	14	4	-	-	-	-	-	-	-	-	-	-	0	5	25	0	1	7	3	6	3	7	1	2	
			7	83	1011.5	-	39.2	0.6	7.9	94	7.8	1	5	3	2	19	4	7	0	0	2	5	7	5	0	0	0	7	18	5	2	0	4	1	3	5	7	3	
			13	83	1011.0	-	45.1	2.5	8.4	82	7.9	0	5	1	12	12	1	4	2	3	1	1	10	8	0	0	0	14	15	1	1	2	2	3	3	7	7	4	
Lancashire.	Manchester (Whitworth Pk.)	H	18	83	1010.9	-	41.9	1.3	8.2	90	7.4	2	5	2	3	18	2	4	2	3	1	4	6	8	0	0	12	14	4	1	3	2	5	4	2	4	5		
			9	127	1011.9	-	42.4	1.5	8.0	87	7.5																												

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of NOVEMBER, 1936

Table with columns: DISTRICT, COUNTY AND PLACE; Hour of Observation; Height of Barometer above Mean Sea Level; MEAN PRESSURE; TEMPERATURE AND HUMIDITY; CLOUD AMOUNT; VISIBILITY; WIND, NUMBER OF OBSERVATIONS. Includes data for South Wales, England, S.W., Ireland, N., Ireland, S., Channel I. & Scilly, and Gibraltar.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

S. Where the symbol S occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY OF OBSERVATIONS COMPILED FROM RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

Price 1s. 0d. net, Post-free 1s. 1d.
Annual Subscription, including
Annual Summary and Introduction,
15s. 0d. post free.**DECEMBER, 1936.—Rather mild; very unsettled at times, particularly during the first three weeks, with some severe gales.**

A notable feature of the weather of the month was the marked excess of sunshine enjoyed in the Midlands and the eastern districts of England and Scotland. Rainfall was variable but broadly speaking it was deficient in eastern districts of Great Britain and exceeded the average for the most part in the west and north-west of the British Isles. Gales occurred frequently in the west and north.

A deep depression centred over southern Scandinavia on the 1st caused squally winds from between west and north-west and local gales in the west and north on the 1st. Subsequently this disturbance moved slowly east, while another approached the north of Scotland from the Atlantic. The new depression deepened considerably and moved east and then north-east, while a secondary depression south of Iceland moved south-east to the North Sea. During this period (3rd-6th) unsettled weather prevailed in the British Isles; gales were recorded at many stations chiefly in the west and north and rain, sleet and snow occurred at times. The polar air in the area of the depression over the North Sea brought a fall of temperature on the 5th and 6th and snow was reported as far south as the south-east of England on the 6th. On the 7th a wedge of high pressure moved south-east over Britain; temperature fell still lower and at some places the maximum temperature on that day failed to pass 32°F., while severe frost occurred at many places in the early hours of the 8th. Meanwhile a trough of low pressure was moving east over the British Isles; rain, associated with the trough, froze when it came into contact with the cold surface of the ground and caused a glazed frost in south-east England and the Midlands on the 8th. From the 9th-10th pressure was high over most of England and low near Iceland and on the 11th and 12th a trough of low pressure passed eastward over the British Isles; rain was heavy at times in the west and north.

A period of very unsettled weather ensued, when the British Isles came under the influence of a series of deep Atlantic depressions, which passed to the north of Scotland; widespread gales were reported between the 13th and 20th, especially in the north and west and considerable flooding resulted from the heavy rains of the 13th-15th. Heavy rain was also recorded locally on the 17th and in parts of Scotland on the 19th and 20th.

Subsequently high pressure over central Europe and south-westward of Ireland spread northward and mainly anticyclonic conditions prevailed in the British Isles from the 23rd-27th. Another trough of low pressure caused fairly general rain on the 28th and 29th and an Atlantic depression skirting our north-west seaboard occasioned further gales locally in the west and north on the 30th and 31st.

Pressure and Wind.—Mean pressure exceeded the average except in the extreme north of Scotland, the excess being greatest in the south; the deviation at 7 h. varied from -3.5 mb. at Lerwick in the Shetland Islands to +7.7 mb. at St. Mary's, Scilly. In consequence the mean pressure gradient over the British Isles was greatly increased, westerly winds predominated and gales occurred frequently, particularly in the north and west. Gales were reported on 17 days at Eskdalemuir, 16 days at St. Ann's Head, and 15 days at Lerwick and Stornoway. The main periods of strong winds and gales were the 1st-6th, 13th-20th and 30th-31st; among the highest speeds registered in gusts were 91 m.p.h. at Tiree on the 3rd, 99 m.p.h. at Bell Rock Lighthouse on the 4th, 90 m.p.h. at Point of Ayre on the 6th, 95 m.p.h. at Stornoway and 92 m.p.h. at Tiree on the 16th, 93 m.p.h. at Stornoway and 95 m.p.h. at Tiree on the 17th, and 94 m.p.h. at Lerwick on the 18th.

Temperature.—Mean temperature exceeded the average generally, the excess for districts 1-10 being 1.4°F. A cold spell occurred from the 6th-13th and the 28th was also cold. Temperature in the screen fell to 20°F. or below at many places in Scotland on the 7th and at a number of stations in England on the 7th and 8th. Mild spells included the 2nd-3rd, 17th-21st and 29th-31st; maxima of 55°F. or above were recorded locally during each of these spells.

The night of the 17th-18th was notably mild; for example, the minimum temperature was 54°F. at Attenborough and 53°F. at Cranwell and Ross-on-Wye.

The extremes for the month were:—(England and Wales) 59°F. at Hawarden Bridge and Llandudno on the 17th, 14°F. at Appleby on the 7th and 8th; (Scotland) 58°F. at Stonehaven on the 19th, 11°F. at Dalwhinnie on the 7th; (Ireland) 58°F. at Glasnevin on the 3rd and at Trinity College, Dublin, on the 17th and 25°F. at Ballinacurra on the 13th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 97, the values for the constituent countries being England and Wales 90, Scotland 107 and Ireland 104. In England and Wales rainfall exceeded the average in the north-west, in Wales (except a coastal strip in the south), locally in the western Midlands and in small isolated areas in the south; elsewhere there was a deficiency. In Scotland, rainfall was deficient in the east, in some parts of the south-west and west and locally on the north coast of Sutherland, but an excess occurred over most of the western, central and north-western districts. Less than 50 per cent. of the average was recorded at Gordon Castle (Morayshire) and more than 180 per cent. at Inveraray Castle, Argyllshire. In Ireland, generally speaking, more than the average occurred in the north and west and somewhat less than the average in the south-east.

Rainfall was heavy at times around the middle of the month between the 13th and 20th. Among heavy falls in 24 hours may be mentioned:—

13th. 117 mm. at Trecastle (Brecon), 95 mm. at Oughtershaw (Yorkshire), 73 mm. at Bettws-y-Coed (Denbighshire), 66 mm. at Glenbranter (Argyllshire) and 65 mm. at Brechfa (Carmarthen).

17th. 90 mm. at Holne (Devon) and 67 mm. at Princetown.

19th. 124 mm. at Achnacarry (Inverness-shire), 107 mm. at Glendessary and Kinlochquoich (Inverness-shire), 106 mm. at Ardour (Argyllshire) and 97 mm. at Fort William.

20th. 114 mm. at Ceannacroc Lodge (Inverness-shire).

In Scotland snow occurred locally daily during the first 22 days except the 9th and 20th; it was widespread during the first week and heaviest between the 4th and 6th, when roads were blocked in the west and north. In England snow or sleet was reported at times chiefly between the 5th and 8th and on the 11th and 12th and in Ireland locally on the 5th, 6th and 12th. Thunderstorms occurred at times; they were experienced locally in north-west and south-west England and south-west Scotland on the 5th, over a wide area in the west and south of Scotland on the 16th, and locally in west Scotland on the 31st.

Sunshine.—A striking feature of the weather of the month was the marked excess of sunshine enjoyed over most of England and east Scotland. In England E. and England S.E. the excess amounted to 50 and 51 per cent. of the average respectively. At a number of stations in south-east England and the south Midlands more than 6 hours' sunshine was registered on as many as 5 days. At Dover, Gorleston and Shoeburyness it was the sunniest December since records were first taken in 1907, 1908 and 1919 respectively. In Ireland and the west and north of Scotland there was on the whole a deficiency, which was very notable in Scotland, W. (See Table I). The contrast between the total sunshine registered in the east and west of Scotland was very remarkable; the totals were 65 hours at Craibstone, 58 hours at Forres and Montrose and 56 hours at Dundee and Dunbar, whereas only 1 hour was recorded at Fort William and 3 hours at Onich.

Fog.—Fog was recorded at times, chiefly from the 8th-13th and 23rd-29th; it was widespread in England on the 9th, 10th and 26th.

Miscellaneous Phenomena.—The aurora was observed at northern stations in Scotland on five nights; solar halos were noted at Oxford on seven days.

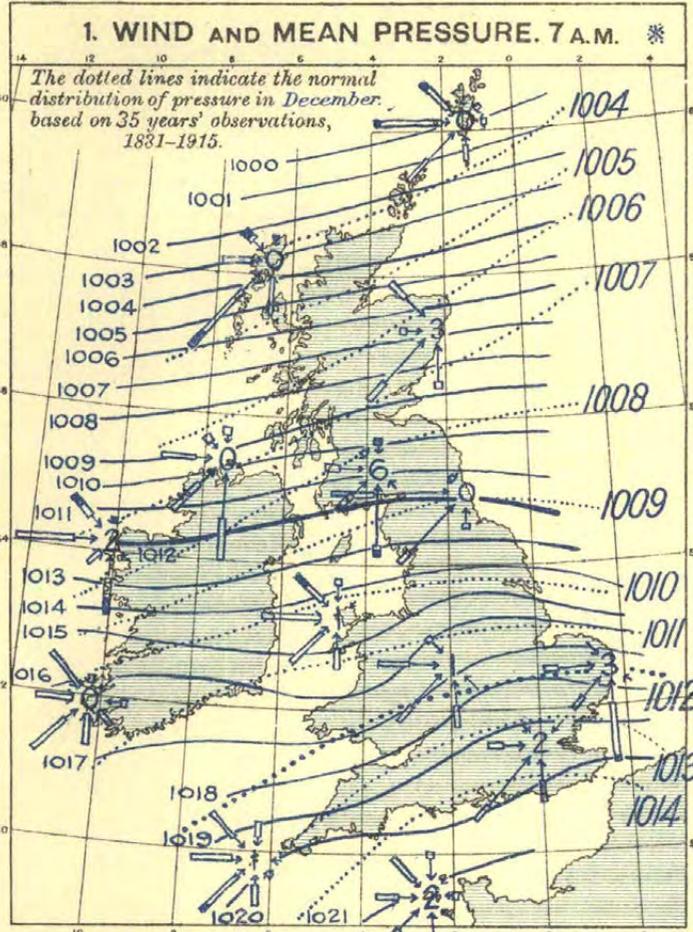
TABLE I.—DISTRICT VALUES.— DECEMBER, 1936 [1908, revised 1928.]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0. SCOTLAND, N.	56	11	+1.4	-	-	102	+ 2	80	10
Eastern.									
1. SCOTLAND, E.	58	12	+1.7	-	-	86	0	127	23
2. ENGLAND, N.E.	57	18	+1.6	+0.4	+0.1	73	- 3	132	23
3. ENGLAND, E.	56	15	+0.8	+0.4	+0.2	73	0	150	23
4. MIDLAND COUNTIES ..	58	18	+1.6	+0.7	+0.1	90	- 1	136	21
5. ENGLAND, S.E.	58	19	+0.9	+0.3	+0.5	78	- 3	151	28

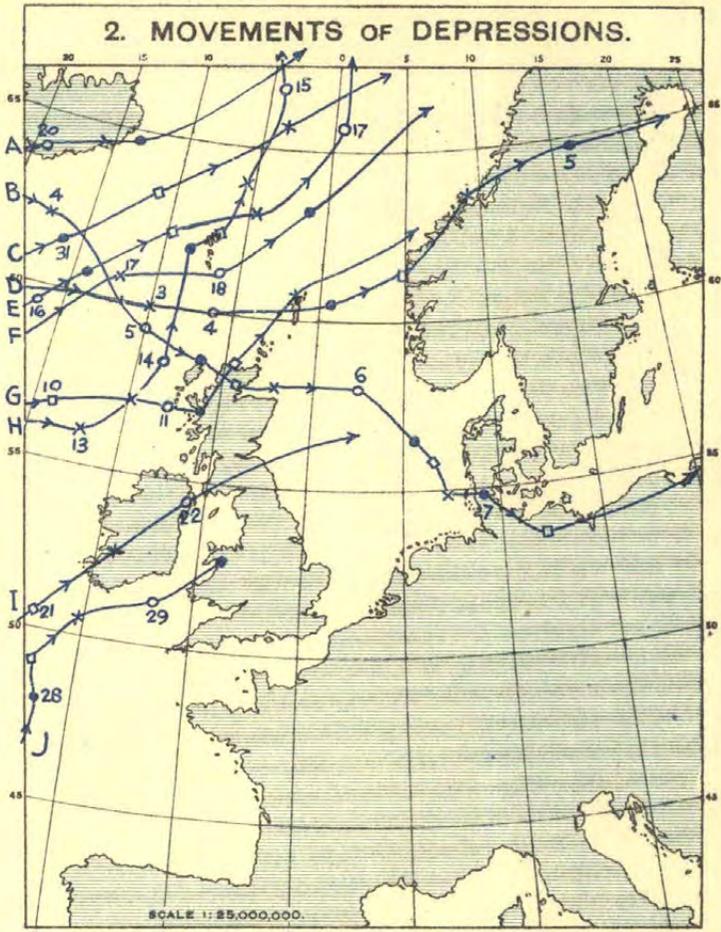
DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western.									
6. SCOTLAND, W. (and I. of Man)	56	16	+1.6	+1.3	+0.7	137	+ 2	67	10
7. ENGLAND, N.W. (and N. Wales)	59	14	+1.7	+0.5	-0.1	117	+ 1	104	16
8. ENGLAND, S.W. (and S. Wales)	58	21	+1.6	+0.4	+0.5	84	- 1	113	21
9. IRELAND, N. ..	55	26	+1.3	+0.1	-0.3	110	+ 2	86	14
10. IRELAND, S. ..	58	25	+1.2	0.0	-0.1	95	+ 1	95	17
11. CHANNEL I. (and Scilly)	57	30	+0.1	-0.9	-0.2	49	- 3	112	23
Mean: DISTRICTS 1-10	59	12	+1.4	+0.5	+0.2	94	0	114	19

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— DECEMBER, 1936 [1914.]

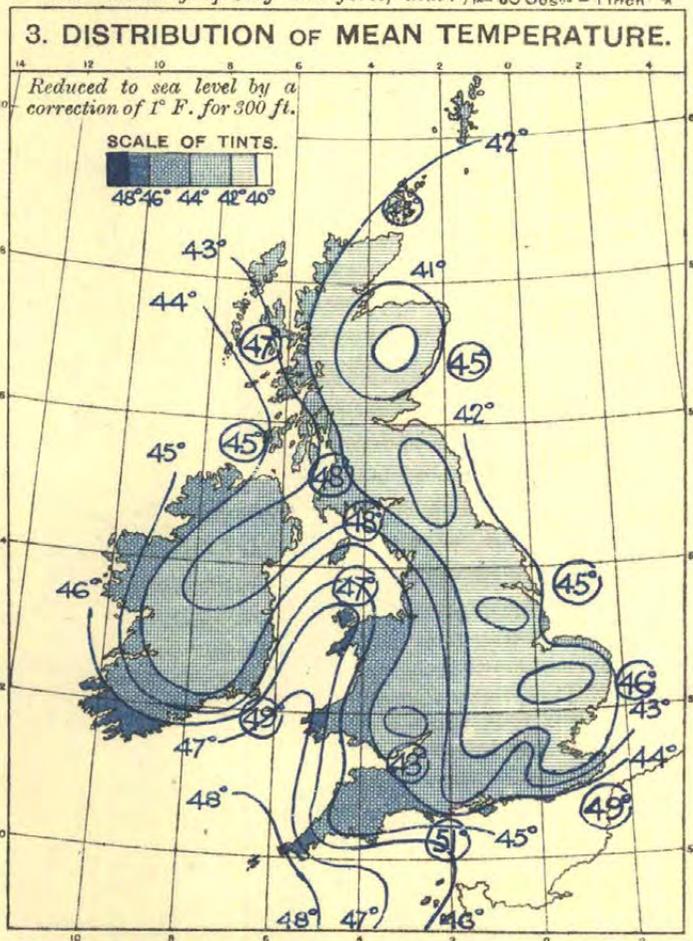
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.	25 to 38 mi/hr.	13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust							
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time					
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.	
0. SCOTLAND, N.																				
Shetland. Lerwick ..	310	53	39	1, 4, 6, 7, 13, 21, 23, 24, 30, 31	152	28	317	203	43	15	14	240	62	28	18 05	94	42	18	02	25
Orkney. Kirkwall ..	170	40	35	4, 13, 16, 18, 20, 21, 23	23	21	205	374	118	2	22	200	49	22	16 07	81	36	18	02	50
Hebrides. Stornoway ..	—	40	36	1, 3, 4, 6, 13, 20, 30, 31	110	24	237	229	156	12	0	180	64	29	16 03	95	43	16	02	40
1. SCOTLAND, E.																				
Aberdeen. Aberdeen ..	70	42	32	-	0	10	41	225	365	113	0	160	37	16	13 24	70	31	13	23	55
Kincairdine. Balmakewan ..	140	25	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Angus. Bell Rock Lighthouse	130	—	126	3, 4, 6, 13, 20, 24, 31	38	18	141	303	192	70	0	190	55	25	16 02	85	38	16	01	25
Edinburgh. Edinburgh ..	485	39	23	4, 13, 15, 17, 19, 20	38	18	141	303	192	70	0	190	55	25	16 02	85	38	16	01	25
6a. SCOTLAND, W.																				
Argyll. Tiree ..	75	50	42	1, 2, 5, 13, 15, 20	85	26	248	304	103	4	0	220	62	28	16 04	95	43	17	20	35
Renfrew. Paisley ..	188	81	31	-	0	12	48	201	354	141	0	180	36	16	15 23	86	38	4	01	00
Renfrew. Renfrew (Abbotsinch)	65	46	34	4	7	17	97	193	295	152	0	260	51	23	4 02	89	40	4	00	55
Dumfries. Eskdalemuir ..	825	50	35	3, 13, 15, 16, 17, 19, 20, 31	31	18	171	168	241	133	0	190	47	21	16 02	77	34	4	04	10
6b. ISLE OF MAN.																				
Isle of Man. Point of Ayre ..	70	40	35	1, 3, 5, 13, 15, 16, 19, 31	58	20	201	321	136	28	0	300	52	23	5 24	90	40	6	00	40
2. ENGLAND, N.E.																				
Durham. South Shields ..	73	57	44	-	0	9	51	329	343	21	0	280	35	16	4 05	65	29	4	04	35
Yorks., N.R. Catterick ..	220	45	33	-	0	11	40	233	325	146	0	260	36	16	4 04	68	30	4	00	40
Yorks., E.R. Spurn Head ..	64	42	34	1, 4, 6, 13, 14, 16	23	17	150	385	127	47	12	180	48	21	14 04	68	30	14	03	20
Lincoln. Cranwell ..	284	43	33	-	0	12	47	350	237	110	0	180	35	16	14 12	61	27	14	12	25
3. ENGLAND, E.																				
Norfolk. Gorleston ..	52	42	34	14	19	8	32	276	343	74	0	170	45	20	14 04	64	29	14	02	30
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	3	30	306	291	117	0	190	31	14	14 16	62	28	14	14	15
Suffolk. Mildenhall ..	64	45	20	-	0	3	30	306	291	117	0	190	31	14	14 16	62	28	14	14	15
Bedford. Cardington ..	285	150	135	13, 14, 16, 18	28	18	119	338	169	90	0	180	48	21	14 02	65	29	14	15	45
Essex. Shoeburyness ..	115	104	89	14, 16	24	15	90	350	235	45	0	190	50	22	14 15	68	30	14	14	45
4. MIDLAND COUNTIES.																				
Warwick. Birmingham ..	643	118	73	-	0	9	37	376	255	76	0	180	34	15	14 02	61	27	14	09	15
5. ENGLAND, S.E.																				
London. South Kensington ..	137	110	30	-	0	1	1	161	466	116	0	210	25	11	14 16	61	27	14	16	05
Surrey. Kew Observatory ..	92	75	50	-	0	15	34	180	394	136	0	190	35	15	14 13	72	32	14	12	30
Surrey. Croydon ..	313	105	70	14	1	10	77	398	214	54	0	190	40	18	14 13	68	30	14	05	50
Kent. Dover ..	66	66	60	14	20	9	40	356	291	37	0	-	43	19	14 18	64	29	14	17	30
Kent. Lympne ..	418	76	48	14, 16	7	8	80	257	360	40	0	200	40	18	14 13	68	30	14	21	15
Hampshire. Calshot ..	58	50	42	13, 14, 16, 18	21	10	65	295	283	80	0	190	49	22	14 15	72	32	14	14	50
Wiltshire. Boscombe Down ..	462	45	33	14	5	10	44	287	327	81	0	190	44	20	14 14	66	29	14	14	10
Wiltshire. Larkhill ..	491	51	36	14	10	13	80	332	271	51	0	210	42	19	14 09	67	30	14	10	40
7a. ENGLAND, N.W.																				
Lancashire. Fleetwood ..	112	50	31	1, 4, 5, 6	34	13	96	338	235	41	0	290	55	25	6 02	89	40	6	02	20
Lancashire. Manchester (Barton)	153	83	80	6	1	13	86	289	238	121	9	300	41	18	6 03	68	30	1	01	15
Lancashire. Southport ..	60	42	33	4-6	24	15	150	298	249	23	0	290	57	25	6 02	76	34	6	01	05
Cheshire. Bidston Obs'y. ..	262	64	39	1, 4-6, 20	29	16	133	366	178	36	2	300	58	26	6 03	82	37	20	08	20
7b. NORTH WALES.																				
Anglesey. Holyhead ..	68	43	35	1, 4, 5, 13, 15, 19, 20	47	19	170	350	151	26	0	300	54	24	6 03	83	37	6	02	20
Fliht. Sealand ..	81	65	42	1, 6	8	9	82	239	327	85	3	300	45	20	6 10	68	30	6	10	35
8b. ENGLAND, S.W.																				
Devon. Moretonhampstead	838	40	35	-	0	11	76	272	273	123	0	210	38	17	14 12	68	30	13	19	35
Devon. Plymouth ..	185	88	65	13-16	27	14	106	273	189	149	0	-	50	22	13 23	70	31	13	22	20
Cornwall. The Lizard ..	315	75	60	6, 13-18	53	20	222	280	142	47	0	170	53	24	14 10	73	33	14	10	10
Cornwall. Pendennis Castle ..	256	65	42	13-18, 31	57	18	152	287	186	62	0	240	58	26	14 10	77	34	14	09	10
9. IRELAND, N.																				
Donegal. Dunfanaghy Road	180	47	30	3, 6, 15, 17, 19, 20	31	18	136	237	245	72	23	-	48	21	16 03	81	36	16	03	15
Antrim. Aldergrove ..	282	40	20	-	0	13	86	237	371	50	0	180	35	16	15 22	65	29	4	03	55
10. IRELAND, S.																				
Dublin. Kingstown (Cup Anr.)	49	27	27	3, 6, 16, 17	4	21	211	298	159	47	25	260	41	18	6 03	-	-	-	-	-
Clare. Quilty ..	100	40	32	5, 6, 16	11	17	217	310	1											



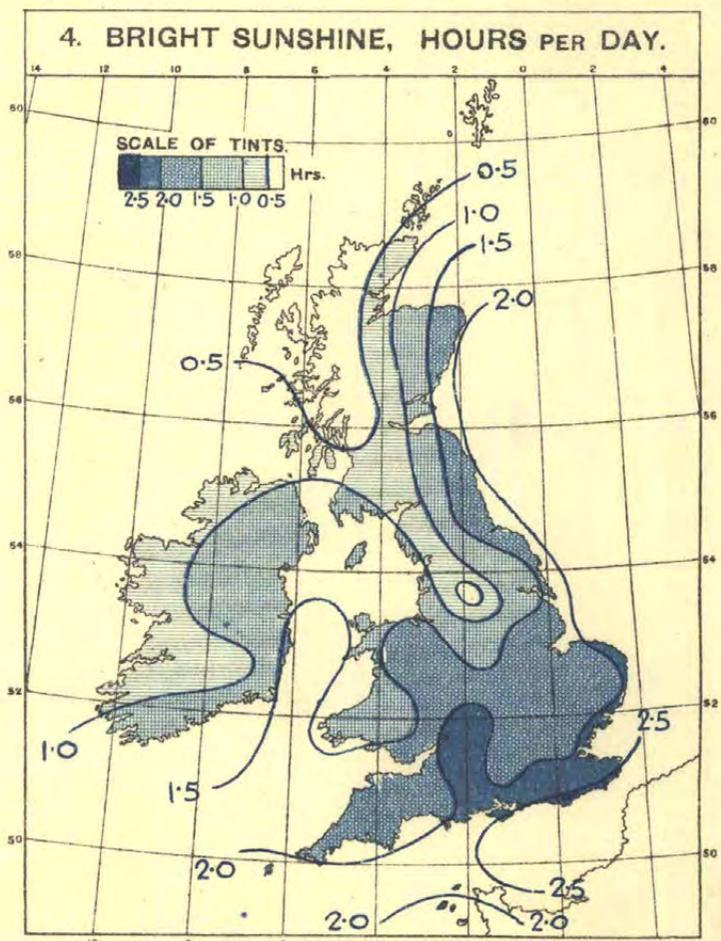
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
LIGHT TO STRONG GALE
1/16 - 30 Obs. = 1 Inch



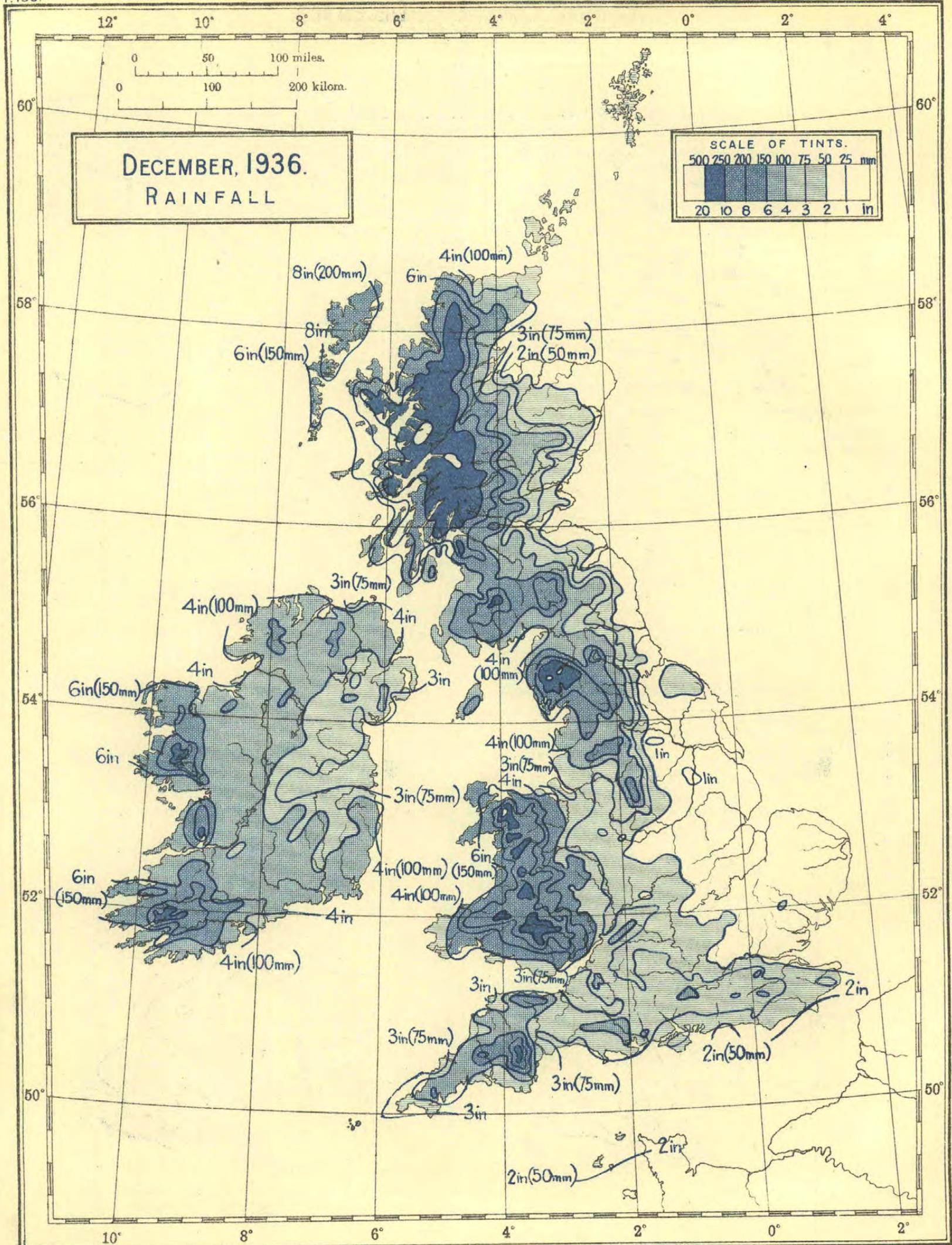
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.



Sea temperatures are shown in large figures, thus: (45°)



*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Pa. 485/3214 Wc. 224 D.17 Gp. 908 325 1/37

The equivalent values in mm. are given in round numbers. The exact relation is 10in=254mm. 1mm

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, DECEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							Earth Temperature		RAINFALL				WEATHER Number of days							BRIGHT SUNSHINE							
			Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n more or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.					
			A Max.	B Min.		Maximum	Date	Minimum					Date	Amount									Date	0.2 mm. or more		1 mm. or more	Daily Mean	Difference from Average		
0. SCOTLAND, N.																														
Shetland.	Baltasound	9 9 9	31	45.1	36.6	40.9	+1.0	51	19	26	7	41.1	5.58	142	+7	21	3	30	26	6	0	10	1	0	13	0.21	-0.15	4		
	Lerwick	18-7-7	156	45.5	38.3	41.9	+1.4	54	31	25	7	-	3.89	99	-14	11	21	26	20	6	0	10	0	0	15	0.24	-0.16	4		
Orkney.	Deerness	2121 9	160	44.8	36.9	40.9	+0.4	51	21	27	6,7	-	3.32	84	-22	16	3	24	20	7	3	2	1	0	-	-0.75	+0.12	12		
	Kirkwall	9 9 9	113	44.4	36.5	40.5	+0.5	51	10	27	7	41.9	3.70	94	-16	15	3	25	20	11	3	10	1	0	4	11	0.88	+0.16	14	
Hebrides.	Skallary	101010	30	48.8	41.1	44.9	-	52	1,19,30	32	7	-	5.28	134	-	13	4	28	27	6	0	10	0	-	-	-	-	-		
	Stornoway (C.G.)	18-7-7	80	45.5	39.4	42.5	+1.4	52	19	30	6,7	-	7.76	197	-	30	10	29	25	7	0	12	1	0	-	-	15	0.39	-0.31	6
Skye.	Duntulm	9 9 9	294	46.1	38.7	42.4	-	50	17,19,30	29	7	-	8.63	219	+60	30	30	29	26	7	0	12	1	0	-	-	-	-		
	Wick	18-7-7	81	43.9	37.6	40.7	+0.4	52	30	27	5	-	3.27	83	+5	27	5	20	15	7	3	2	0	0	-	-	14	-	-	
Ross & Cromarty.	Achnashellach	9 9 9	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inverness.	Fortrose	9 9 9	69	45.2	35.6	40.4	+1.1	52	24	25	7	-	3.47	88	-	16	18	22	18	5	3	0	0	0	-	1	0.80	-0.30	12	
	Dalwhinnie	18-7-7	1176	40.3	33.1	36.7	-	49	31	11	7	-	9.10	231	-	25	15	24	19	7	12	0	0	0	0	16	7	0.25	-	43
Inverness.	Ft. Augustus	9 9 9	68	45.3	35.5	40.4	+1.9	53	30	21	7	-	7.26	184	+36	31	19	27	23	5	5	2	0	0	-	-	0.13	-	28	
	Ft. William	9 9 9	34	47.0	37.1	42.1	+2.5	56	30	23	7,8	41.6	44.6	17.67	449	494	97	19	28	25	4	3	4	2	0	10	6	0.02	-	<18
	Inverness	9 9 9	242	44.6	36.9	40.7	+1.7	53	30	23	7	-	3.47	88	+22	14	18	22	15	8	3	2	0	0	7	0	0.90	-0.20	14	
1. SCOTLAND, E.																														
Nairn.	Nairn	9 9 9	20	46.1	35.4	40.7	+1.8	55	30	25	6,7,8	-	2.59	66	+10	16	18	19	14	5	1	0	0	0	-	0	1.42	+0.27	22	
	Moray.	Forres	9 9 9	155	45.8	33.6	39.7	-	54	9,10	21	7	-	1.94	49	-	11	18	17	13	3	0	1	0	0	-	5	1.88	-	29
Banff.	Gordon Castle	2121 9	104	46.1	35.4	40.7	+1.9	56	31	28	5,6,7	-	1.27	32	-36	7	1	18	10	3	0	1	0	-	-	-	1.55	+0.41	248	
	Banff	9 9 9	130	44.5	35.5	40.0	+1.3	54	20	29	5,6,7	-	1.74	44	-22	8	11	14	12	3	1	4	0	0	8	8	1.58	+0.58	24	
Aberdeen.	Aberdeen	242424	79	45.4	36.3	30.9	+1.5	54	24	27	7	38.4	41.4	1.98	50	-32	8	13	18	14	6	3	0	0	11	3	1.65	+0.47	25	
	Balmoral	9 9 9	927	42.7	30.4	36.5	+1.2	52	30	16	7	-	3.59	91	+5	28	13	20	14	11	6	0	0	-	22	0	-	-		
Kincardine.	Braemar	2121 9	1111	42.6	31.5	37.1	+2.0	51	31	17	7	-	4.09	104	+14	24	15	22	16	9	12	0	0	0	13	6	0.62	-	98	
	Craigstone	9 9 9	300	43.9	34.0	38.9	-	53	24	26	7	39.1	41.7	1.83	47	-37	16	13	16	10	8	6	1	0	-	11	2	1.0	-	31
Angus.	Logie Coldstone	9 9 9	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Perth.	Stonehaven	9 9 9	12	46.3	33.9	40.1	-	58	19	25	7,13	-	1.74	44	-	10	11	18	12	4	0	0	1	0	-	-	1.65	-	24	
	Arbroath	2121 9	93	45.9	34.4	40.1	+1.0	54	19,31	25	7	-	1.46	37	-28	7	11	12	8	0	0	0	0	3	13	2	1.57	-	23	
Fife.	Carnoustie	9 9 9	39	45.0	34.5	39.7	+0.9	53	17,30	24	7	-	1.64	42	-26	6	4	15	10	0	0	0	0	-	-	1	1.45	+0.24	218	
	Dundee	9 9 9	147	44.8	36.4	40.6	+2.1	52	20,31	25	7	37.5	-	2.29	58	-6	9	16	19	11	3	4	0	0	-	20	8	1.79	+0.30	26
Perth.	Kettins	9 9 9	218	44.4	32.5	38.5	+1.2	53	17,30	21	7	37.0	-	3.24	82	-2	13	15	18	11	6	3	0	0	2	12	11	-	-	
	Montrose	9 9 9	16	45.3	34.3	39.8	+0.9	54	17,30	26	13	-	1.71	43	-	10	11	14	11	2	0	0	0	0	-	7	1.86	+0.38	27	
Fife.	Griff	2121 9	478	44.5	33.4	38.9	+1.2	53	24	20	7	-	4.83	123	+9	15	17	22	17	5	3	0	0	-	-	-	-	-	-	
	Perth	9 9 9	76	46.3	36.1	41.2	+3.3	54	17,30	23	7	-	4.00	101	+19	18	16	17	17	2	0	0	0	-	-	-	1.30	+0.14	19	
Mid Lothian.	Cupar	9 9 9	210	44.8	34.3	39.5	+0.9	53	17	23	7,8	-	2.09	53	-	11	21	19	14	1	0	0	0	-	-	-	-	-	-	
	Dunfermline	9 9 9	237	45.0	32.0	38.5	-	53	17	22	7	39.6	43.5	2.80	71	-	17	21	19	16	4	0	1	0	5	15	4	1.20	-	17
Mid Lothian.	Inchkeith	18-7-7	190	45.5	38.6	42.1	+0.9	54	17	28	7	-	1.41	36	-13	6	21	18	11	0	0	0	0	5	5	1.25	-	18		
	Kirkcaldy	9 9 9	63	46.3	33.9	40.1	+0.2	54	20	25	6,7	-	2.10	53	-	13	17	13	11	0	0	0	0	-	-	-	-	-	-	
Mid Lothian.	Leuchars	18-7-7	35	44.0	36.0	40.0	+1.0	54	17	25	7,13	-	1.57	40	-23	9	18	16	12	1	0	0	0	13	0	1	1.69	+0.26	25	
	St. Andrews	9 9 9	13	45.4	35.2	40.3	+1.8	54	17	24	7	40.0	43.2	1.56	39	-27	8	21	15	10	0	0	0	0	8	-	1.77	+0.47	26	
Blackford H.	Blackford H.	2121 9	441	46.4	37.0	41.7	+2.2	54	17	24	7	-	1.95	50	-9	9	13	19	13	1	0	2	1	2	6	4	1.63	+0.26	23	
	Boghall	9 9 9	639	45.3	34.7	40.0	-	53	17	23	7	38.4	41.9	2.35	60	-	12	13	18	17	2	1	0	0	1	12	-	1.43	-	20
E. Lothian.	Liberton	9 9 9	190	46.6	36.8	41.7	-	54	17	25	7	-	2.14	54	-	10	16	18	17	1	0	0	0	-	-	-	-	-	-	
	Univ. King's B.	9 9 9	225	46.2	36.3	41.3	-	55	17	25	7	39.7	43.9	2.06	52	-	9	16	19	14	-	-	-	-	-	-	-	-	-	
Berwick.	Dunbar	9 9 9	75	47.0	35.8	41.4	-	55	17	26	7	-	1.80	46	-	13	13	15	11	2	0	0	0	1	11	1	1.82	-	26	
	N. Berwick	9 9 9	118	45.9	35.6	40.7	-	55	17	28	7	-	1.55	39	-13	6	13	16	10	2	0	0	0	0	14	1	1.42	-	21	
Peebles.	Marchmont	2121 9	498	43.8	32.7	38.3	+0.8	52	17	22	7	-	2.11	54	-17	15	13	19	10	2	0	0	0	-	-	-	1.46	+0.35	218	
	Peebles	9 9 9	629	45.2	33.5	39.3	-	54	17	12	7	-	3.60	91	-	35	13	22	16	1	3	1	0	0	12	5	0.88	-	12	
Roxburgh.	West Linton	9 9 9	820	43.4	32.8	38.1	+1.8	53	19	16	7	37.3	42.3	3.38	86	-	22	13	16	16	5	2	0	0	7	16	-	-	-	
	Kelso (Br' ml'ds)	9 9 9	193	45.																										

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, DECEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation		Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT						Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE						
	Max.	Min.		Means of		Difference from Average	Absolute Maximum and Minimum			1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day							
				A Max.	B Min.		Mean of A and B	Maximum	Date					Minimum	Date								Amount	Date	0.2 mm. or more	1 mm. or more	0.2 mm. or more	1 mm. or more	Daily Mean	Difference from Average
	G.M.T.	ft.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	%					
6b. ISLE OF MAN.																														
Isle of Man.	Douglas	9 9 9	284	48.5	38.7	43.6	+1.3	53	13,17,21	26	7	-	-	5.88	149	+24	46	11	18	15	0	0	3	0	0	4	8	1.22	-0.16	17
	Point of Ayre	18-7 7	30	48.3	41.3	44.8	-	55	21	32	7,13	-	-	4.27	108	-	31	13	20	10	2	0	2	2	1	-	14	1.48	-	20
2. ENGLAND, N.E.																														
Northumberland.																														
	Berwick-on-T.	9 9 9	76	46.2	35.6	40.9	-	54	17	27	7,8	-	-	1.21	31	-18	9	13	11	7	1	0	1	0	0	9	-	2.10	-	30
	Bellingham	9 9 9	849	42.7	31.8	37.3	+0.8	50	17	18	7	-	-	2.95	75	-17	16	13	21	17	6	4	2	0	0	-	-	-	-	-
	Cockle Park	2121 9	325	45.7	34.0	39.9	+1.5	54	17,31	24	7	38.2	41.7	1.52	39	-29	13	13	14	10	3	0	0	0	0	17	4	2.01	+0.56	28
	Tynemouth	18-7 7	108	45.1	38.5	41.8	+0.7	54	18	27	7	-	-	1.27	32	-23	19	14	11	4	3	0	0	0	0	8	4	1.59	-	22
Durham.																														
	Chopwellwood	9 9 9	446	46.5	33.8	40.1	+2.1	55	17	23	7	-	-	1.80	46	-23	20	13	14	8	3	1	0	0	0	12	-	1.91	+0.40	26
	Durham	2121 9	336	45.6	35.1	40.3	+1.9	55	17	25	7	-	-	1.77	45	-7	18	13	13	7	2	0	0	0	1	11	5	1.79	+0.44	25
	Houghall	9 9 9	160	48.7	30.9	39.8	-	57	17	19	5	-	-	1.89	48	-	21	13	8	7	2	0	0	0	2	19	0	1.68	-	23
	Ushaw College	9 9 9	594	44.8	34.2	39.5	+1.5	52	3,17	23	7,8	-	-	1.88	48	-15	20	13	16	8	4	0	0	0	10	-	-	-	-	-
Yorks., N. Riding.																														
	Amplesford	9 9 9	313	45.2	33.5	39.3	+0.8	55	17	23	8	-	-	1.86	47	-	14	14	16	9	2	2	2	1	5	17	-	1.34	-	18
	Castleton	9 9 9	450	45.0	32.8	38.9	-	54	17	22	8	38.4	-	2.61	66	-	23	14	15	8	3	3	0	0	0	18	-	-	-	-
	Catterick	18-7 7	175	45.2	36.4	40.8	-	55	17,21	25	7,8,10	-	-	1.64	42	-	13	14	15	6	3	2	1	0	2	12	0	1.89	-	26
	Scarborough	9 9 9	118	46.9	36.1	41.5	+0.8	56	18	28	10,11	-	-	2.26	57	-3	17	6	16	10	3	2	1	0	5	15	2	1.57	+0.47	21
	York	2121 9	57	46.6	36.6	41.6	+1.9	57	17	26	7,10	41.1	45.2	1.30	33	-24	9	13	15	10	2	1	0	0	-	1	1.16	+0.33	168	
Yorks., E. Riding.																														
	Hull	2121 9	8	46.0	37.4	41.7	+2.0	55	17,18	29	7,9,10	40.0	45.1	0.91	23	-28	5	13	18	8	4	0	1	0	6	11	-	1.37	-	18
	Spurn Head	18-7 7	29	45.6	38.5	42.1	+1.4	53	18	28	7	-	-	1.59	40	-18	8	8	17	13	3	0	1	0	2	-	5	1.62	+0.29	22
Lincoln.																														
	Cranwell	18-7 7	240	44.4	36.6	40.5	+1.8	56	17	24	8	40.0	44.1	1.51	39	-17	7	14	16	10	3	1	0	0	2	9	0	1.81	+0.23	24
	Cleethorpes	9 9 9	23	46.0	35.3	40.7	-	56	17	28	7,8,11	-	-	1.18	30	-	6	13	22	12	3	0	2	0	2	9	-	1.67	-	22
	Skegness	9 9 9	15	45.8	35.6	40.7	+1.2	54	17,18	26	8	-	-	0.98	25	-31	5	8	18	8	4	1	0	0	3	8	-	2.10	+0.61	28
3. ENGLAND, E.																														
Norfolk.																														
	Cromer	9 9 9	178	45.9	36.2	41.1	+0.7	56	17	29	8,12,13	-	-	1.38	35	-29	7	6	17	10	2	0	0	0	3	6	0	2.17	+0.72	29
	Hunstanton	9 9 9	105	45.8	36.7	41.3	-	55	18	27	8	-	-	1.45	37	-	9	14	19	11	1	1	0	0	3	-	-	1.91	-	25
	Norwich	9 9 9	110	45.5	35.0	40.3	+0.5	56	17	25	8	39.6	-	1.77	45	-	9	14	24	13	2	1	0	0	-	15	-	1.95	+0.59	25
	Sprowston	9 9 9	93	46.2	35.6	40.9	-	56	17	27	8	-	-	1.49	38	-	9	6	22	10	3	1	2	0	6	13	-	1.83	-	24.8
	Terrington	9 9 9	13	46.5	35.6	41.1	-	57	17	26	8	-	-	1.75	45	-	13	14	22	12	3	2	0	0	5	13	-	1.83	-	24
	Thetford	9 9 9	99	45.7	34.3	40.0	-	55	29	19	8	40.2	43.8	1.38	35	-	8	8	22	13	1	1	0	0	5	16	-	2.06	-	27
	(Lynford Nursery)																													
	Yarmouth	18-7 7	5	45.5	38.0	41.7	+2.1	56	17	28	8	42.1	47.4	1.41	36	-26	7	14	16	10	3	0	1	0	2	3	1	2.15	+0.78	27
Suffolk.																														
	Bungay (Flix'n)	9 9 9	79	45.2	35.3	40.3	+1.2	53	17,18,29	24	8	-	-	1.49	38	-	7	14	16	14	3	0	0	0	3	12	-	-	-	-
	Copdock	9 9 9	164	45.8	35.1	40.5	+1.2	55	17	22	8	40.5	45.0	1.59	40	-	9	14	19	10	2	0	0	0	7	13	-	2.22	+0.63	29
	Felixstowe	9 9 9	72	46.0	36.2	41.1	-	53	3,18	25	8	-	-	1.10	28	-	7	8	16	9	3	2	0	0	5	-	-	2.41	-	31
	Hartest	9 9 9	250	45.4	34.6	40.0	-	54	17	24	8	-	-	1.72	44	-	9	14	17	11	1	1	0	0	5	17	-	1.73	-	22
	Lowestoft	9 9 9	82	46.0	35.8	40.9	+0.5	55	14,17,18	26	8	40.9	44.0	1.46	37	-22	7	8	18	10	3	0	2	0	6	14	1	2.28	+0.78	30
	Mildenhall	18-7 7	19	45.5	36.9	41.2	-	56	17	24	8	-	-	1.26	32	-	8	8	16	11	1	0	0	0	5	11	1	2.00	-	26
Cambridge.																														
	Cambridge (Bot. Gdns.)	2121 9	41	45.9	35.6	40.7	+1.0	56	17,18	22	8	40.6	45.4	1.53	39	-10	8	8	14	10	1	0	1	0	3	13	0	1.55	+0.22	20
	(Univ. Farm)	9 9 9	78	(46.6)	(35.1)	(40.9)	-	56	17	24	8	-	-	1.74	44	-	6	8	17	12	1	0	0	0	2	17	2	2.24	-	29
Bedford.																														
	Luton	9 9 9	381	46.1	35.0	40.5	+1.4	55	17	23	8	41.6	46.9	1.93	49	-	10	14	17	14	0	0	0	0	3	14	-	1.75	+0.29	22
	Woburn	9 9 9	291	46.1	34.9	40.5	+1.0	56	17	21	8	40.5	46.4	1.38	35	-24	5	13	16	12	2	0	0	0	3	13	-	1.66	+0.45	21
Hertford.																														
	Rickmansworth	9 9 9	192	46.8	30.0	38.4	-	55	2,3,17	15	8	39.4	44.7	2.85	72	-	15	14	25	16	5	2	2	0	11	27	1	1.72	-	228
	Rothamsted	9 9 9	420	44.7	34.5	39.6	+0.3	54	17	23	8	40.3	-	2.08	53	-18	10	14	22	13	1	1	2	0	6	15	1	1.92	+0.52	25
	St. Albans	9 9 9	272	46.3	34.5	40.4	-	55	17	22	8	40.8	-	1.83	47	-17	9	14	19	15	0	0	0	0	5	14	-	-	-	-
Essex.																														
	Clacton-on-S.	9 9 9	53	45.8	36.5	41.1	+0.6	53	3	24	8	41.6	45.8	1.31	33	-15	8	8	15	10	3	0	1	0	6	8	-	2.31	+0.84	29
	Chelmsford	9 9 9	134	47.1	35.3	41.2	+1.1	56	17	24	8	-	-	1.79	45	-12	10	14	17	12	1	1	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	47.0	35.6	41.3	-	56	17	(27)	(24)	-	-	2.12	54	-	15	14	18	13	1	1	0	0	-	10	-	1.97	-	

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, DECEMBER, 1936

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE						
			Means of		Difference from Average	Absolute Maximum and Minimum				1 ft.	4 ft.	Total Fall	Difference from Average	Most in a day	Precip'n	Snow lying	Hall	Thunderstorm	Fog (Morn g Obs.)	Ground Frost	Gale	Hours per day									
			A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum													Date	0.2 mm. or more	1 mm. or more	hr.	Difference from Average	Per Cent.				
8b. ENGLAND, S.W.—cont.																															
Dorset.	Holton Heath	9 9 9	64	48.8	35.6	42.2	+0.2	56	2	21	8	42.2	45.8	3.96	101	-	19	17	15	9	0	0	1	0	2	13	2	1.92	+0.27	24	
	Portland Bill	18-7 7	32	49.2	43.6	46.4	+0.9	55	17	32	8	-	-	2.69	68	-11	13	17	16	11	2	0	0	1	0	0	-	-	-	-	
	Shaftesbury	9 9 9	722	45.9	34.8	40.3	+0.4	52	17,30	27	7,8	-	-	2.28	58	-34	13	14,15	17	14	0	0	1	0	0	0	-	-	-	-	
Devon.	Arlington	9 9 9	613	48.2	37.7	42.9	+1.5	55	17	28	10	-	-	6.02	153	-15	29	13	23	16	3	0	5	0	0	8	-	-	-	-	
	Cullompton	9 9 9	202	51.4	36.6	44.0	+2.2	56	17	24	13	44.1	-	3.65	93	-19	17	15	17	16	0	0	0	0	3	21	-	1.74	+0.28	22	
	Ilfracombe	9 9 9	25	50.8	42.8	46.8	+1.7	57	17,18	32	10	45.1	50.0	4.94	125	+7	27	13	18	14	0	0	1	0	0	1	-	1.21	-0.02	15	
	Killerton	9 9 9	159	49.4	37.5	43.5	+1.4	56	17,22	26	13	-	-	2.87	73	-	19	13	21	14	-	-	1	15	-	-	-	-	-	-	
	Moretonhampstead	9 9 9	798	46.8	38.0	42.4	-	54	17	31	10,13	42.7	46.1	6.89	175	-	42	13	21	13	3	0	4	0	1	8	3	1.79	-	22	
	Newton Abbot	9 9 9	375	48.9	39.3	44.1	-	55	2	32	13,24	-	-	5.32	135	+18	32	17	18	13	2	0	2	0	1	13	-	1.64	-	20	
	Paignton	9 9 9	12	50.5	39.2	44.9	+0.8	56	2,17	27	13	-	-	5.30	135	-	31	13	18	13	0	0	0	0	11	-	1.95	+0.14	24		
	Plymouth (Hoe)	2121 9	117	49.8	41.2	45.5	+1.0	56	2	29	13	44.8	48.6	3.40	86	-41	12	13	18	14	1	0	0	0	3	7	5	1.84	+0.17	23	
	Plymouth (Mount Batten)	18-7 7	82	49.4	42.9	46.1	+1.0	56	7	29	13	-	-	3.51	89	-	16	13	17	14	0	0	3	0	0	2	6	1.87	+0.11	23	
	Princetown	9 9 9	1430	44.7	34.9	39.8	+0.5	51	17	27	15	-	-	12.52	318	+23	67	17	25	23	1	0	1	0	10	13	-	-	-	-	
	Sidmouth	9 9 9	25	50.2	39.9	45.1	+1.9	56	17	28	13	-	-	3.18	81	-	19	13	17	13	1	0	0	0	0	8	-	1.96	-	25	
	Tavistock	9 9 9	457	48.5	38.5	43.5	+1.2	54	2,16,17	27	13	-	46.7	5.78	147	-16	37	13	21	15	0	0	4	0	1	12	3	-	-	-	
	Teignmouth	9 9 9	20	50.8	40.8	45.8	+1.1	57	2,3	30	24	-	-	4.06	103	-	4	27	13	17	12	0	0	1	0	0	-	1.91	+0.03	24	
	Torquay	9 9 9	27	50.8	39.8	45.3	+0.6	57	2,17	29	13	-	47.9	4.66	118	+4	27	13	18	14	0	0	0	0	6	0	2.16	+0.24	27		
Cornwall.	Falmouth Obs.	9 9 9	167	50.5	42.1	46.3	+1.2	56	17	36	10,24	45.2	49.3	4.57	116	-43	28	13	23	18	0	0	3	0	0	4	-	1.92	+0.12	24	
	Fowey	9 9 9	51	51.0	41.2	46.1	+1.0	56	4	33	13,24	-	-	3.25	83	-	11	13	22	17	0	0	2	0	1	-	1.52	-0.36	19		
	Gulval	9 9 9	20	51.4	42.5	46.9	-	56	17	33	24	-	-	3.95	100	-	28	13	18	16	0	0	1	1	-	3	-	1.95	-	24	
	The Lizard	18-7 7	240	49.5	44.1	46.8	-	54	17	37	12,13	-	-	2.61	66	-	8	11	20	16	0	0	1	0	0	0	-	-	-	-	
	Newquay	9 9 9	190	49.9	42.2	46.1	+1.1	56	17	32	10	45.8	49.5	2.83	72	-38	17	13	20	16	0	0	3	1	0	-	5	1.98	+0.35	25	
	Redruth	9 9 9	397	48.6	40.5	44.5	+0.3	54	16,17	33	10	-	-	5.86	149	-10	35	13	24	18	0	0	2	0	0	8	4	-	-	-	
9. IRELAND, N.																															
Sligo.	Markree Cas.	2121 9	122	47.9	36.6	42.3	+1.2	55	31	26	12	43.5	46.9	5.25	133	+13	15	13	27	25	2	0	6	0	0	0	-	9	1.11	0.00	15
Mayo.	Blacksod Pt.	18-7 7	18	48.8	41.5	45.1	-	54	18	34	5,6,15	-	-	8.31	211	+56	36	13	28	23	3	0	10	0	0	-	11	-	-	-	
	Mallaranny	9 9 9	113	49.5	40.5	45.0	+1.5	54	2,7,20	34	12	-	-	7.98	203	-	26	13	30	26	-	-	-	-	-	-	-	0.81	-0.23	11	
Donegal.	Malin Head	18-7 7	84	47.6	41.0	44.3	+1.1	53	2,19,30	34	6,7,13	-	-	3.47	88	+3	9	21	26	20	1	0	10	1	0	-	2	0.58	-0.48	88	
Antrim.	Aldergrove	18-7 7	238	45.2	38.0	41.6	-	53	17,31	31	7,9,13	-	-	3.74	95	+8	13	13	22	17	2	0	3	0	0	7	1	0.97	-	13	
Down.	†Donaghadee	8 8 8	40	48.2	36.8	42.5	+0.6	54	17	31	7,13	-	-	3.45	88	+7	21	13	20	16	-	-	-	-	-	-	-	1.33	-	18	
	Hillsborough	9 9 9	388	46.2	36.5	41.3	-	54	17	29	16	42.1	-	3.11	79	-	19	13	17	14	2	0	1	0	0	9	1	1.15	-	16	
Armagh.	Armagh	2121 9	204	47.0	37.0	42.0	+1.4	53	2,17,31	31	5,13	41.6	45.0	3.21	82	+2	20	13	19	14	2	0	0	0	0	7	5	1.26	-0.03	17	
Longford.	Newtownforbes	2121 9	154	47.3	35.7	41.5	+1.0	53	2,3,30	29	12	42.0	45.5	4.13	105	+4	26	13	18	18	2	0	1	0	-	-	-	-	-	-	
10. IRELAND, S.																															
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dublin City	2121 9	54	49.2	40.2	44.7	+1.6	57	17,21	32	12	-	-	2.38	60	-3	15	11	19	12	1	0	1	0	1	3	0	-	-	-	
	" Glasnevin	2121 9	55	52.5	37.7	45.1	+3.0	58	3	29	7,9,10	-	-	2.47	63	-2	15	11	21	12	1	0	0	0	5	11	0	-	-	-	
	" Phoenix Pk.	2121 9	155	48.2	37.5	42.9	+1.5	57	21	27	28	-	-	2.51	64	-1	19	13	19	13	2	0	0	0	3	12	-	1.57	+0.09	21	
	" Trin. Coll.	2121 9	13	49.7	40.5	45.1	+1.6	58	17	33	9	43.1	45.6	2.28	58	-2	14	11	17	13	2	0	0	0	-	7	3	-	-		
	Hazelhatch	9 9 9	366	49.1	35.1	42.1	-	56	17	27	9	43.1	44.8	2.68	68	-	25	13	18	16	-	-	-	-	-	-	-	1.50	-	20	
	(Peamont San.)																														
	Rathfarnham	9 9 9	169	48.9	38.2	43.5	-	57	17	31	9,10,28	43.4	-	3.02	77	-	24	13	16	12	3	0	1	0	0	8	-	1.76	-	23	
Wicklow.	Newcastle	2121 9	256	48.9	38.0	43.5	+1.0	57	3	30	13	-	-	3.46	88	-	26	13	16	13	1	0	0	0	0	-	-	-	-	-	
Offaly.	Birr Castle	18-7 7	173	47.3	39.1	43.2	+1.5	57	17	28	9	43.6	46.9	3.13	80	-4	19	13	25	13	1	0	0	0	0	10	0	1.36	-0.03	18	
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	46.6	37.3	41.9	+0.6	54	17	31	12,13	-	-	5.53	141	-	36	13	25	18	1	1	0	0	0	12	11	0.63	-1.06	8	
	Waterford	9 9 9	137	48.8	38.1	43.5	+0.7	55	2,3	30	24	-	-	4.30	109	-7	26	13	21	15	1	0	0	0	8	-	3	-	-		
Limerick.	Foynes	9 9 9	43	49.9	(40.0)	44.9	+2.0	57	24	(35)	12,31	-	-	5.07	129	+9	24	13	25	22	-	-	-	-	-	-	-	-	-		
Kerry.	Valentia Obs.	242424	30	50.4	43.2	46.8	+1.5	54	3,17	34	23	45.9	49.1	7.11	181	+12	33	13	27	22	0	0	7	0	0	2	10				

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of DECEMBER, 1936

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION												
										0	1 to 3	4 to 6	7 to 9	10	FOG			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
										°F.	°F.	mb.	%	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
5. ENGLAND, S.E.—cont.																																							
Kent. Biggin Hill	H	7	572	1019.6	-	39.9	1.2	7.6	89	6.8	4	4	3	5	15	0	0	1	2	5	3	2	20	8	0	1	15	13	2	0	1	1	1	2	9	7	7	2	
		13	572	1019.7	-	43.8	2.7	7.7	78	7.1	1	7	1	13	9	1	1	0	0	2	3	13	7	4	0	0	0	18	13	0	0	1	1	1	2	0	7	10	8
		18	572	1020.2	-	41.6	1.8	7.7	84	6.1	4	7	3	5	12	1	1	1	1	1	7	6	13	0	0	0	0	15	13	2	0	1	2	2	0	8	9	6	3
Kent. Dungeness		7	-	-	-	42.3	0.9	8.5	92	6.5	1	6	7	12	5	0	0	0	1	0	4	9	27	0	0	0	2	10	19	0	2	0	2	0	3	10	6	6	
		13	-	-	-	46.1	2.1	8.8	82	7.0	0	5	6	14	6	0	0	0	1	0	4	10	26	0	0	0	1	12	18	0	1	0	2	1	3	11	6	7	
		18	-	-	-	44.0	1.5	8.6	87	6.9	1	7	2	15	6	0	0	0	0	1	5	9	26	0	0	0	0	13	17	0	2	0	2	1	2	3	14	4	5
Kent. Lympne	H	1	345	1020.6	-	40.4	1.3	7.7	88	7.1	4	5	1	6	15	0	0	1	2	2	3	6	9	8	0	0	10	21	0	4	0	3	1	4	11	6	2		
		7	345	1020.5	-	39.5	1.1	7.6	90	7.1	2	4	3	10	12	0	0	1	0	5	3	4	13	5	0	0	11	19	1	2	0	2	1	6	8	7	4		
		13	345	1020.6	-	43.8	2.3	8.0	82	6.5	1	8	3	7	12	0	0	2	1	5	8	5	8	0	0	0	16	14	1	2	0	1	1	4	11	7	4		
Kent. Manston	H	13	345	1021.0	-	41.4	1.6	7.8	86	6.3	6	4	2	9	10	0	1	0	0	3	4	15	5	3	0	0	12	18	1	2	0	1	2	5	10	7	3		
		18	345	1021.0	-	41.4	1.6	7.8	86	6.3	6	4	2	9	10	0	1	0	0	3	4	15	5	3	0	0	12	18	1	2	0	1	2	5	10	7	3		
		1	141	1019.8	-	41.1	1.5	7.8	87	7.0	5	3	2	6	15	0	0	0	0	5	2	7	11	6	0	0	13	17	1	0	0	2	5	12	5	6			
Kent. Tunbridge Wells		7	141	1019.5	-	40.7	1.3	7.8	88	7.2	0	9	0	7	15	0	0	0	1	2	1	7	12	8	0	0	14	16	1	1	0	1	6	13	4	4			
		13	141	1019.7	-	44.7	1.5	8.2	80	6.4	5	4	3	10	9	0	0	0	1	3	9	12	5	0	0	0	18	12	1	0	0	2	5	9	9	3			
		18	141	1020.3	-	41.9	1.7	7.8	85	6.6	5	6	1	5	14	0	0	0	0	2	4	13	8	4	0	0	13	17	1	0	1	1	8	10	4	5			
Sussex. Brighton	H	9	407	1021.0	-	39.8	0.9	7.6	91	6.3	8	0	4	7	12	0	2	0	3	2	6	7	11	0	0	0	7	24	0	0	2	2	1	14	8	3			
		9	48	1020.6	-	42.9	1.8	8.1	85	6.8	0	10	2	4	15	0	0	2	3	5	6	13	0	2	0	0	15	15	0	0	2	2	3	4	9	8	3		
		21	121	1020.9	-	42.3	1.3	8.1	87	6.0	8	2	5	4	12	0	0	0	1	1	12	10	6	7	0	0	2	6	21	2	1	1	0	3	3	12	0	9	
Sussex. Hastings	H	9	121	1020.2	-	43.3	1.7	8.3	86	6.2	8	1	5	2	15	0	0	0	0	6	12	7	6	0	0	0	2	4	22	3	0	0	0	3	1	14	0	10	
		7	15	1019.9	-	42.4	1.1	8.3	90	6.1	3	8	3	7	10	0	0	1	0	0	0	7	9	14	0	0	2	11	15	3	1	2	2	1	7	8	5	2	
		13	15	1020.3	-	46.6	2.3	8.9	83	7.2	2	5	0	13	11	0	0	0	1	0	3	8	10	9	0	0	1	18	12	0	2	1	2	8	6	8	2		
Hampshire. Calshot		18	15	1020.4	-	44.3	1.4	8.8	89	7.0	3	5	2	8	13	0	0	0	0	1	0	6	13	11	0	0	0	13	18	0	1	1	3	8	8	7	2		
		9	84	1020.7	+6.5	42.9	1.6	8.1	86	6.6	6	1	6	3	15	0	1	4	3	6	2	14	1	0	0	0	2	6	22	1	1	3	1	1	2	11	4	7	
		21	84	1020.5	+6.3	43.9	2.1	8.8	90	6.5	6	3	5	3	14	0	2	1	3	8	9	7	1	0	0	0	9	20	1	1	0	0	5	0	12	3	8		
Hampshire. Southampton		7	256	1019.4	-	40.0	1.2	7.8	89	6.6	2	8	1	7	13	0	2	0	1	2	3	8	7	0	0	0	8	21	2	0	0	3	2	6	7	10	1		
		13	256	1019.6	-	45.7	2.9	8.3	78	7.0	2	6	2	11	10	0	1	2	1	0	3	6	8	20	0	0	13	16	2	0	0	3	0	5	9	9	3		
		18	256	1020.0	-	42.3	1.6	8.2	86	6.1	3	8	4	2	14	0	1	0	2	1	3	9	11	4	0	0	0	9	20	2	1	0	1	2	7	7	8	3	
I. of Wight. Ventnor (Hosp.)		9	80	1020.6	-	44.8	1.9	9.3	91	6.4	4	5	3	6	13	-	-	-	-	-	-	-	-	-	-	-	5	26	0	3	2	0	2	1	5	14	4		
		15	80	1020.2	-	45.8	2.4	9.5	90	6.7	1	8	3	9	10	-	-	-	-	-	-	-	-	-	-	-	7	23	0	4	1	0	2	2	3	16	3		
		7	420	1019.6	-	40.0	0.9	8.0	91	6.6	5	4	4	3	15	0	1	1	0	1	3	8	10	7	0	0	13	18	0	2	0	5	1	7	7	6	3		
Wilts. Amesbury (Boscombe Down)	H	13	420	1019.8	-	44.8	2.1	8.5	83	6.9	2	5	5	7	12	0	0	0	1	1	5	2	12	20	0	0	18	12	0	2	0	2	3	7	7	8	2		
		18	420	1020.1	-	41.7	1.1	8.3	90	7.2	3	3	4	6	15	0	0	1	0	0	5	5	17	3	0	0	15	15	1	3	0	2	2	8	6	6	3		
		9	444	1019.8	-	40.1	1.1	7.8	91	6.5	1	9	3	5	13	0	2	0	2	3	1	5	11	7	0	0	12	17	1	1	1	3	2	5	9	7	2		
Wilts. Larkhill	H	13	444	1019.6	-	44.7	2.5	8.2	80	7.2	1	7	1	10	12	0	0	1	3	2	0	3	7	15	0	0	19	12	0	1	0	1	3	4	11	8	3		
		15	444	1019.4	-	43.8	2.1	8.2	83	7.3	1	5	4	7	14	0	0	1	2	2	2	3	8	13	0	0	15	15	1	3	0	0	2	5	9	9	2		
		7	444	1019.4	-	43.8	2.1	8.2	83	7.3	1	5	4	7	14	0	0	1	2	2	2	3	8	13	0	0	15	15	1	3	0	0	2	5	9	9	2		
7a. ENGLAND, N.W.																																							
Lancashire. Hutton		9	86	-	-	41.7	1.3	7.9	88	8.2	0	0	0	29	2	-	-	-	-	-	-	-	-	-	-	-	1	7	23	0	0	4	0	8	2	12	3	2	
		7	83	1015.2	-	40.9	1.4	7.9	88	7.7	1	5	3	6	16	1	1	0	2	3	7	11	12	0	0	0	12	17	2	1	0	0	5	8	6	5	4		
		13	83	1015.8	-	44.1	2.2	8.2	82	7.5	0	5	2	13	11	1	0	0	3	3	3	12	8	1	0	0	17	13	1	1	0	0	2	10	6	7	4		
Lancashire. Manchester (Barton)	H	18	83	1016.1	-	42.4	1.7	8.1																															

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of DECEMBER, 1936

Table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Radnor, Glamorgan, Somerset, Dorset, Devon, Cornwall, Sligo, Mayo, Donegal, Antrim, Armagh, Dublin, Offaly, Waterford, Kerry, Cork, Selly, Guernsey, and MALTA.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by Dines Pressure Tube Anemometers. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N." the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction [see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47] but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

S. Where the symbol S occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), Pressure (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

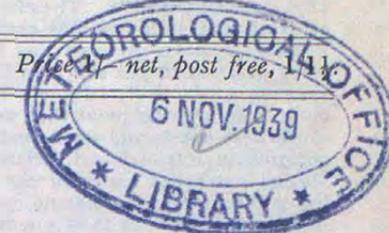
*In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY FOR THE YEAR 1936, INCLUDING MONTHLY AND ANNUAL TABLES OF WIND BASED UPON THE RECORDS OF AUTOGRAPHIC INSTRUMENTS. PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:—ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2; 120 GEORGE STREET, EDINBURGH 2; 26 YORK STREET, MANCHESTER 1; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

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SUMMARY FOR THE YEAR 1936

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DULL AND RATHER WET IN ENGLAND AND WALES; DRY AND SUNNY ON THE WHOLE IN NORTH AND NORTH-EAST SCOTLAND; SEVERE GALES AT TIMES

The year 1936 was distinguished by a marked deficiency of sunshine in England and Wales, particularly in the south and east and the Midlands. Among notable features of the weather were the extensive floods in early January, the long drought locally in south and east England during the end of April and first three weeks of May and the unusually frequent thunderstorms, accompanied locally by large hailstones and intense falls of rain, in June and July. August was unusually dry and the period covering the latter half of October and the first half of November was remarkable for frequent strong winds and gales, as was also the greater part of December. The widespread, persistent and sometimes dense fog which occurred between November 19th and 28th was noteworthy, and extensive floods resulted from heavy rain which fell during the middle period of December.

JANUARY was excessively wet except in north-west Scotland and cold except in south-east and east England and the Channel Islands. Sunshine exceeded the average in Scotland and north-east England but was deficient elsewhere, notably so in south-east England. A severe gale occurred on the 9th-10th. FEBRUARY was cold with an unusual frequency of winds from some easterly point. It was wet on the whole in England, eastern Scotland and the extreme south of Ireland; on the other hand, a deficiency of more than 50 per cent. of the average occurred locally in the west and north of Scotland. Sunshine was variable but exceeded the average for the country generally; the Midland counties with 128 per cent. of the average, were particularly fortunate in this respect. MARCH was mild, notably so from the 19th-31st. It was also exceedingly dull; the percentage of the average sunshine for districts 1-10 was only 61, and at many places it was the dullest March on record. Rainfall was deficient on the whole, but an excess occurred in some parts, particularly in south-west England, the western Midlands and the Channel Islands. APRIL was cold with persistent northerly winds during the first three weeks. Rainfall was deficient on the whole, the deficiency being pronounced in Scotland, north-west England and north-east Ireland. Sunshine was very excessive locally in Scotland, northern England and north-east Ireland, but deficient in southern and eastern England and southern Ireland. MAY was distinguished by a deficiency of rainfall; it was the driest month of the year for the country generally. There were marked variations in temperature but on the whole mean temperature for the month somewhat exceeded the average. Sunshine was excessive in Ireland, Scotland, north-west England and the Channel Islands and deficient for the most part elsewhere. JUNE was remarkable for the frequent and sometimes severe thunderstorms which were experienced particularly in England, Wales and parts of Ireland; they were accompanied locally by large hailstones and intense

falls of rain. On the other hand considerably less than the average rainfall occurred in Scotland, particularly in the north and east. The excess of sunshine in the east and north of Scotland was exceptional, but in the extreme south-west of Scotland and in the western districts of England and the Midlands there was a marked deficiency of sunshine. In spite of a very cool spell at the beginning of the month, mean temperature exceeded the average generally, the period 19th-22nd being notably warm.

JULY was cool, except in north and east Scotland and north-east England, markedly dull and excessively wet. Thunderstorms were unusually frequent and heavy local falls of rain in short periods of time were a feature of the weather of the month. In strong contrast to July, AUGUST was unusually dry, notably so in the west and south of England. Mean temperature exceeded the average generally; the first week was mainly cool, but warmer conditions prevailed subsequently and from the 23rd onwards, the days were in general really warm. Sunshine was variable but exceeded the average for the country as a whole. The first half of the month was dull in most districts but the period 23rd-29th inclusive was unusually sunny. The weather of SEPTEMBER was distinguished by a marked deficiency of sunshine in most districts. Rainfall, though variable, exceeded the average for the country generally and thunderstorms were frequent, while mean temperature was high for the season except during the last five days. OCTOBER was dry on the whole except in the west and north of Scotland and locally in north Ireland; sunshine was variable but exceeded the average for the country generally. Mean temperature slightly exceeded the average in Scotland and Ireland and was somewhat below the average in England and Wales. Strong winds and gales occurred frequently during the latter half of the month; the gale of the 26th-27th was particularly severe and destructive. NOVEMBER was dull in most districts. It was wet on the whole in England and Wales, the west and north of Ireland and locally in southern Scotland; less than the average rainfall occurred in the northern half of Scotland. Strong winds and local gales were frequent during the first 18 days, while the widespread and often thick fog which was experienced between the 19th and 28th was a notable feature of the weather of the month. DECEMBER was rather mild; it was sunny for the time of year in England and Wales and the east of Scotland. Rainfall was variable, but broadly speaking it was deficient in eastern districts of Great Britain and exceeded the average for the most part in the west and north-west of the British Isles. Gales occurred frequently, particularly in the west and north and were severe at times.

Pressure and Wind.—Mean pressure for the year was below the average except in the Shetland Islands, the deviation at 7h. varying from 0.0 mb. at

Lerwick to -2.4 mb. at St. Ann's Head. The deficiency was mainly due to the exceptionally low mean pressure experienced throughout the country in January, but large negative deviations occurred also in February, particularly in the south and west, and more generally in July.

As mentioned above, mean pressure in JANUARY was exceptionally low. At certain stations in England it was the lowest mean pressure for any month on record, while at Southport it was lower than in any month except December, 1876 since before 1872. The most widespread gales occurred from the 5th-6th, 9th-11th and 20th-21st, the one of the 9th-10th being the most severe. In FEBRUARY mean pressure was below the average generally, the deficiency being greatest in the southern half of the country and varying at 7h. from 11.4 mb. at the Scilly Isles to 0.8 mb. at Lerwick. Winds from some easterly point were more frequent than usual and gales were frequent on the west and south-west coasts and in the extreme north. A widespread and severe gale occurred in England and Ireland around the 10th-11th. Mean pressure in MARCH somewhat exceeded the average in the north of Scotland and was below the average in England and Ireland; the deviation at 7h. ranged from $+3.7$ mb. at Lerwick to -5.9 mb. at the Scilly Isles. Gales were on the whole infrequent for March. In APRIL mean pressure somewhat exceeded the average generally, the excess at 7h. varying from 4.6 mb. at Stornoway and 4.5 mb. at Malin Head to 0.3 mb. at Kew Observatory. Northerly winds were unusually persistent during the first three weeks. Mean pressure in MAY exceeded the average generally but the excess was so much greater in the north than in the south that the normal distribution was reversed, and mean pressure was highest northward of Scotland and lowest southward of England. Winds from some northerly or easterly point predominated and no noteworthy gales occurred. In JUNE mean pressure slightly exceeded the average in the extreme north of Scotland and was somewhat below average at most places elsewhere, so that the monthly mean pressure was rather uniform over the British Isles.

Mean pressure in JULY was substantially below the average generally, the deficiency at 7h. varying from 5.4 mb. at the Scilly Isles to 8.2 mb. at Wick. The prevailing winds were from between south-west and north-west; a notable gale occurred in southern England around the 18th. In AUGUST mean pressure exceeded the average generally, the excess at 7h. varying from 2.9 mb. at Lerwick and Wick to 5.6 mb. at the Scilly Isles. Local gales occurred at times, but no notable wind speeds were registered. In SEPTEMBER mean pressure somewhat exceeded the average in Scotland and Ireland, and was slightly below the average in most of England. In consequence the mean pressure map showed an almost uniform distribution over Scotland and northern and eastern England. A widespread gale occurred in England and Ireland around the 7th. Owing to the anticyclonic distribution during the first half of the month, mean pressure for OCTOBER exceeded the average, the excess varying from 0.2 mb. at Lerwick to 8.5 mb. at Scilly. In the latter half of the month strong winds and gales occurred frequently, the gale of the night of the 26th-27th being both violent and destructive. These disturbed conditions persisted during the first seventeen days of November, and in consequence mean pressure in NOVEMBER was slightly below the average generally. Strong winds and local gales occurred frequently from the 1st-18th, and gales were widespread in the west and north on the 29th and 30th. In DECEMBER mean pressure exceeded the average except in the extreme north of Scotland, the excess being greatest in the south; the deviation at 7h. varied from -3.5 mb. at Lerwick to $+7.7$ mb. at St. Mary's, Scilly. In consequence the mean pressure gradient over the British Isles was greatly increased, westerly winds predominated and gales (severe at times) occurred frequently, particularly in the north and west.

NOTEWORTHY GALES.—During a widespread gale on January 9th-10th, mean hourly speeds of 62 m.p.h. and 60 m.p.h. were registered at Kingstown and Pendennis Castle respectively on the 9th; among the highest speeds recorded in gusts were 92 m.p.h. at Bidston Observatory, 91 m.p.h. at the Lizard, 89 m.p.h. at Southport, and 88 m.p.h. at Manchester, Fleetwood and Catterick all on the 9th. In an easterly gale which prevailed in England and Ireland on February 10th-11th, mean hourly speeds of 67 m.p.h., 64 m.p.h. and 60 m.p.h. were recorded respectively at Pendennis Castle, the Lizard and Scilly on the 10th; on the same day gusts of 92 m.p.h., 90 m.p.h. and 88 m.p.h. were registered at Valentia Observatory, Pendennis and Scilly. A notable gale for the season occurred in southern England on July 18th. A speed of 87 m.p.h. was reached in gusts at Lerwick and Kirkwall on October 17th. One of the most severe and destructive gales of the year occurred in Scotland and north-west England on October 25th-26th; a mean hourly velocity of 67 m.p.h. was recorded at Bell Rock Lighthouse and at Tiree on the 26th, while gusts of 104 m.p.h., 94 m.p.h. and 88 m.p.h. were registered at Tiree, Bell Rock and Abbotsinch on the 26th, and 95 m.p.h. at Paisley and 87 m.p.h. at Eskdalemuir and Bidston on the 27th. In a gale on November 8th a gust of 87 m.p.h. was recorded at the Lizard and gusts of 92 m.p.h. and 87 m.p.h. were registered at Lerwick and Stornoway on November 30th. December was notable for frequent and sometimes severe gales, particularly in the north and west; the periods of strongest winds were the 3rd-6th and 16th-18th. A mean hourly velocity of 65 m.p.h. was registered at Bell Rock Lighthouse on the 4th, 64 m.p.h. at Stornoway and 62 m.p.h. at Tiree on the 16th and 62 m.p.h. at Lerwick on the 18th. Among the highest speeds recorded in gusts were 91 m.p.h. at Tiree on the 3rd, 99 m.p.h. at Bell Rock on the 4th, 90 m.p.h. at Point of Ayre on the 6th, 95 m.p.h. and 92 m.p.h. at Stornoway and Tiree on the 16th, 93 m.p.h. and 95 m.p.h. at Stornoway and Tiree on the 17th, and 94 m.p.h. at Lerwick on the 18th.

TEMPERATURE.—Mean temperature for the year very slightly exceeded the average on the whole, the deviation for districts 1-10 being $+0.3^{\circ}$ F. Marked deviations from the average occurred at different periods; interesting cold spells included January 12th-23rd, February 3rd-5th and 8th-14th, April 12th-23rd and October 4th-10th (particularly in south east England), and among warm periods were June 19th-22nd and August 23rd-31st. The period September 1st-25th was warm with some unusually high night minima, and March 19th-31st was mild.

In JANUARY mean temperature was below the average except in east and south-east England and the Channel Islands, the deficiency being greatest in Ireland and Scotland and amounting to 3.5° F. in Ireland, N. A notable

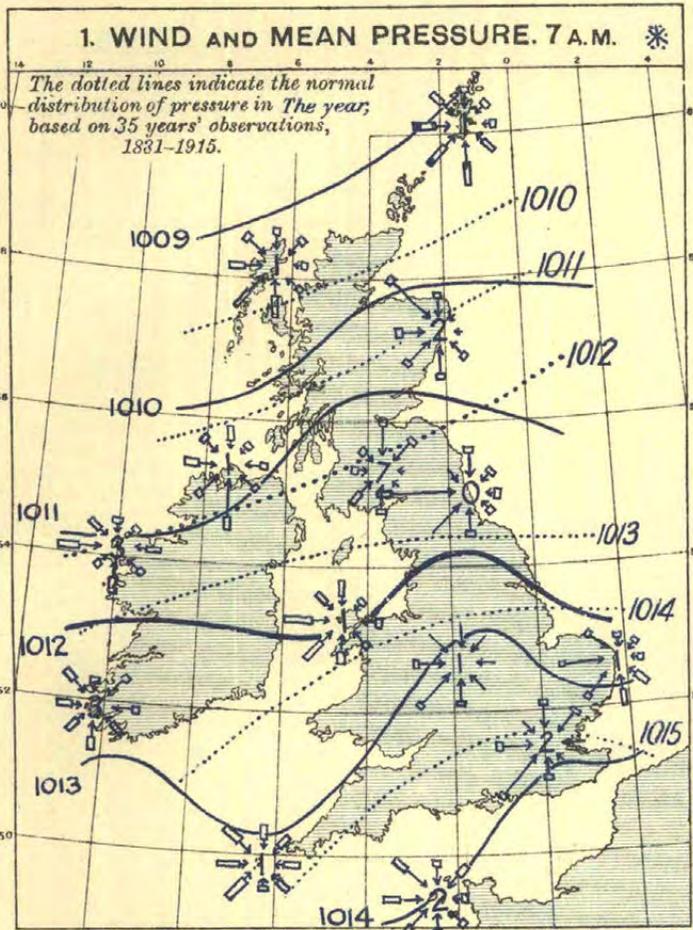
cold spell occurred from the 12th-23rd; screen minima of 10° F. or below were registered locally in Great Britain on the 19th and 20th. The highest temperatures occurred generally around the 9th; 58° F. was recorded at Stratford-on-Avon, London (Westminster), Llandudno and Bath on the 9th, and 57° F. at Glasnevin (County Dublin) on the 8th. FEBRUARY was cold, mean temperature being below the average in all districts; the deficiency was greatest in England, N.E. (3.3° F.) and the Midlands (3.1° F.). The coldest spells were, as a rule, the 3rd-5th and 8th-14th. Among low screen minima were 5° F. at Braemar and 6° F. at Balmoral on the 5th and 13th, and 7° F. at Rickmansworth on the 12th and at Dalwhinnie on the 13th. A thin layer of ice formed on the sea and extended 20 feet out at Shoeburyness on the 11th. MARCH was mild on the whole, the deviation from the average for districts 1-10 being $+2.1^{\circ}$ F. The period 19th-31st was very mild; day temperature reached or exceeded 60° F. at numerous stations on one or other of these days and touched 65° F. at Fort William and Kelso on the 22nd and at Cranwell and in parts of London on the 21st. The first four days, however, were cold; for example, temperature in the screen fell to 11° F. at Braemar, 12° F. at Logie Coldstone and 13° F. at Balmoral on the 3rd and to 18° F. at Rickmansworth and 19° F. at Usk on the 4th. In strong contrast to March, APRIL was cold; mean temperature was below the average in all districts, the greatest deficiency being 2.4° F. in England, S.E. It was the coldest April at West Kirby since 1917 and at Hampstead, Ross-on-Wye and Teignmouth since 1922. The lowest minima were recorded as a rule on one of the days from the 12th-23rd. A change to milder conditions occurred on the 24th and 65° F. was reached or exceeded locally in England on the 25th, 28th and 29th. Mean temperature in MAY somewhat exceeded the average over the country as a whole. There were marked fluctuations of temperature. Warm spells occurred around the 6th (particularly in south-east and east England), from the 10th-19th and around the 26th; 80° F. was reached at one or two stations in England, on the 17th and 18th. Cold spells included the 1st-4th, 21st-23rd and 28th-31st. In JUNE, mean temperature exceeded the average generally, the excess for districts 1-10 being 1.6° F. The first week was, however, unusually cool; on the 5th, temperature in the screen fell to 25° F. at Dalwhinnie, 26° F. at Braemar and Balmoral, 27° F. at West Linton, and 28° F. at Markree Castle, while the maximum, 46° F. at West Kirby on the 3rd was the lowest recorded there in June since records began in 1904. The latter half of the month was, on the whole, much warmer than the average, the period 19th-22nd being notably warm; temperature rose to 89° F. in London (Camden Square) on the 20th and 21st.

In JULY mean temperature exceeded the average in Scotland, N., Scotland, E. and England, N.E., and was below the average in other districts. At numerous stations in southern England, south Wales and the Midlands, the deficiency was 2° F. or more; this deficiency was mainly due to persistently cool days, the absence of really warm days being a striking feature of the weather of the month. Mean temperature in AUGUST exceeded the average generally, the excess for districts 1-10 being 1.8° F. The first week was cool in most districts especially in south-east and east England; warmer conditions prevailed subsequently and the period 23rd-31st was, for the most part, really warm. In SEPTEMBER mean temperature substantially exceeded the average in all districts. The period 1st-25th was warm, the nights as well as the days being mild; at numerous places the highest minimum of the year was recorded during this period, while the mean minimum for the month at Oxford was the highest there for September since records were first taken in 1881. Temperature fell on the 26th and cool conditions persisted until the end of the month. Mean temperature for OCTOBER, though variable, slightly exceeded the average in Scotland and Ireland, and was somewhat below the average in England and Wales, particularly in the east and south-east. The period 5th-10th was very cold in some districts, and the 29th was also a cold morning. From the 14th onwards conditions were mainly rather mild. In NOVEMBER mean temperature was somewhat variable, but differed little from the average for the country generally. A cold spell was experienced in many parts from about the 20th-27th. Persistent fog was responsible for low day temperatures in some places; maxima below 32° F. were registered locally in England on the 22nd, 23rd and 24th. Mean temperature in DECEMBER exceeded the average in all districts, the excess for districts 1-10 being 1.4° F. A cold spell occurred from the 6th-13th and the 28th was also cold. The remainder of the month was mainly mild. The 17th and 18th were unusually mild for the time of year; for example, on the night of the 17th-18th the minimum at Attenborough was 54° F.

The extremes for the year were:—(England and Wales) 89° F. at London (Camden Square) on June 20th and 21st, 7° F. at Rickmansworth on February 12th; (Scotland) 87° F. at Forres on June 21st, 5° F. at Braemar on February 5th and 13th; (Ireland) 80° F. at Glasnevin on August 29th, and at Cork on August 31st, and 18° F. at Aldergrove and Newtownforbes on January 19th.

PRECIPITATION.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 105, the values for the constituent countries being, England and Wales 109, Scotland 96 and Ireland 103. In Scotland, 1936 ranks as the driest year since 1922, with the one exception of 1933.

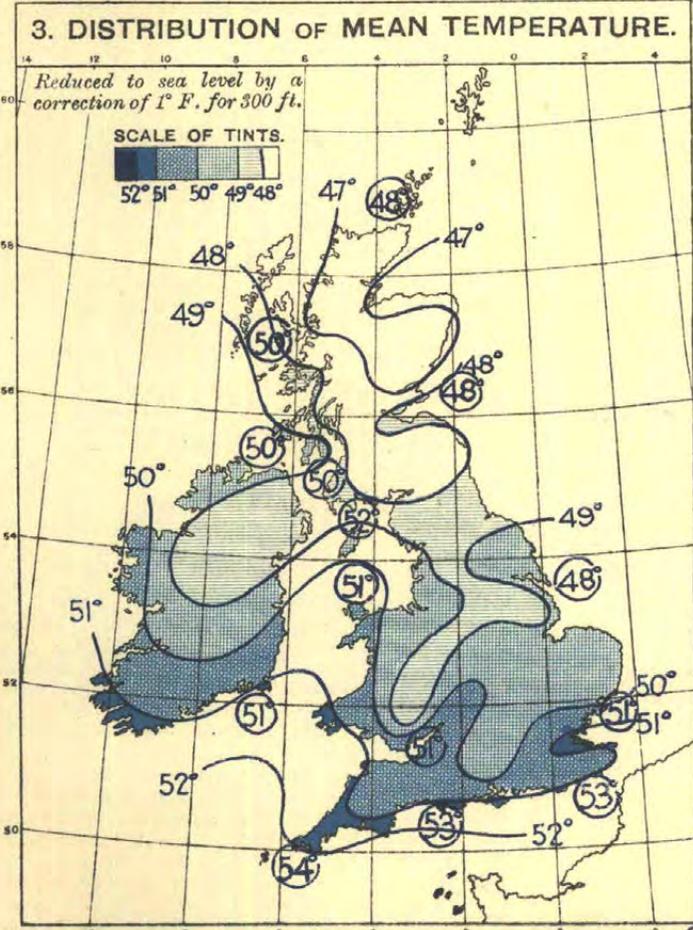
In England and Wales less than the average rainfall was confined mainly to the neighbourhood of the Bristol Channel, parts of north-west England and a few small isolated areas elsewhere, while less than 90 per cent. of the average occurred locally in Glamorgan and near Bideford, N. Devon. More than 120 per cent. of the average occurred in some areas in the Midlands, north Wales and a few other rather isolated places, while more than 130 per cent. was received locally in north Wales. In Scotland less than 90 per cent. occurred at some places in the Western Isles, in a belt across the central section of the Caledonian canal to Aberdeenshire and Banffshire and in parts of Perthshire; less than 80 per cent. was measured locally in Morayshire. On the other hand, more than 110 per cent. was received in small areas in Dumfriesshire and Argyllshire. In Ireland less than 90 per cent. occurred locally in the south-west and more than 110 per cent. in some inland areas in the southern half of the country, in a small area around Gorey, County Wexford and in parts of Counties Tyrone and Londonderry.



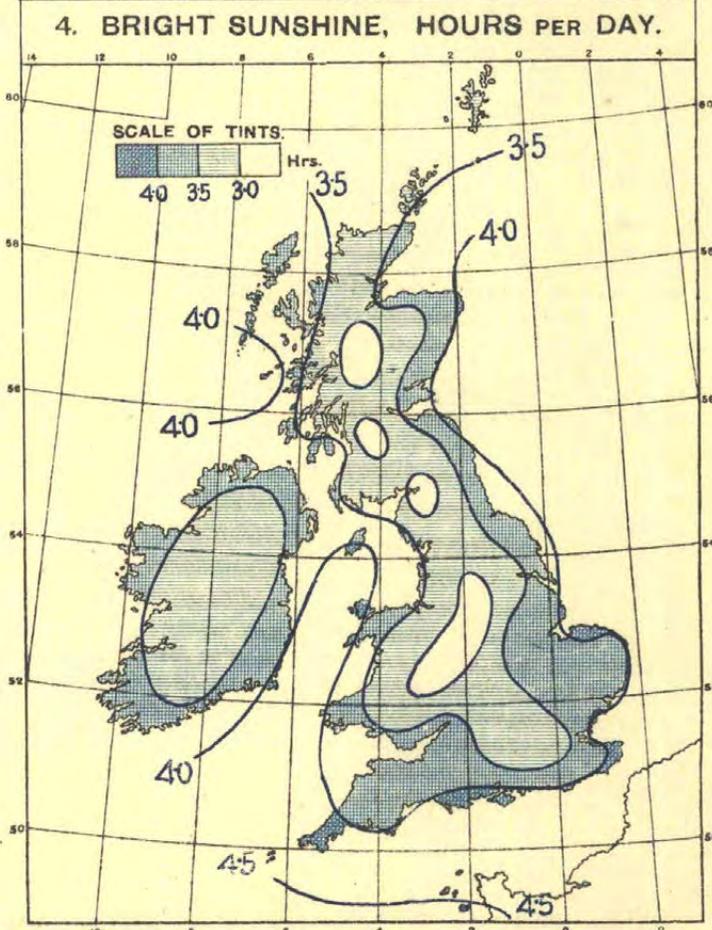
WIND ROSES. The arrows fly with the wind and indicate the mean monthly frequency and force, thus;
 LIGHT TO STRONG
 ← 30 Obs^{ns} = 1 Inch →



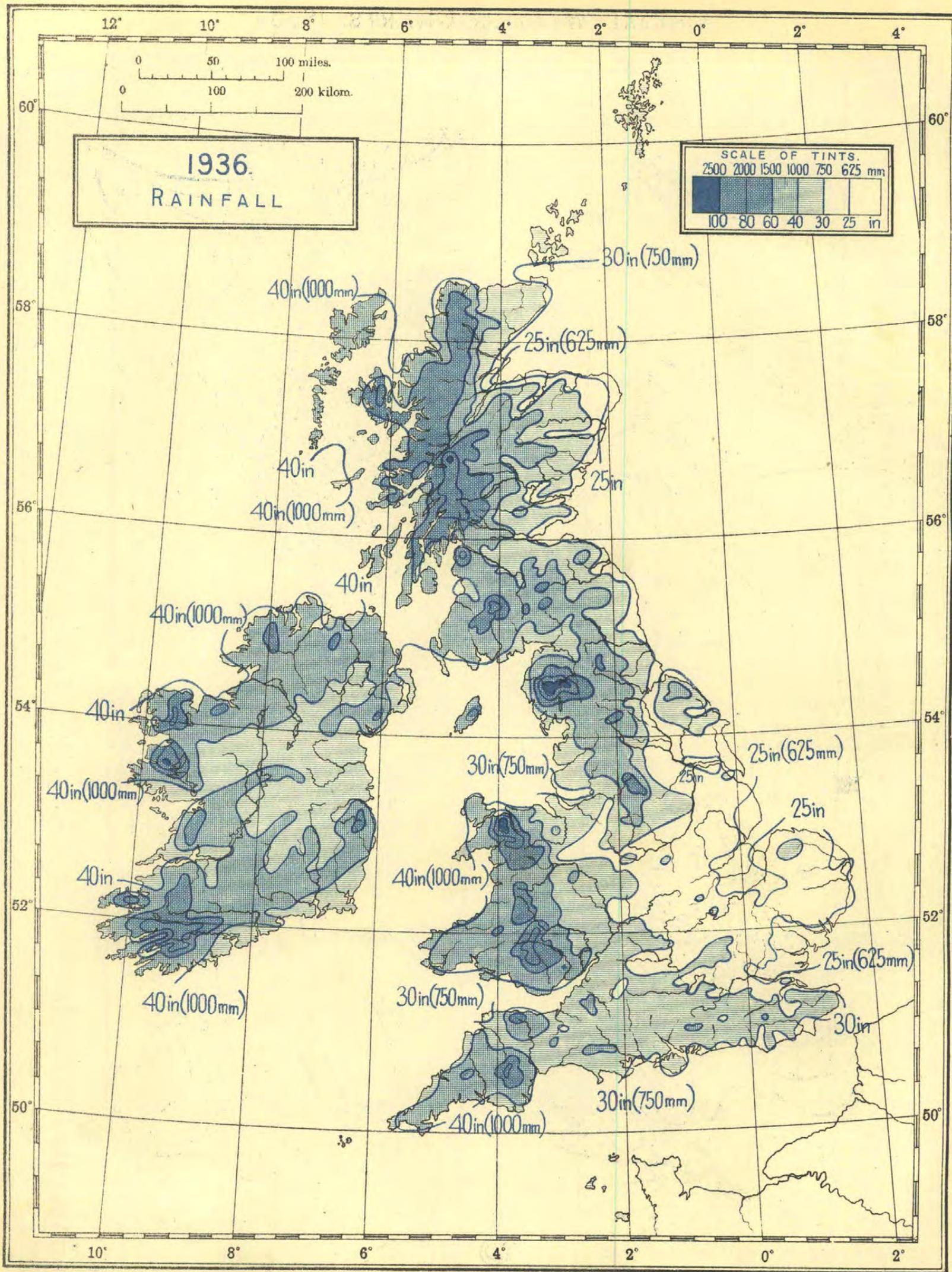
The figures indicate the number of depressions following each track. A number of tracks have been omitted.



Sea temperatures are shown in large figures, thus: 50°



*Pressure in millibars.



1936.
RAINFALL

SCALE OF TINTS.
2500 2000 1500 1000 750 625 mm
100 80 60 40 30 25 in

With regard to individual months, over the British Isles as a whole, the wettest months of the year were January and July with 6.2 in. and 5.9 in., and the driest months May and August with 1.5 in. and 1.9 in. respectively. Of the remaining months more than the average was recorded in February, June, September and November, less than the average in March, April and October and slightly less than the average in December.

The intense falls of rain recorded locally in thunderstorms during June and July were noteworthy, while floods resulted from the heavy rain which fell during the middle period of December.

Heavy falls in 24 hours or less included:—

January 9th	...	85 mm. at Forrest Lodge, Dalry (Kirkcudbrightshire).
June 20th	...	101 mm. at Ciliau Aeron (Cardigan).
June 21st	...	101 mm. at St. Albans and 80 mm. at Rothamsted.
July 17th	...	87 mm. at Forrest Lodge (Kirkcudbrightshire).
September 4th	...	91 mm. at Poolewe (Ross and Cromarty).
October 17th	...	104 mm. at Kinlochquoich (Inverness-shire).
October 24th	...	135 mm. at Watendlath (Cumberland), and 116 mm. at Borrowdale (Cumberland).
December 13th	...	117 mm. at Trecastle (Brecon), and 95 mm. at Oughtershaw (Yorkshire).
December 17th	...	90 mm. at Holne (Devon).
December 19th	...	124 mm. at Achnacarry (Inverness-shire). 107 mm. at Glendessary and Kinlochquoich (Inverness-shire) 106 mm. at Ardour. (Argyllshire) and 97 mm. at Fort William.
December 20th	...	114 mm. at Ceannacroc Lodge (Inverness-shire).

Thunderstorms.—A severe thunderstorm occurred in the Dunstable district on May 6th; hailstones were in some instances fully an inch in diameter, and at Houghton Regis 53 mm. of rain fell in 45 minutes. Thunderstorms occurred frequently during the summer months, particularly in June, July and September. They were accompanied at times by intense falls of rain and very large hailstones. (See Meteorological Magazine for July and August, 1936.) Among heavy falls in short periods of time, chiefly associated with thundery conditions, may be mentioned, 53 mm. at Houghton Regis in 45 minutes on May 6th, 20 mm. in 26 minutes at South Farnborough on June 20th, 38 mm. in 30 minutes at Rothamsted on June 21st, 59 mm. in 90 minutes at Ashbourne, Derbyshire on June 25th, and 50 mm. in 20 minutes at Bristol (Waterworks, Clifton), and 76 mm. at Bodmin in 60 minutes on June 29th, and 81 mm. at Florencecourt (Co. Fermanagh) in 180 minutes on June 30th. In July, 78 mm. fell at Northwood in about 30 minutes on the 7th, 57 mm. in 80 minutes at Eastbourne on the 10th, and 74 mm. at Auchnafree, Perthshire (nearly all of which fell in under an hour) on the 17th. On August 10th, 66 mm. fell in 75 minutes at Leatherhead and 50 mm. in just over 90 minutes at Leyland. In September 15 mm. fell in 9 minutes at Hayward's Heath on the 5th, and 79 mm. between midnight and 8 a.m. at Berkhamsted on the 20th.

Snow.—A notable snowstorm occurred in Scotland, north-east Ireland, northern England and the northern Midlands on January 19th-20th. In inland districts of Scotland depths of undrifted snow were commonly reported as being between 6 inches and 9 inches. The storm was most severe on high ground; at Bellingham (Northumberland) the depth of the snow was 12 inches on the 20th and 9 inches from the 21st-24th; at Buxton it was 18 inches on the 22nd and at Bingley (Yorkshire) 10 inches on the 20th. In February sleet or snow occurred fairly frequently. At Balmoral and Braemar snow lay each day throughout the month; on the 5th, the depth was 5½ inches at Balmoral and 3 inches at some places in north-west England. A fairly heavy fall of snow occurred on high ground in north-east England and the south-eastern uplands of Scotland on the last two days of February and the opening days of March; it was accompanied locally by considerable drifts. Snow lay at Bellingham until March 5th, at Peebles, West Linton and Wolfelee until the 8th, at Balmoral until the 11th and at Braemar until the 17th. Snow or sleet occurred at times in April, particularly between the 11th and 22nd. On September 26th a light covering of snow fell on the peaks of the Cairngorms and the higher hills in Scotland. Snow or sleet occurred locally in the north of Scotland on each day from October 14th-22nd and was rather widely reported in Scotland from the 25th-27th. Snow was reported locally at times in Scotland and northern England in November, and locally in Scotland on most days from December 1st-22nd. It was widespread in

Scotland during the first week of December and was heaviest there between the 4th and 6th when roads were blocked in the west and north. In England and Wales snow or sleet was reported at times in December, chiefly between the 5th and 8th and on the 11th and 12th and in Ireland locally on the 5th, 6th and 12th.

Sunshine.—Sunshine was deficient on the whole, the percentage of the average for districts 1-10 being 93 (see Table 1).

The marked deficiency of sunshine in most of England and Wales was noteworthy, particularly in the southern half of the country; for example, at Eastbourne it was the dullest year since 1913, and at Ross-on-Wye since 1920, while the totals at Rothamsted, Shoeburyness, Lympe and Croydon were the lowest since records were first taken in 1891, 1919, 1921 and 1922 respectively. In strong contrast was the considerable excess enjoyed in parts of northern and eastern Scotland; the excess amounted to 165 hours at Kirkwall, 135 hours at Aberdeen, 107 hours at Nairn and 100 hours at Stornoway. For the country as a whole the sunniest months compared with the average were February, April, August, October and December and the dullest March, July and September. June was exceptionally sunny in the east and extreme north of Scotland; at Aberdeen the total, 274 hours, was the highest monthly total ever registered there in a record back to 1881. In Scotland, northern England and at certain stations in the north of Ireland, sunshine was very excessive in April. Abundant sunshine was enjoyed during the period August 22nd-29th, and December was unusually sunny in most of England and east Scotland; at Dover, Gorleston and Shoeburyness it was the sunniest December since records were first taken in 1907, 1908 and 1919 respectively. On the other hand, March, July and September were exceedingly dull; at Southport and Phoenix Park, Dublin, it was the dullest March in records back to 1892 and 1881 respectively, at Birr Castle it was the dullest July since before 1881, and at Oxford and Kew Observatory, September was the dullest month of that name in records back to 1881 and 1880 respectively. The contrast in December between the total sunshine registered in the east and west of Scotland was very remarkable; the totals for the month were 65 hours at Craibstone and 58 hours at Forres and Montrose, whereas only 1 hour was recorded at Fort William and 3 hours at Onich.

Fog.—The widespread, persistent and often dense fog which occurred between November 19th-28th, particularly in parts of Northern England and the Midlands, was an interesting feature of the weather of the year.

Local fog was of fairly frequent occurrence during the first three months; it was widespread and thick in many places on February 15th-16th and widespread in England and thick in many places on March 4th. Fog occurred at times during the months April to August. In September fog occurred rather frequently; it was widespread in England on the 22nd and 23rd and persisted all day in the western English Channel on the 22nd. Local fog occurred at times in October and was of frequent occurrence in November. In December fog was recorded at times chiefly during the periods 8th-13th and 23rd-29th. It was widespread in England on the 9th, 10th and 26th.

Miscellaneous Phenomena.—The aurora was observed in Scotland in each month except June, July and August; it was seen most frequently in April and was observed as far south as Holyhead on April 20th.

An interesting halo phenomenon was noted at Sealand on March 20th and an unusually brilliant circumzenithal arc was reported at Aberdeen on March 24th. A lunar cross was observed at Waringstown (Co. Down) on April 6th, a rainbow with a vertical shaft was seen near Staffin, Isle of Skye, on July 7th and a lunar glory was observed at Street (Somerset) on the night of September 3rd-4th. A mirage was noted off the south coast between Bexhill and St. Leonards on June 17th. During a thunderstorm at Newbury on January 10th there was a single flash of lightning; a 70 ft. tree was struck and windows in all houses near the tree were blown out. Snow was reported on the Brecon Beacons on June 3rd. In the early morning of July 28th a small whirlwind swept from Seaton up the Axe Valley. Funnel clouds were observed at Hastings on July 10th and at Felixstowe on September 5th; a waterspout was observed in the English Channel off Newhaven on July 10th and at the Scilly Isles on November 10th, while five waterspouts were seen at sea between Sheerness and Dover during the period September 28th-October 2nd. Interesting examples of glazed frost occurred at Fareham and Niton, Isle of Wight, on February 11th, and glazed frost was rather widespread in south-east England and the Midlands on December 8th.

TABLE I.—DISTRICT VALUES FOR THE WHOLE YEAR, 1936. [1908, REVISED 1928.]

DISTRICTS.	AIR TEMPERATURE.			EARTH TEMPERATURE.		RAINFALL.		SUNSHINE.	
	High-est.	Low-est.	Daily Mean Difference from Average.	At 1 ft. Difference from Average.	At 4 ft. Difference from Average.	Per-centage of Average.	No. of Days Difference from Average.	Per-centage of Average.	Per-centage of Possible Duration.
o. SCOTLAND, N.	° F. 84	° F. 7	° F. +0.7	° F. —	° F. —	% 87	— 22	% 107	% 29
Eastern. SCOTLAND, E.	87	5	+0.4	—	—	95	— 5	103	31
ENGLAND, N.E.	84	11	+0.2	+0.4	+0.2	108	— 7	99	30
ENGLAND, E.	88	7	+0.1	+0.1	+0.1	110	+ 2	87	31
MIDLAND COUNTIES.	86	9	+0.1	— 0.1	+0.1	110	0	88	27
s. ENGLAND, S.E.	89	16	+0.1	+0.4	+0.4	105	+ 1	89	32
Western. 6. SCOTLAND, W. (and I. of Man)	86	8	+0.5	+0.3	+0.1	105	— 2	96	27
7. ENGLAND, N.W. (and N. Wales)	88	9	+0.3	+0.3	+0.1	105	+ 3	93	30
8. ENGLAND, S.W. (and S. Wales)	85	15	+0.3	+0.1	+0.1	101	+ 12	85	30
9. IRELAND, N.	78	18	+0.3	— 0.1	— 0.2	105	— 10	97	28
10. IRELAND, S.	80	19	+0.2	— 0.2	— 0.3	98	+ 4	93	29
11. CHANNEL I. (and Scilly)	81	28	+0.3	— 0.2	— 0.2	108	— 4	92	38
Mean: DISTRICTS 1-10	89	5	+0.3	+0.1	+0.1	104	0	93	29

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1936. [1914].

The Summary showing the duration of Winds between stated limits of velocity, with Extreme Velocities, at anemograph stations, will und as Table XI, p. 191, in the Wind Section.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1936.

Table with columns: DISTRICT, COUNTY AND PLACE; Terminal Hours of Observation; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean of A and B, Difference from Average, Absolute Maximum and Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Difference from Average, Most in a day); Weather (Precip'n., Snow, Snow lying, Hail, Thunderstorm, Fog, Ground Frost, Gale); Bright Sunshine (Hours per day, Daily Mean, Difference from Average, Per cent.).

§§§ - See Notes on Tables on page 183 of this issue.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1936.

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit; Earth Temperature; Rainfall; Weather; and Bright Sunshine. Rows include locations like Isle of Man, Northumberland, Durham, Yorkshire, Norfolk, Suffolk, Cambridge, Bedford, Hertford, Essex, and Nottingham.

† At Scarborough the earth thermometer is at a depth of 3 ft. ** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft. ‡ See Notes on Tables on page 183 of this issue.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1936.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.					
	Max.	Min.	Rain.		Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.	1 ft.	4 ft.	Total Fall.	Difference from Average.	Most in a day.		Precip'n.		Snow lying.	Hail.	Thunderstorm.	For (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.							
					A Max.	B Min.							Amount.	Date.	0.2 mm. or more.	1 mm. or more.							Daily Mean.	Difference from Average.	Per cent.					
4. MID. COUNTIES—cont.																														
Leicester.	Belvoir Castle	G. M. T.	21 21 9	259	55.1	41.8	48.5	+0.5	83	10	49.4	49.7	28.47	723	+ 85	34	7 July	171	133							126		3.76	-0.34	31
Northampton.	Oundle		9 9 9	147	55.5	41.1	48.3	0.0	85	16	49.7	50.1	25.61	651		27	7 July	195	127	10	5	0	7	30	102		3.67	-0.20	30	
Warwick.	Birmingham	¶§	18-7 7	535	54.0	43.0	48.5	0.0	82	24	47.2	48.6	32.51	826	+152	36	9 July	190	150	26	10	12	22	34	76	0	3.09	-0.47	25	
	Sparkhill	¶§	7 13 7	425	55.6	41.7	48.7	+0.1	84	14			32.92	836	+122	32	9 July	189	150	23	11	11	21	52	120					
	Coventry		9 9 9	241	55.5	40.8	48.1	-1.0	83	11	50.2	50.9	27.94	710	+ 49	26	{ 9 July }	192	144	13	3	4	15	26	110		3.07	-0.56	25	
	Rugby		21 21 9	390	56.2	40.0	48.1		82	13			27.16	690		42	21 June	189	133	13	(6)	4	12			117				
	Stratford-on-Avon.		9 9 9	210	55.9	41.1	48.5		82	14			23.08	586		20	{ 2 June }	192	123	18	4	6	20	26			3.24		27	
Oxford.	Oxford	¶§	9 9 9	208	56.6	42.5	49.5	-0.1	83	21	50.6	51.1	25.71	653	+ 22	38	20 Sept.	179	132	19	4	18	18	36	87	7	3.50	-0.60	29	
Bucks.	Halton		9 9 9	544	55.1	41.9	48.5		84	18	49.7	49.7	30.50	775		35	20 Sept.	181	138	17	8	4	15	30	125		3.43		28	
	Mursley		9 9 9	490	54.7	41.0	47.9		82	19	48.2		25.81	656	+ 3	26	2 July	174	117								3.35		27	
Stafford.	Mayfield		9 9 9	374	54.4	39.9	47.1	+0.2	82	9			34.03	864	+ 44	20	18 July	203	153	24	18	13	20		112		3.12	-0.47	26	
Shropshire.	Newport		9 9 9	211	55.1	40.9	48.0		81	11			28.07	713	+ 83	45	21 June	194	132	13	6	2	14	25	109		3.21		26	
	Shrewsbury		9 9 9	184	55.5	41.1	48.3	-0.6	81	11	49.7	50.4	27.32	694		27	25 Sept.	199	132	13	6	6	15	21	121	8	3.10		25	
Worcester.	Malvern		9 9 9	380	55.4	44.0	49.7	+0.4	83	22	49.5	49.7	33.13	841	+141	25	17 Feb.	187	132	16	7	2	12	25	64		3.72	-0.51	30	
	Worcester (Perdiswell)		9 9 9	94	56.7	41.3	49.0		84	18			28.92	735		29	23 Mar.	188	136	15	1	9	17		116		3.35		27	
Hereford.	Bromyard		9 9 9	393	55.3	40.7	48.0	-0.2	82	14	49.5	49.6	33.66	855		31	29 June	194	151	18	11	5	7	58	99					
	Hereford		9 9 9	292	55.5	41.4	48.5	-0.1	81	13			34.56	878	+178	35	13 Dec.	198	149	11	10	5	(10)	15	86	12				
	Ross-on-Wye	¶§	18-7 7	223	55.6	43.0	49.3	-0.4	83	14	50.1	50.6	33.14	842	+125	33	13 Dec.	187	133	16	5	15	18	36	105	5	3.46	-0.59	28	
Gloucester.	Bristol (Horfield)		18-7 7	206	56.4	43.7	50.1		85	23	51.2	51.5	36.22	920		51	29 June	214	159	18	7	18	12	12	69	9				
	Cheltenham		21 21 9	214	56.3	42.4	49.3	-0.4	84	21	50.8	51.8	30.20	767	+ 94	34	20 June	196	148	16	6	12	19	27	103	1	3.52	-0.56	29	
	Cirencester		9 9 9	443	54.9	40.8	47.9	0.0	84	20			31.53	801		29	12 Sept.	191	153	(13)	(3)	(13)	6	(19)	117		3.63		30	
	Parkend		9 9 9	325	55.1	40.8	47.9		84	17	49.1	49.4	41.57	1056		31	14 Dec.	192	151	15	8	4	12	24	131		3.58		29	
5. ENGLAND, S.E.																														
London.	City, Bunhill Row.																										2.97	-0.32	24	
	Camden Square		9 9 9	110	57.6	44.9	51.3	+0.3	89	22	50.4	50.6	25.69	652	+ 30	26	25 June	180	128	14	1	2	13		73					
	East Ham		9 9 9	15	57.3	44.7	51.0	+0.8	84	21			22.14	562	- 4	19	11 Nov.	172	131											
	Enfield		9 9 9	148	57.3	43.3	50.3	+0.4	87	22			50.5	631	+ 2	21	11 Nov.	175	134	14	3	6	16	32	(56)		3.43		28	
	gGreenwich		24 24 9	149	57.6	43.3	50.5	+0.2	88	19	50.6	50.9	24.60	625	+ 29	30	20 Sept.	187	130	18	3	8	16	41	92	2	3.20	-0.81	26	
	Hampstead		9 9 9	450	55.1	41.9	48.5	-0.5	84	19			27.65	702		26	20 Sept.	186	133	21	6	4	17		141		3.39	-0.69	28	
	Kensington		18-9 9	80	56.7	45.4	51.1	-0.1	86	24	51.3	51.4	24.69	627	+ 12	29	20 Sept.	174	133	9	3	2	11	45	79	1	3.19		26	
	Kingsway																										3.06		25	
	Regent's Park		9 9 9	129	57.2	44.6	50.9		87	23			25.08	637		27	20 Sept.	173	128	14	0	1	14	39	49		3.07	-0.50	25	
	Kew	¶§	24 24 24	18	56.6	44.3	50.5	+0.3	85	22	50.6	51.1	23.74	603	- 3	21	31 Oct.	168	123	12	2	5	19	28	86	1	3.57	-0.44	29	
	Observatory		18-7 7		56.4	44.9	50.7	-0.2																						
	Tottenham	††¶§	21 21 9	51	57.8	45.6	51.7	+0.8	87	23			52.5	23.63	600	+ 8	21	{ 9 Jan. }	161	123	5	0	0	5		36		3.44	-0.43	28
Surrey.	Westminster		9 9 9	27	57.5	45.5	51.5	+0.2	85	26			24.45	621	+ 53	27	20 Sept.	171	126	8	0	2	10		54		3.14	-0.47	26	
	Addington		9 9 9	472	55.2	42.9	49.1	+0.3	84	21			32.86	835		29	11 Nov.	188	141	10	3	0	8	41						
	Croydon		18-7 7	217	56.4	44.4	50.4	+0.2	86	19			30.18	767	+ 88	31	14 Dec.	188	135	19	3	6	11	28	60	2	3.42	-0.82	28	
	Wisley		9 9 9	150	56.7	42.7	49.7	0.0	84	19	51.3	51.5	28.02	712		22	11 Nov.	183	133	10	3	3	8	34	132	8	3.39	-0.82	28	
Kent.	Biggin Hill		18-7 7	567	54.2	43.6	48.9	+0.3	82	17			32.59	828	+ 29	27	31 Oct.	193	145	22	6	15	16	40	80	6	3.90	-0.58	32	
	Bromley		9 9 9	213	56.9	43.5	50.2		87	18			25.39	645	+ 30	24	14 Dec.	171	128	12	4	3	8	27	88					
	Canterbury		9 9 9	135	56.9	43.5	50.2	-0.1	85	16	51.3	51.1	26.15	664		23	14 July	168	123											
	Dover		9 9 9	22	56.1	46.1	51.1	+1.2	81	25	52.3	53.0	32.73	831		32	14 July	180	136	8	0	10	13	11	21	4	4.38	-0.42	36	
	Dungeness		18-7 7	20	55.6	44.3	49.9	-0.4	77	22			28.10	714	+ 95	25	21 June	176	134	5	0	6	20	23		5				
	East Malling		9 9 9	132	56.3	41.9	49.1		85	17			28.57	726		28	28 June	175	137	9	2	6	14	21	99	1	3.67		30	
	Folkestone		9 9 9	101	55.7	45.1	50.4	+0.2	84	24			32.55	827		34	14 July	178	132	6	0	10	19	14	54		4.27	-0.58	35	
	Goudhurst		9 9 9	290	56.1	41.8	48.9		84	17			34.29	871		29	11 Nov.	198	144	8	2	3	22	23	106					
	Lympne		18-7 7	346	54.6	43.6	49.1	+0.2	83	22			29.98	761	+ 39	32	14 July	182	140	12	4	11	24	30	78	4				

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1936.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.					Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.									
	Max.	Min.	Rain.		Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Difference from Average.	Most in a day.		Precip'n.	Snow.	Snow lying.	Hail.	Thunderstorm.	For (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.									
					A Max.	B Min.		Amount.	Date.					0.2 mm. or more.	1 mm. or more.									Daily Mean.	Difference from Average.	Per cent.							
	G. M. T.	ft.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	For (Morn'g Obs.)	Ground Frost.	Gale.	hr.	hr.	%						
5. ENGLAND, S.E.—cont.																																	
I. of Wight.																																	
Newport	9	9	9	48	58.2	43.3	50.7	—	83	22	—	—	37.00	940	—	47	11 Nov.	177	140	4	0	12	16	21	82	—	—	—	—	—	—		
Ryde	9	9	9	13	56.6	45.9	51.3	+0.2	79	28	—	—	31.27	794	—	55	11 Nov.	166	122	2	0	3	8	8	—	6	4.45	-0.29	36	—	—		
Sandown	9	9	9	13	56.5	46.1	51.3	0.0	78	28	—	—	32.76	832	—	40	{ 18 June 11 Nov. }	182	134	3	2	4	9	0	—	—	4.90	-0.06	40	—	—		
Totland Bay	9	9	9	140	55.8	45.2	50.5	0.0	79	25	—	—	29.33	745	+ 20	31	11 Nov.	183	129	5	0	3	14	19	55	25	4.36	-0.47	36	—	—		
Ventnor (Hospital)	9	9	9	59	56.5	46.6	51.5	0.0	78	29	—	—	32.88	835	+101	35	11 Nov.	181	136	8	1	10	12	—	—	7	4.74	-0.11	39	—	—		
Wilts.																																	
Amesbury (Boscombe Down)	18-7	7	7	417	55.3	42.3	48.8	—	83	22	—	—	29.71	755	—	47	20 Sept.	181	136	11	2	10	16	37	87	2	3.87	—	—	—	—		
Larkhill	9	9	9	440	55.4	41.3	48.3	-0.4	84	22	—	—	28.40	721	+ 72	33	20 Sept.	182	142	14	3	8	14	20	95	14	—	—	—	—	—	—	
Marlboro'	9	9	9	424	55.7	40.2	47.9	0.0	83	19	50.0	50.6	33.38	848	+ 57	24	28 Jan.	192	148	9	2	1	5	27	131	18	3.49	-0.30	29	—	—	—	
Porton	9	9	9	363	55.9	40.5	48.2	-0.2	83	20	49.4	—	29.42	747	+ 75	37	20 Sept.	177	129	9	2	5	11	11	100	4	4.02	—	—	—	—	—	
7a. ENGLAND, N.W.																																	
Cumberland.																																	
Keswick	9	9	9	254	54.6	41.8	48.1	+0.1	83	13	48.2	48.7	56.70	1440	+ 46	61	24 Oct.	189	162	27	17	12	11	3	82	5	3.29	-0.03	27	—	—	—	
Newton Rigg	21	21	9	560	53.6	39.7	46.7	+0.4	84	15	—	—	34.62	879	- 45	30	{ 24 Sept. 13 Dec. }	196	143	30	24	11	10	7	133	9	3.38	-0.36	28	—	—	—	
Westmorland.																																	
Ambleside	9	9	9	145	54.6	41.1	47.9	—	85	15	—	—	67.90	1725	—	60	13 Dec.	208	175	21	15	9	7	5	—	—	3.11	—	—	—	—	—	
Appleby	9	9	9	440	53.7	39.5	46.6	+0.6	83	14	—	—	37.09	942	+ 52	39	9 Jan.	197	154	26	13	2	13	—	—	—	—	—	—	—	—	—	
Lancashire.																																	
Bolton	9	9	9	342	54.3	42.5	48.4	+0.4	85	19	—	48.2	47.46	1205	+110	32	14 Dec.	210	167	17	25	12	13	—	56	—	2.86	+0.09	23	S	—	—	
Burnley	9	9	9	458	53.3	41.3	47.3	+0.4	82	13	47.7	48.1	43.04	1093	—	41	13 Dec.	207	158	24	17	6	11	35	98	—	2.51	-0.54	21	S	—	—	
Darwen	21	21	9	724	53.5	41.3	47.4	+0.7	84	21	48.0	47.3	56.65	1439	+166	44	10 Nov.	238	180	45	22	16	21	41	85	—	2.97	-0.17	24	S	—	—	
Hutton	9	9	9	82	54.8	42.1	48.5	+0.5	85	16	48.7	49.1	36.48	927	—	33	13 Dec.	179	144	12	10	14	10	17	104	6	3.18	-0.40	26	—	—	—	
Lancaster	9	9	9	312	55.2	42.6	48.9	+0.5	86	21	—	—	39.58	1005	- 29	36	13 Dec.	194	149	8	5	7	9	35	64	2	3.52	-0.26	29	—	—	—	
Leyland	9	9	9	125	54.9	41.5	48.2	+0.3	84	17	—	—	41.50	1054	+168	50	10 Aug.	197	149	10	9	10	16	29	102	—	3.28	-0.36	27	—	—	—	
Manchester—																																	
(Barton)	18-7	7	7	70	55.1	42.3	48.7	—	85	9	—	—	31.81	808	—	28	3 Sept.	201	143	23	7	9	12	57	96	4	3.16	—	—	—	—	—	
(Oldham Road)	21	21	9	191	55.5	45.1	50.3	+0.6	88	22	49.4	50.5	34.13	867	- 3	25	10 July	189	147	24	—	5	9	—	38	—	2.39	-0.26	19	S	—	—	
(Whitworth Park)	21	21	9	125	55.4	43.8	49.6	+0.4	86	19	—	—	31.66	804	- 1	22	10 July	195	151	—	—	—	—	—	—	—	2.48	-0.30	20	—	—	—	
Southport (Bedford Rd. Pk.)	9	9	9	35	55.1	43.1	49.1	+0.4	84	22	49.5	50.1	33.85	860	+ 47	25	{ 29 June 16 Nov. }	187	136	22	5	29	16	18	67	17	3.64	-0.52	30	—	—	—	
Stonyhurst	9	9	9	377	53.3	42.1	47.7	+0.1	82	18	—	—	46.26	1175	- 8	34	14 Dec.	214	162	31	16	16	18	14	79	7	3.37	-0.16	28	—	—	—	
Cheshire.																																	
Bidston Obs'y	9	9	9	198	53.6	43.9	48.7	-0.2	83	23	—	—	28.62	727	+ 18	22	30 June	188	141	17	7	16	10	22	34	16	3.46	-0.53	28	—	—	—	
Hoylake	9	9	9	23	55.1	43.3	49.2	-0.3	83	20	—	—	29.21	742	+ 27	23	1 Dec.	184	136	16	5	13	14	—	79	—	3.57	-0.54	29	—	—	—	
Macclesfield	9	9	9	500	54.0	41.7	47.9	+0.6	83	19	—	—	35.50	902	+ 36	42	10 July	197	163	25	19	6	10	17	—	—	—	—	—	—	—	—	
West Kirby	9	9	9	25	54.9	43.6	49.3	—	85	21	—	—	28.36	720	+ 11	23	21 Jan.	182	138	32	9	43	18	3	85	—	3.66	—	—	—	—	—	
7b. NORTH WALES.																																	
Flint.																																	
Hawarden B'dge	9	9	9	17	55.7	42.8	49.3	-0.4	82	16	—	—	29.73	755	—	36	21 June	177	133	14	12	15	17	27	—	—	—	—	—	—	—	—	
Rhyl	9	9	9	31	55.4	43.8	49.6	+0.1	84	22	—	—	30.42	773	+118	39	14 Sept.	190	138	18	4	19	11	1	64	21	3.63	-0.70	30	—	—	—	
Sealand	18-7	7	7	16	55.4	42.7	49.1	0.0	83	14	49.7	50.0	30.69	779	+118	45	21 Jan.	187	138	15	10	15	15	45	84	9	3.37	-0.33	28	—	—	—	
Anglesey.																																	
Holyhead	18-7	7	7	26	53.9	46.6	50.3	+0.4	73	30	—	—	37.93	963	+ 76	36	11 Dec.	208	156	9	2	17	9	5	27	29	4.27	+0.04	35	—	—	—	
Denbigh.																																	
Colwyn Bay	9	9	9	118	55.3	44.8	50.1	-0.1	82	23	—	—	36.06	916	+126	40	13 Dec.	211	151	4	5	11	6	16	—	—	3.62	-0.55	30	—	—	—	
Carnarvon.																																	
Aber	9	9	9	60	55.5	45.1	50.3	—	82	27	—	—	46.03	1169	—	55	13 Dec.	213	169	11	5	11	13	—	(87)	15	3.25	—	—	—	—	—	
Llandudno	9	9	9	13	55.2	45.6	50.4	+0.3	82	26	—	—	32.08	815	+101	26	15 May	197	137	10	2	14	9	1	51	7	3.73	-0.50	31	S	—	—	
Montgomery. Welshpool																																	
	9	9																															

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1936.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.					Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.	1 ft.	4 ft.	Total Fall.	Difference from Average.	Most in a day.		Precip'n.		Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.).	Ground Frost.	Gale.	Hours per day.						
					A Max.	B Min.							Amount.	Date.	0.2 mm. or more.	1 mm. or more.								Daily Mean.	Difference from Average.	Per cent.				
8b. ENGLAND, S.W.—cont.																														
Devon	G. M. T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.																
	Killerton ..	9 9 9	159	57.7	42.8	50.3	+0.3	82	26	—	33.65	855	—	27	1 July	203	150	—	—	—	—	—	—	—	—	—	—	—	—	—
	—cont. Moretonhampstead.	9 9 9	798	53.7	42.8	48.3	—	75	27	49.2	49.1	52.93	1344	—	48	17 Feb.	204	158	25	7	24	14	24	76	7	3.65	—	—	30	
	Newton Abbot ..	9 9 9	375	56.6	44.2	50.4	—	81	28	—	40.37	1025	+144	32	17 Dec.	186	139	16	2	7	9	15	71	—	3.68	—	—	30		
	Paignton ..	9 9 9	12	57.1	45.5	51.3	+0.2	76	27	—	39.70	1008	—	31	28 Jan.	182	138	6	0	13	7	3	59	—	4.06	-0.62	33			
	Plymouth (Hoe)	21 21 9	117	56.8	46.1	51.5	+0.3	78	29	52.6	52.7	36.53	928	—	5	28	9 Feb.	183	139	5	0	10	2	9	41	20	4.27	-0.31	35	
	Plymouth (Mount Batten)	18—7 7	82	56.0	46.9	51.5	+0.2	78	29	—	33.85	860	—	27	9 Feb.	188	139	5	1	16	6	4	30	24	4.24	-0.32	35			
	Princetown ..	9 9 9	1430	52.1	40.8	46.5	+0.4	77	24	—	80.95	2056	-23	67	17 Dec.	233	209	18	18	4	4	104	85	—	—	—	—	—		
	Sidmouth ..	9 9 9	25	(56.8)	45.2	(51.0)	(+0.8)	78	28	—	31.27	794	—	25	28 Jan.	181	136	4	0	5	10	5	44	—	4.17	—	—	34		
	Tavistock ..	9 9 9	457	56.1	43.9	50.0	+0.4	81	27	—	51.9	(49.17)	1249	+40	37	13 Dec.	222	166	8	3	19	11	8	95	18	—	—	—		
	Teignmouth ..	9 9 9	20	57.1	46.4	51.7	+0.2	79	30	—	35.60	904	+97	27	2 July	164	126	10	0	2	8	4	—	—	4.03	-0.65	33			
	Torquay ..	9 9 9	27	57.0	45.7	51.3	+0.4	76	29	—	52.6	37.71	958	+118	29	28 Jan.	176	136	5	0	5	9	2	37	3	4.29	-0.58	35		
Cornwall.	Falmouth Obs. ¶§	9 9 9	167	56.8	47.0	51.9	+0.7	76	31	52.8	53.9	46.22	1174	+67	42	10 Feb.	209	166	4	0	19	7	13	22	—	4.23	-0.50	35		
	Fowey ..	9 9 9	51	57.9	46.2	51.1	+0.4	79	32	—	38.52	978	—	23	10 Feb.	209	184	1	0	4	5	10	—	—	4.05	-0.52	33			
	Gulval ..	9 9 9	20	57.5	45.7	51.6	—	77	30	—	46.28	1175	—	55	10 Feb.	200	160	2	0	18	3	—	33	—	4.17	—	—	34		
	The Lizard ..	18—7 7	240	55.6	47.5	51.5	—	71	34	—	37.72	958	—	46	10 Feb.	206	160	1	0	15	10	24	—	23	—	—	—	—		
	Newquay ..	9 9 9	190	55.5	46.7	51.1	+0.3	76	31	52.0	52.3	37.58	955	+110	37	10 Feb.	199	160	2	0	14	11	5	—	11	4.15	-0.43	34		
	Redruth ..	9 9 9	397	55.2	45.2	50.2	0.0	75	31	—	51.02	1296	+147	47	10 Feb.	221	178	6	0	11	7	18	70	20	—	—	—	—		
9. IRELAND, N.																														
Sligo.	Markree Cas. ¶§	21 21 9	122	55.4	41.2	48.3	+0.3	77	21	50.1	49.8	44.47	1129	+23	24	23 June	245	201	12	7	21	11	3	—	21	3.21	-0.18	26		
Mayo.	Blackrod Pt. ¶§	18—7 7	18	54.1	45.9	50.0	—	73	32	—	—	46.48	1180	-82	37	18 Feb.	234	185	9	0	32	5	2	—	31	—	—	—	—	
	Mallaranny ¶§	9 9 9	113	55.3	44.5	49.9	+0.4	78	25	—	—	62.16	1579	—	34	6 Sept.	248	219	—	—	—	—	—	—	—	3.48	+0.06	28		
Donegal.	Malin Head ¶§	18—7 7	84	52.6	45.2	48.9	+0.6	71	29	—	—	36.68	932	+120	39	9 Jan.	217	166	8	0	40	3	1	—	11	3.53	-0.13	29		
Antrim.	Aldergrove ..	18—7 7	238	53.9	42.0	47.9	—	77	18	—	—	35.13	893	+55	36	23 June	217	161	25	8	25	12	16	76	5	3.50	—	—	29	
Down.	†Donaghadee ..	8 8 8	40	53.9	43.1	48.5	+0.4	75	26	—	—	35.59	904	+109	37	24 Sept.	230	162	—	—	—	—	—	—	—	3.74	—	—	31	
	Hillsborough ..	9 9 9	388	52.9	41.4	47.1	—	74	22	48.6	—	36.38	924	—	31	11 Nov.	208	158	19	9	5	7	12	95	8	3.63	—	—	30	
Armagh.	Armagh ..	21 21 9	204	54.8	42.0	48.4	+0.3	78	22	49.4	49.5	35.02	889	+83	33	17 July	207	146	17	6	8	9	14	86	5	3.42	-0.12	28		
Longford.	Newtownforbes	21 21 9	154	55.1	40.5	47.8	0.0	77	18	48.8	49.4	37.24	946	-9	36	23 July	190	173	11	4	6	6	—	—	—	—	—	—	—	
10. IRELAND, S.																														
Dublin.	Dublin City ¶§	21 21 9	54	55.0	45.2	50.1	0.0	76	26	—	—	28.02	712	+17	35	17 July	197	135	8	1	13	9	17	41	2	—	—	—	—	
	„ Glasnevin ..	21 21 9	55	56.1	42.0	49.1	+0.1	80	19	—	—	29.57	751	+41	31	17 July	210	133	6	5	7	9	38	90	1	—	—	—	—	
	„ Phoenix Pk. §	21 21 9	155	55.5	41.6	48.5	+0.4	78	19	—	—	29.50	749	+48	44	17 July	211	139	12	7	12	10	27	78	—	3.56	-0.41	29		
	„ Trin. Coll. ..	21 21 9	13	55.8	44.9	50.3	+0.3	76	26	50.8	50.5	27.57	700	+38	32	17 July	190	135	7	5	5	5	—	62	4	—	—	—	—	
	Hazelhatch (Peamount San.)	9 9 9	366	55.6	40.7	48.1	—	(80)	21	50.9	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.40	—	—	28	
	Rathfarnham ..	9 9 9	169	55.2	43.1	49.1	—	78	22	49.8	—	32.83	834	—	39	17 July	203	138	12	5	7	15	9	78	—	3.54	—	—	29	
Wicklow.	Newcastle ..	21 21 9	256	55.0	43.1	49.1	+0.1	78	26	—	—	41.44	1053	—	43	11 Nov.	193	143	7	4	2	0	8	—	—	—	—	—	—	
Offaly.	Birr Castle ¶§	18—7 7	173	55.5	42.1	48.8	0.0	78	20	49.7	49.9	34.37	873	+46	46	25 Sept.	212	148	12	4	8	9	14	118	0	3.33	-0.25	27		
Waterford.	Seskin, Carrick-on-Suir.	21 21 9	535	54.3	42.5	48.4	-0.2	76	26	—	—	45.22	1149	—	36	13 Dec.	218	143	6	3	4	7	14	79	29	3.71	-0.30	30		
	Waterford ¶§	9 9 9	137	55.9	43.8	49.9	0.0	75	29	—	—	39.74	1009	+20	30	17 July	198	130	3	0	1	4	90	—	12	—	—	—	—	
Limerick.	Foynes ..	9 9 9	43	56.4	(44.0)	(50.2)	(+0.4)	78	26	—	—	40.73	1034	+26	24	13 Dec.	222	167	—	—	—	—	—	—	—	—	—	—	—	
Kerry.	Valentia Obs. ¶§	24 24 24	30	55.6	47.2	51.4	+0.7	74	32	52.2	52.2	49.31	1253	-161	35	26 Jan.	245	186	5	0	34	5	1	30	36	3.75	0.00	31§		
	18—7 7	—	—	55.8	46.9	51.3	+0.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cork.	Ballinacurra §	9 9 9	24	56.4	43.7	50.1	+0.3	75	25	—	—	35.66	906	-119	50	10 Feb.	195	135	4	0	2	4	—	—	—	3.67	-0.30	30		
	Cork ..	9 9 9	57	57.2	43.7	50.5	—	80	27	—	—	40.29	1023	+8	63	10 Feb.	196	134	0	0	0	1	20	92	—	3.49	—	—	29	
	Roche's Pt. ¶§	18—7 7	22	55.2	46.9	51.1	+0.3	71	33	—	—	38.20	970	-93	26	13 Dec.	227	154	3	0	9	3	13	—	17	—	—	—	—	
11. CHANNEL ISLES AND SCILLY.																														
Scilly.	St. Mary's ¶§	18—7 7	163	55.9	48.8	52.3	0.0	72	35	—	—	37.26	946	+137	61	10 Feb.	214	157	4	0	22	6	22	—	17	4.46	-0.22	37		
Guernsey.	St. Peter Port ¶§	18—7 7	175	56.2	48.4	52.3	+0.5	78	30	53.3	53.6	39.56	1005	+62	33	9 Nov.	193	157	2	0	17	10	3	22	4	4.40	-0.76	36		
Jersey.	St. Heliers ¶§	9 9 9	28	57.1	48.2	52.7	+0																							

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1936.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
0. SCOTLAND, N.																																					
Shetlands. Lerwick	GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
	1	160	1009.4	—	45.2	1.5	9.2	88	7.4	1	37	80	141	107	0	6	0	4	3	10	62	93	187	1	24	180	151	11	48	30	24	30	62	65	44	52	
	7	160	1009.3	0.0	45.6	1.8	9.2	86	7.7	2	26	68	192	78	0	6	2	3	1	7	50	102	189	6	24	174	160	8	43	29	28	39	61	63	47	48	
	13	160	1009.7	—	47.4	2.5	9.3	81	7.8	1	19	72	194	80	0	2	2	1	0	5	51	98	200	7	24	192	148	2	36	31	34	30	74	65	56	38	
18	160	1009.6	—	46.5	2.1	9.4	84	7.8	2	26	61	166	111	0	4	1	0	2	10	61	91	192	5	19	195	149	3	40	32	31	29	73	56	57	45		
Orkneys. Deerness	9	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	21	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Hebrides. Stornoway	1	83	1009.3	—	46.0	1.5	9.5	88	7.2	8	42	72	143	101	0	1	0	2	0	8	43	115	182	15	11	153	190	12	40	37	31	35	47	71	48	45	
	7	83	1009.3	-0.6	46.5	1.7	9.5	87	7.5	6	22	60	179	99	0	2	3	0	2	3	40	83	184	49	7	159	187	13	38	41	26	35	56	70	44	43	
	13	83	1009.6	—	50.2	3.1	9.9	78	8.1	5	15	40	210	96	0	1	0	1	0	4	32	76	168	84	8	205	152	1	29	54	34	44	68	65	44	27	
18	83	1009.4	—	48.6	2.6	9.6	81	7.9	2	22	49	191	102	0	0	1	0	1	2	47	81	177	57	8	185	166	7	28	57	27	35	57	69	49	37		
Caithness. Wick	1	79	1009.6	—	44.6	1.2	9.3	90	7.7	1	36	47	154	128	1	7	2	2	2	6	29	92	225	0	17	112	234	3	17	21	17	41	60	72	71	64	
	7	79	1009.4	-0.8	45.0	1.3	9.3	89	8.1	1	21	43	168	133	0	10	1	0	1	5	33	82	234	0	17	120	223	6	28	19	9	43	63	62	69	67	
	13	79	1009.9	—	48.3	2.3	9.7	83	8.4	0	11	24	206	125	0	6	1	0	4	4	34	85	232	0	14	139	213	0	31	25	30	56	71	57	44	52	
	18	79	1009.6	—	46.9	1.9	9.7	86	8.2	1	18	33	178	136	0	5	0	1	1	9	34	89	227	0	17	121	224	4	29	29	28	63	57	56	47	53	
Inverness. Dalwhinnie	7	1180	968.2	—	41.0	1.6	7.9	86	8.2	8	30	36	70	222	0	2	1	0	5	11	48	187	112	0	3	74	239	50	37	48	1	16	95	71	25	23	
	13	1180	968.1	—	47.7	3.9	8.4	73	8.3	4	30	40	87	205	0	0	0	1	3	7	29	160	166	0	1	101	247	17	26	46	1	21	90	103	37	25	
	18	1180	967.9	—	45.2	2.9	8.4	79	8.1	8	32	38	88	200	0	0	0	0	1	5	43	175	142	0	2	91	248	25	25	39	4	29	92	100	34	18	
Inverness. Inverness	9	250	1010.3	—	46.6	2.1	9.4	84	5.6	9	55	177	100	25	0	2	7	0	1	14	40	52	121	129	1	58	258	49	13	50	15	20	45	104	37	33	
	17	250	1009.7	—	49.1	2.7	10.0	81	5.5	4	68	171	103	20	0	0	2	1	2	7	40	55	148	111	0	78	263	25	15	67	17	28	50	97	30	37	
1. SCOTLAND, E.																																					
Aberdeen. Aberdeen H	7	85	1010.5	-1.1	45.4	2.3	8.8	83	6.8	7	85	34	144	96	0	5	2	5	2	25	99	107	120	1	0	56	281	29	27	11	16	24	58	51	49	101	
	13	85	1010.8	-0.9	49.7	3.7	9.3	75	6.9	2	84	45	146	89	0	0	1	11	8	15	114	75	136	6	0	105	254	7	35	22	29	62	76	42	36	57	
	18	85	1010.6	-1.1	48.1	3.0	9.3	79	6.5	10	84	59	146	67	0	1	2	6	12	28	139	97	76	5	0	72	277	17	34	23	32	41	91	48	33	47	
	21	85	1010.9	-1.1	46.2	2.3	9.1	82	6.2	39	85	29	99	114	0	1	3	8	15	16	133	127	61	2	0	45	283	38	35	11	16	26	74	57	41	68	
	h.*	85	1010.6	-1.2	46.8	2.7	9.1	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Aberdeen. Braemar †	9	1108	1011.3	—	43.8	2.7	8.0	79	7.5	21	34	56	67	188	0	0	0	1	4	13	91	232	23	2	1	47	238	80	25	29	26	15	15	89	50	37	
Perth. Crieff	9	482	1010.7	—	46.6	2.9	8.9	79	7.4	6	59	59	83	159	—	—	—	—	—	—	—	—	—	—	—	5	116	245	0	46	17	81	14	33	38	108	29
	21	482	1010.8	—	45.3	2.2	8.9	82	7.2	36	49	37	62	182	—	—	—	—	—	—	—	—	—	—	—	9	61	296	0	38	21	88	6	29	31	126	27
Fife. Inchkeith	1	184	1011.1	—	46.0	1.0	10.1	92	6.8	3	78	74	105	106	0	5	0	4	16	0	37	96	202	6	5	98	263	0	22	52	40	32	39	154	15	12	
	7	184	1011.1	—	45.6	1.0	9.9	92	7.7	0	43	42	178	103	0	7	0	6	25	4	80	73	167	4	4	92	270	0	20	54	41	20	30	159	24	18	
	13	184	1011.2	—	49.6	2.0	10.8	86	7.9	0	25	42	224	75	0	2	0	7	18	3	66	68	196	6	4	102	260	0	10	61	65	18	28	147	27	10	
	18	184	1010.9	—	48.9	1.6	10.8	88	7.6	1	30	54	200	81	0	1	1	6	14	2	48	103	189	2	5	109	252	0	11	61	66	23	33	142	20	10	
Fife. Leuchars H	7	36	1011.0	—	44.4	1.6	9.1	87	6.8	16	70	52	121	107	0	2	7	6	22	17	81	90	111	30	0	68	244	54	26	23	35	21	9	72	85	41	
	13	36	1011.2	—	51.0	3.9	9.8	74	7.3	4	53	57	157	95	0	0	1	2	15	20	69	79	149	31	0	106	242	18	17	36	76	23	23	76	69	28	
	18	36	1010.7	—	48.6	2.9	9.7	79	7.1	9	66	46	139	106	0	1	0	4	19	16	73	69	156	28	0	99	242	25	17	37	63	40	16	77	66	23	
Mid Lothian. Edinburgh (Blackford Hill)	9	441	1011.5	—	46.7	2.6	9.0	81	7.0	10	62	70	88	136	0	9	7	10	41	62	202	33	2	0	3	82	243	38	15	57	20	25	35	63	85	28	
	21	441	1011.3	—	46.2	2.2	9.1	83	6.9	24	69	47	57	169	0	5	6	9	26	85	198	19	18	0	3	74	225	64	7	33	30	27	45	57	95	8	
6a. SCOTLAND, W.																																					
Argyll. Tiree	7	40	1009.9	—	47.9	1.9	9.9	85	6.9	1	68	53	184	60	0	1	2	1	2	4	39	153	127	37	5	178	170	13	55	28	30	56	57	43	48	36	
	13	40																																			

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1936.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.													
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.				NUMBER OF OBSERVATIONS.									FORCE (0-12).			DIRECTION.										
										0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2. ENGLAND, N.E.—cont.																																				
Durham. Durham	9	352	1012.2	—	47.4	2.5	9.5	82	6.7	44	47	52	65	158	0	0	12	9	74	54	93	76	48	0	2	24	287	53	44	32	19	16	82	37	58	25
	21	352	1012.3	—	45.6	1.6	9.5	88	6.7	68	37	33	39	189	1	3	5	3	29	50	153	106	16	0	3	23	266	74	39	25	19	12	79	36	60	22
Yorks., Catterick N. Riding.	7	186	1012.0	—	44.5	1.4	9.4	89	7.5	10	54	28	146	128	1	6	8	15	19	60	57	85	110	5	0	52	246	68	49	16	5	28	68	37	40	55
	13	186	1011.9	—	51.5	4.1	9.9	73	7.8	6	32	43	178	107	0	4	2	8	15	34	84	67	140	12	0	97	247	22	49	44	16	40	54	41	62	38
	18	186	1011.9	—	49.0	3.0	9.9	80	7.2	16	53	49	133	115	0	5	2	6	18	41	75	87	119	13	0	64	249	53	43	46	8	41	55	32	60	28
Yorks., Scarborough N. Riding.	9	96	1012.1	—	49.7	2.9	10.0	80	6.6	0	147	54	134	31	0	15	17	4	36	22	117	91	64	0	1	69	295	1	18	26	3	62	32	59	57	108
	9	53	1012.9	—	48.4	2.7	9.8	82	6.7	36	58	53	83	136	0	7	3	6	36	27	107	67	140	0	0	13	349	4	69	17	17	22	88	33	64	52
	21	53	1013.0	—	47.7	2.2	9.8	83	5.8	84	59	24	57	142	—	—	—	—	—	—	—	—	—	—	1	9	348	8	56	25	29	31	79	29	79	30
Yorks., E. Riding. Spurn Head	1	28	1012.1	—	47.0	1.0	10.5	92	6.6	28	65	56	109	108	3	11	1	5	7	17	69	163	90	0	5	189	162	10	31	29	28	40	48	66	62	52
	7	28	1012.0	-1.4	47.0	1.1	10.4	92	7.5	4	51	47	139	125	5	14	4	12	7	25	113	132	53	1	7	196	153	10	23	36	27	38	48	59	61	64
	13	28	1012.3	—	51.6	2.8	11.0	81	7.6	3	27	64	181	91	0	4	5	15	10	16	97	158	61	0	6	214	143	3	32	45	39	59	37	47	52	52
Lincoln. Cranwell	7	208	1013.0	—	44.7	1.0	9.7	92	7.1	17	65	36	110	138	0	20	17	20	30	43	159	63	13	1	0	101	236	29	36	24	19	38	27	79	71	43
	13	208	1012.9	—	52.8	4.1	10.5	75	7.7	3	40	48	168	107	0	6	6	10	6	27	148	97	63	3	0	158	200	8	37	31	31	45	38	75	63	38
	18	208	1012.9	—	50.0	2.9	10.4	81	7.3	12	55	42	152	105	1	6	5	13	15	31	138	90	65	2	0	106	236	24	41	44	33	38	35	60	62	29
3. ENGLAND, E.																																				
Norfolk. Cromer	9	74	1012.7	—	49.8	2.3	10.7	84	6.9	18	18	134	94	102	0	1	5	6	12	16	197	124	5	0	2	75	289	0	60	28	20	38	95	32	47	46
Norfolk. Yarmouth	1	26	1013.1	—	47.2	1.2	10.4	91	6.1	78	36	49	73	130	0	3	6	3	3	21	176	148	6	0	1	119	234	12	23	31	23	37	65	89	49	37
	7	26	1013.0	-1.2	47.4	1.8	10.1	87	7.6	6	46	43	149	122	0	6	7	9	12	21	210	97	4	0	2	119	230	15	29	36	14	41	51	69	67	44
	13	26	1013.2	—	52.0	3.5	10.6	77	7.4	9	33	69	157	98	0	2	3	6	7	17	227	104	0	0	2	167	188	9	54	42	30	51	43	56	45	36
Suffolk. Mildenhall	18	26	1013.0	—	50.8	3.0	10.4	80	7.2	22	35	59	140	110	0	2	4	4	7	21	225	103	0	0	1	124	225	16	49	35	27	58	56	56	30	39
	7	21	1013.0	—	46.3	1.3	10.1	90	7.3	14	61	31	109	151	0	12	8	13	33	78	84	68	68	2	0	86	253	27	24	35	34	37	62	63	48	36
	13	21	1013.0	—	54.3	4.8	10.4	71	7.7	7	37	41	168	113	0	4	0	6	12	33	87	81	140	3	0	174	187	5	34	26	40	34	47	66	62	52
Cambridge. Cambridge	18	21	1012.9	—	51.7	3.6	10.5	77	6.7	21	76	47	112	110	0	3	3	12	11	39	90	83	115	10	0	99	249	18	32	37	41	41	47	67	46	37
	9	43	1013.5	-1.6	49.9	2.5	10.8	85	7.0	42	36	48	75	165	—	—	—	—	—	—	—	—	—	—	0	55	296	15	26	50	29	33	28	77	60	42
	21	43	1013.4	-1.6	47.8	1.6	10.5	89	5.3	133	18	24	54	137	—	—	—	—	—	—	—	—	—	—	0	29	300	37	24	56	23	37	40	74	45	30
Hertford. Rothamsted	9	396	1013.3	—	48.4	2.2	10.1	84	7.0	22	55	40	139	110	1	12	4	11	7	89	242	0	0	1	4	272	51	54	35	30	27	47	36	52	34	
	7	12	1013.6	—	48.2	1.7	10.6	87	7.5	21	38	43	125	139	0	5	6	13	26	45	96	87	86	2	0	63	283	20	41	24	20	28	44	63	67	59
	13	12	1013.6	—	54.1	4.1	11.1	75	7.6	15	31	50	164	106	0	0	2	3	16	26	99	81	137	2	0	117	244	5	31	36	41	30	53	70	55	45
Essex. Shoeburyness	18	12	1013.5	—	51.4	2.9	11.0	81	7.1	24	49	39	155	99	0	2	2	3	21	32	81	86	132	7	0	86	260	20	30	41	37	32	50	65	57	34
	4. MIDLAND COUNTIES.																																			
	Yorks., Harrogate W. Riding	9	478	1012.7	—	47.0	2.5	9.3	83	7.2	9	74	26	129	128	1	12	19	2	20	82	64	54	49	44	4	34	312	16	44	21	22	26	59	106	59	13
Nottingham. Nottingham	9	215	1012.5	—	48.2	2.9	9.5	80	7.6	17	29	66	90	164	8	18	31	34	82	28	146	17	2	0	0	42	324	0	44	55	26	26	32	40	119	24
	7	542	1013.3	—	45.3	1.6	9.5	87	7.4	28	44	28	133	133	1	7	15	11	52	69	78	45	88	0	0	49	307	10	36	33	33	36	47	67	56	48
	13	542	1013.0	—	51.4	4.3	9.7	72	7.4	13	33	60	157	103	2	5	7	13	44	60	111	32	92	0	0	87	272	7	33	42	34	40	42	60	57	51
Warwick. Birmingham	18	542	1012.9	—	50.7	3.9	9.7	74	7.1	12	58	54	141	101	3	0	2	14	41	83	84	28	111	0	0	78	280	8	36	42	40	32	43	64	58	43
	9	212	1013.8	-1.8	48.8	2.7	9.9	81	7.1	21	64	25	109	147	1	13	5	17	23	37	127	41	101	1	0	75	281	10	50	50	21	32	43	83	50	27
	9	186	1013.1	—	48.3	2.5	9.9	83	7.4	9	18	113	87	139	1	6	9	5	16	13	85	9	222	0	2	112	176	76	22	10	34	37	41	25	98	23
Shropshire. Shrewsbury	7	226	1013.1	—	45.8	1.7	9.6	87	7.4	5	70	27	116	148	0	21	3	12	39	26	79	81	104	1	0	43	292	31	41	36	31	11	38	98	58	22
	13	226	1012.8	—	53.4	4.5	10.4	71	7.6	4	36	59	164	103	0	2	1	11	20	23	74	91	129	15	0	89	273	4	39	39	46	18	34	81	64	41
	18	226	1012.7	—	51.5	3.7	10.3	76	6.9	6	79	49	114	118	1	4	4	10	17	31	79	82	123	15	1	58	302	5								

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1936.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.											
										0	1 to 3	4 to 6	7 to 9	10	FOG			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calin.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
5. ENGLAND, S.E.—cont.																																							
Kent. Biggin Hill	H	7	572	1013.9	—	46.2	1.5	9.9	89	7.3	21	57	33	102	153	0	16	15	15	34	43	84	104	55	0	1	103	235	27	29	44	26	27	52	80	57	24		
		13	572	1013.6	—	52.7	4.5	10.1	71	7.6	9	38	44	177	98	1	4	4	9	22	18	93	126	79	10	0	140	219	7	36	57	29	21	52	76	63	25		
		18	572	1013.7	—	50.1	3.3	10.1	77	6.6	19	73	56	122	96	3	3	2	10	29	29	78	126	76	10	2	117	229	18	30	60	29	21	57	80	56	17		
Kent. Dungeness	..	7	—	—	—	48.4	1.5	10.6	89	7.0	16	40	75	163	72	1	7	2	13	12	53	113	165	0	0	4	99	258	5	40	44	35	25	26	84	45	62		
		13	—	—	—	53.6	3.3	11.3	78	7.1	8	41	71	190	56	0	1	2	6	9	54	115	179	0	0	4	140	222	0	31	53	35	27	39	112	43	26		
		18	—	—	—	51.7	2.6	11.1	82	7.1	7	43	70	181	65	0	1	1	3	10	53	110	188	0	0	2	135	227	2	30	57	37	19	32	123	41	25		
Kent. Lymgne	H	1	345	1014.3	—	46.4	1.6	9.9	87	6.2	65	72	24	78	127	0	5	12	21	10	34	110	104	68	2	0	97	263	6	50	42	39	25	34	65	57	42		
		7	345	1014.1	—	46.8	1.6	10.1	87	7.4	19	56	39	126	126	0	8	18	4	22	48	111	83	68	4	0	97	257	12	61	43	33	31	32	57	51	46		
		13	345	1014.1	—	52.5	3.9	10.5	75	7.2	13	53	53	143	104	0	5	2	4	11	40	76	99	114	15	1	167	195	3	47	41	33	37	51	80	50	24		
Kent. Manston	..	1	141	1013.7	—	47.4	1.7	10.2	87	5.9	72	56	31	99	108	0	6	1	13	18	22	103	116	85	2	0	118	221	27	28	39	29	31	41	92	43	36		
		7	141	1013.5	—	48.0	1.9	10.3	86	7.4	11	48	48	133	126	0	4	4	6	19	39	106	109	77	2	0	124	232	10	33	39	25	42	37	81	57	42		
		13	141	1013.6	—	53.3	4.4	10.5	72	7.3	18	37	48	161	102	0	0	2	3	9	23	102	130	96	1	0	184	179	3	32	44	37	42	46	70	47	45		
Kent. Tunbridge Wells		18	141	1013.5	—	50.8	3.2	10.4	79	6.9	17	61	51	132	105	0	1	2	5	12	25	111	124	85	1	0	143	213	10	26	56	31	35	52	79	40	37		
		9	407	1014.2	—	49.5	1.9	10.9	87	7.2	26	43	46	113	138	0	5	3	11	9	66	105	128	39	0	0	75	291	0	26	74	18	31	14	88	53	62		
Sussex. Brighton	H	9	48	1014.2	—	51.0	2.7	10.8	82	6.9	26	58	55	77	150	0	0	3	7	19	62	131	57	87	0	2	69	293	2	30	54	42	22	45	76	60	35		
Sussex. Hastings	H	9	154	1013.7	—	50.8	2.6	10.7	81	6.7	39	41	75	92	119	0	0	0	2	14	99	186	54	11	0	4	79	264	19	10	87	5	56	11	104	7	67		
		21	154	1013.7	—	49.8	2.3	10.5	84	5.8	105	19	52	45	145	1	1	4	3	19	122	142	50	24	0	4	59	274	29	29	0	1	44	8	110	6	76		
Hampshire. Calshot	..	7	15	1013.7	—	48.2	1.4	10.6	89	7.0	20	61	50	122	113	1	4	6	9	11	20	125	102	88	0	3	112	241	10	58	33	37	16	60	57	59			
		13	15	1013.7	—	54.5	3.8	11.3	76	7.4	8	39	61	161	97	0	1	2	2	6	11	112	120	112	0	1	188	170	7	44	31	49	29	63	72	37	34		
Hampshire. Southampton		18	15	1013.5	—	52.5	3.0	11.2	81	6.7	13	77	49	131	96	0	0	4	3	6	12	101	131	109	0	1	139	215	11	46	31	43	19	41	95	50	30		
		9	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Hampshire. S. Farnborough	H	7	256	1013.9	—	45.9	1.3	10.1	90	7.2	17	53	46	116	134	0	14	12	18	19	43	118	87	54	1	0	50	267	49	22	35	33	27	39	40	89	32		
		13	256	1013.4	—	55.3	5.2	10.7	69	7.2	7	25	50	197	87	0	2	2	9	10	27	98	121	93	4	0	113	231	22	27	36	38	23	43	65	76	36		
		18	256	1013.3	—	52.1	3.8	10.6	76	6.7	10	63	72	139	82	0	3	4	7	13	37	107	128	67	0	1	50	289	26	37	31	38	21	54	56	72	31		
I. of Wight. Ventnor (Hosp.)		9	80	1013.7	—	52.0	2.7	11.2	82	6.8	18	70	60	91	127	—	—	—	—	—	—	—	—	—	—	0	82	284	0	34	30	68	32	7	33	127	35		
		15	80	1013.3	—	54.3	3.6	11.5	78	6.2	21	84	74	83	104	—	—	—	—	—	—	—	—	—	—	1	98	267	0	33	20	60	36	10	36	143	28		
Wilts. Amesbury (Boscombe Down)	H	7	420	1013.6	—	45.1	1.0	9.9	92	7.0	31	50	38	101	146	0	4	17	16	12	50	79	143	45	0	0	86	260	20	45	45	41	26	41	57	45	46		
		13	420	1013.5	—	53.1	4.4	10.3	73	7.8	8	20	56	168	114	0	1	3	2	5	16	74	142	119	4	1	153	204	8	46	36	39	33	46	62	57	39		
		18	420	1013.2	—	51.2	3.4	10.4	78	7.1	17	54	54	127	114	0	3	1	5	4	27	75	148	94	9	1	116	236	13	45	43	25	33	49	57	53	48		
Wilts. Larkhill..	H	9	444	1013.5	—	48.4	2.3	10.1	93	7.6	12	49	40	116	149	0	9	6	5	18	18	70	121	119	0	1	140	203	22	35	47	43	27	32	61	69	30		
		13	444	1013.2	—	53.1	4.3	10.3	73	7.7	5	32	47	168	114	0	2	1	5	6	5	52	99	196	0	1	181	173	11	32	42	38	29	40	68	66	40		
	15	444	1013.1	—	53.1	4.5	10.3	72	7.6	7	34	58	162	105	0	3	2	3	6	12	44	96	200	0	1	166	184	15	39	46	36	27	40	61	70	32			
7a. ENGLAND, N.W.																																							
Lancashire. Hutton	..	9	86	—	—	48.9	2.5	10.1	83	7.0	11	51	68	145	91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Lancashire. Manchester (Barton)	H	7	83	1012.5	—	45.5	1.5	9.7	89	7.5	23	36	43	114	150	10	14	8	25	45	82	109	65	8	0	0	81	250	35	21	27	42	58	45	45	48	45		
		13	83	1012.5	—	52.8	4.6	10.0	71	7.5	6	45	55	153	107	2	6	5	16	16	43	111	108	59	0	0	154	207	5	20	31	33	41	49	50	64	73		
		18	83	1012.3	—	50.7	3.5	10.1	77	7.3	7	59	54	105	141	3	5	6	14	48	65	91	75	57	2	0	123	236	7	25	32	44	46	32	46	51	83		
Lancashire. Manchester (Whitworth Pk.)		9	127	1012.7	—	48.7	2.4	10.0	82	7.2	19	40	53	138	116	—	—	—	—																				

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1936.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.													
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.								
										0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a. SOUTH WALES—cont.																																				
Radnor. Llandrindod Wells	9	725	1013.3	—	47.9	2.4	9.7	82	7.8	7	36	52	109	162	2	5	2	0	4	14	139	120	80	0	3	110	248	5	44	25	47	28	39	30	96	52
	9	—	—	—	46.8	2.1	9.5	84	7.8	11	34	52	80	189	0	3	5	8	20	29	122	54	123	2	0	50	313	3	27	40	63	25	78	52	54	
	9	203	1013.7	—	49.4	2.4	10.3	83	7.2	28	52	35	86	165	0	4	4	9	34	82	133	63	37	0	0	104	262	0	20	99	41	10	16	86	84	10
Glamorgan. Cardiff	21	203	1013.5	—	48.6	2.0	10.3	85	5.9	114	19	29	33	171	0	3	0	0	0	12	252	24	75	0	0	64	302	0	9	61	40	25	11	84	92	44
8b. ENGLAND, S.W.																																				
Somerset. Bath	9	113	1013.5	—	50.5	2.9	10.3	80	7.3	28	51	34	86	167	1	2	6	11	34	69	147	68	28	0	0	56	282	28	22	43	63	24	19	53	87	27
Dorset. Holton Heath	9	58	1013.9	—	50.9	2.7	10.9	82	7.1	30	52	43	74	167	0	1	2	6	23	56	138	96	43	1	1	160	173	32	38	48	42	26	25	46	53	56
	15	58	1013.4	—	54.5	4.3	11.0	73	6.8	16	65	61	94	130	0	0	1	1	12	47	103	99	42	1	1	195	158	12	43	38	28	49	28	71	59	38
	1	37	1013.1	—	50.1	1.7	11.1	87	6.8	40	47	49	81	149	0	0	1	9	2	30	217	107	0	0	1	190	175	0	41	54	50	27	21	38	74	61
Dorset. Portland Bill	7	37	1013.0	-1.6	50.2	1.7	11.2	88	7.7	15	37	35	133	146	0	0	0	10	1	0	31	222	102	0	0	204	162	0	38	64	46	26	27	39	67	59
	13	37	1013.2	—	53.1	2.3	11.9	84	7.6	17	24	46	153	126	0	0	1	5	2	0	32	235	91	0	0	213	153	0	23	37	50	36	31	65	75	49
	18	37	1012.9	—	52.1	2.1	11.7	86	7.3	19	36	57	124	130	0	0	1	4	3	0	39	227	92	0	1	189	176	0	33	31	54	34	20	54	85	55
Devon. Moretonhampstead	9	801	1013.6	—	48.1	2.1	10.1	85	7.7	7	51	37	127	144	0	10	12	2	12	14	59	71	178	8	0	118	224	24	38	30	24	50	37	32	39	92
	15	801	1013.1	—	51.4	3.5	10.3	77	7.6	3	45	62	132	124	0	6	5	1	5	9	61	46	225	8	1	143	211	11	55	31	19	61	29	48	32	80
Devon. Plymouth (Mount Batten)	7	27	1013.3	—	49.1	1.6	10.9	88	7.1	10	66	37	158	95	0	0	2	2	7	29	62	117	145	2	4	106	214	42	36	36	58	17	31	40	50	56
	13	27	1013.5	—	54.3	3.5	11.5	78	7.6	1	47	46	184	88	0	0	1	2	3	16	54	88	192	10	1	181	180	4	29	16	61	27	57	76	45	51
	18	27	1013.3	—	53.0	3.2	11.4	81	6.8	7	75	55	137	92	0	1	1	1	5	29	91	103	119	16	4	152	202	8	39	24	53	20	40	63	59	60
	1	240	1013.5	—	49.6	1.2	11.2	91	6.6	27	86	35	89	129	2	8	5	6	5	7	17	86	230	0	5	201	152	8	49	45	37	19	36	56	70	46
Cornwall. The Lizard	7	240	1013.3	—	49.9	1.3	11.3	90	7.7	2	45	55	116	148	4	6	9	5	10	6	24	82	220	0	5	205	147	9	41	43	41	21	37	46	75	53
	13	240	1013.5	—	54.0	2.6	12.0	83	7.5	0	41	77	126	122	1	5	1	3	10	34	79	223	0	7	220	135	4	20	51	16	40	61	82	41	50	
	18	240	1013.5	—	51.8	2.0	11.5	86	7.4	3	48	73	119	123	3	6	4	5	5	7	32	79	225	0	10	197	147	12	31	37	40	22	29	65	80	50
Cornwall. Newquay	9	161	1013.4	—	51.6	1.9	11.5	87	7.0	14	48	72	96	136	0	0	5	0	20	44	109	123	59	6	2	139	220	5	58	29	24	54	59	44	42	51
9. IRELAND, N.																																				
Sligo. Markree Castle	9	127	1012.2	—	47.7	1.7	10.2	88	7.2	22	24	87	93	140	1	1	2	0	0	5	57	112	188	0	0	32	225	109	31	9	14	48	52	21	39	43
	21	127	1011.7	—	48.7	1.8	10.4	87	7.1	27	36	77	84	142	0	3	3	0	0	3	43	88	226	0	3	28	220	115	33	9	16	26	56	27	32	52
	1	28	1011.3	—	49.0	1.8	10.5	86	6.8	23	44	97	65	137	0	0	0	1	2	0	18	183	158	4	11	146	153	56	28	11	35	27	60	21	81	47
Mayo. Blacksod Point	7	28	1011.1	—	49.3	1.8	10.7	87	7.6	6	30	87	94	149	0	1	0	1	0	1	16	169	105	13	11	155	163	37	30	17	53	34	38	32	76	46
	13	28	1011.5	—	52.4	3.0	11.0	80	7.2	8	31	98	128	101	0	0	0	0	1	16	120	179	50	9	190	157	10	39	17	46	37	40	38	98	44	
	18	28	1011.2	—	51.3	2.6	10.9	81	7.3	6	38	91	106	125	0	0	0	0	1	14	142	179	30	11	176	165	14	44	20	28	31	46	34	93	56	
Donegal. Malin Head	1	87	1010.6	—	47.9	1.1	10.6	92	6.6	15	79	48	153	71	0	1	1	0	6	3	71	223	61	2	2	144	200	20	46	12	29	33	95	40	66	25
	7	87	1010.4	-0.8	47.9	1.1	10.6	91	7.5	2	53	36	215	60	0	1	0	0	2	75	203	81	2	1	146	212	7	36	21	35	35	94	48	49	41	
	13	87	1010.8	—	50.9	1.8	11.4	87	7.3	4	52	43	210	57	0	0	0	1	0	3	77	179	97	9	0	167	199	0	45	20	54	32	57	45	71	42
	18	87	1010.5	—	49.9	1.4	11.3	89	7.2	6	61	43	191	65	0	2	1	0	3	83	189	81	4	3	146	215	2	51	29	44	32	63	33	62	50	
Antrim. Aldergrove	7	245	1011.4	—	45.1	1.2	9.7	90	7.7	5	52	30	152	127	0	8	3	5	5	21	81	136	98	9	0	115	218	33	30	33	50	29	70	56	36	29
	13	245	1011.5	—	51.5	3.5	10.4	77	7.8	2	41	35	197	91	0	3	1	2	4	12	73	81	140	50	1	170	180	15	33	21	35	43	52	71	58	38
	18	245	1011.2	—	50.1	3.0	10.2	80	7.1	6	69	48	141	102	0	1	2	3	10	78	80	153	37	0	129	214	23	46	16	47	49	45	56	46	38	
Armagh. Armagh	9	209	1011.5	-1.5	48.1	2.3	10.1	83	6.9	24	56	48	105	133	0	5	4	6	6	42	88	200	10	1	4	209	20	31	33	34	28	58	94	40	22	
	21	209	1011.5	-1.6	46.8	1.8	9.8	87	5.9	84	46	31	67	138	0	4	3	1	9	19	89	109	132	0	1	36	276	53	33	18	31	30	63	78	38	22
10. IRELAND, S.																																				
Dublin. Glasnevin	9	56	1012.6	—	49.1	2.4	10.1	83	6.9	27	0	153	57	129	0	6	16	16	74	64	61	10	119	0	0	17	343	6	3	32	41	35	16	44	118	71
	21	56	1012.6	—	48.8	2.0	10.3	85	5.9	79	0	113																								

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§. The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. The differences from and percentages of average for air temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The differences from average of earth temperature are the means of the corresponding values for all the stations in Table III for which averages of earth temperature are available. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. (10 m.) above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the "Height" columns. The "effective height" is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60 minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The "Highest Hourly Wind" similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperatures are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read in the morning the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash, thus, 18-7, the day-maximum for the period 7h. to 18h. and the night-minimum for the period 18h. to 7h. are reported and are utilised in determining the means for the month; in such cases the extreme temperatures for successive periods of 24 hours are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*Royal Observatory, Greenwich.*—A Glaisher stand is used. *Aberdeen and Valentia Observatories.*—The 24-hour extremes refer to north wall screens, respectively 41 ft. and 4 ft. above ground. *Kew Observatory.*—All readings refer to a north wall screen 9 ft. above ground.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow, Hail, Thunderstorms and Gale are counted irrespective of the hour at which the phenomena occur. Except for "Precipitation" the day is the civil day.

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation, *viz.*, 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine in the last column is calculated with reference to the maximum duration theoretically possible in the latitude, allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47) but not for the fact that the sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

S. Where the symbol S occurs it indicates that obstructions obscure the sun during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.*

Mean Air Pressure is expressed in millibars (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926, they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangements in metres, are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles.
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	31 "

Entries are in italic type where there is no object within 10% of the correct distance defining the lower limit of the range represented by the corresponding code figure.

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where there are anemographs the mean velocity for a period of about 10 minutes is converted to "force" on the Beaufort Scale by means of a table of equivalents appropriate to the exposure.

INTERPOLATED VALUES.

When the observations for any station for a month are incomplete and relevant data (e.g. records from neighbouring stations) which make it practicable to interpolate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(52.4).

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Tavistock (17), Plymouth (15), Balbriggan (25), Newcastle, Co. Wicklow (30).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

AVERAGES.

Rainfall (Table III), *Pressure* (Table IV).—The averages refer to the period 1881-1915 and are "weighted" if the record is not complete for that period.

Temperature and Sunshine (Table III).—The averages refer to periods of from 10 to 30 years ending 1930, the actual period for each station being stated in the Introduction. Differences from averages of less than 30 years are printed in italics.

* In addition to the frequencies published in this Report (Tables III and IV), the Meteorological Office has issued since January, 1927, in the form approved by the International Commission for Air Navigation, monthly frequency tables of height of base of low cloud, and speed and direction of surface and upper winds.

TABLE V. [1913].—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation.			Height of Station above M.S.L., ft.	Warmest Day.		Warmest Night.		Coldest Day.		Coldest Night.	
		Max.	Min.	Rain.		Highest Maximum and Date.	° F.	Highest Minimum and Date.	° F.	Lowest Maximum and Date.	° F.	Lowest Minimum and Date.	° F.
0. SCOTLAND, N.													
		G. M. T.											
Shetland.	Baltasound ..	9	9	9	31	June 23	72	August 18	58	January 16	34	March 3	21
	Lerwick ..	18—7	7	156	June 23	71	June 23	57	January 17	31	Jan. 17, Dec. 7	25	
Orkney.	Deerness ..	21	21	9	160	June 23	71	June 22, 23	53	Jan. 17, Feb. 4	34	February 5	26
	Kirkwall ..	9	9	9	113	June 22	72	August 28	57	February 4	33	February 5	23
Hebrides.	Skallary ..	10	10	10	30	June 22	80	June 22	62	February 2	38	February 4	29
	Stornoway (C.G.)	18—7	7	80	June 21	75	August 27	59	Jan. 19, Feb. 3	34	February 4	21	
Skye.	Duntulm ..	9	9	9	294	June 21	82	June 22	63	February 3	35	February 5	26
Caithness.	Wick ..	18—7	7	81	August 23, 27	67	September 11, 12	56	February 4	30	February 5	12	
Ross and Cromarty.	Achnashellach ..	9	9	9	225	June 21	86	June 22, Sept. 12	60	—	—	—	
	Fortrose ..	9	9	9	69	June 20	77	Aug. 28, Sept. 12	59	Jan. 19, Feb.	33	January 20	18
Inverness.	Dalwhinnie ..	18—7	7	1176	June 22	84	June 20	57	Jan. 15, 16, 17, 20, Feb. 12, Dec.	30	February 13	7	
	Ft. Augustus ..	9	9	9	68	June 21	84	September 12	61	January 19	30	Jan. 20, Feb. 14	17
	Ft. William ..	9	9	9	34	June 21	84	June 20	62	February 4	33	February 14	17
	Inverness ..	9	9	9	242	June 21	83	September 12	62	January 19	32	January 20	17
1. SCOTLAND, E.													
Nairn.	Nairn ..	9	9	9	20	June 21, 22	85	July 2, Sept. 10, 12	58	January 19	32	January 20	13
Moray.	Forres ..	9	9	9	155	June 21	87	September 10	58	January 18, 19	32	January 20	14
	Gordon Castle ..	21	21	9	104	June 21	83	June 20, July, 4, 7, 19, Aug. 17, Sept. 10, 11, 12	57	Feb. 4, Dec. 5	34	January 20	12
Banff.	Banff ..	9	9	9	130	June 21, 22	80	Aug. 15, Sept. 4	58	January 19	33	January 20	14
Aberdeen.	Aberdeen ..	24	24	24	79	July 4, 5	73	August 15	58	January 19	33	January 20	15
	Balmoral ..	9	9	9	927	June 21, Aug. 27	78	August 8	58	January 16, 17	30	February 5, 13	6
	Braemar ..	21	21	9	1111	June 21	81	June 23, Sept. 11	56	January 17	30	February 5, 13	5
	Craibstone ..	9	9	9	300	August 27	75	August 30	58	January 17	31	January 20	15
	Logie Coldstone ..	9	9	9	608	August 27	81	(Aug. 25, 30, Sept. 11, 12	56)	(January 16	32)	(January 20	6)
Kincardine.	Stonehaven ..	9	9	9	12	July 31	75	August 30	58	January 15	26	February 5	18
Angus.	Arbroath ..	21	21	9	93	June 21	78	July 6, 7	60	January 17	34	January 20	13
	Carnoustie ..	9	9	9	39	August 28	77	August 30	60	January 16	33	January 20	20
	Dundee ..	9	9	9	147	August 28	77	August 25	59	January 15, 17	33	February 13	20
	Kettins ..	9	9	9	218	June 21	79	Aug. 30, Sept. 11	58	Jan. 17, Nov. 23	32	January 20	13
	Montrose ..	9	9	9	16	August 28, 29	78	August 30	59	Jan. 17, Feb. 15	33	January 20	17
Perth.	Crieff ..	21	21	9	478	June 26	79	August 15	58	February 13	29	February 13	15
	Perth ..	9	9	9	76	June 21, 26	81	June 27	59	February 13	29	January 20	11
Fife.	Cupar ..	9	9	9	210	August 28	76	August 25	60	January 14	32	January 19	20
	Dunfermline ..	9	9	9	237	June 21	76	Aug. 25, Sept. 12	60	January 15	30	January 20	19
	Inchkeith ..	18—7	7	190	June 24	74	Aug. 25, Sept. 12	59	Jan. 15, Dec. 7	33	January 21	26	
	Kirkcaldy ..	9	9	9	63	June 24, Aug. 28	76	August 25	61	February 15	34	Jan. 20, Feb. 13	22
	Leuchars ..	18—7	7	36	August 28	76	August 15, 25, 30	59	February 13	32	January 20	17	
	St. Andrews ..	9	9	9	13	August 28	76	August 25, 30	59	January 15, 19	34	January 20	18
Mid. Lothian.	Edinburgh—												
	Blackford H. ..	21	21	9	441	June 24, Aug. 28	75	Aug. 24, Sept. 11	59	Jan. 16, Feb. 13	33	Feb. 11, Dec. 7	24
	Boghall ..	9	9	9	639	June 19, 26	76	Aug. 25, Sept. 12	59	Jan. 15, 16, Feb. 13	32	Jan. 19, Feb. 13	21
	Liberton ..	9	9	9	190	June 24, Aug. 28	77	August 25	60	January 19	31	February 13	18
	Univ. King's B. ..	9	9	9	225	June 24, Aug. 28	76	August 25	61	January 15	33	February 13	21
E. Lothian.	Dunbar ..	9	9	9	75	August 27	76	August 25	61	January 15	33	February 13	23
	N. Berwick ..	9	9	9	118	August 27	78	August 25	60	January 18	31	January 20, 21	22
Berwick.	Marchmont ..	21	21	9	498	August 27, 28, 29	77	August 25	61	Jan. 15, Feb. 13	33	January 19, 20	20
Peebles.	Peebles ..	9	9	9	629	June 21	81	August 25	60	January 15	28	February 13	9
	West Linton ..	9	9	9	820	June 21	79	August 25	58	January 15	29	February 13	12
Roxburgh.	Kelso (Br'ml'ds) ..	9	9	9	193	August 27	80	August 25	63	January 15	29	January 19	15
	Wolfelee ..	9	9	9	537	June 21	81	August 25	60	January 15	29	February 13	11
6a. SCOTLAND, W.													
Argyll.	Ardtornish ..	21	21	9	48	June 22	86	June 22	58	January 15	33	February 4	17
	Colonsay ..	9	9	9	87	June 22	79	June 22	61	January 15	35	February 13	20
	Dunoon (Benmore) ..	9	9	9	46	June 21	80	Aug. 25, Sept. 12	59	January 15	31	February 13	18
	Dunoon ..	9	9	9	132	June 21	77	June 20, Aug. 25, Sept. 12	59	February 13	35	Jan. 15, 17, Feb. 13, Apr. 5, Sept. 6, 7	24
	Glenbranter ..	9	9	9	188	June 21	81	June 22	63	January 15, 16	31	February 13	14
	Oban ..	9	9	9	229	June 22	82	June 22	67	January 15	31	Jan. 20, Feb. 4	25
	Tiree ..	18—7	7	22	June 21	78	June 20, Sept. 3, 12	58	January 15	36	February 4, 13	27	
Bute.	Rothesay ..	21	21	9	200	June 21	77	September 11	57	January 16, 19	34	Jan. 17, Feb. 13	27
Dumbarton.	Cardross ..	9	9	9	130	June 21	80	Aug. 25, Sept. 12	59	January 15	30	February 13	19
	Helensburgh ..	9	9	9	293	June 21	78	June 23, Aug. 15, 25, September 12	58	January 15	28	February 13	19
Stirling.	Stirling ..	9	9	9	151	June 26	79	August 25	62	January 15	27	January 19	18
Renfrew.	Greenock ..	9	9	9	199	June 19, 21	79	June 23, Aug. 25, September 12	59	January 15	32	February 13	24
	Paisley ..	21	21	9	106	June 21	80	Aug. 15, Sept. 3	59	January 15	30	February 13	21
	Renfrew (Abbotsinch) ..	18—7	7	19	June 21	79	September 12	60	January 15, 19	25	February 13	16	
Lanark.	Carluke ..	9	9	9	534	June 19	78	August 25	59	January 15, 16	31	February 13	17
	Dungavel ..	9	9	9	798	June 19	78	September 12	58	January 15, 16	31	Feb. 12, 13, Dec. 7	17
	Glasgow ..	9	9	9	85	June 21	78	September 12	61	January 15	30	February 13	19
	Thorntonhall ..	9	9	9	440	June 19, 21	77	June 28, Aug. 24, 25, September 12	57	January 16	31	February 13, 14	14
Ayr.	Auchincruive ..	9	9	9	89	June 21	85	September 12	61	January 15	32	January 19	13
	Ayr ..	21	21	9	43	June 21	85	August 24	59	Jan. 16, Feb. 12	33	February 13	14
	Colmonell ..	9	9	9	170	June 21	85	June 21	61	January 15, 19	34	February 12	17
	Troon ..	9	9	9	15	June 21	84	September 12	61	January 19	31	February 13	19
	Turnberry ..	9	9	9	30	June 21, 22	84	September 3	60	January 19	34	(February 13	15)
Dumfries.	Dumfries ..	21	21	9	140	June 21	83	August 24	63	January 15	29	February 13	16
	Eskdalemuir ..	24	24	24	794	June 21	80	August 24	60	January 19	27	January 19	8
	Ruthwell ..	21	21	9	67	June 21	84	August 24	60	January 19	29	January 19	14

TABLE V [1913] (continued).—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above M.S.L., ft.	Warmest Day.		Warmest Night.		Coldest Day.		Coldest Night.	
	Max.	Min.	Rain.		Highest Maximum and Date.	° F.	Highest Minimum and Date.	° F.	Lowest Maximum and Date.	° F.	Lowest Minimum and Date.	° F.
6b. ISLE OF MAN.												
Isle of Man. Douglas ..	9	9	9	284	June 21	77	June 21	61	Jan. 15, Feb. 11	37	December 7	26
Point of Ayre ..	18	7	7	30	August 29	75	August 24	61	January 15, 16, 19	38	January 19	29
2. ENGLAND, N.E.												
Northumberland.												
Berwick-on-T. ..	9	9	9	76	August 28	76	August 24, 25	62	January 15	30	February 13	19
Bellingham ..	9	9	9	849	June 21	80	August 25	58	January 16	29	Jan. 20, Feb. 13	16
Cockle Park ..	21	21	9	325	August 28	77	August 24	59	January 16	31	February 5	21
Tynemouth ..	18	7	7	108	August 29	76	August 24, 25	63	January 17	31	January 19	25
Durham.												
Chopwellwood ..	9	9	9	446	August 28	79	August 25	60	January 18	29	January 19	14
Durham ..	21	21	9	336	August 29	79	August 24	60	January 16	31	February 13	15
Houghall ..	9	9	9	160	August 29	82	July 7, Sept. 3	59	Jan. 15, 16, Dec. 10	34	February 5	11
Ushaw College ..	9	9	9	594	August 29	80	August 25	60	January 16	31	February 13	21
Yorks., N. Riding.												
Ampleforth ..	9	9	9	313	June 21, Aug. 29	76	June 21	60	November 24	28	January 19	12
Castleton ..	9	9	9	450	August 29	80	August 24	60	November 24	31	February 13	12
Catterick ..	18	7	7	175	August 29	77	June 29	63	January 19	21	January 19	14
Scarborough ..	9	9	9	118	August 25, 29	79	August 25	61	November 24	34	January 19	19
York ..	21	21	9	57	June 21	81	August 24, 25	60	January 19	28	January 19	16
Hull ..	21	21	9	8	August 29	81	August 24	65	January 19	29	February 13	20
Spurn Head ..	18	7	7	29	August 29	82	August 25, 30, Sept. 11, 12, 25	60	December 8	34	January 19	27
Lincoln.												
Cranwell ..	18	7	7	200	June 21	84	June 22, Sept. 25	59	November 24	30	January 19	18
Cleethorpes ..	9	9	9	23	August 29	81	August 25	60	November 24	31	Jan. 19, 20, Feb. 13	22
Skegness ..	9	9	9	15	August 24, 29	78	August 25	62	November 24	33	January 19	17
3. ENGLAND, E.												
Norfolk.												
Cromer ..	9	9	9	178	June 21	81	August 18	62	February 10	34	January 19	23
Hunstanton ..	9	9	9	105	June 21	86	June 22, 24, July 7, 18, August 18, 25, 30	60	Jan. 18, Feb. 10	35	January 19	23
Suffolk.												
Norwich ..	9	9	9	110	June 21	85	August 18	62	February 10	32	February 12	18
Sprowston ..	9	9	9	93	June 21	83	June 20	64	February 10	33	February 12, 13	18
Terrington ..	9	9	9	13	June 21	88	June 20	61	February 10	33	Jan. 19, Feb. 13	21
Thetford ..	9	9	9	99	June 21	88	June 20	61	February 10	33	February 13	10
(Lynford Nursery)												
Yarmouth ..	18	7	7	5	August 24	78	August 18	63	February 10	33	Jan. 19, Feb. 13	25
Bungay (Flix'n) ..	9	9	9	79	June 21, Aug. 29	82	August 18	62	Feb. 4, 10, 11, Dec. 7	34	Jan. 19, Feb. 12, 13	19
Copdock ..	9	9	9	164	June 20	85	June 22	61	Feb. 10, Dec. 7	33	January 19	17
Hartest ..	9	9	9	250	June 20	85	June 20, 21, 22	60	February 10	34	January 19	11
Lowestoft ..	9	9	9	82	August 24	80	August 18, Sept. 25	62	February 10	34	January 19	22
Mildenhall ..	18	7	7	19	June 20, 21	86	June 20	63	Feb. 16, Nov. 22	32	February 12	18
Cambridge.												
Cambridge (Bot. Gardens)	21	21	9	41	June 20	86	June 20, 21, Aug. 18	61	January 17	34	January 19	16
(Univ. Farm) ..	9	9	9	78	June 20	85	June 20, Aug. 18, September 25	60	November 22	33	January 19	15
Bedford.												
Luton ..	9	9	9	381	June 20	83	June 21	62	February 11	31	January 19	14
Woburn ..	9	9	9	291	June 20	83	August 18	60	November 24	31	January 19	15
Hertford.												
Rickmansworth ..	9	9	9	192	June 21	87	September 21	59	February 11	31	February 12	7
Rothamsted ..	9	9	9	420	June 20	82	June 20, 21	61	February 11	30	January 19	18
St. Albans ..	9	9	9	272	June 20	84	June 21	61	Feb. 11, Nov. 23	31	January 19	17
Essex.												
Clacton-on-Sea ..	9	9	9	53	August 25	78	June 21, Sept. 2	62	February 10	33	December 8	24
Chelmsford ..	9	9	9	134	June 20	86	June 22	61	February 10, 11	34	February 12	17
Chelmsford (Agr. St.)	9	9	9	193	June 20, 21	82	September 21	60	February 11	32	January 19	17
Earls Colne ..	9	9	9	168	June 20	84	June 21, 22	61	February 10	33	January 19	14
Halstead ..	9	9	9	140	June 20	85	June 20, 22, Aug. 18	61	February 10	34	January 19	14
Shoeburyness ..	18	7	7	11	August 24, 30	80	July 5, Sept. 25	62	February 10, 16	34	January 19	21
4. MIDLAND COUNTIES.												
Yorks., W. Riding.												
Askham Bryan ..	9	9	9	90	June 20	80	August 24, 25	(60)	November 22	31	January 19	10
Bingley ..	9	9	9	610	June 21	79	August 24	58	February 13	29	January 19	17
Bradford ..	9	9	9	439	June 21	80	August 24, 25	60	February 13	30	January 19	17
Doncaster ..	9	9	9	26	August 29	82	August 25	60	—	—	—	—
Giggleswick ..	9	9	9	575	June 21	82	June 21	64	January 18	31	January 19	10
Harrogate ..	9	9	9	478	June 21	79	August 24	61	February 13	30	February 13	19
Huddersfield ..	21	21	9	325	June 21	80	August 15, 25, 30	59	Feb. 13, Nov. 24	29	February 13	11
" (Oakes) ..	9	9	9	761	June 21	82	August 25, 30	59	Jan. 16, Feb. 13	30	February 12, 13	20
Meltham ..	9	9	9	514	June 21	81	August 25, 30	60	Feb. 13, Nov. 24	30	February 12	14
Pontefract ..	9	9	9	255	June 21, Aug. 29	77	July 7, Aug. 16, 25, 30	59	November 23, 24	30	January 19	13
Derby.												
Wakefield ..	9	9	9	124	August 25, 29	81	July 7	60	November 23	29	January 19	14
Belper (School) ..	9	9	9	222	June 21	84	June 22	59	November 23	31	January 19, 20	15
Buxton ..	9	9	9	1007	June 21	79	August 25	59	February 10, 13	29	February 13	12
Nottingham.												
Attenborough ..	18	7	7	8	June 21	84	June 22, July 18, September 12, 25	60	Jan. 14, Dec. 9	28	January 19	11
Mansfield ..	9	9	9	357	June 21	86	August 25	59	Jan. 16, Nov. 23, 24	32	February 12	19
Nottingham ..	9	9	9	192	June 21	83	June 22	62	Nov. 24, Dec. 9	32	January 19	15
Sutton Bon'gton ..	9	9	9	157	June 21	81	June 22, July 18	60	January 14	28	January 19	12
Worksop ..	9	9	9	56	June 21	83	July 1, 7, Aug. 15	59	November 24	30	January 19	9
Belvoir Castle ..	21	21	9	259	June 21	83	June 22	62	Jan. 16, 17, Nov. 24	33	February 12	10
Northampton.												
Oundle ..	9	9	9	147	June 21	85	June 22, July 7	61	November 24	30	January 19	16
Warwick.												
Birmingham ..	18	7	7	535	June 21	82	June 20, Aug. 25, September 12, 25	60	January 17	30	Jan. 19, Feb. 12, 13	24
" Sparkhill ..	7	13	7	425	June 21	84	September 25	60	Jan. 16, Dec. 7	33	January 19	14
Coventry ..	9	9	9	241	June 21	83	June 20, 22	61	January 14	28	January 19	11
Rugby ..	21	21	9	390	June 20, 21	82	June 21	59	January 17	34	January 19	13
Stratford-on-Avon ..	9	9	9	210	June 21, 22	82	June 21, 22	60	January 13, 14	31	January 19	14
Oxford.												
Oxford ..	9	9	9	208	June 20, Aug. 29	83	June 21	62	November 24	31	Jan. 19, Feb. 12, 13	21
Bucks.												
Halton ..	9	9	9	544	June 20	84	June 21	63	Feb. 11, Nov. 24	30	February 12	18
Mursley ..	9	9	9	490	June 20, 21	82	June 21	60	November 24	30	February 12	19
Stafford.												
Mayfield ..	9	9	9	374	June 21	82	June 22	60	November 23	31	January 19	9
Shropshire.												
Newport ..	9	9	9	211	August 29	81	September 12	61	January 16	32	January 19	11
Shrewsbury ..	9	9	9	184	June 19, 20, Aug. 29	81	June 20, Sept. 2, 3, 12	60	Jan. 14, 15, 16, Nov. 21	32	January 19	11

TABLE V [1913] (continued).—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above M.S.L.	Warmest Day.		Warmest Night.		Coldest Day.		Coldest Night.			
	Max.	Min.	Rein.		Highest Maximum and Date.	° F.	Highest Minimum and Date.	° F.	Lowest Maximum and Date.	° F.	Lowest Minimum and Date.	° F.		
4. MIDLAND COUNTIES—cont.														
Worcester.	Malvern ..	9	9	9	380	June 20	83	June 21	63	February 11	28	February 12	22	
	Worcester (Perdiswell) ..	9	9	9	94	June 20	84	June 21, 22	61	January 13	28	February 13	18	
Hereford.	Bromyard ..	9	9	9	393	June 20	82	June 21	62	February 11	30	February 12	14	
	Hereford ..	9	9	9	292	June 20, August 29	81	June 20, Sept. 3, 12	60	February 11	29	February 13	13	
Gloucester.	Ross-on-Wye ..	18	7	7	223	June 20	83	September 12	62	February 11	29	February 13	14	
	Bristol (Horfield) ..	18	7	7	206	June 20	85	June 21, Sept. 12	62	February 11	30	February 13	23	
	Cheltenham ..	21	21	9	214	June 20	84	June 21	64	Jan. 14, Nov. 25	33	February 12	21	
	Cirencester ..	9	9	9	443	June 20	84	June 21	61	February 11	30	January 15	20	
	Parkend ..	9	9	9	325	June 21	84	June 21, Sept. 12	60	February 11	30	February 13	17	
5. ENGLAND, S.E.														
London.	Camden Square ..	9	9	9	110	June 20, 21	89	June 21	64	February 11	32	February 12	22	
	East Ham ..	9	9	9	15	June 20, 21, Aug. 29	84	July 7	63	February 11	32	February 12	21	
	Enfield ..	9	9	9	148	June 20	87	June 21	63	February 11	32	Jan. 19, Feb. 13	22	
	Greenwich ..	24	24	9	149	June 21	88	June 20, 21	61	February 11	31	February 12	19	
	Hampstead ..	9	9	9	450	June 20, 21	84	June 20, 21	62	February 11	30	February 4	19	
	Kensington ..	18	9	9	80	June 20	86	June 21	64	February 11	31	February 12	24	
	Regent's Park ..	9	9	9	129	June 21	87	June 21, Aug. 18	65	February 11	32	February 12	23	
	Kew Observatory ..	24	24	24	18	June 20	85	June 20	64	Jan. 14, Feb. 11	33	January 15	22	
	Tottenham ..	21	21	9	51	June 20	87	June 21	65	February 11	32	February 12	23	
	Westminster ..	9	9	9	27	June 20	85	June 21	67	February 11	33	February 12	26	
	Surrey.	Addington ..	9	9	9	472	June 20	84	June 21, Aug. 17, 30, September 25	61	February 11	30	February 12	21
		Croydon ..	18	7	7	217	June 20	86	June 20, 21, Sept. 25	62	February 11	32	February 12, 13	19
	Kent.	Wisley ..	9	9	9	150	June 20	84	September 25	61	January 14	20	February 12, 13	19
Biggin Hill ..		18	7	7	567	June 20	82	June 20, August 30	61	February 11	30	February 12	17	
Bromley ..		9	9	9	213	June 20	87	June 20, 21	62	February 11	31	February 12, 13	18	
Canterbury ..		9	9	9	135	June 20, 21	85	July 5	62	February 10, 11	32	February 12	16	
Dover ..		9	9	9	22	June 20, 21	81	June 21	65	February 10, 11	36	February 11	25	
Dungeness ..		18	7	7	20	June 21	77	July 7	63	December 7	31	Feb. 5, Dec. 8	22	
East Malling ..		9	9	9	132	June 20	85	July 5	60	February 11	31	February 12, 13	17	
Folkestone ..		9	9	9	101	June 19	84	June 21	65	February 10	34	February 11	24	
Goudhurst ..		9	9	9	290	June 20	84	June 20, July 5, September 21, 25	59	February 11	32	February 12	17	
Lympne ..		18	7	7	346	June 19	83	June 21	65	February 11	32	February 12	22	
Sussex.	Manston ..	18	7	7	142	June 21	83	June 21	63	February 11	33	February 12	22	
	Margate ..	9	9	9	51	June 21	81	June 21	65	February 10	33	February 11, 12	26	
	Tunbridge W. ..	9	9	9	355	June 20	88	June 21	63	February 11	31	December 8	20	
	Wye ..	9	9	9	164	June 20	85	June 21	63	February 11	31	February 13	20	
	Ardingly ..	9	9	9	437	June 20	85	June 21	62	February 11	31	February 12	22	
	Beachy Head ..	18	7	7	502	June 20	77	June 19	64	Feb. 8, March 1	37	February 4	22	
	Brighton ..	9	9	9	32	June 20	84	June 19	64	February 11	34	February 5	27	
	Eastbourne ..	21	21	9	35	June 20	77	June 19	64	February 11	35	February 5, 13	25	
	Hastings ..	21	21	9	149	June 19, 20	83	June 19	65	February 11	35	February 12	26	
	Berkshire.	Ascot H'therw'd ..	21	21	9	300	June 20	83	June 21	61	February 11	31	February 12	21
Hampshire.	Reading ..	9	9	9	152	June 20	86	June 21	62	February 11	32	February 12, 13	22	
	Shinfield ..	9	9	9	200	June 20	86	June 21, Aug. 18	61	February 11	32	February 12, 13	21	
	Warfield ..	9	9	9	220	June 20	84	June 21	61	Feb. 11, Nov. 24	33	February 12, 13	19	
	Bournemouth ..	9	9	9	139	June 20	81	September 12	62	February 11	34	December 7	23	
	Calshot ..	18	7	7	8	June 25	79	September 12	63	Jan. 17, Feb. 11, Nov. 24, Dec. 7	36	December 8	25	
Isle of Wight.	Leckford ..	9	9	9	385	June 20, Aug. 29	82	June 21	62	February 11	31	Feb. 13, Nov. 23, December 11	21	
	Long Sutton ..	9	9	9	479	June 20	84	June 21	61	February 11	29	February 13	17	
	Southampton ..	21	21	9	64	August 29	81	June 21	62	February 11	33	Feb. 12, Dec. 8	26	
	S. Farnboro' ..	18	7	7	237	June 20	86	June 21, Sept. 25	61	February 11	31	February 12	18	
	Newport ..	9	9	9	48	June 20	83	August 18, Sept. 25	61	February 11	34	December 8	22	
	Ryde ..	9	9	9	13	June 24, 25, Aug. 30	79	June 21, Aug. 18, Sept. 1, 2, 12, 25	61	February 11	35	December 8, 13	28	
	Sandown ..	9	9	9	13	August 31	78	September 12	62	February 10, 11	37	Feb. 4, Dec. 8	28	
	Totland Bay ..	9	9	9	140	June 19	79	June 21, Sept. 2	61	February 11	33	December 8	25	
	Ventnor (Hospital) ..	9	9	9	59	June 19	78	Aug. 26, Sept. 2, 12	62	February 11	36	January 18	29	
	Amesbury (Boscombe Down) ..	18	7	7	417	June 20, Aug. 29	83	June 19, 21	61	February 11	30	December 8	22	
Wilts.	Larkhill ..	9	9	9	440	August 29	84	June 21	61	February 11	30	Feb. 16, Dec. 8	22	
	Marlborough ..	9	9	9	424	August 29	83	June 21	62	February 11	30	December 8	19	
	Porton ..	9	9	9	363	August 29	83	June 19	60	February 11	30	December 8	20	
	7a. ENGLAND, N.W.													
	Cumberland.	Keswick ..	9	9	9	254	June 21	83	June 21	65	January 15	32	February 13	13
Newton Rigg ..		21	21	9	560	June 21	84	August 24	62	January 19	27	December 7	15	
Westmorland.	Ambleside ..	9	9	9	145	June 21	85	June 20	62	Jan. 15, 19, Nov. 23	33	February 13	15	
	Appleby ..	9	9	9	440	June 21	83	September 12	60	Jan. 18, Feb. 3, 11	31	Feb. 4, 13, Dec. 7, 8	14	
Lancashire.	Bolton ..	9	9	9	342	June 21	85	June 21, 22, Sept. 12	61	January 16	32	January 19	19	
	Burnley ..	9	9	9	458	June 21	82	August 24, 25	61	Feb. 11, Nov. 23	31	January 19	13	
	Darwen ..	21	21	9	724	June 21	84	August 24	60	Jan. 16, Dec. 7	31	January 17	21	
	Hutton ..	9	9	9	82	June 21	85	June 21, 22, Sept. 12	61	January 14	30	January 19	16	
	Lancaster ..	9	9	9	312	June 21	86	June 22	63	January 16	34	December 7	21	
	Leyland ..	9	9	9	125	June 21	84	September 12	61	Jan. 14, 16, Nov. 23	32	January 17, 19	17	
	Manchester—(Barton) ..	18	7	7	70	June 21	85	September 12	62	January 14	29	January 19	9	
	(Oldham Road) ..	21	21	9	191	June 21	88	June 21	64	January 17	32	January 19	22	
	(Whitworth Pk.) ..	21	21	9	125	June 21	86	June 21, Sept. 12	62	Jan. 17, Nov. 23	33	January 19	19	
	Southport (Bedford Rd. Pk.) ..	9	9	9	35	June 21	84	Aug. 25, Sept. 12	61	January 16	32	January 19, 20	22	
Cheshire.	Stonyhurst ..	9	9	9	377	June 21	82	June 22	61	November 23	30	January 19, 20	18	
	Bidston Obs'y ..	9	9	9	198	June 21	83	June 21	61	Jan. 15, 16, Dec. 10	33	January 19, 20	23	
	Hoylake ..	9	9	9	23	June 20, 21	83	September 12	61	January 15, 16	34	February 12	20	
	Macclesfield ..	9	9	9	500	June 21	83	June 21	64	Jan. 16, Feb. 10, November 23	32	January 19	19	
	West Kirby ..	9	9	9	25	June 21	85	June 21	61	January 15, 16	33	January 19	21	

TABLE V [1913] (continued).—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation			Height of Station above M.S.L.	Warmest Day.		Warmest Night.		Coldest Day.		Coldest Night.	
		Max.	Min.	Rain.		Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.	
						° F.		° F.		° F.		° F.	
7b. NORTH WALES.													
Flint.	Harwarden Bridge	9	9	9	17	June 20	82	June 21, Sept. 12	61	Jan. 15, 16, Dec. 10	33	January 19	16
	Rhyl	9	9	9	31	June 20	84	June 21	64	Jan. 16, Feb. 10, 11	35	January 19, 20	22
	Sealand	18	7	7	16	June 20, 21	83	September 3, 12	61	January 19	31	January 19	14
Anglesey.	Holyhead	18	7	7	26	June 20, 21	73	September 3	61	January 15, 16, 19	38	January 19	30
Denbigh.	Colwyn Bay	9	9	9	118	June 20	82	June 20, 21, Aug. 15, September 12, 25	61	February 10	35	February 12	23
Carnarvon.	Aber	9	9	9	60	June 20	82	September 3	63	January 16	37	January 19	27
	Llandudno	9	9	9	13	June 20	82	June 20, 21, Aug. 30, September 2, 12	61	February 10	36	January 19	26
Montgomery.	Welshpool	9	9	9	254	June 20	81	June 21	63	Jan. 16, Feb. 11	32	January 19	12
8a. SOUTH WALES.													
Cardigan.	Aberystwyth	9	9	9	12	June 20	82	September 2	63	Jan. 16, Feb. 11	36	January 17	25
	" P.B.S.*	9	9	9	452	June 20	81	June 19	62	February 11	32	January 17	25
	Ciliau Aeron	9	9	9	252	June 20	82	September 2	61	January 16, 18	34	January 17	17
Pembroke.	St. Ann's Head	18	7	7	142	August 25	74	September 2	61	Jan. 16, Feb. 8, 11	37	Feb. 16, March 4	32
Radnor.	Llandrindod Wells	9	9	9	772	August 29	80	June 20	60	February 11	28	January 19	17
	Rhayader	9	9	9	757	June 20	78	September 2, 12	60	February 11	28	January 19	15
Brecknock.	Cantref	9	9	9	1080	June 20	77	June 21	60	February 11	30	February 4	20
Glamorgan.	Cardiff	21	21	9	202	June 20	82	June 21	65	February 11	33	February 4	26
	Swansea	9	9	9	32	June 20, 25	77	August 26	64	February 11	36	Jan. 17, Feb. 4, 8, March 3	30
8b. ENGLAND, S.W.													
Monmouth.	Newport	9	9	9	265	June 20	83	September 12	61	February 11	30	February 13	24
	Usk	9	9	9	70	June 20	81	September 2, 3	60	February 11	31	March 4	19
Somerset.	Bath	9	9	9	67	June 20	85	June 21, Sept. 12	63	February 11	31	Feb. 4, 12, 13, Dec. 8	25
	Cannington	9	9	9	95	August 29	81	September 2	62	February 11	33	November 28	25
	Long Ashton	9	9	9	162	June 20	82	June 27	62	February 11	32	February 13	24
Dorset.	Holton Heath	9	9	9	64	August 29, 30	79	September 12	62	November 23	34	December 8	21
	Portland Bill	18	7	7	32	June 19, Aug. 25, 29	71	June 19, Aug. 25, September 2	62	Feb. 11, Nov. 23	38	November 25	31
Devon.	Shaftesbury	9	9	9	722	June 20, Aug. 25	79	June 21	63	February 11	30	February 8, 13	24
	Arlington	9	9	9	613	August 29	79	June 21	62	February 11	39	Feb. 8, 16, March 4, April 23	27
	Cullompton	9	9	9	202	August 29	83	June 21, Sept. 3, 12	61	February 11	35	December 13	24
	Ilfracombe	9	9	9	25	June 20	79	September 2, 3	63	February 8	37	February 8, 9	30
	Killerton	9	9	9	159	August 25, 29	82	September 3	61	February 11	35	Nov. 29, Dec. 13	26
	Moretonhampstead	9	9	9	798	August 25, 29	75	September 2	60	February 8	34	March 4	27
	Newton Abbot	9	9	9	375	August 29, 30, 31	81	June 21, Aug. 26, September 2, 3	60	February 8	37	February 16	28
	Paignton	9	9	9	12	June 26, Aug. 31	76	September 2, 3	62	January 22	38	December 13	27
	Plymouth (Hoe)	21	21	9	117	June 26, Aug. 29, 31	78	September 2	63	February 8, 11	39	March 4, Dec. 13	29
	Plymouth (Mount Batten)	18	7	7	82	June 25	78	June 19	63	February 8, 11	39	March 4, Dec. 13	29
	Princetown	9	9	9	1430	August 28, 29	77	September 2, 3	57	February 8	32	November 24	24
	Sidmouth	9	9	9	25	June 26, Aug. 31	78	September 3	62	February 11	38	December 13	28
	Tavistock	9	9	9	457	August 29	81	August 26	62	Jan. 22, Feb. 11	38	December 13	27
	Teignmouth	9	9	9	20	August 31	79	June 26, Sept. 2, 3	62	January 16	39	December 24	30
	Torquay	9	9	9	27	June 26	76	September 2, 3	62	Jan. 22, Feb. 8	39	Feb. 26, 29, Dec. 13	29
Cornwall.	Falmouth Obs.	9	9	9	167	August 31	76	September 2	63	Jan. 22, Feb. 22	42	March 4	31
	Fowey	9	9	9	51	August 31	79	September 2, 3	62	Jan. 22, Feb. 8, 11	42	March 4	32
	Gulval	9	9	9	20	August 25	77	June 25	62	February 7, 8	43	April 14, 15, 23	30
	The Lizard	18	7	7	240	August 31	71	Aug. 26, Sept. 2, 3	61	February 8	40	Jan. 17, Feb. 4, 8, March 3, 4	34
	Newquay	9	9	9	190	August 29	76	September 2	62	February 8	38	March 4, Nov. 27	31
	Redruth	9	9	9	397	June 25	75	September 2	61	February 29	39	Feb. 4, April 14	31
9. IRELAND, N.													
Sligo.	Markree Cas.	21	21	9	122	June 21, Aug. 26	77	August 24	62	Jan. 19, Feb. 4	34	January 14	21
Mayo.	Blacksod Pt.	18	7	7	18	August 26	73	September 2	61	Jan. 14, 15, 16, 19, 21	41	Jan. 2, 13, 17, 19, Feb. 3, 4, 8, 11, 12, March 11	32
Donegal.	Mallaranny	9	9	9	113	August 26	78	June 22	61	January 1, 19	37	January 2	25
	Malin Head	18	7	7	84	June 22, Sept. 3	71	September 3	62	January 15	36	February 12	29
Antrim.	Aldergrove	18	7	7	238	June 21	77	August 24	62	January 16, 20, 22	34	January 19	18
Down.	Donaghadee	8	8	8	40	August 29	75	August 25	62	January 22	37	January 19	26
	Hillsborough	9	9	9	388	June 21, Aug. 29	74	August 24	61	January 18	30	January 19	22
Armagh.	Armagh	21	21	9	204	August 25	78	August 24	62	January 14	34	January 19	22
Longford.	Newtownforbes	21	21	9	154	August 25	77	August 24	61	January 13	33	January 13	18
10. IRELAND, S.													
Dublin.	Dublin City	21	21	9	54	August 29	76	August 24	65	November 22	36	January 13	26
	Glasnevin	21	21	9	55	August 29	80	August 24	64	January 22	35	January 13	19
	Phoenix Park	21	21	9	155	August 29	78	August 24	62	January 2	35	January 13	19
	Trin. Coll.	21	21	9	13	August 17, 25	76	August 24	65	January 2, 21, 22	38	January 13	26
	Hazelhatch (Peamount San.)	9	9	9	366	August 29	(80)	August 24	(62)	January 20	35	January 13	21
	Rathfarnham	9	9	9	169	August 29	78	August 24	64	January 20	35	January 13	22
Wicklow.	Newcastle	21	21	9	256	August 29	78	August 24	60	January 16	36	January 19	26
Offaly.	Birr Castle	18	7	7	173	June 26, Aug. 25, 26	78	Aug. 24, Sept. 2	62	January 2, 13	33	January 13	20
Waterford.	Seskin, Carrick-on-Suir	21	21	9	535	August 29	76	September 1	61	January 16	34	January 3	26
	Waterford	9	9	9	137	August 31	75	September 1	62	January 16, 20	36	Jan. 3, 13, 17, 22, 23, February 4	29
Limerick.	Foynes	9	9	9	43	August 26	78	August 24	61	January 2	34	Jan. 3, 13, Feb. 8, 9	26
Kerry.	Valentia Obs.	24	24	24	30	August 26	74	August 26	63	January 20	41	February 21	32
Cork.	Ballinacurra	9	9	9	24	August 31	75	September 2	60	January 2, 20	37	December 13	25
	Cork	9	9	9	57	August 31	80	September 2	61	January 2, 20	37	Nov. 20, Dec. 13	27
	Roche's Pt.	18	7	7	22	August 31	71	September 2	62	January 20	38	Jan. 3, Feb. 4	33
11. CHANNEL ISLES AND SCILLY.													
Scilly.	St. Mary's	18	7	7	163	June 18, 23	72	September 2	61	February 8, 22	40	March 2, April 17	35
Guernsey.	St. Peter Port	18	7	7	175	August 30	78	September 12	63	February 8	38	February 8	30
Jersey.	St. Heliers	9	9	9	28	June 20, Aug. 29	81	June 19	64	February 8	38	February 8	28
GIBRALTAR	.. ..	18	7	7	393	June 28	89	Aug. 23, 25, Sept. 13, 14	72	February 25	49	Feb. 25, Mar. 2, 3	43
MALTA	.. ..	18	7	7	231	July 21	96	July 21	79	February 7	49	February 4	41

TABLE VI.—MONTHLY FREQUENCIES OF SUNSHINE FOR 20 STATIONS.—NUMBER OF DAYS in each MONTH on which the DURATION of SUNSHINE was

STATION.	January.					February.					March.					April.					May.					June.				
	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.
Kirkwall	15	13	3	0	0	11	11	7	0	0	11	13	5	1	1	2	6	4	13	5	4	4	7	6	10	0	5	4	8	13
Aberdeen	12	11	7	1	0	10	9	9	1	0	13	8	7	3	0	1	10	4	6	9	4	4	7	5	11	1	3	4	6	16
Cockle Park ..	14	7	8	2	0	12	8	5	4	0	14	11	2	4	0	4	3	4	10	5	5	7	5	6	8	3	5	5	6	11
Cambridge .. .	13	13	5	0	0	9	10	4	6	0	6	15	4	5	1	2	10	8	5	5	4	6	8	8	5	2	7	3	6	10
Birmingham ..	12	16	2	1	0	8	9	6	6	0	11	13	7	0	0	4	10	5	6	5	4	12	7	4	6	3	9	8	5	5
Kew Observatory ..	12	16	2	1	0	6	12	6	5	0	5	12	11	2	1	3	9	9	5	4	2	6	5	10	8	3	7	6	4	10
Southampton ..	14	14	2	1	0	5	12	7	5	0	8	13	5	5	0	6	5	10	1	8	1	5	7	9	9	2	7	5	4	10
Rothsay .. .	11	14	6	0	0	9	10	3	5	2	11	15	4	1	0	0	9	5	9	7	5	4	7	6	9	4	3	5	7	11
Renfrew (Abbotsinch)	17	8	5	1	0	15	6	5	3	0	17	7	5	2	0	0	7	12	7	4	3	7	9	4	8	4	7	7	3	9
Eskdalemuir ..	16	8	5	2	0	10	9	4	6	0	13	10	6	2	0	2	6	8	5	9	3	5	8	5	10	2	6	7	4	8
Douglas .. .	12	9	10	0	0	6	13	7	3	0	11	11	6	3	0	3	5	3	6	13	1	4	10	1	15	1	6	7	4	11
Southport .. .	11	18	1	1	0	8	10	7	4	0	9	16	6	0	0	3	5	5	8	9	0	10	4	5	12	3	8	4	8	7
Stonyhurst .. .	11	16	3	1	0	8	13	5	3	0	9	15	6	1	0	3	3	9	7	8	2	6	6	6	11	6	7	9	4	4
Holyhead .. .	8	17	5	1	0	6	12	5	6	0	5	19	6	1	0	3	4	2	9	12	2	5	5	5	14	2	4	6	7	11
Falmouth .. .	13	12	3	3	0	10	10	6	3	0	6	12	7	4	2	5	3	11	4	7	2	6	7	4	12	0	7	7	11	5
Markree Castle ..	13	14	4	0	0	6	14	6	3	0	3	20	5	3	0	6	6	6	5	7	1	7	6	10	7	5	8	6	3	6
Armagh .. .	13	13	5	0	0	7	11	6	4	1	7	14	7	3	0	3	7	4	10	6	2	9	5	8	7	5	8	5	3	12
Dublin (Phoenix Park)	13	9	9	0	0	8	12	4	5	0	7	14	8	2	0	7	6	7	6	4	2	7	8	4	10	1	6	10	6	7
Birr Castle .. .	13	11	7	0	0	9	9	7	4	0	9	9	8	5	0	6	5	5	10	4	2	6	7	6	10	1	9	9	6	5
Valentia Observatory	12	14	5	0	0	7	10	10	2	0	3	12	9	6	1	3	4	10	8	5	1	5	6	8	11	3	8	6	8	5

TABLE VII [1913].—COLDEST DAY and WARMEST NIGHT in each month for 20 STATIONS. Date on which the lowest reading

STATION.	January.				February.				March.				April.				May.				June.			
	Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.	
	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.
Kirkwall ..	13, 19	35	1	42	4	33	19	41	2	38	17	45	21	40	28, 29	45	5, 30	47	16	48	1	50	22, 24	55
Aberdeen ..	19	33	7	43	4	34	18	41	2	38	17, 30	44	21	40	25	45	5	46	15, 26	48	2	49	28	57
Cockle Park	16	31	10	44	11	34	18, 24	36	2	37	17, 23	41	18	40	27, 28	41	5, 6	47	26	47	3	47	22, 23	53
Cambridge ..	17	34	10	48	5, 11, 16, 28	36	1	42	1	37	30	50	15	41	25	51	9	51	17, 18	56	2	53	20, 21	61
Birmingham ..	17	30	10	46	11	32	18	41	1	36	30	48	5, 13	42	25	49	3	50	16	53	3, 4	50	20	60
Kew Obs. ..	14	33	10	49	11	33	18	46	1, 4	39	29	51	13	43	25	51	28	52	16, 17	55	3	58	20	64
Southampton ..	17	37	10	49	11	33	18, 19	45	3, 13	41	22, 29	48	5	45	1, 2, 25	47	21, 23	56	16	55	1	56	21	62
Rothsay ..	16, 19	34	7, 10	42	13	36	18	40	2	41	22, 23	46	13	46	28, 29	45	15, 17	52	11	49	1	51	19, 21, 22, 28	56
Renfrew (Abbotsinch)	15, 19	25	10	44	12	29	19	39	9	39	30	48	2, 13	46	25, 28	47	6	52	15	53	1	53	23	59
Eskdalemuir ..	19	27	9	42	3	34	18	38	1	35	22	45	14	40	25	43	24	47	18	47	3	52	20	55
Douglas ..	15	37	10	47	11	37	1	42	3	40	30	46	14	41	25	46	16	51	19	52	1	53	21	61
Southport ..	16	32	10	45	10	35	2	40	1, 13	40	30	48	14	43	25	48	30	51	12	53	3	52	22	60
Stonyhurst ..	16	31	10	44	11	32	1, 19	40	14	37	23	48	14	41	25	47	30	50	27	52	3	50	22	61
Holyhead ..	15, 16, 19	38	9, 10	47	10	39	1, 6	44	1, 3	41	22, 29	48	12, 21	44	25	48	16	49	19	51	1, 4	52	21	58
Falmouth ..	22	42	10	51	22	42	1	47	1, 2	44	29	50	4, 15	46	25	51	3	51	12, 26, 27, 28	52	1, 3, 4	56	19, 21, 23, 26	58
Markree Castle	19	34	10	44	4	34	6	46	2	44	30	48	21	42	28	47	6	51	19	52	1	50	20, 22, 28	59
Armagh ..	14	34	10	43	11	38	6	43	1	42	30	48	14	41	25	47	24	51	11	49	1	52	22	58
Dublin (Phoenix Pk.)	2	35	10	45	11	38	6, 18	42	13	42	30	49	21	42	28	45	23	50	19	49	1	54	27, 30	57
Birr Castle ..	2, 13	33	10	45	8	38	6	47	1	42	29	49	21	38	25	46	5, 24	53	19	53	1	51	20, 21	59
Valentia Obs.	20	41	9	47	3	42	6	51	1	43	29, 31	50	13	46	28	49	7	53	19	55	1	53	28	61

TABLE VIII [1914].—NUMBER OF DAYS in the YEAR with RAINFALL between given limits.

STATION.	STATION.								STATION.	STATION.							
	0 in. or 0.1 mm.	0.01-0.04 in. or 0.2-1.0 mm.	0.05-0.20 in. or 1.5-5.0 mm.	0.21-0.40 in. or 5.1-10.0 mm.	0.41-0.60 in. or 10.1-15.0 mm.	0.61-0.80 in. or 15.1-20.0 mm.	0.81-1.00 in. or 20.1-25.0 mm.	≥ 1.00 in. or 25 mm.		0 in. or 0.1 mm.	0.01-0.04 in. or 0.2-1.0 mm.	0.05-0.20 in. or 1.5-5.0 mm.	0.21-0.40 in. or 5.1-10.0 mm.	0.41-0.60 in. or 10.1-15.0 mm.	0.61-0.80 in. or 15.1-20.0 mm.	0.81-1.00 in. or 20.1-25.0 mm.	≥ 1.00 in. or 25 mm.
Kirkwall ..	145	56	114	38	6	4	2	1	Douglas ..	162	44	80	38	22	5	8	7
Aberdeen ..	180	70	77	26	6	6	1	0	Southport ..	179	58	69	38	14	4	4	0
Cockle Park ..	178	72	72	21	13	6	4	0	Stonyhurst ..	152	63	73	45	12	10	9	2
Cambridge ..	204	60	64	24	8	1	4	1	Holyhead ..	158	64	83	28	23	3	4	3
Birmingham ..	177	43	93	32	13	5	1	2	Falmouth ..	157	45	89	37	19	10	7	2
Kew Observatory ..	198	51	81	22	10	3	1	0	Markree Castle ..	121	62	109	43	25	3	3	0
Southampton ..	194	32	86	27	17	5	3	2	Armagh ..	159	64	82	38	14	5	1	3
Rothsay ..	136	61	84	45	20	13	5	2	Dublin (Phoenix Pk.)	155	75	95	24	6	9	1	1
Renfrew (Abbotsinch)	157	63	73	43	18	5	2	5	Birr Castle ..	154	71	89	27	15	9	0	1
Eskdalemuir ..	146	58	72	41	20	12	6	11	Valentia Obs. ..	121	61	105	44	17	6	4	8

(1) nil, (2) 3 hours or less, (3) more than 3 hours but not more than 6 hours, (4) more than 6 hours but not more than 9 hours, (5) more than 9 hours.

Sunless.	July.				August.				September.				October.				November.				December.				Year.					STATION.					
	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	∧ 9 hours.						
5	9	8	4	5	1	16	8	4	2	8	5	8	4	5	3	19	4	3	2	8	12	8	2	0	13	16	2	0	0	81	129	68	45	43	Kirkwall.
3	13	2	9	4	1	9	7	5	9	9	8	5	6	2	9	7	5	9	1	6	14	9	1	0	8	17	6	0	0	77	113	72	52	52	Aberdeen.
3	11	3	8	6	3	4	11	4	9	8	8	5	6	0	5	12	7	6	1	8	13	7	2	0	8	12	11	0	0	87	101	76	58	44	Cockle Park.
4	4	7	9	5	4	4	9	4	8	2	15	6	6	1	4	14	5	5	3	12	11	6	1	0	13	11	7	0	0	75	125	71	57	38	Cambridge.
4	10	9	7	1	1	10	7	6	7	3	16	8	3	0	5	14	5	5	2	14	9	7	0	0	13	9	9	0	0	80	137	80	43	26	Birmingham.
2	10	6	10	2	2	5	9	7	8	3	16	6	4	1	5	14	8	3	2	12	13	3	2	0	14	9	3	5	0	69	130	74	58	35	Kew Observatory.
13	6	5	5	2	2	4	7	7	11	3	13	4	6	4	6	8	8	9	0	13	7	7	3	0	13	7	9	2	0	75	108	77	59	47	Southampton.
3	8	7	9	4	3	10	7	10	1	5	14	3	7	1	4	14	9	3	1	10	15	5	0	0	27	4	0	0	0	92	120	61	57	36	Rothesay.
3	10	7	8	3	1	14	4	8	4	5	15	6	3	1	4	14	7	4	0	14	13	3	0	0	15	15	1	0	0	100	123	71	43	29	Renfrew (Abbotsinch).
4	14	7	4	2	4	9	7	6	5	4	14	6	5	1	7	12	6	4	2	10	14	4	2	0	15	11	5	0	0	90	119	75	45	37	Eskdalemuir.
2	13	4	7	5	3	5	11	5	7	3	10	11	3	3	6	9	9	5	2	7	13	9	1	0	12	14	5	0	0	67	112	92	39	56	Douglas.
1	13	10	2	5	3	5	7	7	6	8	12	10	2	4	5	13	8	5	0	8	14	8	0	0	12	14	5	0	0	65	142	75	40	44	Southport.
3	12	8	6	2	2	12	5	6	6	6	8	12	3	1	6	12	8	3	2	9	14	6	1	0	14	12	5	0	0	79	130	82	41	34	Stonyhurst.
0	11	7	5	6	4	5	8	4	10	3	10	7	6	4	4	10	8	1	1	8	10	9	3	0	15	14	4	0	0	58	123	72	55	58	Holyhead.
1	11	7	6	6	3	4	3	8	8	13	7	5	9	6	3	10	10	8	0	9	13	7	2	0	9	13	7	2	0	64	108	79	64	51	Falmouth.
4	16	6	2	3	1	13	9	6	2	5	11	6	5	3	6	11	8	6	0	10	12	7	1	0	14	12	5	0	0	74	141	76	47	28	Markree Castle.
3	16	6	3	3	1	11	6	7	6	3	12	8	5	2	3	17	5	6	0	10	14	4	2	0	12	13	6	0	0	66	145	67	51	37	Armagh.
2	12	10	6	1	1	10	10	5	6	5	12	5	7	1	1	13	9	8	0	8	11	9	2	0	10	15	5	1	0	65	126	94	52	29	Dublin (Phoenix Park).
3	19	4	4	1	2	14	7	3	5	5	8	9	5	1	1	11	10	5	1	10	11	9	0	0	10	16	5	0	0	74	128	87	48	29	Birr Castle.
3	11	4	9	4	6	9	3	5	8	5	10	6	4	5	6	11	10	4	0	7	17	4	2	0	14	13	4	0	0	70	124	77	56	39	Valentia Observatory.

for the month of the maximum thermometer and the highest reading of the minimum thermometer were recorded.

July.		August.				September.				October.				November.				December.				Year.				STATION.		
Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.	Coldest Day.	Warmest Night.		Coldest Day.	Warmest Night.
Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.		Date.	Min.
21	55	7, 8, 26	55	4, 30	56	28	57	26	50	10, 11, 12	55	19, 27	46	22, 23	51	13, 25	44	3	44	2	37	31	44	Feb. 4	33	Aug. 28	57	Kirkwall.
23	58	4	58	6	58	15	58	26	49	11	57	27	46	21	52	24	37	7, 12	43	5	38	20	47	Jan. 19	33	Aug. 15	58	Aberdeen.
11, 19	61	1, 3, 4	55	6	55	24	59	30	52	3	57	27	45	22	50	25, 26	41	12	41	7	33	20, 21	46	Jan. 16	31	Aug. 24	59	Cockle Park.
21, 22	59	7, 13	59	7	60	18	61	27	54	21	58	8	51	17	50	25	35	12, 30	49	7	35	18	47	Jan. 17	34	{ June 20, 21, Aug. 18 }	61	Cambridge.
10, 11	59	13	57	19	59	25	60	30	54	12, 25	60	28, 31	48	15	52	23	33	30	47	7	32	18	52	Jan. 17	30	{ June 20, Aug. 25, Sept. 12, 25 }	60	Birmingham.
9	61	7	61	7	60	31	60	27	55	25	60	8	50	23	53	24	37	16	51	7	35	3	49	{ Jan. 14, Feb. 11 }	33	June 20	64	Kew Obs.
9, 23	62	5, 7, 18	59	6, 19	63	1, 18, 20	59	30	56	12, 25	60	8	50	30	54	24	35	17	52	10	39	3, 18	49	Feb. 11	33	June 21	62	Southampton.
25	57	7, 18, 19	55	19	57	15, 16, 24, 25	56	26	52	11	57	28	49	22	53	23	39	2, 3	45	7	36	31	46	Jan. 16, 19	34	Sept. 11	57	Rothesay.
25	57	18, 19	57	19	59	15, 25, 30	59	26	53	12	60	27	46	22	55	22	32	4, 29	47	7	33	31	49	Jan. 15, 19	25	Sept. 12	60	Renfrew (Abbotsinch).
24	55	18	56	19	55	24	60	26	51	11	57	27	43	21, 22	50	23	36	3	42	7	31	21	45	Jan. 19	27	Aug. 24	60	Eskdalemuir.
12	57	7, 18, 26, 31	55	6, 14	60	25, 30	60	26	54	2	60	27	47	15	53	25	44	2, 4	45	6, 12	42	18	45	{ Jan. 15, Feb. 11 }	37	June 21	61	Douglas.
11	60	5, 18	58	6	62	25	61	26, 30	57	12	61	27	50	15, 17	54	23	35	30	48	9, 10	35	21	50	Jan. 16	32	{ Aug. 25, Sept. 12 }	61	Southport.
13	59	1, 5, 7, 18	57	4	58	24, 25	59	26, 30	55	12	60	25, 27	47	17	52	23	30	3	45	12	35	21	48	Nov. 23	30	June 22	61	Stonyhurst.
11, 26	58	5	57	9	59	30	59	26, 28	56	3	61	25	49	15, 17	56	23	43	2	51	28	41	3, 18	50	Jan. 15	38	Sept. 3	61	Holyhead.
12, 18	62	5	59	5	62	26	62	29	59	2	63	9, 31	54	3, 15, 30	55	26	45	17	54	6, 10	44	18	50	{ Jan. 16, 19, Feb. 22 }	42	Sept. 2	63	Falmouth.
27, 31	58	1, 31	56	11	60	24	62	26	58	2	60	27	50	14	53	22	38	30	45	5, 6, 7, 12	42	3	48	{ Jan. 19, Feb. 4 }	34	Aug. 24	62	Markree Castle.
25	58	31	57	20	63	24	62	26	54	2	60	27	44	14, 22	52	22, 25	36	3, 4	43	6	39	3, 20	48	Jan. 14	34	Aug. 24	62	Armagh.
9, 11, 22, 25	59	31	55	5, 6	63	24	62	26, 28, 30	56	2	59	27	53	15, 17	53	21, 22	39	2	45	6	39	21	50	Jan. 2	35	Aug. 24	62	Dublin (Phoenix Pk.)
25	59	31	57	20	61	24	62	26, 30	58	2	62	25, 27	49	15	55	26	35	17	52	5	40	21	50	Jan. 2, 13	33	{ Aug. 24, Sept. 2 }	62	Birr Castle.
28	61	3	58	11	60	26	63	27	57	2	61	31	53	3	59	20	47	2	52	6	45	2	51	Jan. 20	41	Aug. 26	63	Valentia.

TABLE IX [1913].—NUMBER OF DAYS in the YEAR with MAXIMUM and MINIMUM TEMPERATURES between given limits.

STATION.	MAXIMUM TEMPERATURE.								MINIMUM TEMPERATURE.								STATION.	MAXIMUM TEMPERATURE.								MINIMUM TEMPERATURE.							
	32° or less.	33° to 41°.	42° to 50°.	51° to 59°.	60° to 68°.	69° to 77°.	78° to 86°.	Above 86°.	5° or less.	6° to 14°.	15° to 23°.	24° to 32°.	33° to 41°.	42° to 50°.	51° to 59°.	Above 59°.		32° or less.	33° to 4														

Wind Section.

TABLE X.—PARTICULARS OF ANEMOGRAPHS.

District and Station.	Type*	Anemograph in action from	"Analysis" published from	Height of Vane or Cups.			NOTES.
				Above Mean Sea Level.	Above Ground.	Effective Height. †	
o. SCOTLAND, N.				Ft.	Ft.	Ft.	
Lerwick ..	D †	1923	1923	310	53	39	New instrument 1st January, 1931.
Kirkwall ..	D †	1929	1930	170	40	35	
Stornoway ..	D †	1936	1936	170	40	36	
1. SCOTLAND, E.							
Aberdeen ..	R	1868	1909	110	75	—	Type D on new site, The Glebe, used for all wind data as from 1st January, 1936. (1) The effective height for directions 40°-110° is 8 feet (see also note on page 191).
" ..	d	1907	1909-19	153	105	—	
" ..	D †	1922	1922	70	42	32 (1)	Instrument is installed on Lighthouse top. (See <i>Met. Mag.</i> , 1929, p. 177).
Bell Rock ..	D †	1929	1930	130	—	126	
Edinburgh ..	D	1915	1915	485	39	23	
6a. SCOTLAND, W.							
Tiree ..	D †	1926	1927	75	50	42	New instrument with 1 inch pipes installed 11th August, 1933.
Paisley ..	D	1914	1914	188	81	31	
Abbotsinch ..	D †	1934	1934	65	46	34	
Eskdalemuir ..	d †	1911	1911-13	825	50	35	
" ..	D †	1914	1914	825	50	35	
6b. ISLE OF MAN.							
Point of Ayre ..	D	1936	1936	70	40	35	
2. ENGLAND, N.E.							
South Shields ..	D †	1909	1911	73	57	44	On 22nd April, 1927, the instrument was removed from Groyne Lighthouse and re-erected on the South Pier. New instrument with 1 inch pipes in use from 11th August, 1933, at a height of 62 feet above M.S.L. The height was raised to 73 feet in May, 1934. A Robinson cup-anemograph was in action on the High Lighthouse at N. Shields from September, 1886, to 1910.
Catterick ..	D †	1932	1932	220	45	33	New instrument with 1 inch pipes installed 15th October, 1933.
Spurn Head ..	D	1913	1914	64	42	34	
Cranwell ..	D †	1927	1921	284	43	33	
3. ENGLAND, E.							
Gorleston ..	D †	1920	1912	52	42	34	New instrument with 1 inch pipes installed 17th March, 1933, but records unreliable until September, 1933. For details of previous instruments, see Table X, 1932.
Felixstowe ..	D †	1925	1925	65	50	40	Type A to 1930. Not in operation during 1936.
Mildenhall ..	D †	1935	1936	64	45	20	
Cardington ..	D †	1928	1932	285	150	135	Vane on lattice mast 100 feet above adjacent buildings (see <i>Geophysical Memoirs</i> , 54, p. 14). The vane is 14 feet above top of conning tower and 79 feet above adjacent building. One inch connecting pipes in use from 1st January, 1935.
Shoeburyness ..	D	1902	1909	115	104	89	
4. MIDLAND COUNTIES.							
Birmingham ..	D	1923	1924	643	118	73	
5. ENGLAND, S.E.							
London (S. Kens.)	D †	1929	1930	137	110	30	Instrument is installed on the Science Museum roof.
Kew Obsy. ..	D †	1914	1914	92	75	50	
Croydon ..	D †	1922	1922	313	105	70	New instrument, type D, on new site used since May, 1928. (See Preface 1928, p. xiv.)
Dover ..	d	1923	1924	66	66	60	
Lympne ..	D †	1922	1922	418	76	48	Vane 32 feet above pier floor (see note p. 191); instrument was on another site 1908 to 1918.
Calshot ..	D †	1917	1920	58	50	42	New instrument June, 1930. Vane erected 76 feet above ground to minimise obstructive effect of trees (20 to 30 feet high) to W. and of hangars (40 feet high) to N.E.
Boscombe Down	D †	1932	1933	462	45	33	
Larkhill (Salisbury Plain)	D	1930	1930	491	51	36	Type A in action 1917—April, 1929.
7a. ENGLAND, N.W.							
Fleetwood ..	D	1923	1923	112	50	31	Type D, from April, 1930. Until August, 1928, type A in operation on a different site. (See Table X, 1929).
Manchester (Barton)	D †	1934	1934	153	83	80	Installed 14th December, 1923, to replace type R in operation from 1886. (See Table X, 1932). New instrument with 1 inch connecting pipes in use from 6th September, 1935.
Southport ..	D †	1897	1909	60	42	33	
Liverpool (Bidston)	D	1928	1929	262	64	39	
7b. N. WALES.							
Holyhead ..	R †	1870	1909	50	25	—	Prior to 16th January, 1933, the instrument was at a height of 59 feet above ground.
" ..	D †	1920	1920	68	43	35	From 1870 to November, 1899, the instrument was on the top of the old lighthouse at the western end of the old stone pier. It was then changed to a position on Salt Island, where it remained until it was dismantled in May, 1933.
Sealand ..	D †	1927	1924	81	65	42	Data from a new anemometer, type D, with 1 inch pipes, have been printed since 1st January, 1933. For details of previous instruments, see Table X, 1932.
8b. ENGLAND, S.W.							
Moretonhampst'd	D	1935	1936	838	40	35	Type A, in operation 1924—February, 1927.
Plymouth ..	d †	1908	1909	185	88	65	
Falmouth ..	R †	1868	1909	208	41	—	The position of the observatory at Falmouth was changed in May, 1885.
The Lizard ..	D †	1935	1935	315	75	60	New instrument installed August, 1929. Type d in operation 1902-1924 and during 1927.
Pendennis Castle	D †	1902	1909	256	65	42	
9. IRELAND, N.							
Dunfanaghy ..	d	1926	1927	180	47	30	A Robinson cup-anemograph of the original pattern was in operation at Kingstown from 1856 to 1895.
Aldergrove ..	D †	1927	1927	282	40	20	
Armagh ..	R †	1868	1909	246	50	—	
10. IRELAND, S.							
Kingstown ..	R †	1900	1909	49	27	27	Prior to March, 1892, the site of the Observatory was on Valentia Island. New instrument, type D, in use from January, 1932.
Quilty ..	d	1911	1911	100	40	32	
Valentia Obsy. ..	R †	1868	1909	75	45	—	
" ..	D †	1917	1917	98	41	33	
Cork ..	d	1934	1934	132	71	40	Weaver Point record ceased 12th June, 1933. Instrument transferred to Cork on 15th December, 1933. For details of previous sites see Table X, 1932.
11. SCILLY ISLES.							
St. Mary's ..	D †	1927	1909	230	65	57	For details of previous instruments, see Table X, 1931.

* A Anemograph with direction recorder. R Robinson cup-anemograph: standard size, 9-in. cups, 2-ft. arms; factor used, 2.2. D Dines Pressure Tube Anemometer and direction recorder. d Dines Pressure Tube Anemometer without direction recorder. † Hourly values are available. Hourly readings or hourly means have been published for varying periods for Aberdeen, Eskdalemuir, Kew, Southport, Falmouth, Armagh, and Valentia.

‡ Details of "height above building" are given in Table X, 1931.

TABLE XI [FIRST Published 1914]. DISTRIBUTION OF WINDS of stated speeds at anemograph-stations, and Maximum Speeds for the year. The distribution of wind is not given if the record failed for 500 hours or more.

District and Station.	Distribution of Wind. ‡									Extreme Velocities.										
	More than 38 mi/hr.			25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No. Record.	Highest Hourly Wind.				Highest Gust.						
	No. of Days.	Duration		No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.	Hour ended at.			Speed.		Date.				
		1936.	hr.								hr.	month.	day.	hour.	mph	m/s.	month.	day.	h. m.	
0. Lerwick ..	42	342	244	183	1,751	3,593	2,622	445	31	240	62	28	Dec.	18	05	94	42	Dec.	18	02 25
Kirkwall ..	14	45	51	124	1,044	3,977	3,125	571	22	200	49	22	Dec.	16	07	81	36	Dec.	18	02 50
1. Aberdeen ..	1	2	3	21	76	1,458	4,762	2,486	0	290	39	18	Oct.	27	03	77	34	Oct.	27	04 40
Bell Rock ..	46	303	261	195	1,670	3,840	2,311	651	9	250	67	30	Oct.	26	23	99	44	Dec.	4	02 20
Edinburgh ..	11	46	21	38	234	1,783	4,136	2,244	341	190	55	25	Dec.	16	02	85	38	Dec.	16	01 25
Tiree ..	19	121	111	102	904	3,398	3,375	936	50	290	67	30	Oct.	26	21	104	47	Oct.	26	20 40
Paisley ..	2	2	0.6	21	67	1,109	4,887	2,719	0	250	40	18	Oct.	26	21	95	43	Oct.	27	00 55
Abbotsinch ..	4	16	9	40	173	1,644	4,027	2,924	0	260	56	25	Oct.	26	21	89	40	Dec.	4	00 55
Eskdalemuir ..	13	40	40	83	508	2,348	3,806	2,082	0	230	50	22	Jan.	9	24	87	39	Oct.	27	02 20
6b. Point of Ayre ..	29	173	173	131	1,056	3,531	3,143	873	8	260	55	25	Jan.	9	21	90	40	Dec.	6	00 40
2. South Shields ..	4	8	14	66	440	2,560	4,261	1,508	7	360	42	19	June	3	23	72	32	Oct.	27	00 35
Catterick ..	1	2	3	22	88	1,242	4,541	2,911	0	250	49	22	Jan.	9	23	88	39	Jan.	9	22 10
Spurn Head ..	16	67	51	117	845	4,134	3,228	472	38	350	53	24	Nov.	17	21	75	33	Nov.	17	21 30
Cranwell ..	1	3	3	36	154	2,296	4,885	1,410	36	210	40	18	Jan.	9	20	69	31	Jan.	9	19 25
3. Gorleston ..	2	26	13	54	297	2,510	4,792	1,110	49	{ 360			Nov.	18	06	65	29	Nov.	18	06 10
Mildenhall ..	0	0	0	16	74	1,826	5,243	1,633	8	{ 170	45	20	Dec.	14	04					
Cardington ..	10	49	36	69	497	3,934	4,189	1,015	0	210	51	23	Jan.	9	20	66	29	Oct.	26	23 25
Shoeburyness ..	7	50	21	98	631	3,697	3,950	418	38	190	50	22	Dec.	14	15	68	30	Dec.	14	14 45
4. Birmingham ..	0	0	0.5	22	114	2,246	5,548	876	0	220	35	16	Jan.	9	19	66	29	Jan.	9	18 10
London (S. Kens.) ..	0	0	0	3	7	1,000	6,351	1,414	12	{ 210			Jan.	9	19	61	27	Dec.	14	16 05
Kew Observatory ..	0	0	0.1	15	76	1,632	5,225	1,851	0	{ 70	26	12	Feb.	10	14					
Croydon ..	2	2	4	41	281	3,024	4,172	1,305	0	{ 200			Jan.	9	19	72	32	Dec.	14	12 30
Dover ..	2	21	19	83	499	3,302	4,055	841	66	{ 190	40	18	Dec.	14	13					
Lympne ..	6	16	16	68	412	2,787	4,914	655	0	210	44	20	Jan.	9	20	82	37	Nov.	9	03 55
Calshot ..	9	40	23	73	400	2,911	4,545	888	0	{ 200			Jan.	9	18	72	32	Dec.	14	14 50
Boscombe Down ..	2	8	4	40	188	2,004	5,052	1,532	0	{ 190	49	22	Dec.	14	15					
Larkhill ..	4	16	11	62	353	2,880	4,623	912	0	190	44	20	Dec.	14	14	71	32	Jan.	9	17 40
7a. Fleetwood ..	15	103	79	82	598	3,120	4,065	898	0	240	43	19	Nov.	9	02	70	31	Nov.	9	01 10
Manchester ..	7	23	38	69	381	2,666	3,948	1,741	25	300	57	25	Oct.	27	03	89	40	Dec.	6	02 20
Southport ..	17	92	105	86	746	3,038	4,213	695	0	240	53	24	Jan.	9	21	88	39	Jan.	9	20 35
Liverpool ..	16	85	56	72	649	3,398	3,570	816	266	290	57	25	Dec.	6	02	89	40	Jan.	9	20 50
7b. Holyhead ..	23	122	92	108	880	3,611	3,232	931	8	300	58	26	Dec.	6	03	92	41	Jan.	9	19 50
Sealand ..	5	16	8	45	266	2,245	4,597	1,657	3	{ 300	54	24	Dec.	6	03	83	37	Dec.	6	02 20
8b. Moretonhampstead ..	1	5	5	40	257	2,127	4,552	1,812	31	{ 220	46	21	Jan.	9	17	82	37	Jan.	9	16 40
Plymouth ..	15	68	49	69	471	2,532	3,974	1,648	91	—	53	24	Jan.	9	15	71	32	Feb.	10	19 50
Lizard ..	30	228	227	159	1,497	3,843	2,657	537	22	100	64	29	Feb.	10	17	91	41	Jan.	9	15 55
Pendennis Castle ..	32	240	269	149	1,253	3,223	3,169	818	81	70	67	30	Feb.	10	19	90	40	Feb.	10	18 10
9. Dunfanaghy Road ..	14	52	62	63	431	1,427	2,226	4,434	214	—	49	22	Oct.	17	05	81	36	Dec.	16	03 15
Aldergrove ..	0	0	0.9	37	192	2,193	4,708	1,691	0	90	36	16	Feb.	10	15	71	32	Oct.	27	03 35
10. Kingstown ..	18	60	60	146	1,106	3,237	3,459	897	25	240	62	27	Jan.	9	20	—	—	—	—	—
Quilty ..	10	43	44	94	843	3,277	3,562	1,025	34	—	50	22	Feb.	10	17	68	30	Feb.	10	16 10
Valentia ..	4	18	16	80	507	3,323	3,668	1,208	0	100	50	23	Feb.	10	18	92	41	Feb.	10	12 45
11. St. Mary's ..	29	165	140	185	1,921	4,388	2,087	223	0	120	60	27	Feb.	10	15	88	39	Feb.	10	14 10

¶ First year of analysis (see Table X) to date.

‡ Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable. § See Notes Column of Table X.

NOTES.

Lerwick Observatory.

At the end of September, 1929, a serious defect was discovered in the pressure pipe, the effect of which was to render the velocity, as recorded by the instrument, substantially too low. Data published prior to October, 1929, are therefore unreliable.

Aberdeen Observatory.

In July, 1930, the completion of a rather extensive housing scheme in the area immediately to the north of the Dines Pressure Tube Anemometer effected a serious deterioration in the exposure of this instrument. Data published in Table II of the Monthly Weather Report in 1931 were from the Dines Pressure Tube Anemometer and are therefore defective. They may differ from the true values by an amount depending upon the wind direction. In Tables XI, XII and XVI, data from the Robinson Cup Anemograph, adjusted to agree with the Dines Pressure Tube Anemometer before the deterioration of the exposure, were printed in the Annual Summary for 1931. During the period 1932-1935, similar data were printed in all tables except for the highest gusts given in Table II, which were from the Dines Pressure Tube Anemometer. This instrument was transferred to a new site, The Glebe, on 6th April, 1933. As from 1st January, 1936, all data are taken from the records of the Dines Pressure Tube Anemometer.

Dover.

The instrument is installed on the Prince of Wales pier with the vane at a height of 32 feet above the pier floor and 66 feet above Mean Sea Level; the range of tide is about 14 feet (neaps) and 18 feet (springs).

TABLE XIII [1934]. NUMBER OF HOURS in each month with gusts exceeding (a) 38 mi/hr. (17.1 m/s.) and (b) 54 mi/hr. (24.5 m/s.)

District and Station.	‡ More than 38 mi/hr. or 17.1 m/s.												‡ More than 54 mi/hr. or 24.5 m/s.														
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	
	Number of hours.												Number of hours.														
0. Lerwick	220	252	87	171	49	26	29	73	50	220	199	460	1836	33	70	14	32	0	0	0	0	0	69	39	204	461	
Kirkwall	158	171	98	124	97	26	19	49	54	206	95	307	1404	16	5	10	0	4	0	0	0	0	47	27	90	190	
1. §Aberdeen	29	27	18	23	1	0	12	7	3	57	35	113	325	0	0	0	0	0	0	0	0	0	10	5	26	41	
Bell Rock	76	105	69	70	23	7	32	12	39	163	133	232	961	26	3	19	0	0	0	0	0	0	3	35	21	89	196
6a. Tiree	70	113	53	21	11	4	1	1	1	186	119	308	888	1	3	0	0	0	0	0	0	0	0	44	24	105	177
Abbotsinch	29	26	13	21	7	3	20	15	2	93	56	166	451	4	0	0	0	0	0	0	0	0	0	20	6	56	86
Eskdalemuir	64	55	46	47	28	32	55	36	14	138	75	238	828	8	2	2	0	0	0	4	0	0	0	25	19	70	130
6b. Point of Ayre	129	139	68	19	6	5	46	11	48	159	146	254	1030	32	25	0	0	0	0	1	0	0	0	59	16	70	203
2. South Shields	27	37	29	22	21	24	9	22	14	75	69	98	447	1	0	0	0	0	1	0	0	0	0	9	3	15	29
Catterick	34	14	6	5	2	3	8	3	4	60	27	121	287	12	0	0	0	0	0	0	0	0	0	4	3	7	26
Spurn Head	73	40	1	23	33	20	26	22	35	120	75	117	585	9	3	0	0	0	0	0	0	0	5	28	12	25	82
Cranwell	48	17	4	2	5	3	16	0	10	54	34	78	271	7	0	0	0	0	0	0	0	0	0	6	0	6	19
3. Gorleston	43	21	0	7	27	9	20	0	25	56	49	66	323	1	0	0	0	0	0	0	0	0	0	1	8	22	32
Mildenhall	48	9	1	8	14	12	23	1	13	63	41	68	301	3	0	0	0	0	0	0	0	0	1	3	2	5	14
Cardington	82	27	6	7	10	1	27	6	20	81	62	116	445	23	2	0	0	0	0	4	0	1	2	3	26	61	124
Shoeburyness	84	41	1	34	8	8	32	1	38	67	55	100	469	4	5	0	0	0	0	0	0	1	3	1	24	38	103
5. London (S. Ken.)	37	22	1	14	3	2	17	4	16	35	30	55	236	3	3	0	0	0	0	0	0	1	0	0	9	16	46
Kew	42	24	2	10	13	7	20	1	15	34	43	59	270	5	2	0	0	0	0	0	0	0	0	1	10	18	52
Croydon	73	32	1	23	8	2	22	0	29	78	80	103	451	8	4	0	0	0	0	0	0	0	3	3	22	40	119
Lympne	87	36	3	47	36	14	54	5	24	64	90	101	561	16	0	0	1	0	0	2	0	0	0	27	35	81	203
Calshot	64	40	1	15	0	5	53	3	34	35	60	84	394	4	6	0	0	0	1	4	0	0	1	10	26	52	130
Boscombe Down	62	35	0	8	1	3	26	0	35	53	36	90	349	8	0	0	0	0	0	0	4	3	5	18	38	103	
Larkhill	68	42	0	16	7	1	30	2	37	65	63	100	431	8	0	0	0	0	0	2	0	10	9	7	24	60	150
7a. Fleetwood	75	43	10	9	2	14	45	49	48	71	97	176	639	10	1	0	0	0	0	1	0	2	56	12	37	119	288
Manchester	74	50	19	29	2	12	24	19	24	104	67	117	541	15	13	0	0	0	0	0	0	3	31	2	24	88	224
Southport	76	38	9	10	2	11	30	34	51	146	96	170	673	14	1	0	0	0	0	0	0	8	57	9	33	122	304
7b. Holyhead	98	76	55	40	10	25	37	8	57	151	143	226	926	28	9	0	0	0	0	7	0	7	49	14	76	190	474
Sealand	56	27	11	2	0	7	16	19	29	107	36	126	436	15	0	0	0	0	1	0	0	1	25	5	17	64	166
8b. Moretonhampstead	112	77	15	7	1	2	18	3	42	59	75	132	543	21	19	0	0	0	0	0	0	4	13	12	36	105	261
The Lizard	229	198	46	87	22	9	35	15	57	143	188	207	1236	36	57	0	4	0	0	2	0	5	6	58	56	224	548
Pendennis Castle	184	180	48	88	25	19	76	26	51	114	157	197	1165	43	52	0	11	0	0	4	0	5	7	40	57	219	538
9. Aldergrove	45	58	9	16	13	0	19	1	14	69	39	124	407	3	10	0	0	0	0	0	0	0	11	3	18	45	119
10. Valentia	93	198	82	42	23	8	27	3	42	142	110	199	969	8	72	2	0	1	0	5	0	0	13	28	37	166	412
11. St. Mary's	231	254	87	76	26	23	44	5	67	130	167	213	1323	33	39	3	1	0	0	0	0	7	6	55	38	182	464

‡ Brackets () indicate doubtful values owing to defective record.

§ See Notes Column of Table X.

NOTE.—This Table includes data only for stations where the anemometer is fitted with connecting pipes of 1 inch internal diameter.

TABLE XIIIB. (Formerly Table XII) [1914]. DISTRIBUTION OF DAYS on which maximum hourly wind exceeded (a) 38 mi/hr. (17.1 m/s.) and (b) 24 mi/hr. (10.7 m/s.)

District and Station.	‡ More than 38 mi/hr. or 17.1 m/s.												‡ More than 24 mi/hr. or 10.7 m/s.													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	Number of days.												Number of days.													
0. Lerwick	5	7	1	2	0	0	0	0	0	7	3	17	42	21	18	16	18	9	5	8	13	11	18	18	28	183
Kirkwall	2	0	0	0	0	0	0	0	0	2	1	9	14	13	17	14	9	6	5	5	2	7	15	10	21	124
1. §Aberdeen	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	0	1	0	4	3	10	21
Bell Rock	10	3	3	2	0	0	0	0	1	6	8	14	47	21	19	17	18	14	12	8	7	16	17	21	25	195
Edinburgh	2	0	0	0	0	0	0	0	0	2	0	7	11	4	1	1	2	0	0	1	0	0	5	6	18	38
6a. Tiree	0	1	0	0	0	0	0	0	0	4	2	12	19	9	12	8	4	4	1	4	4	3	15	14	26	104
Paisley	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0	1	0	0	0	0	0	4	2	12	21
Abbotsinch	1	0	0	0	0	0	0	0	0	2	0	1	4	5	1	1	3	0	0	1	0	8	4	17	40	
Eskdalemuir	2	0	0	0	0	0	0	0	0	3	0	8	13	9	9	5	5	3	4	4	5	1	11	9	18	83
6b. Point of Ayre	5	4	0	0	0	0	0	0	8	2	10	29	17	19	12	11	3	2	6	6	6	14	15	20	131	
2. South Shields	1	1	0	0	0	1	0	0	0	1	0	4	5	5	8	2	8	7	3	3	3	4	6	8	9	66
Catterick	1	0	0	0	0	0	0	0	0	0	0	1	3	0	1	0	0	0	0	1	0	0	4	2	11	22
Spurn Head	3	0	0	0	0	0	0	0	1	4	2	6	16	15	10	4	9	8	4	9	6	8	12	15	17	117
Cranwell	1	0	0	0	0	0	0	0	0	0	0	0	1	6	2	2	0	1	0	2	0	1	7	3	12	36
3. Gorleston	0	0	0	0	0	0	0	0	0	0	1	1	2	11	4	0	4	4	2	5	0	4	6	6	8	54
Mildenhall	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	4	4	3	16
Cardington	4	0	0	0	0	0	0	0	0	1	1	4	10	13	3	3	2	2	1	5	1	3	9	9	18	69
Shoeburyness	1	2	0	1	0	0	0	0	0	1	2	7	20	10	10	2	7	5	2	10	3	6	8	10	15	98
4. Birmingham	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	0	4	1	9	22
5. S. Kensington	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	3
Kew Obsy.	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	2	0	1	1	1	5	15
Croydon	1	0	0	0	0	0	0	0	0	0	1	2	8	2	0	2	0	0	1	3	0	1	5	9	10	41
Dover	0	1	0	0	0	0	0	0	0	0	0	1	2	15	7	2	7	7	2	5	1	5	10	13	9	83
Lympne	1	0	0	0	0	0	0	0	0	3	2	6	10	6	6	2	9	5	1	6	1	3	8	9	8	68
Calshot	1	2	0	0	0	0	1	0	0	1	4	9	14	12	3	3	5	1	1	8	3	4				

TABLE XIII [FIRST PUBLISHED 1900†].—OCCASIONS ON WHICH THE MAXIMUM HOURLY MEAN WIND WAS 47 MI/HR. (20·8 M/S.) OR MORE.

For an anemograph at 33 ft. above ground in the open the limit corresponds with that of Force 9 (Strong Gale) on the Beaufort Scale. Upon a plate exposed normally to it, a wind of 47 mi/hr. exerts pressure on the front and suction on the back, of which the resultant is about 3·2 mb. (6½ lb. weight per sq. ft.).

The pressure equivalents of winds of stated velocities are given in the *Meteorological Observer's Handbook*.

[The highest Mean Velocity measured in this way which has been recorded at M.O. stations in the British Isles is 78 mi/hr. (35 m/s.) at Fleetwood on 22nd December, 1894, corresponding with a pressure of about 8·8 mb. (18 lb. weight per square foot.)]

District and Station.	Date.	Maximum Hourly Mean Wind of 47 mi/hr. or more.			Maximum Speed in a gust during the day.		Hours for which mean speed exceeded 38 mi/hr.		
		Hour ended at	Direction	Speed.	Time.	Speed.			
O. Lerwick ..	January 10th	24	280	48	21	23 25	67	30	23h. on 10th to 15h. on 11th.
	" 11th	4	280	51	23	04 20	74	33	23h. on 10th to 15h. on 11th.
	February 29th	22	30	47	21	21 00	63	28	11h. on 29th to 11h. on 1st.
	March 1st	1	30	47	21	04 15	65	29	11h. on 29th to 11h. on 1st.
	October 17th	19	240	58	26	17 30	87	39	13h. on 17th to 7h. on 18th.
	" 18th	3	340	51	23	02 15	81	36	13h. on 17th to 7h. on 18th.
	November 30th	11	280	56	25	10 50	92	41	24h. on 29th to 21h. on 30th; 24h. on 30th to 8h. on Dec. 1st.
	December 4th	9	320	57	25	08 35	87	39	3h. to 4h. on 4th; 8h. to 16h. on 4th.
	" 14th	4	160	55	25	03 10	81	36	18h. on 13th to 6h. on 14th; 11h. to 16h. on 14th.
	" 16th	9	190	53	24	08 30	81	36	24h. on 15th to 9h. on 17th.
	" 17th	2	(230)	53	23	03 35	78	35	24h. on 15th to 9h. on 17th; 24h. on 17th to 11h. on 18th.
	" 18th	5	240	62	28	02 25	94	42	24h. on 17th to 11h. on 18th.
	" 19th	23	210	48	21	21 50	69	31	20h. on 19th to 13h. on 20th.
	" 20th	8	230	54	24	07 35	85	38	20h. on 19th to 13h. on 20th; 15h. on 20th to 9h. on 21st.
	" 21st	2	240	49	22	01 15	74	33	15h. on 20th to 9h. on 21st.
" 23rd	14	240	49	22	16 05	69	31	12h. to 17h. on 23rd.	
Kirkwall ..	October 17th	{ 16 18	{ 250 260	48	21	{ 15 35 17 40	87	39	12h. to 22h. on 17th.
	December 13th	24	170	47	21	23 55	74	33	22h. on 13th to 3h. on 14th.
	" 14th	1	180	48	21	00 30	72	32	22h. on 13th to 3h. on 14th.
	" 16th	7	200	49	22	01 35	73	33	24h. on 15th to 8h. on 16th; 11h. on 16th.
" 18th	6	270	47	21	02 50	81	36	3h. to 4h. on 18th; 6h. on 18th.	
1. Bell Rock ..	January 10th	3	250	58	26	02 05	78	35	1h. to 7h. on 10th.
	" 20th	17	50	58	25	17 00	74	33	9h. to 19h. on 20th.
	March 1st	14	30	50	22	09 10	68	30	20h. on 29th to 4h. on 2nd.
	October 17th	13	260	48	21	12 55	64	29	6h. to 8h. on 17th; 13h. to 15h. on 17th; 20h. on 17th to 8h. on 18th.
	" 18th	4	280	48	21	03 45	63	28	20h. on 17th to 8h. on 18th.
	" 26th	23	250	67	30	22 30	94	42	20h. on 26th to 9h. on 27th.
	" 27th	2	280	64	29	01 05	89	40	20h. on 26th to 9h. on 27th; 11h. to 13h. on 27th; 21h. on 27th.
	November 29th	6	240	48	21	05 10	66	29	3h. on 29th; 5h. to 6h. on 29th.
	December 3rd	23	240	15	23	22 30	72	32	21h. on 3rd to 6h. on 4th.
	" 4th	5	250	65	29	02 20	99	44	21h. on 3rd to 6h. on 4th; 7h. to 13h. on 4th.
	" 13th	23	170	56	25	22 25	74	33	18h. to 19h. on 13th; 21h. on 13th to 3h. on 14th.
	" 14th	1	180	47	21	01 00	67	30	21h. on 13th to 3h. on 14th.
	" 15th	23	180	53	24	23 15	69	31	21h. on 15th to 21h. on 16th.
	" 16th	{ 7 8	220	59	26	{ 04 50 07 55	76	34	21h. on 15th to 21h. on 16th; 23h. to 24h. on 16th.
	" 17th	22	230	51	23	22 15	70	31	2h. on 17th; 12h. to 13h. on 17th; 20h. on 17th to 3h. on 18th.
" 18th	1	230	48	21	00 05	68	30	20h. on 17th to 3h. on 18th; 17h. to 20h. on 18th; 22h. to 23h. on 18th.	
" 19th	{ 23 24	240	56	25	22 50	79	35	5h. on 19th; 18h. to 19h. on 19th; 21h. on 19th to 16h. on 20th.	
" 20th	6	230	59	26	04 50	80	36	21h. on 19th to 16h. on 20th; 19h. on 20th.	
Edinburgh ..	" 15th	23	170	48	21	22 30	72	32	23h. on 15th to 2h. on 16th.
	" 16th	2	190	55	25	01 25	85	38	23h. on 15th to 2h. on 16th; 15h. on 16th.
	" 20th	6	210	52	23	04 25	78	35	2h. to 15h. on 20th.

† For the years 1900 to 1904 the table of "Strong Gales" was given in the Annual Report of the Meteorological Council, for 1905, 1906 and 1907 in the Annual Summary of the Monthly Weather Report for those years and for 1908 to 1913 in an appendix to the Weekly Weather Report. Prior to 1908 the limit of velocity was taken to be 44 miles per hour.

§ See Notes, column of Table X.

TABLE XIII (continued).—OCCASIONS ON WHICH THE MAXIMUM HOURLY MEAN WIND WAS 47 mi/hr. (20·8 m/s.) or more.

District and Station.	Date.	Maximum Hourly Mean Wind of 47 mi/hr. or more.				Maximum Speed in a gust during the day.				Hours for which mean speed exceeded 38 mi/hr.
		Hour ended at	Direction	Speed.		Time.		Speed.		
				mi/hr.	m/s.	hr.	m.	mi/hr.	m/s.	
Tiree ..	October 26th	21	290	67	30	20	40	104	47	17h. on 26th to 4h. on 27th. 17h. on 26th to 4h. on 27th; 9h. on 27th; 18h. on 27th. 19h. on 3rd to 10h. on 4th. 19h. on 3rd to 10h. on 4th. 3h. to 13h. on 6th. 19h. on 15th to 11h. on 16th. 19h. on 15th to 11h. on 16th; 16h. to 20h. on 16th. 11h. on 17th; 18h. on 17th to 1h. on 18th. 17h. on 19th to 6h. on 20th. 17h. on 19th to 6h. on 20th.
	" 27th	1	300	48	21	00	05	76	34	
	December 3rd	24	250	55	25	22	35	91	41	
	" 4th	2	270	58	26	01	15	85	38	
	" 6th	3	340	50	22	02	40	75	33	
	" 15th	22	180	51	23	21	45	77	34	
	" 16th	4	220	62	28	03	55	92	41	
	" 17th	21	220	56	25	20	35	95	43	
	" 19th	24	220	48	21	23	15	73	33	
	" 20th	1	220	48	21	00	45	73	33	
Abbotsinch ..	October 26th	21	260	56	25	21	05	88	39	20h. to 23h. on 26th. 1h. to 7h. on 4th.
	December 4th	2	260	51	23	00	55	89	40	
Eskdalemuir ..	January 9th	24	230	50	22	22	40	81	36	23h. on 9th to 1h. on 10th. 23h. on 9th to 1h. on 10th. 1h. to 2h. on 16th.
	" 10th	1	240	47	21	00	20	74	33	
	December 16th	2	190	47	21	01	30	74	33	
6b. Point of Ayre	January 9th	21	260	55	25	21	55	85	38	20h. to 24h. on 9th. 3h. to 4h. on 10th; 8h. on 10th to 2h. on 11th. 18h. on 26th to 12h. on 27th. 18h. on 26th to 12h. on 27th; 14h. on 27th; 17h. on 27th to 1h. on 28th. 24h. on 3rd to 9h. on 4th. 14h. on 5th to 1h. on 6th. 14h. on 5th to 1h. on 6th; 4h. to 16h. on 6th. 18h. to 23h. on 13th. 22h. on 15th to 1h. on 16th.
	February 10th	13	150	47	21	21	15	64	29	
	October 26th	23	290	52	23	22	15	83	37	
	" 27th	6	310	49	22	05	40	79	35	
	December 4th	6	310	48	21	05	15	69	31	
	" 5th	24	300	52	23	23	25	76	34	
	" 6th	7	350	49	22	00	40	90	40	
	" 13th	22	220	49	22	21	40	73	33	
" 15th	23	220	50	22	22	40	77	34		
2. Catterick ..	January 9th	23	250	49	22	22	10	88	39	22h. to 23h. on 9th.
Spurn Head ..	November 17th	21	350	53	24	21	30	75	33	20h. on 17th to 7h. on 18th. 20h. on 17th to 7h. on 18th. 22h. on 13th to 7h. on 14th. 22h. on 13th to 7h. on 14th; 9h. to 10h. on 14th; 13h. on 14th; 15h. to 16h. on 14th.
	" 18th	1	(10)	48	21	00	40	66	29	
	December 13th	24	170	47	21	21	50	65	29	
	" 14th	4	180	48	21	03	20	68	30	
3. Cardington ..	January 9th	20	210	51	23	18	40	82	37	17h. on 9th to 5h. on 10th. 22h. on 13th to 17h. on 14th.
	December 14th	2	180	48	21	15	45	65	29	
Shoeburyness	January 9th	19	200	48	21	18	25	65	29	18h. to 20h. on 9th. 6h. on 10th to 1h. on 11th. 1h. to 21h. on 14th.
	February 10th	13	90	48	21	11	55	59	26	
	December 14th	15	190	50	22	14	45	68	30	
5. Calshot ..	January 9th	18	200	49	22	16	30	71	32	16h. to 19h. on 9th. 23h. on 13th to 17h. on 14th.
	December 14th	15	170	49	22	14	50	72	32	
7a. Fleetwood ..	October 18th	1	300	47	21	00	30	65	29	21h. on 17th to 9h. on 18th. 8h. to 15h. on 19th; 19h. on 19th. 19h. on 26th to 2h. on 28th. 19h. on 26th to 2h. on 28th. 17h. on 30th to 6h. on 1st. Dec. 5h. to 14h. on 4th. 15h. on 5th to 4h. on 6th; 9h. to 11h. on 6th.
	" 19th	13	360	50	22	12	40	68	30	
	" 26th	23	290	54	24	22	45	85	38	
	" 27th	3	300	57	25	05	25	81	36	
	November 30th	21	320	49	22	23	20	73	33	
	December 4th	7	310	53	24	06	20	70	31	
	December 6th	2	290	55	25	02	20	89	40	
Manchester ..	January 9th	21	240	53	24	20	35	88	39	19h. on 9th to 5h. on 10th. 3h. on 11th.
	" 11th	3	290	47	21	02	20	67	30	
Southport ..	January 9th	21	230	55	25	20	50	89	40	20h. to 24h. on 9th. 18h. on 26th to 13h. on 27th. 18h. on 26th to 13h. on 27th; 17h. to 18h. on 27th; 20h. on 27th to 2h. on 28th. 18h. on 5th to 3h. on 6th; 9h. to 15h. on 6th.
	October 26th	22	270	54	24	21	10	80	36	
	" 27th	1	280	55	25	19	05	78	35	
	December 6th	2	290	57	25	01	05	76	34	

TABLE XIII (continued).—OCCASIONS ON WHICH THE MAXIMUM HOURLY MEAN WIND WAS 47 mi/hr. (20·8 m/s.) or more.

District and Station.	Date.	Maximum Hourly Mean Wind of 47 mi/hr. or more.				Maximum Speed in a gust during the day.				Hours for which mean speed exceeded 38 mi/hr.
		Hour ended at	Direction	Speed.		Time.		Speed.		
			°	mi/hr.	m/s.	hr.	m.	mi/hr.	m/s.	
Liverpool ..	January 9th	20	240	55	25	19	50	92	41	19h. to 24h. on 9th.
	" 11th	2	270	49	22	01	40	77	34	2h. to 3h. on 11th.
	October 26th	23	280	55	25	22	50	85	38	15h. to 17h. on 26th; 19th on 26th to 11h. on 27th.
	" 27th	5	290	55	25	04	15	87	39	19h. on 26th to 11h. on 27th; 15h. on 27th; 18h. to 24h. on 27th.
	December 5th	21	300	49	22	17	25	79	35	17h. on 5th to 4h. on 6th.
" 6th	3	300	300	58	26	02	40	81	36	17h. on 5th to 4h. on 6th; 8h. to 9h. on 6th.
7b. Holyhead ..	October 19th	10	290	49	22	10	30	72	32	7h. to 17h. on 19th.
	" 26th	23	270	53	24	21	35	82	37	18h. on 26th to 9h. on 27th.
	" 27th	1	270	50	22	02	50	75	33	18h. on 26th to 9h. on 27th; 14h. on 27th; 16h. to 20h. on 27th; 22h. on 27th to 4h. on 28th.
	December 5th	22	290	48	21	22	25	69	31	15h. on 5th to 18h. on 6th.
" 6th	3	300	300	54	24	02	21	83	37	15h. on 5th to 18h. on 6th.
8b. Plymouth ..	January 5th	15	—	47	21	16	40	65	29	13h. to 24h. on 5th.
	" 9th	15	—	53	24	14	45	67	30	13h. to 18h. on 9th.
	December 13th	23	—	50	22	22	20	70	31	16h. on 13th to 12h. on 14th.
	" 14th	11	—	49	22	08	50	65	29	16h. on 13th to 12h. on 14th.
The Lizard ..	January 5th	14	150	56	25	17	35	84	38	10h. to 23h. on 5th.
	" 9th	16	200	59	26	15	55	91	41	12h. on 9th to 2h. on 10th.
	February 9th	10	100	51	23	13	40	69	31	13h. on 8th to 18h. on 9th.
	" 10th	17	100	64	29	18	15	(82)	37	6h. on 10th to 6h. on 11th.
	" 11th	1	110	54	24	00	30	70	31	6h. on 10th to 6h. on 11th.
	November 7th	20	260	51	23	18	30	82	37	12h. on 7th to 11h. on 8th.
	" 8th	24	230	56	25	18	50	87	39	12h. on 7th to 11h. on 8th; 13h. on 8th to 6h. on 9th.
	" 9th	1	230	56	25	01	15	77	34	13h. on 8th to 6h. on 9th.
	" 11th	24	200	51	23	23	35	74	33	20h. on 11th to 3h. on 12th.
	December 13th	23	180	50	22	22	45	70	31	18h. on 13th to 11h. on 14th.
	" 14th	10	170	53	24	10	10	73	33	18h. on 13th to 11h. on 14th; 19h. on 14th.
" 15th	24	170	52	23	23	55	71	32	19h. on 15th to 3h. on 16th.	
" 16th	1	170	50	22	00	55	69	31	19h. on 15th to 3h. on 16th.	
Falmouth ..	January 5th	14	180	57	25	18	30	80	36	10h. to 23h. on 5th.
	" 9th	17	250	60	27	16	45	84	38	11h. on 9th to 6h. on 10th.
	February 8th	20	70	47	21	19	40	65	29	6h. to 11h. on 8th; 14h. on 8th to 19h. on 9th.
	" 9th	9	70	51	23	09	45	66	29	14h. on 8th to 19h. on 9th.
	" 10th	19	70	67	30	18	10	90	40	6h. on 10th to 6h. on 11th.
	" 11th	1	90	56	25	00	15	74	33	6h. on 10th to 6h. on 11th.
	November 6th	11	210	47	21	10	40	64	29	7h. to 11h. on 6th.
	" 8th	23	270	55	25	21	20	82	37	19h. on 8th to 5h. on 9th.
	" 9th	1	280	53	24	02	10	78	35	19h. on 8th to 5h. on 9th.
	" 11th	24	250	52	23	23	35	72	32	15h. on 11th; 19h. on 11th to 1h. on 12th.
	December 13th	24	250	54	24	19	55	75	33	15h. on 13th to 11h. on 14th.
	" 14th	10	240	58	26	09	10	77	34	15h. on 13th to 11h. on 14th.
	" 15th	24	240	50	22	23	40	67	30	20h. on 15th to 4h. on 16th.
	" 16th	1	240	53	24	00	25	70	31	20h. on 15th to 4h. on 16th.
" 17th	15	260	48	21	19	20	67	30	10h. on 17th to 8h. on 18th.	
" 18th	6	250	47	21	06	10	64	29	10h. on 17th to 8h. on 18th.	
9. Dunfanaghy ..	October 17th	5	—	49	22	04	00	74	33	2h. to 6h. on 17th.
	December 16th	3	—	48	21	03	15	81	36	2h. to 6h. on 16th.
10. Kingstown ..	January 5th	{ 20	110	51	23	—	—	—	—	16h. to 22h. on 5th.
	" 9th	22	140							
	" 10th	20	240							
" 10th	17	240	47	21	—	—	—	—	19h. to 21h. on 9th.	
" 10th	17	240	47	21	—	—	—	—	14h.; 16h. to 18h.; 23h. to 24h. on 10th.	
Quilty ..	February 10th	17	—	50	22	16	10	68	30	12h. to 20h. on 10th; 23h. on 10th to 6h. on 11th.
Valentia ..	February 10th	18	100	50	23	12	45	92	41	16h. to 18h. on 10th.
11. Scilly ..	January 5th	16	240	58	26	15	15	83	37	10h. to 23h. on 5th.
	" 9th	16	250	55	25	15	55	84	38	12h. to 19h. on 9th.
	February 9th	13	130	50	22	12	45	72	32	6h. to 16h. on 9th.
	" 10th	15	120	60	27	14	10	88	39	8h. on 10th to 1h. on 11th.
	September 7th	2	290	48	21	01	25	68	30	1h. to 6h. on 7th.
	November 7th	17	270	48	21	19	55	72	32	11h. on 7th to 10h. on 8th.
	" 8th	23	250	56	25	22	25	77	34	11h. on 7th to 10h. on 8th; 12h. on 8th to 4h. on 9th.
" 9th	1	250	52	23	00	30	76	34	12h. on 8th to 4h. on 9th.	

TABLE XIV [First Published 1908].—DATES on which GUSTS of 55 mi/hr. (24.5 m/s.) or more occurred.

For an anemometer at 33 ft. above ground in the open the limit corresponds with that of Force 10 (Whole Gale) on the Beaufort Scale.

Upon a plate exposed normally to it, a wind of 55 mi/hr. exerts pressure on the front and suction on the back, of which the resultant is about 4.4 mb. (9 lb. weight per square foot).

Up to 1916 fuller details were given in this table. The time of occurrence of the maximum gust each month can be found by reference to the *Monthly Weather Report*.

0 Lerwick	Jan. 6, 10, 11, 12, 13, 14; Feb. 2, 3, 6, 7, 18, 19, 20, 21, 22, 29; Mar. 1, 4; Apl. 13, 14, 19, 20; Oct. 12, 15, 16, 17, 18, 24, 25, 26, 28; Nov. 3, 20, 21, 29, 30; Dec. 1, 2, 3, 4, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 29, 30, 31.
Kirkwall	Jan. 5, 6, 11, 12, 21; Feb. 3, 29; Mar. 1; May 16; Oct. 12, 15, 16, 17, 18, 27, 28; Nov. 29, 30; Dec. 1, 4, 5, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 29, 30.
1§Aberdeen	Oct. 18, 27; Nov. 16, 30; Dec. 1, 4, 6, 13, 14, 15, 16, 17, 19, 20.
Bell Rock	Jan. 9, 10, 17, 18, 20, 21; Feb. 29; Mar. 1, 2; Sept. 27; Oct. 17, 18, 24, 25, 26, 27; Nov. 5, 12, 15, 16, 29, 30; Dec. 1, 3, 4, 6, 13, 14, 15, 16, 17, 18, 19, 20.
Edinburgh	Jan. 9, 10; Oct. 17, 24, 26, 27; Nov. 29; Dec. 3, 4, 13, 14, 15, 16, 17, 18, 19, 20, 30, 31.
6aTiree	Jan. 11; Feb. 7, 10; Oct. 15, 16, 17, 18, 19, 24, 25, 26, 27; Nov. 1, 4, 5, 15, 30; Dec. 1, 3, 4, 5, 6, 13, 15, 16, 17, 18, 19, 20, 31.
Paisley	Jan. 9, 10; Oct. 24, 26, 27; Nov. 30; Dec. 3, 4, 13, 15, 16, 17, 18, 20, 24, 31.
Abbotsinch	Jan. 9, 10; Oct. 18, 24, 25, 26, 27; Nov. 15, 30; Dec. 1, 3, 4, 5, 13, 15, 16, 17, 18, 20, 24.
Eskdalemuir	Jan. 9, 10; Feb. 10; Mar. 1; July 24, 31; Oct. 17, 18, 24, 26, 27; Nov. 12, 15, 29, 30; Dec. 1, 2, 3, 4, 6, 13, 15, 16, 17, 19, 20, 21, 30, 31.
6bPoint of Ayre	Jan. 5, 6, 9, 10, 11, 17, 20; Feb. 7, 8, 10, 11; July 24; Oct. 17, 18, 19, 24, 25, 26, 27, 28; Nov. 5, 12, 15, 30; Dec. 1, 3, 4, 5, 6, 13, 15, 16, 17, 19, 31.
2 South Shields	Jan. 9; June 3; Oct. 26, 27; Nov. 12, 30; Dec. 4, 13, 14, 20.
Catterick	Jan. 9, 10; Oct. 26, 27; Nov. 30; Dec. 4, 17, 20.
Spurn Head	Jan. 9, 11, 20, 28; Feb. 3, 10; Sept. 7; Oct. 17, 18, 19, 25, 26, 27; Nov. 17, 18, 30; Dec. 1, 4, 6, 13, 14, 16.
Cranwell	Jan. 9, 10, 11; Oct. 17, 27; Dec. 5, 14.
3 Gorleston	Jan. 9; Oct. 18; Nov. 18; Dec. 14, 16.
Mildenhall	Jan. 9; Sept. 7; Oct. 26, 27; Nov. 18; Dec. 14.
Cardington	Jan. 9, 10, 11, 20, 21; Feb. 10; July 18; Sept. 7; Oct. 26, 27; Nov. 9, 30; Dec. 13, 14, 16, 18.
Shoeburyness	Jan. 9; Feb. 10; Sept. 7; Oct. 25, 27; Nov. 9; Dec. 14, 16, 18.
4 Birmingham	Jan. 9, 11; Feb. 10; Oct. 19, 26, 27; Dec. 14, 16.
5 London (Sth. Kens.)	Jan. 9, 10; Feb. 10; Sept. 7; Dec. 14, 16.
Kew	Jan. 9, 10; Feb. 10; Nov. 9; Dec. 14.
Croydon	Jan. 9, 10, 11, 31; Feb. 10; Oct. 19, 27; Nov. 9; Dec. 6, 13, 14, 16, 18.
Dover	Jan. 9, 20; Nov. 8, 9, 12, 18; Dec. 14.
Lympe	Jan. 9, 10, 20, 31; Apl. 4; July 15, 18; Nov. 9, 12, 18; Dec. 13, 14, 15, 16, 18.
Calshot	Jan. 9; Feb. 10, 11; June 19; July 18; Oct. 19; Nov. 8, 9, 12; Dec. 13, 14, 16, 18.
Boscombe Down	Jan. 9, 10, 31; Sept. 7; Oct. 19; Nov. 8, 9; Dec. 13, 14, 16, 18.
Larkhill	Jan. 9, 10, 20, 31; July 18; Sept. 7, 8; Oct. 19, 26, 27, 31; Nov. 8, 9, 12; Dec. 6, 13, 14, 16, 17, 18.
7aFleetwood	Jan. 9, 10; Feb. 10; July 24; Sept. 7, 8; Oct. 17, 18, 19, 24, 25, 26, 27, 28; Nov. 8, 10, 30; Dec. 1, 3, 4, 5, 6, 13, 14.
Manchester (Barton)	Jan. 9, 10, 11, 20; Feb. 10; Sept. 7; Oct. 17, 18, 19, 25, 26, 27; Nov. 30; Dec. 1, 4, 5, 6, 13, 14, 16.
Southport	Jan. 9, 10, 11; Feb. 10; Sept. 7, 8; Oct. 17, 18, 19, 25, 26, 27, 28; Nov. 10, 30; Dec. 1, 3, 4, 5, 6, 13.
Liverpool (Bidston)	Jan. 9, 10, 11, 20; Feb. 10, 11; June 15; July 24; Sept. 7, 8; Oct. 17, 18, 19, 25, 26, 27, 28; Nov. 9, 10, 30; Dec. 1, 3, 4, 5, 6, 13, 14, 15, 16, 17, 19, 20.
7bHolyhead	Jan. 5, 6, 9, 10, 11, 20; Feb. 10; July 17, 23, 24; Sept. 8; Oct. 17, 18, 19, 24, 25, 26, 27, 28; Nov. 6, 10, 12, 30; Dec. 1, 4, 5, 6, 13, 14, 15, 16, 19, 20, 31.
Sealand	Jan. 9, 10, 11; June 21; Sept. 8; Oct. 17, 19, 26, 27; Nov. 30; Dec. 4, 5, 6, 13, 17, 19.
8bMoretonhampstead	Jan. 5, 9, 10, 27, 31; Feb. 10, 18, 21; Sept. 7; Oct. 19, 26; Nov. 7, 8, 9, 11, 12; Dec. 5, 6, 13, 14, 15, 16, 17, 18.
Plymouth	Jan. 5, 9, 27; Feb. 10; Oct. 31; Nov. 6, 8, 9, 11, 12; Dec. 13, 14, 15, 16.
The Lizard	Jan. 5, 9, 10, 18, 27, 29; Feb. 8, 9, 10, 11, 17; Apl. 3, 21; July 18; Sept. 6, 7; Oct. 25, 26, 31; Nov. 6, 7, 8, 9, 10, 11, 12; Dec. 5, 6, 13, 14, 15, 16, 17, 18.
Pendennis Castle	Jan. 5, 6, 9, 10, 27, 29, 31; Feb. 8, 9, 10, 11, 18; Apl. 3, 4, 21; July 18; Sept. 6, 7; Oct. 25, 26; Nov. 6, 7, 8, 9, 11, 12, 15; Dec. 6, 13, 14, 15, 16, 17, 18.
9 Dunfanaghy	Jan. 9; Mar. 5; Apl. 24, 25; July 30; Sept. 7; Oct. 16, 17, 19, 24, 26, 27; Nov. 1, 5, 15, 30; Dec. 3, 4, 5, 6, 15, 16, 17, 18, 19, 20, 31.
Aldergrove	Jan. 6, 9; Feb. 10; Oct. 19, 26, 27; Nov. 30; Dec. 4, 5, 6, 13, 15, 16, 19, 20.
10 Quilty	Jan. 9, 10; Feb. 10, 11; Oct. 25, 26; Nov. 8; Dec. 3, 5, 15, 16.
Valentia	Jan. 8, 9; Feb. 6, 7, 8, 9, 10, 11, 13; Mar. 21; May 14; July 23; Oct. 2, 3, 25, 26; Nov. 7, 8, 11, 12; Dec. 5, 13, 15, 16, 17, 19, 20, 30.
Cork	Feb. 9, 10, 11; July 23; Dec. 20.
11 Scilly	Jan. 5, 9, 10, 17, 27, 28, 29, 31; Feb. 7, 8, 9, 10, 11, 17; Mar. 2; Apl. 21; Sept. 5, 6, 7, 8; Oct. 25, 26, 27, 31; Nov. 6, 7, 8, 9, 10, 11, 12; Dec. 5, 6, 13, 14, 15, 16, 17, 18.

§ See Notes, column of Table X.

NOTE.

A short list of the noteworthy gales of the year is to be found on page 170.

TABLE XV [1912]. MAXIMUM SPEED in a Gust recorded by Dines Pressure Tube Anemometers during each Month of 1936, and the HIGHEST SPEED in a Gust on record for each station. Unit, metre per second.†

District and Station and date of first appearance in this Table.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	G (Mean of Monthly Maxima.)		Highest Gust on Record.		
													m/s.	m.p.h.	Speed.	Date.	
o. Lerwick .. 1923	33	31	29	28	21	24	21	24	23	39	41	42	30	66	43	95	Jan. 14 1925
Kirkwall .. 1930	28	27	30	24	25	21	21	24	23	39	35	36	28	62	40	89	Feb. 7 1934
1. Aberdeen .. 1912	25	21	21	22	17	16	22	24	18	34	29	31	23	52	37	82	Oct. 25 1917
Bell Rock .. 1930	35	25	30	23	21	18	23	20	27	42	29	44	28	63	45	101	Oct. 19 1935
Edinburgh .. 1915	29	17	20	22	16	17	18	17	15	32	25	38	22	50	38	85	Jan. 28 1927
6a. Tiree .. 1927	25	25	24	23	21	20	17	17	17	47	34	43	26	58	48	108	Dec. 16 1936
Paisley .. 1914	32	22	21	23	18	17	23	22	15	43	27	38	25	56	47	104	Jan. 28 1927
Abbotsinch .. 1934	30	21	21	23	19	18	21	21	19	39	33	40	25	57	41	92	Jan. 28 1927
Eskdalemuir .. 1912	36	26	25	22	23	21	26	18	20	39	28	34	27	59	40	90	Oct. 19 1935
6b. Point of Ayre 1936	38	29	23	21	19	20	25	20	22	37	31	40	27	61	40	90	Oct. 25 1917
2. South Shields 1912	27	24	24	23	23	25	19	22	23	32	27	29	25	55	39	87	Dec. 6 1936
Catterick .. 1932	39	21	22	20	18	18	22	21	22	36	29	30	25	55	39	88	Nov. 23 1928
Spurn Head .. 1913	29	26	18	24	23	21	23	21	29	33	33	30	26	58	38	84	Jan. 25, 26 1935
Cranwell .. 1921	31	21	18	22	18	19	21	17	24	28	23	27	22	50	36	80	Jan. 9 1936
3. Gorleston .. 1912	25	22	16	21	22	21	24	16	24	25	29	29	23	51	35	77	Jan. 6 1921
Mildenhall .. 1936	28	23	17	22	22	20	21	18	27	29	27	28	23	53	29	66	Nov. 6 1921
Cardington .. 1932	37	25	19	21	20	18	26	19	26	29	28	29	25	55	39	88	Oct. 26 1936
Shoeburyness 1912	29	26	18	24	19	23	22	19	27	25	27	30	24	54	37	83	Sept. 17 1935
4. Birmingham 1924	29	27	17	17	17	18	20	17	24	27	21	27	22	49	35	78	Jan. 12 1930
5. London .. 1930	25	26	17	19	18	18	23	18	24	23	21	27	22	48	31	70	Jan. 12 1930
Kew .. 1912	27	26	20	19	21	19	23	19	24	25	25	32	23	52	32	72	Mar. 28 1916
Croydon .. 1922	31	26	19	22	21	19	24	17	24	26	29	30	24	54	36	81	Dec. 14 1936
Dover .. 1924	29	23	—	21	21	21	21	19	22	22	31	29	23	53	32	72	Nov. 16 1928
Lympne .. 1923	31	23	21	25	23	23	25	20	23	24	37	30	25	57	37	82	Sept. 17 1935
Calshot .. 1921	32	26	19	23	17	25	26	20	23	25	31	32	25	56	36	81	Nov. 9 1936
Boscombe Down 1933	32	23	17	20	17	18	24	17	27	25	27	29	23	51	32	72	Dec. 29 1929
Larkhill .. 1921	31	23	16	20	19	18	28	18	—	30	31	30	24	54	36	80	Sept. 17 1935
7a. Fleetwood .. 1924	39	22	20	19	19	21	25	23	25	38	33	40	27	60	40	89	Jan. 14 1934
Manchester .. 1934	39	27	20	21	18	21	23	24	26	33	25	30	26	57	39	88	Sept. 17 1935
Southport .. 1912	40	25	22	21	18	21	22	21	28	36	30	34	27	59	43	96	Dec. 6 1936
Liverpool .. 1929	41	28	23	22	19	25	25	24	29	39	31	37	29	64	41	92	Jan. 9 1936
7b. Holyhead .. 1912	36	29	24	22	20	20	29	20	29	37	29	37	28	62	39	86	Oct. 29 1927
Sealand .. 1925	36	23	18	19	17	27	20	20	25	32	27	30	25	55	39	88	Jan. 9 1936
8b. Moreton- hampstead 1936	37	32	20	20	17	18	23	21	26	28	32	30	25	57	37	82	Nov. 25 1928
Plymouth .. 1912	30	32	21	24	17	16	21	16	21	25	30	31	24	53	43	96	Jan. 9 1936
The Lizard .. 1935	41	37	22	26	23	21	25	21	29	28	39	33	29	64	41	92	Mar. 8 1922
Pendennis Castle 1912	38	40	24	26	21	20	28	21	27	29	37	34	29	64	46	103	Sept. 16 1935
9. Dunfanaghy Rd. 1927	32	23	25	26	16	17	25	21	26	35	29	36	26	58	49	109	Mar. 14 1905
Aldergrove .. 1927	27	31	20	23	21	17	22	17	21	32	25	29	24	53	38	84	Dec. 6 1929
10. Quilty .. 1912	29	30	19	21	16	17	24	15	24	27	25	28	23	51	> 50*	> 111*	Jan. 27 1920
Valentia .. 1917	33	41	26	24	26	22	27	19	23	34	33	33	28	63	43	96	Jan. 28 1927
Cork .. 1934	24	28	18	16	17	14	26	12	19	22	22	25	20	45	31	69	Nov. 23 1928
11. St. Mary's .. 1912	38	39	28	25	21	20	22	20	30	27	34	29	28	62	49	111	Dec. 31 1932
																	May 6 1934
																	Dec. 6 1929

† For the equivalent speeds in miles per hour reference should be made to the monthly issues. § See "Notes" column of Table X.

* This gust occurred as an isolated gust at a time when the mean wind speed was 23 m/s. It appeared very exceptional and apparently artificial. The custodian of the instrument affirmed in reply to an inquiry that the record had not been tampered with: unfortunately the circumstances at the time prevented personal investigation on the spot by a meteorological expert. Accordingly the record has been published, in the absence of any positive external evidence of its apparently artificial nature.

TABLE XVII [1934].—WEEKLY VALUES of MEAN VELOCITIES of Wind Components. Means of Values at the hours 3h., 9h., 15h. and 21h.

Week ending 1936	YARMOUTH (Gorleston).				HOLYHEAD.				SCILLY.				KINGSTOWN.			
	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.
January 4th ..	5.6	1.3	2.5	2.4	4.3	2.2	3.5	3.4	5.2	4.7	8.4	5.1	4.9	1.9	4.5	2.9
" 11th ..	6.9	0.0	3.6	4.4	7.8	2.8	7.4	3.9	7.7	3.7	11.5	8.6	6.0	2.2	7.9	3.8
" 18th ..	2.2	3.7	3.1	3.5	0.7	4.2	4.4	2.7	4.9	7.1	7.4	6.2	2.4	2.5	3.9	3.1
" 25th ..	3.5	0.9	4.1	5.4	2.9	4.1	9.6	5.7	6.8	6.1	6.4	7.8	3.0	5.7	9.2	6.4
February 1st ..	4.2	0.0	1.9	2.0	3.7	3.8	3.8	3.4	6.2	4.6	9.5	2.2	3.8	0.0	5.0	1.2
" 8th ..	2.9	2.6	3.2	6.4	5.7	7.6	3.6	3.5	11.4	8.4	3.2	5.7	7.8	3.0	6.2	3.1
" 15th ..	3.2	1.5	0.0	7.5	2.1	2.7	2.0	9.8	7.5	3.8	1.1	10.0	4.8	1.9	1.9	7.7
" 22nd ..	4.0	2.7	2.1	3.8	4.8	3.5	5.2	3.8	5.8	5.0	6.5	6.6	3.9	1.6	4.6	3.5
" 29th ..	3.5	5.5	2.1	2.5	3.4	6.6	5.9	3.1	3.3	9.1	6.6	5.2	2.6	5.6	7.4	3.5
March 7th ..	2.4	2.0	2.0	2.3	5.1	9.2	6.4	1.3	5.9	8.5	5.4	3.9	3.5	5.8	5.3	1.7
" 14th ..	3.2	3.8	0.7	2.9	2.0	3.1	1.0	3.3	3.3	6.9	1.3	4.9	2.9	3.8	2.1	2.4
" 21st ..	2.2	1.8	1.9	2.4	3.6	1.4	2.2	3.6	5.2	1.8	0.0	6.0	3.1	1.3	3.5	2.1
" 28th ..	3.7	3.1	0.0	3.1	3.6	2.9	2.3	6.4	5.8	1.3	3.8	6.2	5.0	2.1	0.0	4.7
April 4th ..	3.6	8.1	2.3	3.0	6.7	3.7	3.9	6.3	6.8	3.2	6.1	8.1	4.1	2.8	5.0	5.7
" 11th ..	0.0	6.4	1.9	1.9	0.0	4.1	1.0	4.2	0.0	4.4	0.0	7.1	0.7	2.3	2.5	4.4
" 18th ..	1.2	4.1	3.6	2.1	2.0	6.9	4.4	4.2	0.5	6.5	3.0	3.4	0.0	4.9	4.7	5.7
" 25th ..	4.0	3.3	2.9	4.3	6.2	5.4	3.7	5.3	6.5	6.7	7.8	2.8	5.7	4.1	4.0	5.0
May 2nd ..	2.8	4.2	2.7	2.2	4.1	1.7	3.7	0.0	2.0	5.2	5.3	4.5	2.3	2.0	5.1	1.7
" 9th ..	1.3	4.6	1.8	2.2	1.2	2.8	2.6	5.3	1.4	4.3	3.2	6.1	1.9	2.0	1.7	2.3
" 16th ..	1.8	3.4	2.3	4.4	5.0	2.3	2.1	1.5	6.4	2.0	3.1	0.8	4.1	1.8	1.7	1.9
" 23rd ..	3.1	6.0	2.9	4.1	2.5	4.3	2.7	5.5	1.4	6.7	4.1	4.2	2.0	3.9	4.1	3.1
" 30th ..	1.3	5.2	2.3	1.6	2.3	5.0	3.6	4.5	2.9	5.1	5.3	6.1	0.0	4.4	5.2	5.1
June 6th ..	3.3	6.1	2.8	4.5	3.0	6.6	3.1	4.2	2.0	8.6	6.1	0.0	3.9	4.2	5.5	3.1
" 13th ..	2.6	2.2	2.8	2.4	5.0	3.7	3.4	0.8	3.1	3.3	5.0	0.0	2.5	2.0	4.5	1.9
" 20th ..	4.0	2.8	2.6	2.6	6.1	2.4	4.9	2.7	5.3	1.6	6.1	5.2	4.5	1.3	5.2	1.7
" 27th ..	3.4	3.4														

TABLE XVI [1912].—MAXIMUM VALUE of the MEAN SPEED for an Hour measured as in Table XIIB during each Month of 1936. Unit, metre per second.†

District, Station and Type of Anemograph.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	H (Mean of Monthly Maxima.)		Gust Ratio G./H. (For G, see Table XV.)
													m/s.	m.p.h.	
0. Lerwick .. D	23	21	21	20	14	16	14	16	15	26	25	28	20	45	1.5
Kirkwall .. D	20	17	17	14	17	14	13	13	15	21	18	22	17	37	1.6
1. Aberdeen .. R	12	10	9	11	9	7	9	11	8	18	13	16	11	25	2.1
Bell Rock .. D	26	19	22	18	16	15	16	17	21	30	21	29	21	47	1.3
Edinburgh .. D	18	11	13	13	10	9	12	10	9	19	16	25	14	31	1.6
6a. Tiree .. D	16	17	16	17	16	13	13	12	12	30	20	28	17	39	1.5
Paisley .. D	14	10	10	12	9	8	9	10	8	18	11	16	11	25	2.3
Abbotsinch .. D	19	13	13	13	10	10	10	11	9	25	14	23	14	32	1.8
Eskdalemuir .. D	22	15	15	15	12	13	17	13	12	19	16	21	16	35	1.7
6b. Point of Ayre .. D	25	21	16	17	13	12	16	14	16	23	20	23	18	40	1.5
2. South Shields .. D	17	17	17	15	14	19	13	13	13	17	18	16	16	35	1.6
Catterick .. D	22	10	13	10	10	10	11	10	11	16	14	16	13	28	1.9
Spurn Head .. D	20	17	13	14	15	17	15	15	20	21	24	21	18	40	1.4
Cranwell .. D	18	13	11	10	11	10	11	9	14	15	12	16	13	28	1.7
Gorleston .. D	17	16	11	13	13	13	15	10	16	13	20	20	15	33	1.5
3. Mildenhall .. D	16	10	9	10	10	9	10	9	15	15	14	14	12	26	1.9
Cardington .. D	23	17	13	13	13	12	17	13	16	18	20	21	16	36	1.6
Shoeburyness .. D	21	22	13	18	14	14	17	13	15	15	18	22	17	38	1.4
4. Birmingham .. D	16	15	10	11	9	10	10	9	11	15	12	15	12	27	1.8
5. London .. D	12	12	7	9	8	7	9	7	11	9	9	11	9	21	2.4
Kew .. D	16	15	9	10	10	10	12	8	11	11	13	15	12	26	1.9
Croydon .. D	18	15	10	12	10	12	14	10	15	15	16	18	14	31	1.7
Dover .. d	17	18	—	16	13	12	13	12	15	14	17	19	15	34	1.5
Lympne .. D	20	16	14	17	15	13	14	11	13	15	19	18	15	34	1.7
Calshot .. D	22	20	12	16	12	14	18	13	13	16	19	22	16	37	1.6
Boscombe Down .. D	18	13	10	11	10	10	14	9	15	14	15	20	13	30	1.8
Larkhill .. D	18	15	11	13	13	11	15	10	17	17	19	19	15	33	1.6
7a. Fleetwood .. D	21	13	11	13	13	14	14	16	18	25	22	25	17	38	1.6
Manchester .. D	24	18	13	13	11	13	14	15	16	21	15	18	16	36	1.6
Southport .. D	25	16	13	13	12	14	14	14	19	25	18	25	17	39	1.6
Liverpool .. D	25	18	13	13	12	16	15	15	17	25	21	26	18	40	1.6
7b. Holyhead .. D	20	20	17	14	14	13	16	13	20	24	19	24	18	40	1.6
Sealand .. D	21	16	11	11	12	13	13	13	15	21	17	20	15	34	1.7
8b. Moretonhampstead .. D	21	16	11	11	9	9	11	9	13	15	17	17	13	30	1.9
Plymouth .. d	24	20	17	14	10	9	17	9	16	14	20	22	16	36	1.5
The Lizard .. D	26	29	15	19	16	14	18	14	21	18	25	24	20	45	1.5
Falmouth .. R	12	12	9	9	7	8	12	8	8	12	13	13	10	23	—
Pendennis Castle .. D	27	30	18	19	16	13	20	16	19	17	25	26	21	46	1.4
9. Dunfanaghy Road .. d	18	16	13	15	8	11	15	15	17	22	16	21	16	35	1.6
Aldergrove .. D	16	16	12	12	11	8	12	9	11	16	13	16	13	28	1.8
Armagh .. R	13	12	11	11	8	7	9	7	8	12	11	15	10	23	—
10. Kingstown .. R	27	19	18	16	14	15	17	13	20	20	19	18	18	40	—
Quilty .. d	20	22	13	16	11	13	18	11	17	20	18	19	17	37	1.4
Valentia .. D	20	23	14	15	15	14	15	11	13	14	16	18	15	35	1.9
Cork .. d	14	15	9	8	9	7	12	7	10	11	11	15	11	24	1.8
11. St. Mary's .. D	26	27	17	18	15	15	16	14	21	18	25	20	19	43	1.5

Note.—The highest mean speed recorded at M.O. Stations in the British Isles is 87 mi/hr., 35 m/s. This was recorded at Fleetwood on 22nd December, 1894. § See "Notes" column of Table X. † For the equivalent speeds in miles per hour reference should be made to the monthly issues. D Dines Pressure Tube Anemometer and direction recorder. d Dines Pressure Tube Anemometer without direction recorder. R Robinson cup-anemograph.

TABLE XVII [1934] (continued).—WEEKLY VALUES of MEAN VELOCITIES of Wind Components. Means of Values at the Hours 3h., 9h., 15h. and 21h.

Week ending 1936	YARMOUTH (Gorleston)				HOLYHEAD.				SCILLY.				KINGSTOWN.			
	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.
July 4th ..	5.1	2.8	2.2	2.7	3.5	1.7	2.5	1.6	3.4	2.3	7.0	2.9	2.8	1.1	3.4	1.1
" 11th ..	2.2	0.0	2.6	2.7	4.3	2.8	4.3	0.0	3.6	3.4	6.2	3.5	3.2	2.2	5.9	2.0
" 18th ..	4.1	3.3	3.2	3.9	4.4	1.7	4.6	4.2	5.9	4.3	8.1	4.7	3.0	1.2	6.6	3.0
" 25th ..	5.4	1.5	2.9	3.5	6.5	2.5	5.5	3.4	4.6	3.1	6.6	1.6	5.8	2.5	7.0	3.6
August 1st ..	2.7	3.3	1.9	2.7	3.8	3.8	3.7	1.9	3.8	5.6	4.9	2.7	3.1	1.6	6.3	3.4
" 8th ..	2.7	3.3	3.2	1.4	5.1	4.2	6.4	1.2	3.2	3.4	7.1	1.2	3.6	2.9	7.9	1.4
" 15th ..	2.2	3.2	2.1	2.2	5.0	2.3	2.5	0.9	5.2	2.5	4.1	1.3	2.9	2.6	4.1	0.9
" 22nd ..	2.6	2.3	1.7	1.6	4.9	2.1	2.6	0.0	4.9	3.4	3.6	0.0	3.2	1.2	5.5	1.7
" 29th ..	1.1	2.5	2.4	3.1	4.7	1.9	2.1	0.0	2.0	2.3	0.5	6.0	1.9	1.0	4.5	2.3
September 5th ..	4.0	1.9	3.0	3.0	4.1	0.9	5.1	2.5	5.7	3.6	6.4	3.1	3.0	1.5	6.7	2.1
" 12th ..	3.2	1.4	4.3	5.2	4.0	2.5	7.0	1.5	5.4	4.4	7.6	3.4	5.2	2.1	8.5	2.0
" 19th ..	0.9	2.8	2.0	2.0	3.3	4.3	1.8	3.3	2.5	5.5	5.0	2.1	2.1	2.7	3.7	1.5
" 26th ..	1.7	5.1	2.5	4.0	2.4	2.8	3.0	5.9	2.8	3.3	3.5	4.8	2.0	2.3	3.2	3.6
October 3d ..	1.9	3.8	2.6	4.3	2.4	6.1	7.1	2.8	5.3	3.8	6.0	5.5	5.6	3.3	4.5	3.9
" 10th ..	0.5	4.3	2.4	3.8	0.6	2.4	1.8	4.4	2.7	4.1	0.0	7.2	3.8	3.4	3.7	5.0
" 17th ..	2.3	2.5	3.3	1.0	3.8	1.7	6.9	0.0	4.9	4.6	7.3	4.4	4.3	1.4	5.6	0.0
" 24th ..	2.7	3.9	4.2	0.9	5.4	5.7	8.3	0.0	5.3	4.3	5.5	1.5	4.7	3.4	7.5	1.4
" 21st ..	3.9	5.7	4.3	0.0	4.3	6.4	10.1	1.5	5.9	6.8	9.0	0.0	5.0	4.4	8.1	1.1
November 7th ..	4.2	2.7	1.7	2.4	5.1	3.5	4.6	4.0	5.1	4.5	7.4	1.2	3.9	1.9	5.0	1.0
" 14th ..	5.8	4.4	2.1	3.7	4.2	8.0	10.6	4.7	6.6	6.8	11.4	5.1	5.1	9.2	8.0	5.8
" 21st ..	3.3	6.5	3.6	4.5	3.0	6.0	6.2	3.4	5.9	5.6	7.8	5.3	4.3	2.9	4.7	1.3
" 28th ..	0.3	1.4	2.5	3.3	2.2	3.1	2.4	2.0	3.3	5.2	1.1	4.4	2.7	1.3	3.5	1.6
December 5th ..	3.4	1.2	5.0	0.0	4.0	5.5	10.9	0.0	3.3	5.0	10.3	0.0	3.9	2.3	11.4	0.0
" 12th ..	3.5	2.3	3.9	3.6	4.4	8.9	4.9	1.5	5.0	6.1	6.1	2.6	3.9	2.8	6.7	0.0
" 19th ..	7.9	0.0	2.5	3.2	6.4	2.7	7.8	0.0	9.2	5.1	8.6	0.0	8.1	5.1	6.9	0.0
" 26th ..	4.4	1.7	2.6	0.3	6.1	2.6	6.3	0.0	8.2	3.6	2.5	6.7	4.7	0.8	4.5	0.0

TABLE XVIII, FORMERLY XVII, [1917].—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of winds of various strengths from different directions at 7h.

The following Tables incorporate the material used for drawing the "Wind-roses" shown on the Monthly Weather Report charts of mean pressure.

The tables show only eight possible directions for the wind. Observations at intermediate points are "thrown" alternatively forward and backward. The categories Light Winds, Strong Winds and Gales are equivalent to the Beaufort Forces 1 to 3, 4 to 7, 8 to 12, respectively.

The instructions to observers for estimating wind-force on the Beaufort Scale are published in the *Meteorological Observer's Handbook* where the conventional equivalents of the scale in terms of wind-speed at 10 metres above ground will also be found.

Wind-roses have been published in the Monthly Weather Report since 1884, but the present form, which indicates the strength as well as the direction of the winds, was not adopted until 1905.

LERWICK.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	4	1	0	0	2	0	1	5	1	1	3	0	0	1	0	1	1	0	1	1	0	3	4	1	11	18	2	0
February ..	3	1	0	2	0	0	1	1	1	1	2	2	0	5	1	0	2	1	2	1	0	2	1	0	11	13	5	0
March ..	1	2	0	0	0	1	1	0	0	1	3	0	5	5	1	3	3	0	1	1	0	1	1	0	13	15	2	1
April ..	5	4	0	1	3	1	0	0	0	0	0	0	0	2	0	1	3	0	3	2	0	2	3	0	12	17	1	0
May ..	1	5	0	3	3	0	1	2	0	0	4	0	6	0	0	2	2	0	1	1	0	0	0	0	14	17	0	0
June ..	2	0	0	3	0	0	0	1	0	3	1	0	5	2	0	2	1	0	3	1	0	5	0	0	23	6	0	1
July ..	1	2	0	2	2	0	2	2	0	4	1	0	4	2	0	4	0	0	1	2	0	1	0	0	19	11	0	1
August ..	0	0	0	0	1	0	1	0	0	1	1	0	3	3	0	5	6	0	3	2	0	2	2	0	15	15	0	1
September ..	1	0	0	1	2	0	2	2	0	0	3	0	4	3	0	3	0	0	1	0	0	5	1	0	17	11	0	2
October ..	0	1	0	3	1	0	1	1	0	1	0	0	1	3	0	1	1	0	0	8	1	1	5	0	8	20	1	2
November ..	1	1	0	0	2	0	1	1	0	2	1	0	3	3	0	2	3	0	2	2	0	3	3	0	14	13	3	0
December ..	1	0	0	0	1	0	0	1	0	0	0	0	0	1	2	0	5	4	1	6	3	1	4	1	3	18	10	0
Year ..	20	17	0	15	17	2	11	16	2	14	19	2	31	30	4	24	27	5	19	27	7	26	21	2	160	174	24	8

STORNOWAY.

January ..	3	1	0	1	2	0	2	3	0	2	1	0	2	0	1	2	1	0	2	1	0	4	1	0	18	10	1	2
February ..	1	2	0	2	1	0	1	1	0	5	1	0	1	5	0	3	1	0	2	1	0	1	0	0	16	12	0	1
March ..	2	0	0	1	1	1	2	2	0	3	3	0	2	2	0	5	1	0	3	0	0	1	1	0	19	10	1	1
April ..	3	2	0	1	4	0	1	1	0	1	1	0	0	0	0	0	4	0	3	2	0	6	0	0	15	15	0	0
May ..	1	1	0	1	6	0	0	2	0	3	2	0	4	2	0	3	4	0	1	0	0	0	0	0	13	17	0	1
June ..	5	0	0	9	0	0	2	0	0	1	0	0	2	4	0	2	1	0	2	1	0	0	1	0	23	7	0	0
July ..	3	0	0	2	2	0	2	2	0	0	1	0	2	2	0	2	2	0	2	2	0	4	2	0	17	13	0	1
August ..	2	0	0	1	0	0	1	0	0	1	1	0	3	5	0	2	4	0	2	4	0	3	2	0	15	16	0	0
September ..	2	2	0	1	0	0	2	2	0	0	2	0	2	3	0	2	2	0	0	0	0	3	1	0	12	12	0	6
October ..	1	1	0	0	0	0	0	0	0	2	0	0	1	2	0	4	4	0	3	5	0	5	2	0	16	14	0	1
November ..	2	0	0	1	1	0	1	1	0	1	2	0	1	4	0	3	4	0	2	2	0	4	1	0	15	15	0	0
December ..	1	0	1	0	0	0	0	0	0	0	0	0	0	5	0	4	8	3	1	4	0	2	1	1	8	18	5	0
Year ..	25	9	1	20	17	1	14	14	0	19	14	0	20	33	1	33	37	3	24	20	0	34	12	1	187	159	7	13

ABERDEEN.

January ..	1	1	0	1	1	0	0	1	0	2	2	0	2	0	0	3	0	0	4	2	0	7	2	0	20	9	0	2
February ..	1	0	0	1	0	0	0	2	0	0	1	0	5	2	0	7	1	0	2	0	0	6	0	0	22	6	0	1
March ..	2	0	0	2	1	0	0	0	0	7	1	0	4	0	0	8	0	0	1	0	0	2	1	0	26	3	0	2
April ..	4	2	0	1	0	0	0	0	0	1	0	0	1	1	0	1	1	0	5	0	0	10	3	0	23	7	0	0
May ..	4	2	0	3	0	0	2	0	0	2	1	0	5	0	0	0	0	0	1	0	0	6	2	0	23	5	0	3
June ..	5	0	0	1	0	0	1	0	0	1	0	0	5	0	0	2	0	0	1	0	0	9	0	0	25	0	0	5
July ..	1	1	0	0	0	0	4	0	0	3	0	0	1	2	0	3	0	0	8	0	0	6	1	0	26	4	0	1
August ..	0	0	0	0	0	0	2	0	0	1	0	0	6	0	0	5	0	0	4	1	0	9	1	0	27	2	0	2
September ..	3	0	0	1	0	0	0	0	0	2	0	0	6	0	0	2	0	0	3	0	0	5	1	0	22	1	0	7
October ..	0	0	0	0	0	0	1	0	0	0	0	0	5	1	0	3	0	0	4	4	0	11	1	0	24	6	0	1
November ..	0	0	0	0	0	0	0	1	0	0	1	0	5	0	0	4	0	0	5	1	0	11	1	0	24	4	0	2
December ..	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	8	4	0	2	1	0	4	3	0	19	9	0	3
Year ..	21	6	0	10	2	0	10	4	0	19	6	0	50	7	0	46	6	0	40	9	0	86	16	0	281	56	0	29

TABLE XVIII (continued). "WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

ESKDALEMUIR.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	4	1	0	0	1	0	0	1	0	2	1	0	1	0	0	2	2	0	1	2	0	1	3	0	11	11	0	9
February ..	5	2	0	6	1	0	0	2	0	0	0	0	3	1	0	2	2	0	1	0	0	1	0	0	18	8	0	3
March ..	6	1	0	3	2	0	1	1	0	1	1	0	3	0	0	1	2	0	1	1	0	1	0	0	17	8	0	6
April ..	6	3	0	3	2	0	0	0	0	2	0	0	2	0	0	1	2	0	1	0	0	2	0	0	17	7	0	6
May ..	3	3	0	7	7	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	15	10	0	6
June ..	3	0	0	5	4	0	2	0	0	0	0	0	2	2	0	2	3	0	0	0	0	1	0	0	15	9	0	6
July ..	1	0	0	4	0	0	1	0	0	1	1	0	3	1	0	5	2	0	0	2	0	2	2	0	17	8	0	6
August ..	0	0	0	1	0	0	0	0	0	1	0	0	5	3	0	3	2	0	3	1	0	2	1	0	15	7	0	9
September ..	4	2	0	3	1	0	1	0	0	1	0	0	5	0	0	1	0	0	2	0	0	2	0	0	19	3	0	8
October ..	5	0	0	1	0	0	1	0	0	0	0	0	2	0	0	2	2	0	2	5	0	2	2	0	15	9	0	7
November ..	5	0	0	1	1	0	0	0	0	0	1	0	3	0	0	3	3	0	1	1	0	2	0	0	15	6	0	9
December ..	1	1	0	0	0	0	0	0	0	1	0	1	8	1	1	3	2	1	3	2	0	0	1	0	16	7	2	6
Year ..	43	13	0	37	19	0	7	4	0	10	4	1	38	8	1	26	22	1	15	14	0	17	9	0	190	93	2	81

TYNEMOUTH.

January ..	0	2	0	1	0	0	0	1	0	0	1	0	3	1	0	6	0	0	11	1	0	4	0	0	25	6	0	0
February ..	1	1	0	0	2	0	1	1	0	1	3	0	4	2	0	4	1	0	8	0	0	0	0	0	19	10	0	0
March ..	1	1	0	3	1	0	3	1	0	7	2	0	5	0	0	0	0	0	7	0	0	0	0	0	26	5	0	0
April ..	2	4	0	2	1	0	2	1	0	0	0	0	0	0	0	4	0	0	8	1	0	5	0	0	23	7	0	0
May ..	8	4	0	0	1	0	4	1	0	3	0	0	3	0	0	2	0	0	2	1	0	2	0	0	24	7	0	0
June ..	7	2	0	2	2	0	0	0	0	0	0	0	6	0	0	4	0	0	7	0	0	0	0	0	26	4	0	0
July ..	3	0	0	0	0	0	2	0	0	2	0	0	2	1	0	5	0	0	12	1	0	2	0	0	28	2	0	1
August ..	1	0	0	0	0	0	0	0	0	2	0	0	3	1	0	8	0	0	11	2	0	2	0	0	27	3	0	1
September ..	6	0	0	2	0	0	1	0	0	2	0	0	5	0	0	5	0	0	4	1	0	4	0	0	29	1	0	0
October ..	5	0	0	0	0	0	0	0	0	0	1	0	1	0	0	5	0	0	11	4	1	2	1	0	24	6	1	0
November ..	0	2	0	0	1	0	0	1	0	1	0	0	1	0	0	9	1	0	11	2	0	1	0	0	23	7	0	0
December ..	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	9	2	0	10	6	0	0	1	0	21	10	0	0
Year ..	34	16	0	10	8	0	13	6	0	18	7	0	35	6	0	61	4	0	102	19	1	22	2	0	295	68	1	2

YARMOUTH (GORLESTON).

January ..	0	0	0	0	1	0	0	0	0	1	4	0	4	4	0	8	3	0	3	1	0	1	1	0	17	14	0	0
February ..	1	1	0	0	0	0	4	3	0	1	6	0	1	1	0	2	0	0	4	0	0	4	0	0	17	11	0	1
March ..	1	0	0	3	3	0	2	0	0	7	2	0	2	0	0	6	1	0	1	0	0	2	0	0	24	6	0	1
April ..	1	3	0	1	4	0	0	0	0	0	1	0	2	1	0	2	0	0	6	1	0	5	3	0	17	13	0	0
May ..	4	3	0	5	4	0	0	1	0	1	2	0	0	0	0	1	0	0	1	0	0	4	4	0	16	14	0	1
June ..	3	1	0	2	0	0	0	0	0	4	0	0	3	1	0	3	0	0	6	0	0	5	0	0	26	2	0	2
July ..	1	1	0	1	0	0	0	0	0	0	2	0	4	4	0	8	4	0	5	0	0	0	0	0	19	11	0	1
August ..	1	0	0	3	0	0	0	1	0	0	0	0	3	0	0	6	0	0	10	0	0	4	0	0	27	1	0	3
September ..	1	2	0	0	3	0	0	1	0	1	6	0	0	1	0	2	1	0	6	1	0	3	0	0	13	15	0	2
October ..	1	2	0	1	1	0	0	1	0	1	0	0	1	2	0	6	3	0	6	2	0	3	1	0	19	12	0	0
November ..	0	1	1	1	2	0	2	0	0	0	0	0	4	2	0	6	2	0	5	1	0	2	0	0	20	8	1	1
December ..	0	0	0	0	0	0	0	0	0	1	0	0	3	8	1	4	2	0	5	2	0	2	0	0	15	12	1	3
Year ..	14	14	1	17	18	0	8	7	0	17	23	0	27	24	1	54	16	0	58	8	0	35	9	0	230	119	2	15

BIRMINGHAM (EDGBASTON).

January ..	1	1	0	0	0	0	5	0	0	4	1	0	3	3	0	4	3	0	2	1	0	2	0	0	21	9	0	1
February ..	1	0	0	2	1	0	4	1	0	5	1	0	2	1	0	4	0	0	3	0	0	2	0	0	23	4	0	2
March ..	1	1	0	2	0	0	4	1	0	9	0	0	3	0	0	2	0	0	2	1	0	2	1	0	25	4	0	2
April ..	5	1	0	4	1	0	2	1	0	1	0	0	0	0	0	3	0	0	4	0	0	8	0	0	27	3	0	0
May ..	3	1	0	9	0	0	5	1	0	3	0	0	1	0	0	1	0	0	3	0	0	4	0	0	29	2	0	0
June ..	2	0	0	5	0	0	3	0	0	2	0	0	4	0	0	5	0	0	5	0	0	4	0	0	30	0	0	0
July ..	2	0	0	0	0	0	1	0	0	2	0	0	4	1	0	11	1	0	5	1	0	2	0	0	27	3	0	1
August ..	3	0	0	0	0	0	3	0	0	0	0	0	5	0	0	7	0	0	6	0	0	5	0	0	29	0	0	2
September ..	4	0	0	3	0	0	1	0	0	5	0	0	3	0	0	3	0	0	2	1	0	6	1	0	27	2	0	1
October ..	4	1	0	2	0	0	2	0	0	1	0	0	4	0	0	3	1	0	4	4	0	4	1	0	24	7	0	0
November ..	5	0	0	3	0	0	0	0	0	1	0	0	3	2	0	8	1	0	3	1	0	3	0	0	26	4	0	0
December ..	0	0	0	0	0	0	0	0	0	3	0	0	4	3	0	6	3	0	4	4	0	2	1	0	19	11	0	1
Year ..	31	5	0	30	2	0	30	4	0	36	2	0	36	10	0	57	9	0	43	13	0	44	4	0	307	49	0	10

TABLE XVIII (continued).—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

KEW OBSERVATORY.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	1	1	0	0	0	0	3	0	0	1	0	0	6	1	0	8	2	0	3	1	0	0	0	0	22	5	0	4
February ..	0	0	0	1	1	0	7	2	0	0	1	0	3	1	0	1	0	0	5	0	0	3	0	0	20	5	0	4
March ..	2	0	0	5	0	0	4	1	0	5	0	0	2	0	0	3	0	0	3	0	0	2	0	0	26	1	0	4
April ..	2	1	0	5	4	0	1	0	0	0	0	0	1	0	0	5	0	0	4	0	0	6	0	0	24	5	0	1
May ..	5	2	0	9	0	0	4	0	0	2	0	0	1	0	0	4	0	0	1	0	0	3	0	0	29	2	0	0
June ..	4	1	0	4	0	0	4	0	0	1	0	0	4	0	0	6	0	0	4	0	0	2	0	0	29	1	0	0
July ..	1	0	0	0	0	0	1	0	0	3	0	0	1	2	0	13	2	0	4	1	0	1	0	0	24	5	0	2
August ..	5	0	0	2	0	0	1	0	0	0	0	0	1	0	0	9	0	0	6	0	0	1	0	0	25	0	0	6
September ..	5	0	0	2	0	0	3	1	0	1	0	0	2	0	0	5	0	0	4	2	0	1	0	0	23	3	0	4
October ..	5	0	0	2	0	0	1	0	0	1	0	0	1	0	0	10	3	0	4	1	0	2	0	0	26	4	0	1
November ..	4	1	0	2	1	0	0	0	0	0	0	0	3	1	0	10	3	0	3	0	0	1	0	0	23	6	0	1
December ..	0	0	0	2	0	0	3	0	0	0	0	0	3	3	0	9	3	0	3	2	0	1	0	0	21	8	0	2
Year ..	34	6	0	34	6	0	32	4	0	14	1	0	28	8	0	83	13	0	44	7	0	23	0	0	292	45	0	29

HOLYHEAD.

January ..	0	2	0	1	1	0	5	1	0	2	2	0	2	3	0	2	1	0	3	3	0	1	1	0	16	14	0	1
February ..	1	2	0	2	0	0	1	4	0	2	2	0	1	3	0	3	2	0	0	1	0	0	4	0	10	18	0	1
March ..	2	2	0	1	0	0	5	3	0	2	3	0	3	1	0	1	2	0	1	2	0	1	0	0	16	13	0	2
April ..	1	4	0	4	2	0	4	2	0	1	1	0	0	0	0	0	4	0	0	1	0	3	1	0	13	15	0	2
May ..	3	2	0	2	5	0	2	3	0	1	0	0	0	1	0	0	0	0	3	1	0	2	1	0	17	13	0	1
June ..	2	5	0	0	1	0	0	2	0	2	0	0	4	1	0	2	2	0	2	3	0	2	0	0	14	14	0	2
July ..	0	0	2	0	0	0	2	0	0	0	2	0	3	1	0	4	4	0	2	7	0	1	2	0	12	18	0	1
August ..	2	0	0	0	0	0	0	0	0	1	0	0	4	6	0	2	1	0	7	3	0	2	2	0	18	12	0	1
September ..	0	1	0	2	2	0	3	1	0	3	0	0	4	1	0	2	1	0	1	4	0	1	1	0	16	11	0	3
October ..	0	2	0	1	0	0	2	2	0	5	0	0	0	3	0	0	3	0	1	6	2	0	4	0	9	20	2	0
November ..	0	2	0	0	2	0	1	0	0	4	0	0	3	1	0	3	4	0	0	4	1	0	3	0	11	16	1	2
December ..	2	1	0	1	0	0	0	0	0	0	0	0	2	3	0	1	6	0	0	8	0	1	3	2	7	21	2	1
Year ..	13	25	0	14	13	0	25	18	0	23	10	0	30	24	0	20	30	0	20	43	3	14	22	2	159	185	5	17

BLACKSOD POINT.

January ..	0	2	0	0	1	0	1	5	0	0	1	0	2	1	0	1	1	0	5	2	0	1	1	0	10	14	0	7
February ..	2	2	0	0	0	0	2	5	0	3	2	0	0	2	0	0	2	0	1	3	0	0	2	0	8	18	0	3
March ..	2	2	0	0	1	0	3	6	0	4	2	0	1	1	0	1	1	0	0	2	0	1	1	0	12	16	0	3
April ..	3	1	0	4	2	0	4	5	0	0	2	0	0	1	0	1	2	0	3	1	0	0	1	0	15	15	0	0
May ..	1	5	0	1	4	0	1	2	0	2	0	0	1	5	0	0	0	0	1	2	0	2	1	0	10	19	1	1
June ..	3	1	0	1	0	0	4	0	0	1	0	0	2	2	0	2	1	0	4	3	0	0	2	0	17	9	0	4
July ..	3	0	0	0	1	0	2	2	0	1	0	0	2	2	0	1	0	0	5	4	0	3	4	0	17	13	0	1
August ..	0	0	0	0	0	0	0	0	0	3	1	0	3	0	0	5	3	0	6	2	0	3	1	0	20	7	0	4
September ..	0	0	0	1	0	0	5	2	0	4	0	0	1	0	0	4	0	0	2	1	0	1	4	0	19	7	0	4
October ..	0	0	0	0	0	0	4	0	0	2	3	0	0	1	0	1	1	0	3	4	2	5	2	1	15	11	3	2
November ..	1	0	0	0	1	0	1	0	0	2	0	0	4	0	0	0	2	0	1	5	0	2	3	1	11	10	2	7
December ..	0	0	1	0	0	0	0	0	0	1	0	0	3	3	2	0	2	0	3	8	0	2	2	2	9	15	5	2
Year ..	16	13	1	7	9	1	27	27	0	23	11	0	19	18	2	16	15	1	35	37	2	20	24	4	163	154	11	38

MALIN HEAD.

January ..	4	2	0	1	2	0	1	2	0	1	0	0	5	3	0	4	0	0	2	0	0	1	2	0	19	11	0	1
February ..	0	3	0	1	2	0	0	2	0	3	3	0	7	2	0	2	0	0	1	1	0	1	0	0	15	13	0	1
March ..	0	3	0	1	0	0	3	2	0	5	1	0	5	2	0	3	1	0	1	1	0	2	1	0	20	11	0	0
April ..	2	3	0	2	2	0	2	1	0	3	0	0	2	0	0	3	3	0	3	0	0	3	0	0	20	9	0	1
May ..	1	6	0	0	2	0	5	3	0	4	0	0	6	1	0	0	0	0	0	1	0	1	1	0	17	14	0	0
June ..	2	2	0	0	0	0	3	2	0	1	0	0	3	3	0	4	0	0	1	1	0	5	0	0	19	8	0	3
July ..	2	1	0	2	0	0	2	2	0	1	0	0	2	1	0	2	2	0	3	4	0	5	2	0	19	12	0	0
August ..	0	0	0	0	1	0	1	0	0	1	0	0	8	1	0	3	3	0	4	5	0	2	2	0	19	12	0	0
September ..	1	0	0	2	0	0	3	0	0	2	1	0	8	3	0	5	0	0	0	2	0	0	2	0	21	8	0	1
October ..	1	0	1	1	0	0	1	0	0	5	0	0	4	1	0	1	2	0	2	5	0	1	6	0	16	14	1	0
November ..	1	3	0	0	1	0	0	0	0	1	1	0	9	4	0	2	2	0	2	2	0	1	1	0	16	14	0	0
December ..	1	1	0	0	0	0	0	0	0	0	0	0	6	6	0	3	5	0	2	5	0	1	1	0	13	18	0	0
Year ..	15	24	1	10	10	0	21	14	0	27	6	0	65	27	0	32	18	0	21	27	0	23	18	0	214	144	1	7

TABLE XVIII (continued).—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

VALENTIA OBSERVATORY.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	1	1	0	3	3	0	4	2	0	2	0	0	2	2	0	2	2	0	0	1	0	3	2	0	17	13	0	1
February ..	0	4	0	3	0	0	2	4	0	1	5	0	4	1	0	0	0	0	0	1	0	2	1	0	12	16	0	1
March ..	1	2	0	3	3	0	3	2	0	2	3	0	1	2	0	1	2	0	0	0	0	2	1	0	13	15	0	3
April ..	0	2	0	8	3	0	4	1	0	0	1	0	0	1	0	1	2	0	1	1	0	0	0	0	14	11	0	5
May ..	4	1	0	3	5	0	1	2	0	3	1	0	3	1	0	0	1	0	0	0	0	3	0	0	17	11	0	3
June ..	2	1	0	3	1	0	2	0	0	1	2	0	2	1	0	0	3	0	2	1	0	1	1	0	13	10	0	7
July ..	0	2	0	0	0	0	1	0	0	0	0	0	3	2	0	2	4	0	3	2	0	5	5	0	14	15	0	2
August ..	2	1	0	3	0	0	2	0	0	1	0	0	3	3	0	1	2	0	2	1	0	3	1	0	17	8	0	6
September ..	1	0	0	0	0	0	6	1	0	1	1	0	7	0	0	1	0	0	1	0	0	0	2	0	16	7	0	7
October ..	3	0	0	3	0	0	3	2	0	0	3	0	0	2	0	3	2	0	1	4	0	2	3	0	15	16	0	0
November ..	3	1	0	5	0	0	2	0	0	0	2	0	1	0	0	1	4	0	0	5	0	1	3	0	13	15	0	2
December ..	0	1	0	2	0	0	2	1	0	0	2	0	0	4	0	2	6	0	0	5	0	0	6	0	6	25	0	0
Year ..	17	16	0	36	15	0	32	15	0	11	20	0	26	19	0	14	28	0	9	24	0	22	25	0	167	162	0	37

SCILLY.

January ..	0	1	0	0	1	0	0	1	0	2	4	0	1	1	0	0	4	0	2	7	0	1	6	0	6	25	0	0
February ..	1	4	0	0	2	0	0	2	0	1	4	1	1	5	0	1	1	0	1	1	0	1	3	0	6	22	1	0
March ..	2	2	0	2	3	0	1	2	0	1	6	0	2	3	0	1	3	0	0	1	0	0	2	0	9	22	0	0
April ..	0	5	0	2	6	0	1	4	0	0	1	0	0	2	0	1	1	0	1	2	0	3	1	0	8	22	0	0
May ..	6	2	0	1	6	0	1	5	0	0	0	0	0	0	0	1	1	0	2	0	0	3	3	0	14	17	0	0
June ..	0	2	0	2	1	0	2	1	0	2	3	0	1	0	0	1	2	0	2	3	0	4	4	0	14	16	0	0
July ..	1	1	0	1	0	0	0	0	0	0	1	0	2	0	0	5	8	0	2	6	0	1	3	0	12	19	0	0
August ..	3	1	0	3	0	0	1	2	0	0	1	0	1	1	0	1	4	0	1	1	0	8	2	0	18	12	0	1
September ..	0	1	0	4	0	0	2	0	0	2	0	0	3	0	0	1	1	0	3	3	0	3	2	0	18	7	0	5
October ..	0	1	0	2	2	0	1	3	0	1	3	0	0	1	0	1	2	0	2	5	0	0	7	0	7	24	0	0
November ..	0	2	0	1	4	0	1	2	0	2	1	0	1	1	0	0	4	0	1	6	0	1	3	0	7	23	0	0
December ..	1	2	0	0	0	0	1	0	0	0	1	0	1	3	0	1	6	1	1	6	0	2	5	0	7	23	0	1
Year ..	14	23	0	18	25	0	11	22	0	11	25	1	13	17	0	14	37	1	18	41	0	27	41	0	126	231	2	7

GUERNSEY (WIRELESS STATION)

January ..	1	1	0	0	0	0	1	2	0	4	1	0	1	3	0	2	6	0	1	4	0	3	1	0	13	18	0	0
February ..	2	0	0	1	1	0	1	2	0	4	3	0	2	1	0	2	0	0	2	1	0	3	1	0	17	9	0	3
March ..	1	1	0	3	2	0	2	1	0	6	3	0	6	1	0	3	0	0	1	0	0	0	1	0	22	9	0	0
April ..	3	0	0	3	8	0	0	2	0	1	1	0	0	1	0	1	2	0	1	1	0	5	1	0	14	16	0	0
May ..	3	0	0	6	5	0	3	0	0	2	0	0	2	0	0	2	0	0	1	0	0	6	0	0	25	5	0	1
June ..	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	5	0	0	3	1	0	9	2	0	21	3	0	6
July ..	1	0	0	0	0	0	0	0	0	3	0	0	2	1	0	5	4	0	8	4	0	3	0	0	22	9	0	0
August ..	3	0	0	4	0	0	2	0	0	1	0	0	0	0	0	3	0	0	6	0	0	7	2	0	26	2	0	3
September ..	0	1	0	4	0	0	2	0	0	2	0	0	3	0	0	1	1	0	3	3	0	3	2	0	18	7	0	5
October ..	1	1	0	4	1	0	1	1	0	2	0	0	0	0	0	2	1	0	1	3	0	4	4	0	15	11	0	5
November ..	3	1	0	1	3	0	3	2	0	1	0	0	1	0	0	1	3	0	3	4	0	1	2	0	14	15	0	1
December ..	3	1	0	1	0	0	1	1	0	2	0	0	3	0	0	4	3	0	2	3	0	1	4	0	17	12	0	2
Year ..	22	6	0	28	20	0	17	11	0	28	8	0	21	7	0	31	20	0	32	24	0	45	20	0	224	116	0	26

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