

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

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# THE MONTHLY WEATHER REPORT, 1936

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# PREFACE

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	cont.	Bradford ..	- E1 E4 -	cont.	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 <sub>g</sub> . 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 <sup>1</sup> . 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 <sup>1</sup> ,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 Com- mission (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 <sup>1</sup> .	— —	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 <sup>1</sup> .	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 <sup>1</sup> ,μ	30 23	The Director.
Birmingham .. ..	—	—	—	—	—	—	— —	—
(Edgbaston) .. ..	4	Warwick ..	52 29	1 56W.	T.A.	D,W,M,W <sup>1</sup> ,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 .. ..	9	Lancashire ..	53 49	3 3W.	III H.	d.	25 30	Medical Officer of Health.
Blacksod Point .. ..	7	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. [Soc.])
Bradford (Lister Park)	4	Yorkshire (W.R.)	53 49	1 46W.	III	m,W <sup>1</sup> .	23 23	The Corporation.
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 <sup>1</sup> .	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 <sup>1</sup> .	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 <sup>1</sup> .	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.
			N.	W.			Temp. Sun- shine.	
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.
Carnoustie (Buddon Ness Lighthouse) ..	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. See Hartest.
Chadacre .. ..								
Chelmsford (Agric. Station) .. ..	3	Essex ..	51 42	0 29E.	III C.W.	m.	— —	The Principal, East Anglian Institute of Agriculture. See London.
Chelmsford (County Gdns.) .. ..	3	Essex ..	51 44	0 27E.	III	m.	— —	
Chelsea .. ..								
Cheltenham (Montpellier Gdns.)	4	Gloucester ..	51 54	2 3W.	II H.	d,M.	25 24	The Town Clerk. See Rowlands Gill.
Chopwellwood .. ..								
Ciliau Aeron .. ..	8	Cardigan ..	52 13	4 11W.	III	M.	— —	G. C. Faber, Esq.
Cirencester .. ..	4	Gloucester ..	51 42	2 0W.	III C.W.	m.	15 15	The Principal, Royal Agricultural College.
Clacton-on-Sea .. ..	3	Essex ..	51 47	1 9E.	III H.	d,W,m.	20 26	The Town Clerk.
Cleethorpes (King's Parade) ..	2	Lincolnshire ..	53 33	0 1W.	III H.	d,m.	— —	The Engineer and Surveyor. See Morpeth.
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. See Dyce.
Craibstone .. ..								
Craigston .. ..								
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. See Addington.
Croydon (Addington)								
Croydon .. ..	5	Surrey ..	51 21	0 7W.	I	D,M,μ.	10 10	Meteorological Office. (Officer-in-Charge.)
Cullompton .. ..	8	Devonshire ..	50 51	3 23W.	III	W,m.	30 30	Murray T. Foster, Esq.
Cupar (Asylum) ..	1	Fife ..	56 19	3 1W.	III	m.	28 —	The Medical Superintendent.
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.
Datchet .. ..	4	Buckingham ..	51 30	0 34W.	III	—	— —	Imperial Chemical Industries, Ltd.
Deal .. ..	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.).
Doncaster .. ..	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.
Dovercourt .. ..	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.) .. ..								See Glasnevin.
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 <sup>1</sup> .	15 15	The Director of Studies.
Dundee (Harbour) ..	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 <sup>1</sup>	— —	The Carnegie Dunfermline Trust.
Dungavel .. ..								See Strathaven.
Dungeness .. ..	5	Kent ..	50 55	0 58E.	T.	D,M.	10 —	Chief Officer R.N. Signal Station, (M.O.).
Dunoon (Ben More) ..	6	Argyll ..	56 2	4 59W.	III C.W.	m.	— —	Forestry Commission (Scotland).
Dunoon .. ..	6	Argyll ..	55 58	4 56W.	III H.	m.	— —	The Town Council. (W. Rodger, Esq.).
Duntulm .. ..	0	Inverness ..	57 39	6 22W.	III	m.	— —	Seton Gordon, Esq.
Durham .. ..	2	Durham ..	54 46	1 35W.	II	W,M.	30 30	University Observatory. (F. Sargent).
„ (Houghall Hort. Stn.)	2	Durham ..	54 45	1 35W.	III C.W.	m.	— —	County Education Committee.
Dyce (Craibstone) ..	1	Aberdeen ..	57 11	2 12W.	III C.W.	m.	— —	Aberdeen and North of Scotland College of Agriculture.
Earls Colne (Grammar School) .. ..	3	Essex ..	51 55	0 42E.	III	m.	— —	The Head Master.
Eastbourne (Wilmington Sq.) .. ..	5	Sussex ..	50 46	0 17E.	II H.	d,m.	30 30	Medical Officer of Health.
East Ham .. ..								See London.
East Malling (Research Stn.) .. ..	5	Kent ..	51 17	0 24E.	III C.W.	m.	— —	The Director. See Birmingham.
Edgbaston .. ..								
Edinburgh :— Blackford Hill ..	1	Midlothian ..	55 55	3 11W.	II A.	W <sup>1</sup> ,W,M,μ.	30 30	The Astronomer Royal for Scotland.
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.	— —	Edinburgh and East of Scotland College of Agriculture.
University, (King's Buildings)	1	Midlothian ..	55 55	3 11W.	III	m.	— —	Professor Sir T. Hudson Beare, F.R.S.E.



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			° N.	°			Temp. Sun- shine.	
Ellbridge (Experimental Stn.) .. ..								See St. Mellion. See London.
Enfield .. ..								
Eskdalemuir (Observ- atory) .. ..	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 <sup>1</sup> .	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 <sup>1</sup> ,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, See London.
Hampstead Res. ..								
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 In- stitute.
Hinckley .. ..	4	Leicester ..	52 32	1 22W.	II	—	— —	E. H. Salter, Esq.
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 <sup>1</sup> .	24 24	The Corporation (Dr. Woodhead).
(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 <sup>1</sup> .	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 Lanca- shire 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 <sup>1</sup>	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 <sup>1</sup>	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 flarington, 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.
Llandrindon Wells ..	8	Radnor ..	52 14	3 21W.	III H.	M.	— —	Clerk to the U.D.C.
Llety-evan-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 <sup>1</sup> .	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 <sup>1</sup> .	30 27	The Director, Physical Laboratories, University 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.
(Sunnyside 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.				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 <sup>1</sup> .	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 <sup>1</sup> .	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 <sup>1</sup> ,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 <sup>1</sup> ,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 <sup>1</sup> ,μ.	30 30	The Corporation. (Messrs. Prigg, Lindon 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 Ph.)	5	Hampshire ..	50 48	1 6W.	III H.	d,W <sup>1</sup> .	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, $\mu$	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, $\mu$	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)	8	Devon ..	50 42	3 4W.	III H.	—	— —	U.D.C. (Lieut.-Col. H. Anderson-Neville.) See 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 <sup>1</sup> ,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, $\mu$ .	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, $\mu$ .	10 17	Meteorological Officer. See London.
South Kensington ..	7	Lancashire ..	53 37	3 0W.	II H.A.	d,W,M, $\mu$ .	30 30	The Corporation (A. Goodwill).
Southport ..	7	Lancashire ..	53 37	3 0W.	II H.A.	d,W,M, $\mu$ .	30 30	The Corporation (A. Goodwill).
South Shields (South Pier Works)	2	Durham ..	55 0	1 26W.	A.	$\mu$ .	— —	Tyne Improvement Commission. See Birmingham.
Sparkhill ..	2	Yorkshire(E.R.)	53 35	0 7E.	T.A.	D,M, $\mu$ .	10 10	See Norwich.
Sprowston ..	2	Yorkshire(E.R.)	53 35	0 7E.	T.A.	D,M, $\mu$ .	10 10	Lightkeeper (M.O.).
Spurn 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
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
Teignmouth (Den Gardens) ..	8	Devonshire ..	50 32	3 29W.	III H.	m.	22 25	(J. Hannay Thomson).
Tenby (The Priory) ..	8	Pembroke ..	51 40	4 42W.	III H.	—	— 30	Medical Officer of Health.
Terrington ..	3	Norfolk ..	52 45	0 18E.	III C.W.	m.	— —	The Town Clerk.
Thetford (Lynford Nursery) ..	3	Norfolk ..	52 30	0 41E.	III C.W.	m.	— —	The Horticultural Superintendent.
Thornhill ..	6	Dumfries ..	55 16	3 43W.	III	m.	— —	Forestry Commission.
Thorntonhall ..	6	Lanark ..	55 46	4 15W.	III	m.	— —	C. L. Johnstone, Esq.
Tintagel ..	8	Cornwall ..	50 40	4 45W.	III H.	—	24 24	A. Henderson Bishop, Esq.
Tiree ..	6	Argyll ..	56 32	6 55W.	T.A.	D,M, $\mu$ .	— —	Trust Houses, Ltd.
Torquay ..	8	Devonshire ..	50 28	3 31W.	III H.	d,m.	25 30	J. R. Morrison, M.A., B.Sc. (M.O.).
Totland Bay (Aston House) ..	5	Isle of Wight ..	50 41	1 33W.	III H.	m.	30 29	The Corporation (C. Bellinger).
Tottenham ..	6	Ayr ..	55 32	4 40W.	III H.	d,m.	— —	Totland Bay Hotel and Pier Co., Ltd. See London. (J. Dover, M.A.).
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 <sup>1</sup> .	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 (Hodsock) ..	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 <sup>1</sup> . {	— 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.



*Houghall*.—The raindays for each month should be deleted.



*Hastings*—Height of barometer should be 154 feet from August onwards.



## 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.	35	...	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



Month		Days of the Month										Total	
Year	Month	1	2	3	4	5	6	7	8	9	10	11	12
1900	Jan												
	Feb												
	Mar												
	Apr												
	May												
	Jun												
	Jul												
	Aug												
	Sep												
	Oct												
	Nov												
	Dec												

Monthly Weather Report for the District of Columbia

For the District of Columbia

Month	1	2	3	4	5	6	7	8	9	10	11	12
Jan												
Feb												
Mar												
Apr												
May												



## 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: ADAMSON 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.

VOL. 53. No. 1.

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.**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.	°F.	°F.	°F.	°F.	°F.	%		%	%
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.]

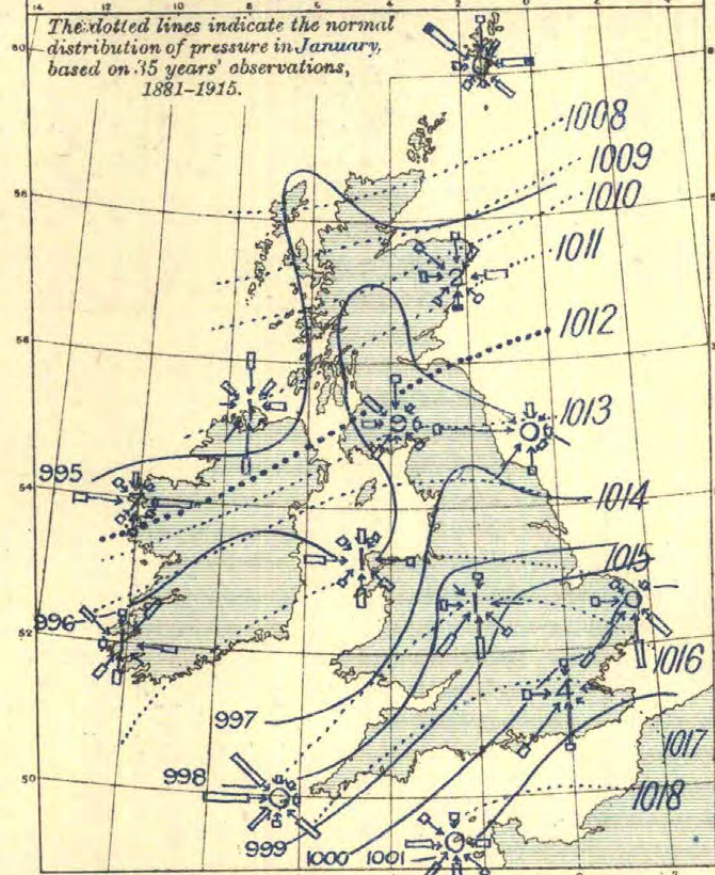
DISTRICT AND STATION.	Height.			Distribution of Wind.††										Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Effective Height.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.	No Record.	Highest Hourly Wind.			Highest Gust.					
				Dates of Occurrence.	Duration.	No. of days.	Duration.	Duration.	Duration.	Duration.	Duration.			Veer from N.	Speed.	Hour ended at	Speed.	Time.				
ft.	ft.	ft.	8, 10, 11, 13, 14	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	8, 10, 11, 13, 14	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				
Kincardine. 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, 17, 18, 20, 21,	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	—																		
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, 29, 31	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	15	115	268	289	56	0	240	62	27	9 20							
Clare. Quilty .. ..	100	40	32	9	2	11	84	342	238	78	0	—	45	20	9 17	65	29	9 16 25				
Kerry. Valentia Observatory	98	41	33	9	2	54	274	341	73	0	260	45	20	9 16	75	33	9 15 25					
Cork. Cork .. ..	132	71	40	—	0	2	6	93	374	243	28	—	32	14	9 17	53	24	9 17 10				
11. SCILLY ISLES.																						
St. Mary's .. ..	230	65	57	5, 9, 10, 27, 29, 31	31	27	293	317	88	15	0	240	58	26	5 16	84	38	9 15 55				

†† 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 1933 Annual Summary, Wind Section).

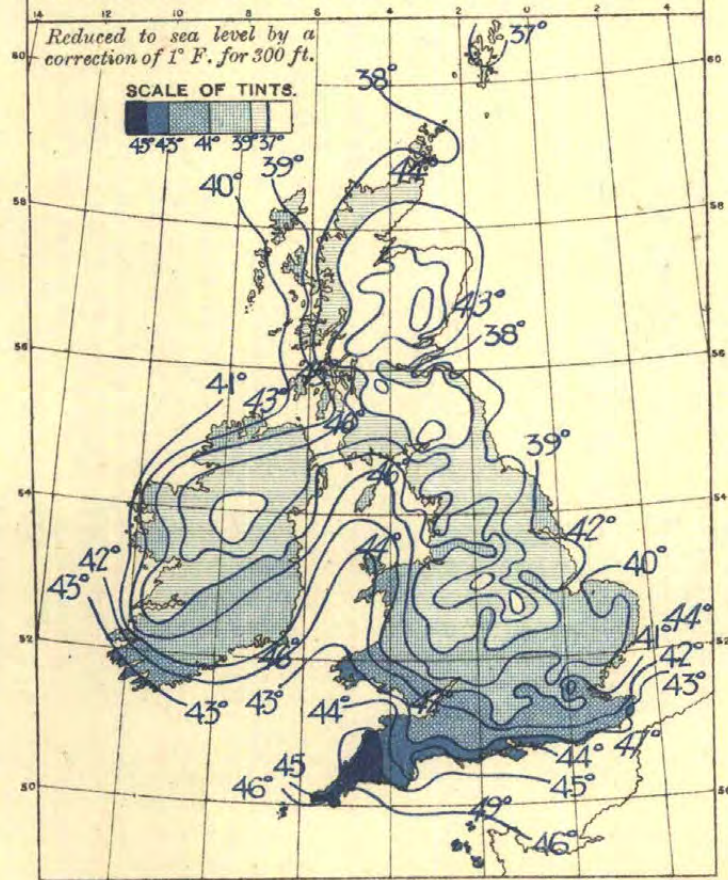


### 1. WIND AND MEAN PRESSURE 7 A.M. \*



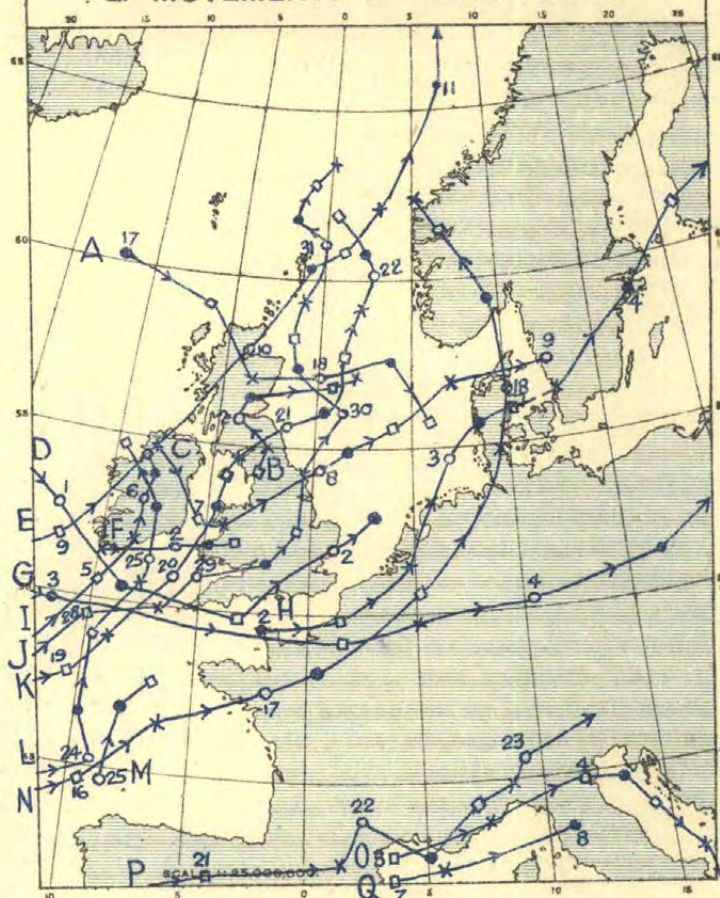
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT MODERATE GALE  
30 0 0 15 1 inch

### 3. DISTRIBUTION OF MEAN TEMPERATURE.



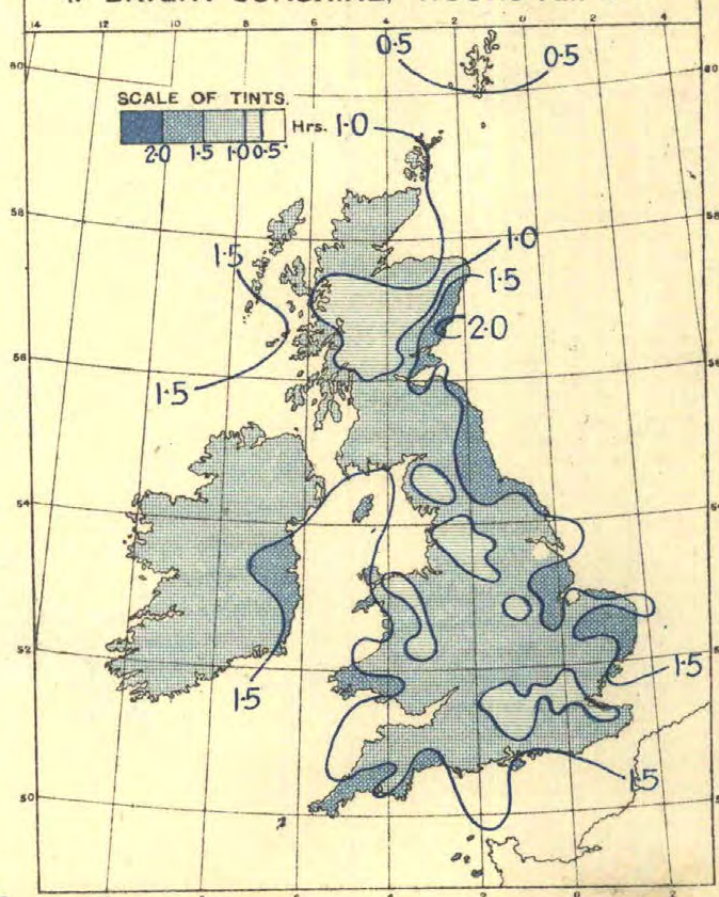
Sea temperatures are shown in large figures, thus: 46°

### 2. MOVEMENTS OF DEPRESSIONS.



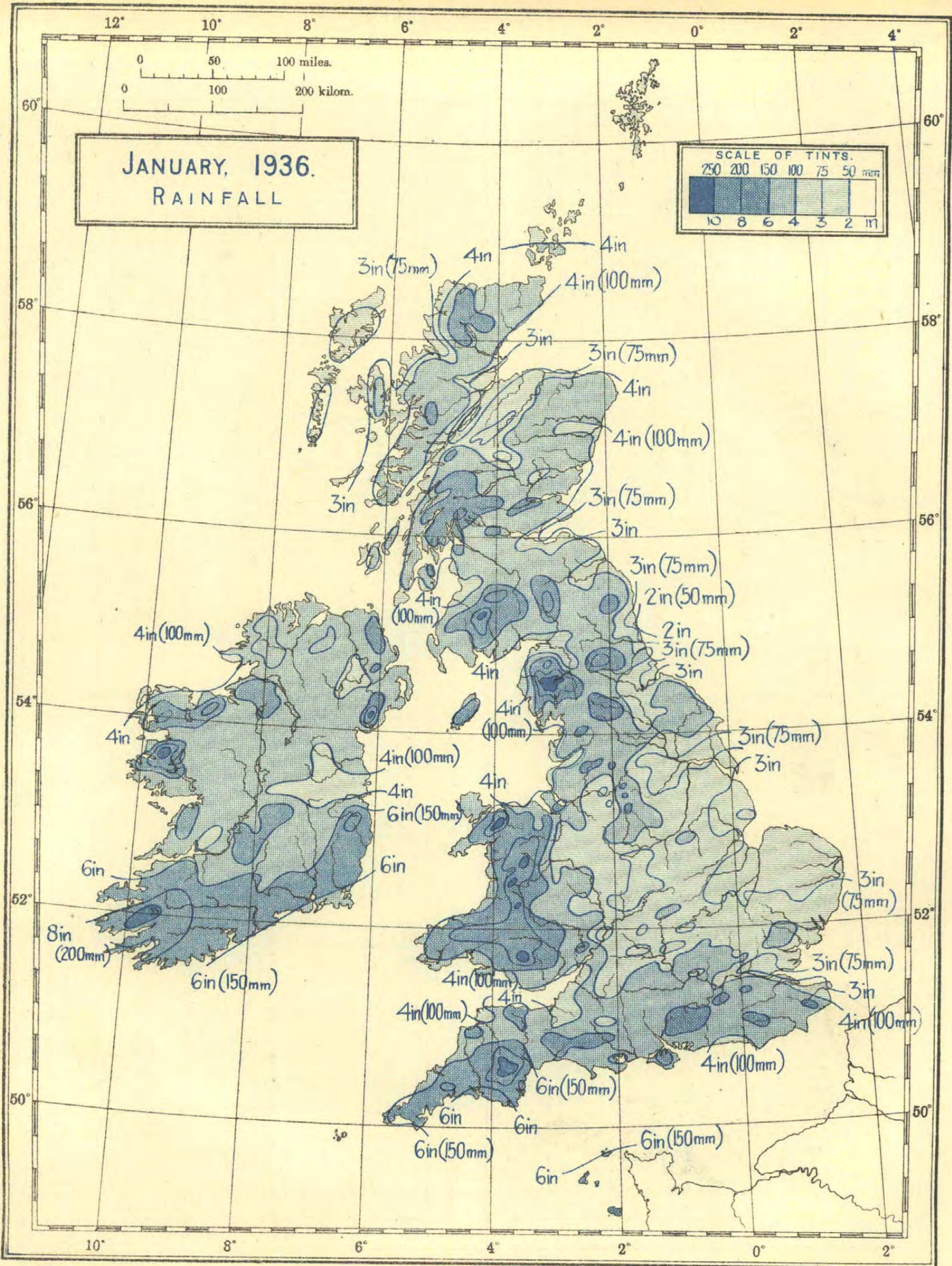
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.

### 4. BRIGHT SUNSHINE, HOURS PER DAY.



\*The pressure is expressed in millibars.





Scale 1 : 5,000,000.

Ps.601/3032. Ws.21A. D.17. Gp.908. 925. 2/36.

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, 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.	Amount.	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.	Snow lying.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Daily Mean.	Difference from Average.
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	-	-	-	-	-	-	
	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	- - -	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.	Achnashellach	9 9 9	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	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	12	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	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	
	Craigstone	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	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	16	6	0	0	0	-	-	1	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	
2a. SCOTLAND, W.																																
Argyll.	Ardornish	2121 9	48	41.7	29.8	35.7	-4.2	48	9	20	19	-	-	-	5.84	143	-	41	9	20	20	8	0	3	0	-	21	-	-	-	-	
	Colonsay	9 9 9	100	43.8	34.3	39.1	-	49	9	25	19	-	-	-	3.14	80	-	14	10	25	20	3	0	3	0	0	0	-	-	-	-	
	Dunoon (Benmore)	9 9 9	46	41.7	30.7	36.2	-	50	9	20	15,16,17	34.9	37.5	-	8.80	223	-	53	9	24	19	5	3	0	0	1	20	-	0.96	-	118	
	Dunoon	9 9 9	132	41.8	34.0	37.9	-	49	10	24	15,17	-	-	-	5.87	144	-	27	9	21	19	6	0	0	0	2	17	0	1.20	-	16	
	Glenbranter	9 9 9	188	40.4	29.6	35.0	-	48	9	16	15																					



TABLE III (continued).—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.			Total Fall.	Difference from Average.	Most in a day.				Precip'n.	Snow lying.	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.	mm.	°F.	°F.	in.	mm.	mm.



TABLE III (continued).—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.			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.	Daily Mean.	Difference from Average.		
					Max. Min. Rain.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	Amount.	Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.).	Ground Frost.	Gale.
4. MID. COUNTIES—cont.			G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.											hr.	hr.	%		
Leicester.	Belvoir Castle ..	2121 9	259	42.7	33.7	38.2	-0.5	56	10	20	15	38.0	43.7	3.48	89	+44	17	29	18	15	-	-	-	-	24	-	1.54	-0.16	19	
Northampton.	Oundle ..	9 9 9	147	43.8	32.2	38.0	-0.5	55	10	16	19	38.3	42.8	3.20	81	-	15	29	19	14	1	3	0	0	5	16	-	1.80	+0.10	20
Warwick.	Birmingham ¶§	18-7 7	535	41.7	34.7	38.2	-1.7	55	9	24	19	40.0	44.7	3.54	90	+39	14	31	17	16	3	5	0	0	4	13	0	1.30	-0.08	16
	Sparkhill	713 7	425	42.8	32.5	37.7	-1.3	54	9	14	19	-	-	3.57	91	+37	16	19	18	13	5	5	0	0	8	17	-	-	-	-
	Coventry ..	9 9 9	241	43.2	30.6	36.9	-2.4	57	9	11	19	39.3	42.9	2.90	74	+22	13	31	25	12	2	3	0	0	8	19	-	1.03	-0.17	13
	Rugby ..	2121 9	390	43.8	31.1	37.5	-	56	9	13	19	-	-	2.98	76	-	15	31	20	14	3	(4)	0	0	-	19	-	-	-	-
Oxford.	Stratford-on-Avon	9 9 9	210	43.5	32.0	37.7	-	58	9	14	19	-	-	2.36	60	-	13	31	18	9	3	3	0	0	5	-	-	1.10	-	13
	Oxford .. ¶§	9 9 9	208	44.2	35.0	39.9	-0.1	57	9	21	19	39.1	43.3	3.18	80	+34	15	28	22	19	4	3	1	0	7	13	1	1.40	-0.39	17
Bucks.	Halton ..	9 9 9	544	43.8	34.1	38.9	-	55	9	21	14	38.8	43.0	4.53	115	-	19	28	23	18	3	5	0	0	4	13	-	1.22	-	15
	Mursley ..	9 9 9	490	43.4	33.4	38.4	-	55	9	22	18	38.7	-	2.44	62	+13	14	28	19	10	-	-	-	-	-	-	-	1.32	-	16
Stafford.	Mayfield ..	9 9 9	374	41.3	29.6	35.5	-2.3	54	9	9	19	-	-	4.22	107	+38	17	21	23	20	8	10	3	1	-	22	-	1.14	+0.06	145
Shropshire.	Newport ..	9 9 9	211	42.3	31.2	36.7	-	53	10	11	19	-	-	3.00	76	+28	10	31	18	14	4	5	1	1	2	16	-	1.47	-	18
	Shrewsbury ..	9 9 9	184	43.0	31.4	37.2	-3.1	54	9	11	19	38.5	42.7	3.13	79	-	11	9, 31	23	15	3	4	1	1	5	23	2	1.23	-	15
Worcester.	Malvern ..	9 9 9	380	43.0	34.2	38.5	-0.7	55	9	23	13, 19	37.2	41.0	4.37	111	+55	20	19	23	16	3	3	0	0	5	17	-	1.45	-0.42	18
	Worcester (Perdiswell)	9 9 9	94	43.7	32.8	38.3	-	57	9	19	14, 15, 19	-	-	3.10	79	-	12	19	21	16	3	1	0	0	-	17	-	1.05	-	13
Hereford.	Bromyard ..	9 9 9	393	42.9	31.5	37.1	-2.2	54	9	16	19	37.5	42.0	3.51	89	-	16	31	21	17	5	4	0	0	6	20	-	-	-	-
	Hereford ..	9 9 9	292	43.2	32.4	37.8	-1.7	54	9	20	15, 19	-	-	5.16	131	+75	19	19	24	18	4	3	0	0	4	16	4	-	-	-
	Ross-on-Wye ¶§	18-7 7	223	43.3	35.3	39.3	-2.5	57	9	22	14, 15, 19	39.2	43.3	4.42	112	+50	19	9	24	18	6	2	0	0	3	15	1	1.13	-0.54	14
Gloucester.	Bristol (Horfield)	18-7 7	206	44.5	36.5	40.5	-	57	9	26	15	40.3	44.1	3.82	92	-	12	28	25	19	4	2	1	0	1	11	2	-	-	-
	Cheltenham ..	2121 9	214	43.8	34.4	39.1	-0.8	56	9	23	14, 19	39.4	43.0	3.49	89	+36	17	9	22	18	4	3	0	0	4	18	0	1.07	-0.58	13
	Cirencester ..	9 9 9	443	43.5	32.7	38.1	+0.7	55	9	20	15	-	-	3.05	77	-	15	31	20	16	4	(2)	(0)	0	(3)	22	-	1.47	-	18
	Parkend ..	9 9 9	325	43.7	32.7	38.2	-	54	9	22	15	39.1	42.4	5.07	129	-	20	9	21	18	5	5	0	0	2	23	-	1.06	-	13
5. ENGLAND, S.E.																														
London.	City, Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	-0.03	6	
	Camden Square ..	9 9 9	110	45.0	37.4	41.2	+1.1	56	9	26	19	40.9	44.9	4.02	102	+55	17	28	20	18	5	1	0	0	-	11	-	-	-	-
	East Ham ..	9 9 9	15	45.7	36.9	41.3	+1.2	57	9	25	19	-	-	3.20	81	+40	13	28	20	18	-	-	-	-	-	-	-	-	-	-
	Enfield ..	9 9 9	148	44.5	35.1	39.8	+0.1	56	9	22	19	-	42.9	4.12	105	+60	17	28	21	18	5	3	0	0	5	9	-	1.01	-	12
	Greenwich ..	2424 9	149	45.1	36.2	40.7	+0.6	56	9	25	15, 19	41.4	44.1	3.51	89	+46	13	28	22	19	6	3	0	0	8	10	1	0.74	-0.55	9
	Hampstead ..	21-9 -	-	44.8	37.1	40.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kensington ..	9 9 9	450	43.5	34.4	38.9	0.0	54	9	22	15	-	-	4.81	117	-	21	9	21	18	6	4	0	0	-	27	-	0.84	-0.40	10
	Kingsway ..	18-9 9	80	44.8	38.5	41.7	-0.3	57	9	28	18	41.4	44.9	3.93	100	+53	17	28	20	19	3	3	1	0	11	13	0	0.78	-	9
	Regent's Park ..	9 9 9	129	45.8	37.4	41.6	-	57	9	27	15, 19	-	-	3.79	96	-	17	28	19	19	5	0	0	0	6	9	-	0.60	-0.37	7
	Kew ¶§	2424 24	18	45.0	36.7	40.9	+0.5	56	9	22	15	40.1	44.2	3.21	99	+54	18	28	22	19	5	2	0	0	4	11	0	0.96	-0.47	12
	Observatory ..	18-7 -	-	44.4	37.7	41.1	-0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tottenham ¶¶§	2121 9	51	45.7	37.8	41.7	+0.8	57	9	25	19	-	45.5	3.95	100	+54	21	9	17	16	3	0	0	0	-	9	-	0.82	-0.15	10
	Westminster ..	9 9 9	27	46.4	37.8	42.1	+0.8	58	9	28	14	-	-	3.90	99	+58	15	28	21	19	4	0	1	0	-	11	-	0.63	-0.24	8
Surrey.	Addington ..	9 9 9	472	43.6	35.5	39.5	+0.8	52	10	25	18	-	-	5.54	141	-	21	28	22	21	3	3	0	0	6	-	-	-	-	-
	Croydon ..	18-7 7	217	44.6	37.9	41.2	-0.3	55	9, 10	24	15, 19	-	-	5.05	128	+76	24	28	22	20	5	3	0	0	1	8	1	0.88	-0.75	11
	Wisley ..	9 9 9	150	45.2	38.3	40.7	+0.8	56	9	21	15, 19	41.2	44.2	4.52	115	-	22	28	24	21	4	3	0	0	7	15	3	0.82	-0.85	108
Kent.	Biggin Hill ..	18-7 7	567	42.9	37.0	39.9	0.0	53	9, 31	23	15	-	-	5.99	152	+88	26	28	22	21	4	4	3	0	2	9	2	1.05	-0.60	13
	Bromley ..	9 9 9	213	45.2	36.2	40.7	-	56	9	24	15	-	-	4.10	104	+58	15	28	23	21	3	4	1	0	5	11	-	-	-	-
	Canterbury ..	9 9 9	124	46.0	37.1	41.5	+0.7	57	9	26	19	42.5	44.8	3.62	92	-	12	28	21	18	-	-	-	-	-	12	-	-		



TABLE III (continued).—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.				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.		1 ft.	4 ft.	Amount.	Date.	2 mm. or more.	1 mm. or more.	Snow.	Hail.	Thunder.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Daily Mean.	Difference from Average.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Max. Min. Rain.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</



TABLE III (continued).—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.				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.			1 ft.										4 ft.	Amount.	Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Daily Mean.	Difference from Average.	Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
8b. ENGLAND, S.W.—cont.		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



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

[illegible]

†† Mean pressures at Station Level are 967.3 mb. at 7 h., 967.7 mb. at 13 h., 967.2 mb. at 18 h., and mb. at 21 h.



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.W.	W.	N.W.			
																0	1	2	3				4	5	6												7	8	9
2. ENGLAND, N.E.—cont.																																							
Durham.	Durham ..	H	9	352	997.6	-	36.2	1.0	6.4	90	6.8	7	1	3	3	17	0	0	2	0	3	7	11	6	2	0	0	2	25	4	1	2	1	3	7	3	9	1	
			21	352	996.9	-	36.5	1.0	6.7	91	7.8	4	2	2	4	19	0	1	0	0	2	2	18	6	2	0	1	0	22	8	2	0	0	3	7	2	5	4	
Yorks., N. Riding	Catterick ..	H	7	186	997.0	-	36.0	1.1	6.5	90	6.6	2	6	5	4	14	0	0	2	2	3	3	4	9	8	0	0	6	16	9	2	2	0	3	5	3	4	3	
			13	186	997.2	-	39.1	1.8	6.9	84	7.7	0	5	4	9	13	0	2	1	1	3	5	3	4	17	1	0	5	21	5	3	0	0	2	7	3	6	5	
Yorks., N. Riding	Scarborough ..	H	18	186	997.1	-	36.9	1.4	6.6	87	7.3	2	4	4	8	13	0	1	1	1	4	1	5	8	10	0	0	5	17	9	3	0	0	3	6	3	2	5	
			9	96	997.2	-	38.8	1.5	7.0	86	6.6	0	7	4	19	1	0	2	4	1	7	1	13	3	0	0	0	6	25	0	0	0	1	7	2	3	7	11	
Yorks., N. Riding	York ..	H	9	53	998.1	-	37.1	1.0	6.7	91	7.1	2	6	2	7	14	-	-	-	-	-	-	-	-	-	-	0	2	29	0	1	1	1	5	8	5	6	4	
			21	53	998.1	-	37.9	1.5	6.7	86	6.4	8	1	2	10	10	-	-	-	-	-	-	-	-	-	-	-	1	2	28	0	1	1	1	4	7	6	7	4
Yorks., E. Riding	Spurn Head ..	H	1	28	997.7	-	38.5	0.6	7.6	94	6.4	3	4	6	10	8	0	2	0	1	1	2	8	17	0	0	0	23	8	0	0	1	1	3	5	7	10	4	
			7	28	997.3	-17.2	38.3	0.5	7.4	95	7.8	0	2	7	12	10	1	1	1	1	0	1	13	12	1	0	0	2	19	10	0	1	0	0	4	6	9	7	4
Lincoln.	Cranwell ..	H	13	28	998.0	-	40.6	1.2	7.8	89	8.2	0	0	6	16	9	0	1	1	4	1	4	12	8	0	0	0	20	11	0	1	1	0	4	6	6	7	6	
			18	28	997.7	-	39.5	0.9	7.4	91	8.0	0	2	5	12	12	0	1	1	4	1	2	12	10	0	0	1	17	13	0	1	0	1	4	8	3	9	5	
Lincoln.	Cranwell ..	H	7	243	998.8	-	35.9	0.8	6.4	92	6.4	2	7	5	3	14	0	1	0	6	3	5	11	5	0	0	0	14	15	2	0	0	2	8	0	11	7	1	
			13	243	999.1	-	40.2	1.8	7.3	84	7.7	0	4	3	15	9	0	1	1	3	2	8	9	2	5	0	0	13	14	4	0	1	1	5	4	8	6	2	
Lincoln.	Cranwell ..	H	18	243	999.2	-	38.1	1.1	7.2	90	7.8	2	4	1	9	15	0	1	0	5	7	8	6	4	0	0	0	8	19	4	1	1	2	3	4	8	5	3	
			3. ENGLAND, E.																																				
Norfolk.	Cromer ..	H	9	74	999.7	-	40.2	1.3	7.6	89	7.3	2	1	9	9	10	0	0	1	0	2	3	18	7	0	0	0	8	23	0	2	1	1	3	13	3	8	0	
			1	26	1000.5	-	39.4	0.9	7.4	91	8.2	7	3	3	7	11	0	0	1	0	0	4	21	3	2	0	0	14	16	1	0	1	1	3	7	11	5	2	
Norfolk.	Yarmouth ..	H	7	26	1000.1	-15.7	39.3	1.3	7.1	88	7.6	0	6	3	12	10	0	1	1	0	0	3	18	7	1	0	0	14	17	0	0	1	0	5	8	10	5	2	
			13	26	1000.2	-	42.7	1.9	7.9	84	7.9	1	1	4	16	9	0	1	1	0	1	2	21	5	0	0	0	13	17	1	1	1	2	3	8	6	6	3	
Suffolk.	Felixstowe Aero.	H	18	26	1000.2	-	41.1	1.4	7.7	87	7.6	2	4	3	8	14	0	0	0	0	2	3	21	5	0	0	0	8	22	1	0	0	3	4	8	6	7	2	
			7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Suffolk.	Felixstowe Aero.	H	13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Suffolk.	Mildenhall	H	7	21	999.4	-	38.4	0.9	7.2	91	7.0	1	7	3	6	14	0	1	0	0	6	3	11	7	3	0	0	6	23	2	0	1	3	4	7	10	3	1	
			13	21	999.7	-	42.8	2.0	7.8	83	8.2	0	1	5	15	10	0	1	0	0	3	7	16	2	2	0	0	11	19	1	2	0	3	6	3	8	7	1	
Suffolk.	Mildenhall	H	18	21	999.8	-	40.1	1.2	7.6	90	6.8	6	3	1	8	13	0	0	0	4	2	12	9	2	2	0	0	8	21	2	0	0	2	7	7	6	3	4	
			9	43	999.7	-17.4	38.7	0.9	7.6	93	6.3	6	3	2	9	11	-	-	-	-	-	-	-	-	-	-	-	0	4	24	3	1	1	1	3	6	10	6	0
Cambridge.	Cambridge	H	21	43	1000.1	-16.7	38.2	1.0	7.4	92	5.5	12	1	1	3	14	-	-	-	-	-	-	-	-	-	-	-	0	4	24	3	0	1	2	2	6	11	4	2
			9	396	1000.1	-	38.6	0.9	7.4	92	7.5	0	5	5	10	11	0	2	0	2	3	7	17	0	0	0	0	2	23	6	1	0	3	3	7	4	6	1	
Hertford.	Rothamsted ..	H	7	12	1000.6	-	40.1	1.1	7.8	90	8.2	1	0	6	8	16	0	0	1	3	3	1	4	18	1	0	0	10	21	0	4	0	0	4	8	7	7	1	
			13	12	1000.8	-	43.5	2.1	8.1	83	9.0	0	0	3	11	17	0	0	1	0	3	6	9	9	3	0	0	12	19	0	1	0	1	4	11	4	5	5	
Essex.	Shoeburyness	H	18	12	1000.9	-	41.3	1.7	7.7	86	7.8	3	3	2	6	17	0	0	0	0	3	7	7	13	1	0	0	12	18	1	1	0	1	6	5	10	4	3	
			4. MIDLAND COUNTIES.																																				
Yorks., W. Riding	Harrogate	H	9	478	997.6	-	35.8	1.1	6.3	89	7.1	0	8	1	13	9	0	2	5	3	4	2	5	4	2	3	0	4	23	4	1	1	0	2	5	9	8	1	
			21	478	997.6	-	35.8	1.1	6.3	89	7.1	0	8	1	13	9	0	2	5	3	4	2	5	4	2	3	0	4	23	4	1	1	0	2	5	9	8	1	
Nottingham.	Nottingham ..	H	9	215	998.2	-	36.8	1.2	6.6	89	8.1	0	4	4	6	17	2	4	7	6	4	0	8	0	0	0	0	3	28	0	2	0	4	1	3	5	13	3	
			7	542	998.9	-	36.9	1.0	6.9	90	7.3	4	2	2	13	10	0	0	3	1	3	5	3	9	7	0	0	9	21	1	1	1	4	4	7	7	3	3	
Warwick.	Birmingham	H	13	542	999.1	-	40.0	1.9	7.1	82	7.0	2	4	5	8	12	1	1	2	4	7	5	9	0	2	0	0	10	21	0	2	2	2	5	4	6	7	3	
			18	542	999.2	-	39.2	1.7	7.1	85	7.3	4	3	2	8	14	0	0	0	3	9	5	10	1	3	0	0	8	22	1	1	1	3	5	4	8	6	2	
Oxford.	Oxford ..	H	9	212	1000.1	-17.5	39.2	1.1	7.2	90	7.6	0	5	3	10	13	1	2	1	3	4	3	9	3	5	0	0	8	21	2	3	2	1	4	8	7	4	0	
			9	186	999.8	-	35.9	0.7	6.7	89	7.2	0	2	12	8	9	0	0	3	2	3	0	4	0	19	0	0	8	14	9	1	0	1	4	5	4	6	1	
Shropshire.	Shrewsbury	H	7	226	998.7	-	37.7	1.2	7.0	89	7.3	0	8	1	12	10	0	1	1	1	7	1	9	6	5	0	0	6	22	3	2	2	1	6	11	3	1		
			13	226	999.0	-	41.6	2.2	7.4	82	8.6	0	1	4	12	14	0	1	0	4	3	0	7	6	10	0	0	7	22	2	0	1	4	1	3	6	10	4	
Hereford.	Ross-on-Wye	H	18	226	999.2	-	39.9	1.9	7.1	83	8.9	1	7	3	6	14	0	0	2	3	5	3	6	6	0	1	4	25	1	2	0	4	3	4	11	6	0		
			21	226	999.7	-	38.9	1.5	7.1	86	7.4	3	4	1	10	13	0	2	3	2	3	4	6	4	7	0	0	7	20	4	1	0	4	2	5	9	5	1	
Gloucester.	Cheltenham	H	9	230	1000.0	-	39.3	1.5	7.1	86	7.8	0	2	6	11	12	0	0	1	3	3	7	1	15	1	0	0	1	29	1	1	1	1	2	7	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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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5. ENGLAND, S.E.—cont.		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</



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

[illegible]

\* 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  
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## 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 Shoberyness 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.

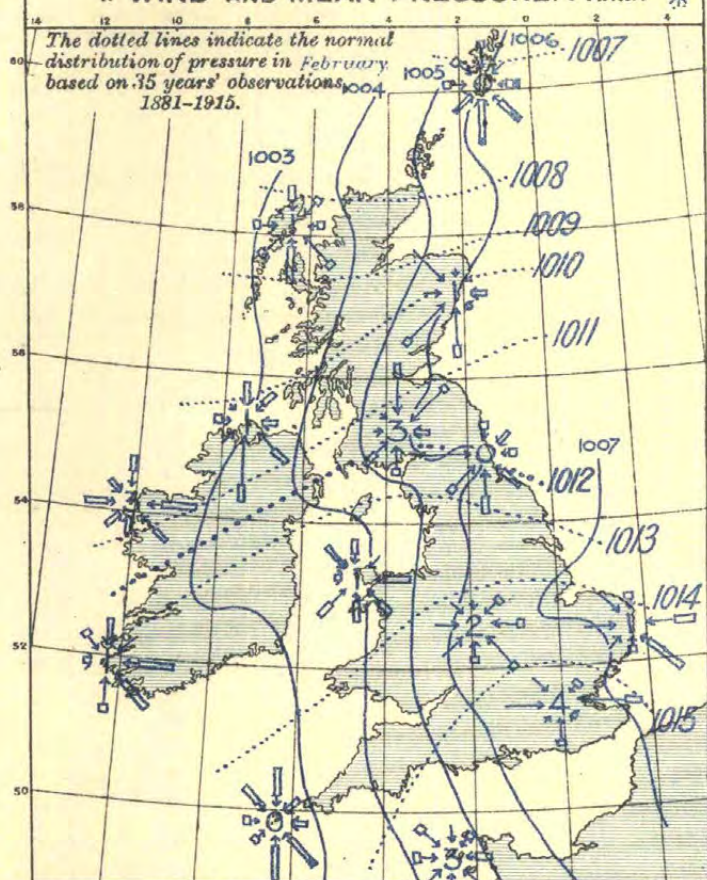






## 1. WIND AND MEAN PRESSURE. 7 A.M.

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



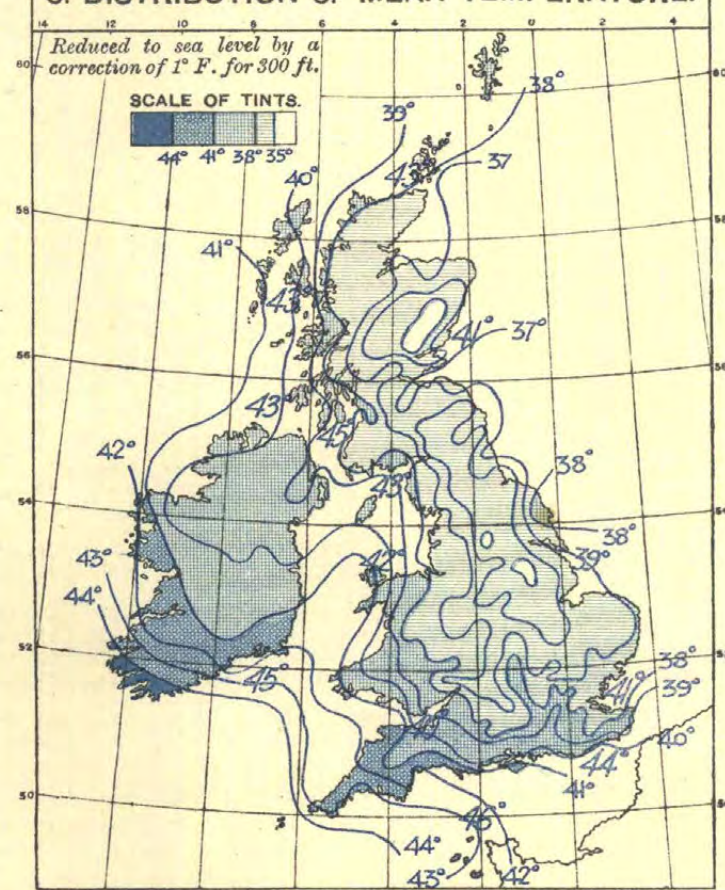
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:

30 Obs. 1 Inch. \*  
LIGHT TO STRONG GALE

## 3. DISTRIBUTION OF MEAN TEMPERATURE.

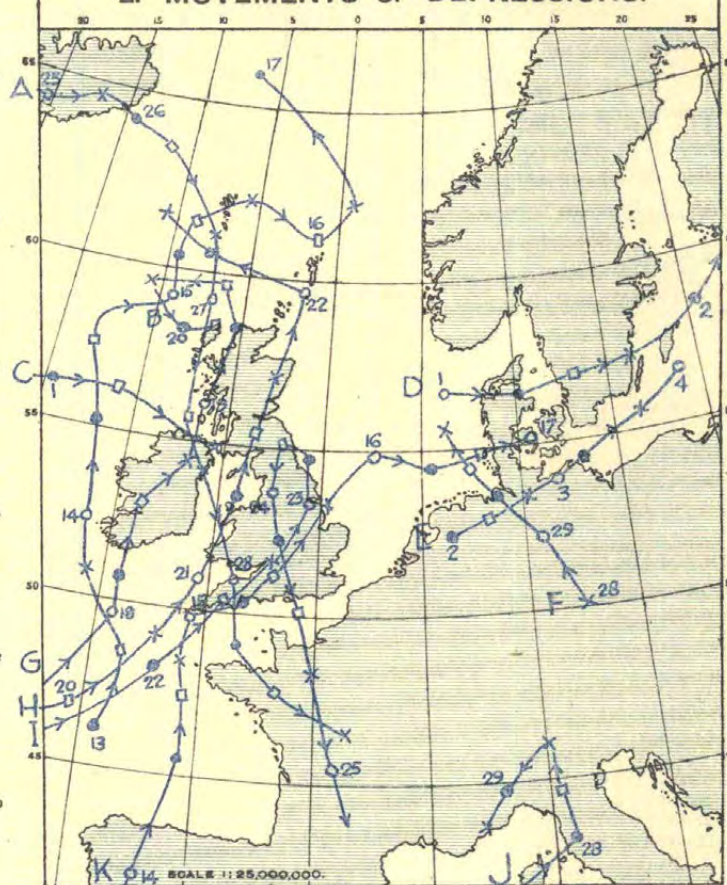
Reduced to sea level by a correction of 1° F. for 300 ft.

SCALE OF TINTS.



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

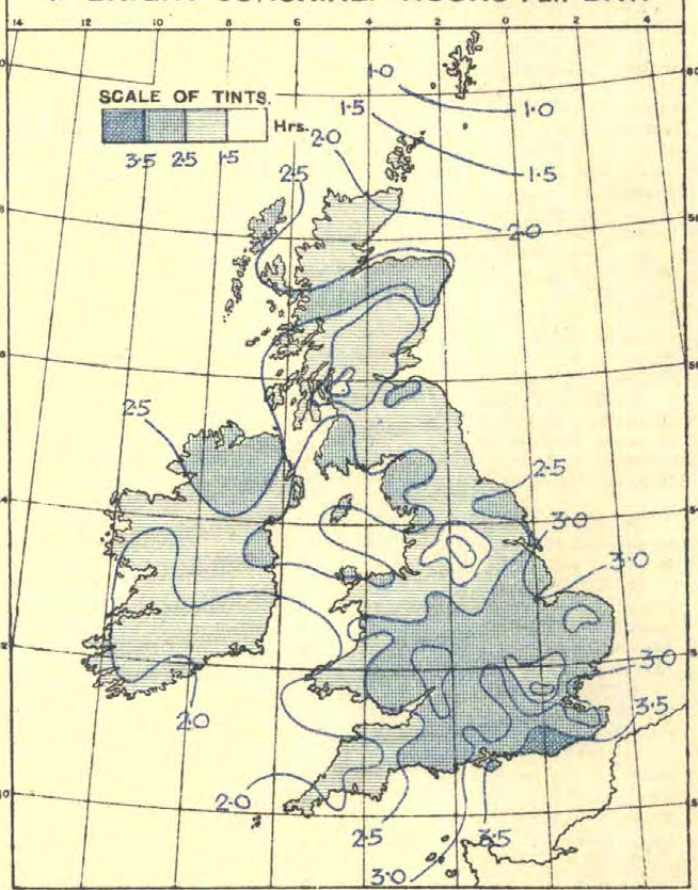
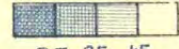
## 2. MOVEMENTS OF DEPRESSIONS.



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

## 4. BRIGHT SUNSHINE. HOURS PER DAY.

SCALE OF TINTS.



\*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.—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				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		1 ft.	4 ft.												0.2 mm. or more	1 mm. or more	Snow																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Max. Min. Rain	A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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			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.		Mean of A and B	Maximum	Date			Minimum	Date	Amount	Date										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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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							
				Max. Min.	°F.	°F.	°F.	°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	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.
4. MID. COUNTIES—cont.																															
Nottingham	Nottingham	999	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	999	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	999	56	41.2	28.1	34.7	-4.3	52	18	14	12	35.6	41.0	2.67	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	-3.3	52	18	10	12	36.2	41.9	1.98	50	+8	13	17	12	10	-	-	-	-	26	-	2.94	+0.39	30	
Northampton	Oundle	999	147	40.3	30.0	35.4	-3.4	56	18	17	13	36.2	40.7	1.55	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	999	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	28.3	35.8	-	52	18	18	12	-	-	1.90	46	-	16	22	14	9	3	2	0	0	-	24	-	-	-	
	Stratford-on-Avon	999	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	999	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	999	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	999	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	999	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	999	211	41.6	31.0	36.3	-	52	18	20	12,13	-	-	1.93	46	+6	13	17	14	11	3	1	0	0	6	19	-	2.62	-	27	
	Shrewsbury	999	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	999	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)	999	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	999	393	41.8	29.5	35.7	-3.5	50	18,19,20	14	12	36.6	40.4	2.42	61	-	18	17	16	13	6	5	0	0	8	20	-	-	-	-	
	Hereford	999	292	41.9	29.1	35.5	-4.0	51	18	13	13	-	-	2.83	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	999	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	999	325	41.9	29.3	35.6	-	50	17,18	17	13	37.6	40.8	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	999	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	999	15	42.7	32.9	37.8	-2.5	55	18	21	12	-	-	1.31	33	-5	9	17	12	10	-	-	-	-	-	-	-	-	-	-	
	Enfield	999	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	999	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Regent's Park	999	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	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	999	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	999	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	999	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	999	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	999	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	999	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</																							



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				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	Amount		Date	0.2 mm. or more								1 mm. or more	Daily Mean		Difference from Average					
			Max. Min.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	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.					
5. ENGLAND, S.E.—cont.																															
Hampshire.	Bournemouth	9 9 9	139	44.9	33.7	39.3	-1.8	53	1,18,20	28	4,13,29	40.3	42.6	2.97	75	+14	18	17	18	14	0	0	1	0	8	-	-	2.95	-0.04	30	
	Calshot	18-7 7	8	44.0	35.7	39.9	-1.8	53	1	27	4	-	-	2.53	64	+18	13	17	13	11	1	1	1	0	3	10	2	3.48	+0.64	35	
	Leckford	9 9 9	250	42.8	30.6	36.7	-	51	1,17,18	21	13	38.0	-	2.88	73	-	29	17	14	14	0	0	0	-	4	-	-	2.77	-	28	
	Long Sutton	9 9 9	479	42.7	29.7	36.2	-	51	17,18	17	13	37.8	-	2.74	69	-	23	17	14	13	2	0	0	0	5	23	-	-	2.98	-	30
	Southamp'n	2121 9	64	44.6	33.3	38.9	-2.4	52	1,18,20	26	12	-	-	3.25	83	+25	26	17	16	15	0	0	0	8	18	1	2.86	+0.22	29		
	S. Farnboro'	18 7 7	237	43.8	31.3	37.5	-2.6	53	17	18	12	-	-	2.41	61	+13	18	17	16	13	2	0	2	0	8	22	0	3.07	+0.51	31	
I. of Wight.																															
	Newport	9 9 9	48	45.7	33.7	39.7	-	54	17	24	4	-	-	3.17	81	-	17	17	16	12	1	0	1	0	3	20	-	-	-	-	-
	Ryde	9 9 9	13	44.6	36.0	40.3	-2.6	53	18,20	29	5	-	-	2.83	72	-	18	17	14	10	1	0	1	0	2	-	0	3.44	+0.64	35	
	Sandown	9 9 9	13	45.1	36.6	40.9	-2.4	52	1	28	4	-	-	2.72	69	-	15	11	17	11	1	1	1	0	0	-	-	3.57	+0.54	36	
	Totland Bay	9 9 9	140	44.4	35.6	40.0	-1.3	51	1,18,20	29	5,12,13	-	-	2.93	74	+23	15	17	16	13	1	0	0	0	2	14	2	3.12	+0.25	31	
	Ventnor(Hospital)	9 9 9	59	45.4	37.1	41.3	-1.0	52	1	30	4	-	-	3.11	79	+26	21	11	18	12	1	0	1	0	-	-	0	3.60	+0.66	36	
Wilts.																															
	Amesbury (Boscombe Down)	18-7 7	417	42.3	32.3	37.3	-	50	1,18,20	24	4,8	-	-	2.48	63	-	18	17	16	13	3	0	1	0	3	18	0	2.98	-	30	
	Larkhill	9 9 9	440	42.2	30.6	36.4	-3.2	50	17,18,20	22	16	-	-	2.29	58	+9	19	17	16	13	3	0	1	0	2	20	0	-	-	-	-
	Marlboro'	9 9 9	424	42.2	30.3	36.3	-2.6	51	18	22	4	38.6	44.1	2.46	63	+1	16	17	14	12	1	0	1	0	6	22	1	2.80	+0.73	28	
	Porton	9 9 9	363	42.6	29.9	36.3	-2.9	51	1,18	21	4	37.6	-	2.76	70	+20	21	17	16	13	0	0	1	0	2	20	0	3.09	-	31	
7a. ENGLAND, N.W.																															
Cumberland.	Keswick	9 9 9	254	42.8	30.5	36.7	-3.0	51	18	13	13	35.7	39.8	3.48	88	-37	13	23	14	13	7	6	0	0	0	15	0	2.68	+0.81	28	
	Newton Rigg	2121 9	560	40.8	28.5	34.7	-2.8	48	16,18	15	13	-	-	2.20	56	-22	12	22	14	12	7	5	0	0	0	19	0	2.69	+0.54	28	
Westmorland.																															
	Ambleside	9 9 9	145	41.3	29.7	35.5	-	48	1	15	13	-	-	2.18	55	-	10	29	17	12	6	5	0	0	0	-	-	2.48	-	26	
	Appleby	9 9 9	440	40.3	28.4	34.3	-2.5	50	18	14	4,13	-	-	1.90	48	-27	7	22	13	12	7	3	0	0	-	-	-	-	-	-	
Lancashire.																															
	Bolton	9 9 9	342	40.9	31.3	36.1	-2.8	51	18,19	22	13	35.3	38.8	2.45	62	-15	12	17	16	13	4	14	0	0	-	16	-	1.65	+0.52	178	
	Burnley	9 9 9	458	40.3	30.0	35.1	-3.3	51	18	17	13	35.3	39.0	2.96	75	-	19	17	15	13	7	4	0	0	6	20	-	1.65	+0.16	178	
	Darwen	2121 9	724	39.7	30.3	35.0	-2.8	49	18	22	4,12	34.6	38.5	3.78	96	+3	19	17	17	14	9	12	0	1	6	20	-	2.41	+0.82	258	
	Hutton	9 9 9	82	41.9	31.4	36.7	-2.8	53	18	21	4	36.0	40.1	1.80	46	-	11	22	13	10	4	3	1	0	1	19	0	2.12	+0.24	22	
	Lancaster	9 9 9	312	41.8	31.6	36.7	-2.9	51	18	24	4,5,12	33.8	37.7	2.09	53	-20	14	22	14	9	4	0	0	5	15	0	2.98	+0.68	31		
	Leyland	9 9 9	125	42.4	30.8	36.6	-2.9	54	18	20	4,12,13	-	-	2.19	56	-5	12	22	14	11	3	1	0	0	7	20	-	2.27	+0.34	23	
	Manchester (Barton)	18-7 7	70	42.1	32.5	37.3	-	55	18	18	12	-	-	1.66	42	-	8	17	15	12	4	3	2	0	8	17	0	2.26	-	23	
	(Oldham Road)	2121 9	191	41.8	33.9	37.9	-2.6	52	18	23	13	36.3	40.8	1.93	49	-7	8	17	15	12	4	-	1	0	-	11	-	1.27	+0.24	138	
	(Whitworth Pk.)	2121 9	125	42.0	32.8	37.4	-2.7	54	18	21	12	-	-	1.98	50	+1	7	4	15	12	-	-	-	6	-	-	-	1.83	+0.53	19	
	Southport	9 9 9	35	42.2	32.2	37.2	-2.7	53	18	23	13	36.1	40.8	2.22	58	+5	13	22	14	11	6	1	3	0	2	14	0	2.47	+0.13	25	
	(Bedford Rd.Pk.)	9 9 9	377	39.9	30.9	35.4	-3.3	52	18	20	13	-	-	2.08	53	-32	10	22	15	10	8	5	2	0	1	20	0	2.20	+0.30	238	
	Stonyhurst	9 9 9	377	39.9	30.9	35.4	-3.3	52	18	20	13	-	-	2.08	53	-32	10	22	15	10	8	5	2	0	1	20	0	2.20	+0.30	238	
Cheshire.																															
	Bidston Obs'y	9 9 9	198	40.8	32.6	36.7	-3.4	51	18	24	12	-	-	2.12	54	+11	10	22	13	13	3	1	1	0	3	13	2	2.35	+0.02	24	
	Hoylake	9 9 9	23	42.0	32.4	37.2	-3.5	52	18	20	12	-	-	2.22	58	+13	12	22	14	11	3	1	2	0	-	19	-	2.06	-0.31	21	
	Macclesfield	9 9 9	500	40.4	31.0	35.7	-2.4	51	18	21	4	-	-	2.53	64	+9	15	17	14	12	6	3	0	0	4	-	-	-	-	-	-
	West Kirby	9 9 9	25	41.6	32.0	36.8	-	51	18	22	12	-	-	2.37	60	+18	14	17	14	12	8	1	6	0	0	21	-	2.39	-	25	
7b. NORTH WALES.																															
Flint.	Hawarden B'dge	9 9 9	17	42.5	31.9	37.2	-3.7	51	18	21	12	-	-	2.22	56	-	15	22	14	10	3	1	1	0	5	-	-	-	-	-	-
	Rhyl	9 9 9	31	43.6	33.6	38.6	-2.6	53	18	26	4,12	-	-	1.84	47	+7	13	22	13	10	6	1	2	0	11	0	2.59	-0.09	27		
	Sealand	18-7 7	16	42.5	32.2	37.3	-3.4	52	20	19	12	36.9	41.1	2.20	56	+16	13	22	14	11	4	1	1	0	6	19	0	2.32	+0.21	24	
Anglesey.																															
	Holyhead	18-7 7	26	44.7	38.1	41.4	-2.1	50	17,18	32	8,12,13	-	-	2.47	63	+1	14	20	15	15	1	0	3	0	0	7	1	2.74	+0.24	28	
Denbigh.																															
	Colwyn Bay	9 9 9	118	44.4	34.1	39.3	-2.8	53	18	23	12	-	-	2.28	58	+4	9	22,28	16	11	1	0	2	0	1	-	-	2.65	-0.06	27	
Carnarvon.																															
	Aber	9 9 9	60	45.9	35.4	40.7	-	53	17,18	28	12	-	-	3.27	83	-	14	28	15	13	2	0	2	0	-	20	3	2.39	-	258	
	Llandudno	9 9 9	13	44.6	35.4	40.0	-2.9	53	18	28	11	-	-	2.24	57	+7	8	28	14	10	1	0	4	0	0	12	0	2.63	+0.04	27	
Montgomery.																															
	Welshpool	9 9 9	254	42.2	30.2	36.2	-3.5	51	18	17	13	-	-	1.48	38	-18	9	22	14	13	3	2	0	0	6	-	-	-	-	-	-
8a. SOUTH WALES.																															
Cardigan.	Aberystwyth	9 9 9	12	44.9	36.4	40.7	-0.7	52	17,18	28	4	-	-	1.65	42	-	8	1	17	10	0	0	1	0	0	-	-	2.92	+0.28	30	
	" P.B.S.	9 9 9	452	41.8	34.1	37.9	-	52	17	26	4	-	-	1.73	44	-	9	1	17	14	0	0	3	0	2	13	2	2.67	-	27	
	Ciliau Aeron	9 9 9	252	44.5	33.4	38.9	-	53	17	25	16	-	-	2.43	62	-	14	22	17	13	2	0	3	0	0	-	2	2.07	-	21	
Pembroke.																															
	Haverfordwest	2121 9	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	St. Ann's Hd.	18-7 7	142	44.2	37.8	41.0	-2.9	49	20	32	16	-	-	2.89	73	+5	12	10	19	15	4	1	1	0	1	-	8	2.00	-0.52	20	
Radnor.																															
	Llandrindod Wells	9 9 9	772	41.0	30.1	35.5	-	49	17,18	19	4	-	-	2.10	53	-	13	17	18	14	5	0	3	0	1	-	-	2.59	-	26	
	Rhayader	9 9 9	757	40.1	30.3	35.2	-2.9	48	18	19	4	-	-	2.78	71	-32	24	17													



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				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				
8b. ENGLAND, S.W.—cont.		G.M.T.	ft.	°F.	°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	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.			
Dorset.	Holton Heath	9 9 9	64	45.1	33.5	39.3	-2.3	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	-	-	-	-	-	-	
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	-	13	-	-	-	-	
	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	-2.6	54	17	30	8,9	41.5	45.9	2.13	54	-13	12	17	16	9	0	0	0	0	4	-	2.13	-0.36	22		
	Killerton	9 9 9	159	45.5	34.1	39.8	-2.9	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	1	15	-	2.01	-	20		
	Paignton	9 9 9	12	46.1	36.8	41.5	-2.8	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	-2.8	51	17,18,21	32	4,28,29	-	-	4.61	117	-	27	9	18	15	2	1	4	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	-	-	2.81	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	-2.8	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	-2.3	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	-2.0	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	-2.5	52	17,18	32	16	42.4	45.3	4.93	125	+60	37	10	20	17	1	0	0	0	0	-	2	1.89	-0.91	19	
	Redruth	9 9 9	397	45.0	37.2	41.1	-2.7	51	17	31	4	-	-	7.43	189	+93	47	10	22	19	2	0	2	0	1	11	6	-	-	-	
9. IRELAND, N.																															
Silgo.	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	-2.5	53	6	30	11	-	-	4.48	114	-	26	19	22	18	-	-	-	0	-	-	-	2.26	+0.25	23	
Donegal.	Malin Head	18-7 7	84	43.8	36.7	40.3	-2.6	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	-2.7	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	-2.8	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	-2.0	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	-2.0	52	17	28	4	39.9	42.2	1.83	47	+3	9	17	16	11	2	0	2	0	-	17	0	-	-	-	-
	Hazelhatch (Peamount 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	-2.2	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	-2.7	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	-2.7	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	-2.9	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	44.6	-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cork.	Ballinacurra	9 9 9	24	47.5	36.7	42.1	-0.6	52	17	29	20	-	-	5.79	147	+52	50	10	19	13	2	0	0	0	-	-	-	2.04	-0.35	21	
	Cork	9 9 9	57	48.1	37.1	42.6	-	53	11,17	30	20,23	-	-	6.05	154	+59															



TABLE IV.—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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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8a. SOUTH WALES—cont.	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		



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 " " 1 1/2 miles.
5	" 1 1/2 miles " 2 1/2 "
6	" 2 1/2 " " 6 1/2 "
7	" 6 1/2 " " 12 1/2 "
8	" 12 1/2 " " 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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Price 1s. 0d. net, Post-free 1s. 1d.

Annual Subscription, including  
Annual Summary and Introduction,  
15s. 0d. post free.**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 COUNTRIES ..	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.									
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 1-10	65	11	+2.1	+0.9	-0.6	85	0	61	19

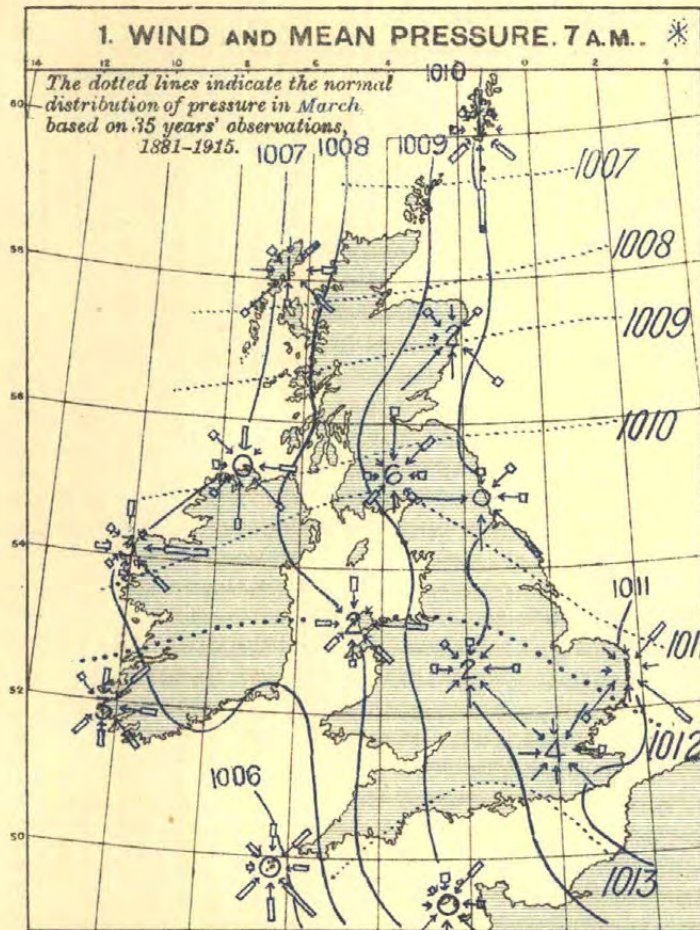
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— MARCH, 1936

[1914.]

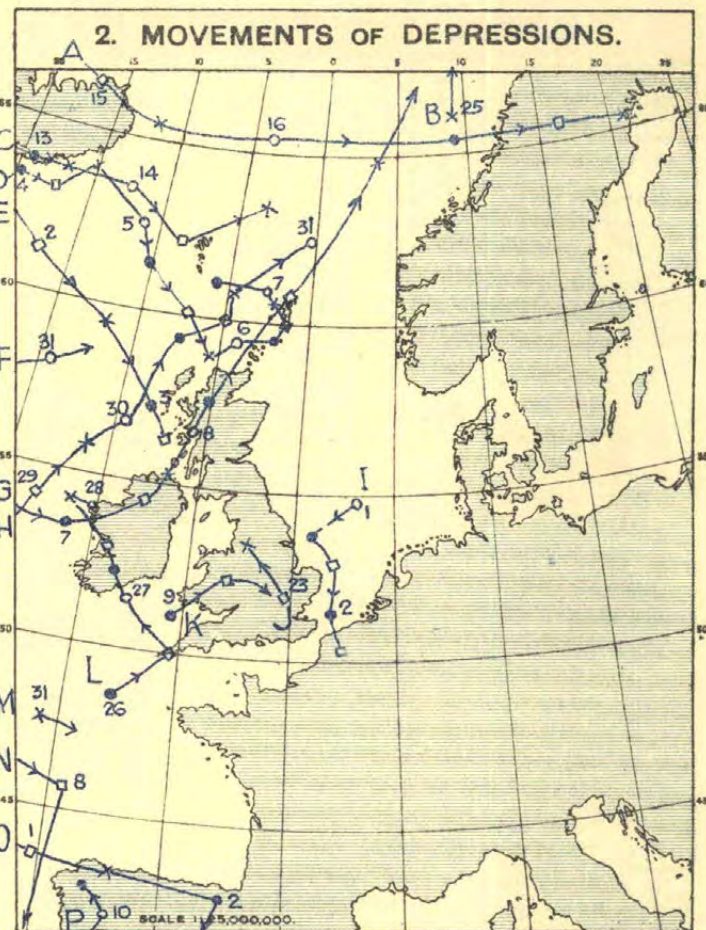
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind				Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
												mi/hr.	m/s.		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	166	0	10	21	9	1 14	47	21	1 12	50
Kincardine. Balmakewan ..	140	25	20	-	0	1	3	45	(384)	(302)	0	80	26	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	180	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	36	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
York. N.R. Catterick .. ..	220	45	33	-	0	1	2	78	349	315	0	250	28	13	30 10	49	22	30 09	45
York. 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	119	507	118	0	170	21	9	23 12	39	17	30 10	40
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	160	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	26 16	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	388	231	102	0	240	31	14	29 17	58	26	21 07	35
Cork. Cork .. ..	132	71	40	-	0	0	0	81	412	129	122	-	20	9	25 21	40	18	25 21	05
11. SCILLY ISLES.																			
St. Mary's .. ..	230	65	57	-	0	14	152	424	156	12	0	10	37	17	2 11	63	28	2 07	20

†† 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 1933 Annual Summary Wind Section).

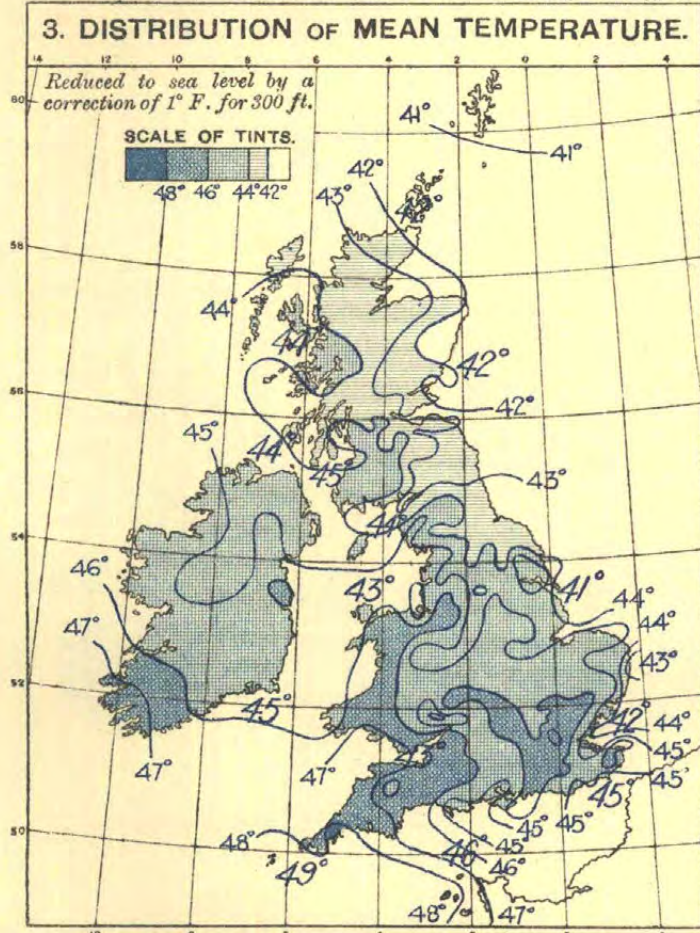




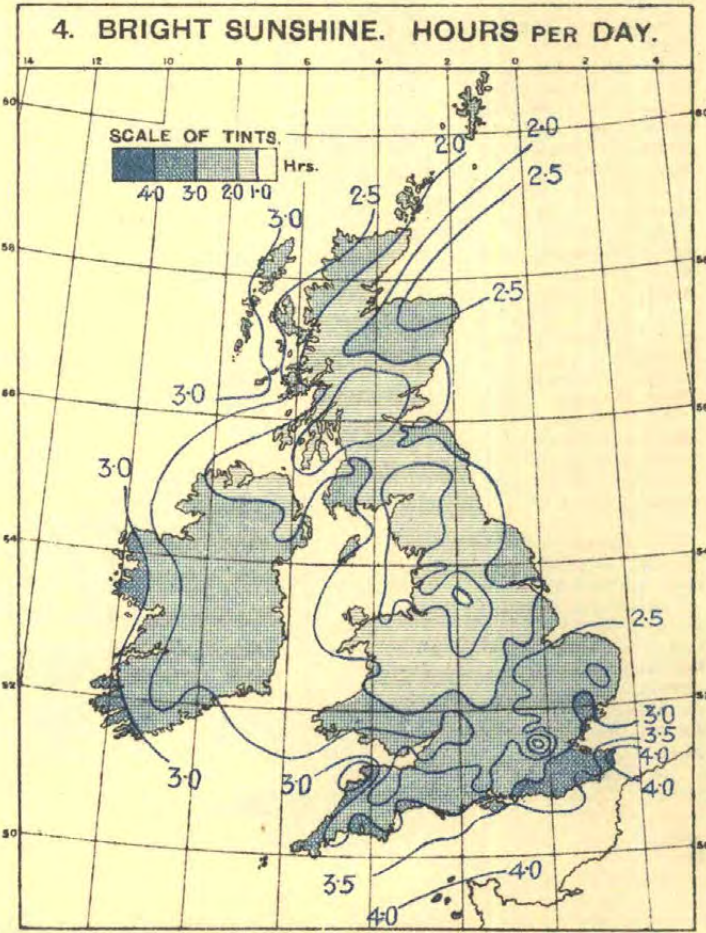
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:   
 LIGHT TO STRONG SCALE 30 OBS. 1 inch



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

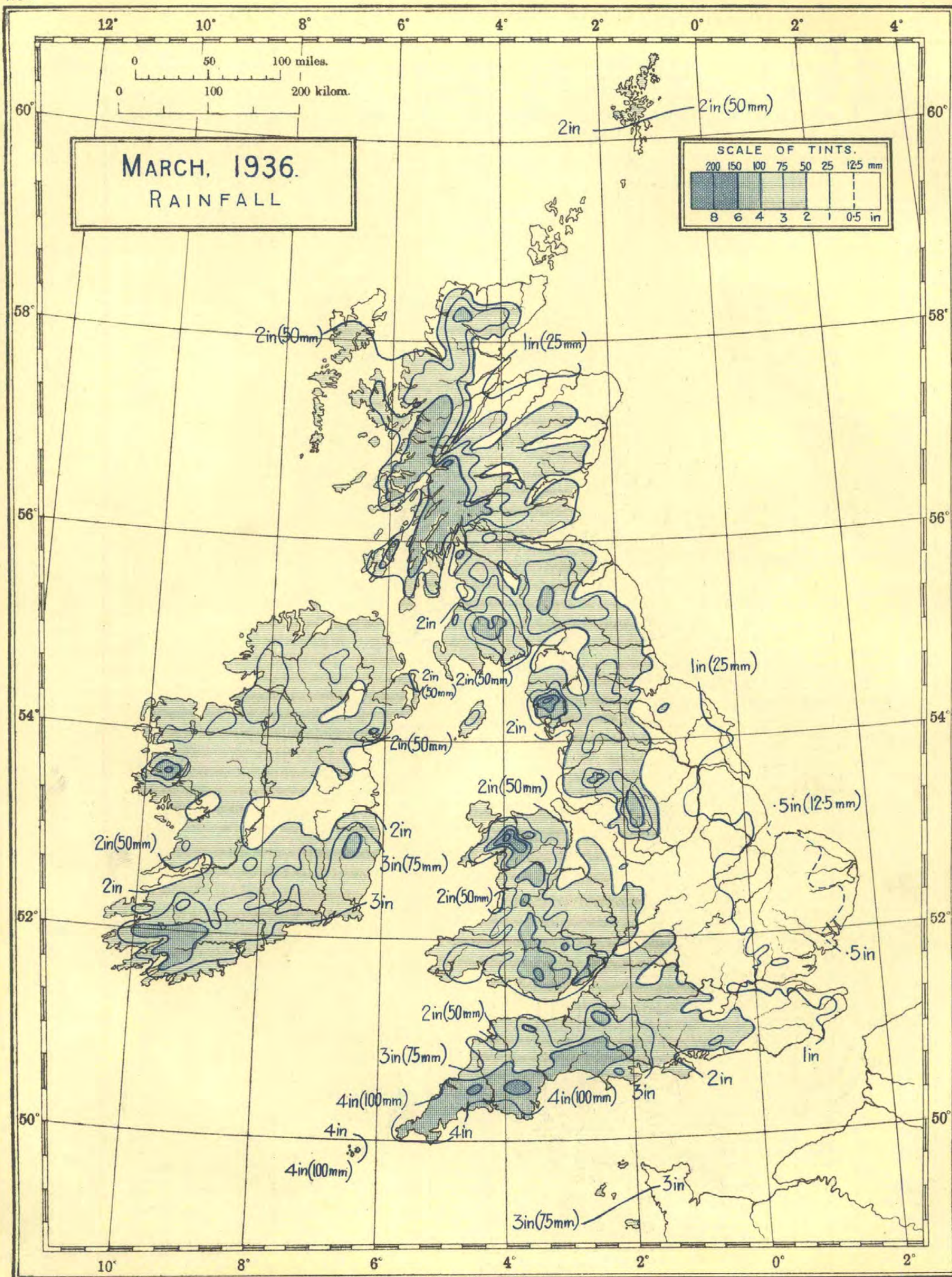


Sea temperatures are shown in large figures, thus: 45°



\*The pressure is expressed in millibars.





Scale 1 : 5,000,000.

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, 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				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	1 ft.	4 ft.	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.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%		
0. SCOTLAND, N.		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Shetland.	Baltasound	9 9 9	31	45.0	36.5	40.7	+1.0	52	21	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	29	2	-	-	2.37	60	-	14	7	19	11	5	0	2	0	2	-	3	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	-	1	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	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	
	Stornoway	- - 9	30	-	-	-	-	-	-	-	-	-	-	1.64	42	-62	9	5	21	13	-	-	-	-	-	-	-	-	-	-	
Skye.	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	(8)	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	-	-	-	
Ross & Cromarty.	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	0	-	-	-	-	
	Fortrose	9 9 9	69	48.0	38.2	43.1	+2.3	57	21	29	3	-	-	0.94	24	-	12	7	12	6	2	0	0	0	0	-	0	1.86	-1.82	16	
Inverness.	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	-	168	
	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	2.30	-	208	
	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	0	7	0	1.83	-	168	
	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	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	-	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	2.53	-1.04	228	
Banff.	Banff	9 9 9	130	46.8	37.4	42.1	+1.4	59	21	29	3	-	-	0.75	19	-32	5	4	11	7	4	0	0	0	0	7	0	2.60	-0.90	228	
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	0	2.00	-1.47	17	
	Balmoral	18-7 -	-	45.4	37.5	41.5	+1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	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	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	0	11	0	2.01	-	178	
	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	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	0	14	-	-	-	-	-
Kincairdine.	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	1.89	48	-17	17	29	15	11	1	0	0	0	4	(15)	1	-	-	-	-
	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	1.91	-	16	
Angus.	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	0	10	13	0	1.98	-	17	
	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	
	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	
Perth.	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	1.32	-2.07	118	
Fife.	Cupar	9 9 9	210	46.2	36.8	41.5	+0.8	56	24	28	3	-	-	2.61	71	-	15	29	20	14	3	1	0	0	-	-	-	-	-	-	-
	Dunfermline	9 9 9	237	46.9	36.7	41.8	-	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	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	0	7	0	1.71	-	15	
	Kirkcaldy	9 9 9	63	46.9	37.1	42.0	+0.5	57	31	26	4	-	-	2.22	56	-	11	8	19	12	0	0	0	0	-	-	-	-	-	-	-
	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	9 9 9	190	48.7	37.6	43.1	-	62	21,26	29	3,4,16	-	-	1.95	49	-	2														



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				Total Fall			Difference from Average	Most in a day		Precip'n or more	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				A Max.	B Min.		Maximum	Date	Minimum	Date	1 ft.	4 ft.	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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				Total Fall			Difference from Average	Most in a day		Precip'n	Snow lying	Hail	Thunderstorm	Fog (More than 1/2 mi.)	Ground Frost	Gale	Hours per day		Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				A	B		Maximum	Date	Minimum	Date		Amount	Date		In. or more	In. or more								Show	Snow lying		Hail	Thunderstorm	Fog (More than 1/2 mi.)	Ground Frost	Gale	Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Max.	Min.																													1 ft.	4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Max.	Min.	Mean of A and B	Max.	Min.	Mean of A and B	Max.	Min.	Mean of A and B	1 ft.	4 ft.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.</



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			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	Amount	Date	0.2 mm. or more	1 mm. or more	Snow	Daily Mean							Difference from Average					
				Max. Min.	A Max.	B Min.	Mean of A and B	Maximum	Date	Minimum	Date	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.	
5. ENGLAND, S.E.—cont.		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%	
Hampshire.	Bournemouth	9 9 9	139	50.4	40.1	45.3	+1.8	59	10, 25	28	4, 17	43.3	43.4	3.28	83	+24	13	28	18	13	0	0	0	11	-	-	2.73	-1.62	23	
	Calshot	18-7 7	8	48.5	40.7	44.6	+0.7	56	31	30	4	-	-	1.78	45	+ 2	8	31	18	12	1	0	1	0	4	4	0	2.99	-1.66	25
	Leckford	9 9 9	250	50.5	38.6	44.5	-	61	25	27	17	42.0	-	2.09	53	-	10	28	15	13	0	0	0	-	1	-	2.76	-	23	
	Long Sutton	9 9 9	479	50.8	37.4	44.1	-	62	25	26	4	42.7	-	1.85	47	-	8	23	17	12	2	0	0	0	3	12	-	2.76	-	23
	Southamp'n	2121 9	64	51.1	40.0	45.5	+1.6	60	10	30	4, 17	-	-	2.46	63	+ 5	14	31	14	13	2	0	0	0	7	9	0	2.45	-1.48	21
	S. Farnboro'	18 7 7	237	52.2	39.0	45.6	+2.5	64	25	25	4	-	-	1.98	48	- 3	14	23	16	11	2	1	1	0	5	10	0	2.76	-0.99	23
I. of Wight.	Newport	9 9 9	48	51.9	39.4	45.7	-	58	27, 29	25	4	-	-	2.30	58	-	9	31	16	13	0	0	1	0	4	12	-	-	-	24
	Ryde	9 9 9	13	49.3	40.8	45.2	+1.5	57	29	30	17	-	-	1.95	47	-	7	28	16	12	1	0	0	0	2	-	0	2.88	-1.15	24
	Sandown	9 9 9	13	43.7	41.4	45.1	+1.2	56	27, 29	32	4	-	-	2.20	56	-	8	28	19	12	0	0	0	0	-	-	0	3.63	-0.90	31
	Totland Bay	9 9 9	140	49.9	40.5	45.2	+1.9	58	25	28	4	-	-	2.18	55	+ 2	10	22	15	10	0	0	0	0	3	8	0	3.10	-1.25	25
	Ventnor(Hospital)	9 9 9	59	50.1	41.9	46.0	+1.6	55	10, 21	34	1, 4	-	-	2.32	59	+ 7	11	8	18	14	1	0	0	0	-	-	0	3.36	-1.12	31
Wilts.	Amesbury (Boscombe Down)	18-7 7	417	50.4	39.3	44.9	-	59	31	27	4	-	-	2.34	59	-	7	28	16	13	2	0	2	0	4	8	0	2.83	-	22
	Larkhill	9 9 9	440	50.4	38.4	44.4	+2.1	60	31	23	4	-	-	2.49	63	+14	10	28	16	13	1	0	0	0	1	10	0	-	-	-
	Marlboro'	2121 9	424	50.3	37.8	44.1	+2.3	59	31	24	4	44.1	45.4	2.57	65	+ 1	10	8	18	14	0	0	0	0	0	13	0	2.30	-0.87	19
	Porton	9 9 9	363	50.6	37.8	44.2	+2.1	60	31	25	4	42.5	-	2.41	61	+11	11	28	13	12	1	0	0	0	1	10	0	2.79	-	24
7a. ENGLAND, N.W.																														
Cumberland.	Keswick	9 9 9	254	49.8	38.8	44.2	+2.9	64	22	26	3	40.8	40.5	2.32	59	-55	16	29	19	17	4	0	0	1	0	6	0	1.28	-1.99	11
	Newton Rigg	2121 9	560	47.6	37.0	42.3	+2.8	61	22	24	3	-	-	1.54	39	-32	8	8	19	13	2	2	2	0	0	10	0	1.21	-2.19	10
Westmorland.	Ambleside	9 9 9	145	49.3	37.0	43.1	-	64	22	25	3, 4	-	-	3.55	90	-	24	29	19	15	3	1	0	0	0	-	-	1.16	-	10
	Appleby	9 9 9	440	48.3	46.6	42.6	+2.5	61	22	26	3, 4	-	-	1.89	48	-20	9	9	18	11	2	0	0	0	-	-	-	-	-	-
Lancashire.	Bolton	9 9 9	342	49.1	39.3	44.2	+2.9	61	22	29	4	40.7	40.1	2.74	70	-10	18	29	16	11	2	1	0	0	-	3	-	1.09	-1.06	98
	Burnley	9 9 9	458	47.9	38.3	43.1	+3.0	59	20	26	4	40.4	40.2	2.22	57	-	16	29	18	13	2	0	0	0	4	5	-	1.30	-1.31	11
	Darwen	2121 9	724	47.8	38.0	42.9	+3.2	60	22	30	3, 16	40.4	39.5	4.13	105	+ 6	38	29	22	14	9	1	2	0	3	4	-	1.24	-1.51	118
	Hutton	9 9 9	82	50.3	38.8	44.5	+3.2	62	21, 22, 23	27	4	41.5	41.2	2.35	60	-	16	29	15	9	0	0	0	0	2	6	0	1.53	-1.75	113
	Lancaster	9 9 9	312	49.9	39.4	44.7	+3.0	62	21, 23	29	3	39.0	39.9	2.03	52	-29	16	29	16	10	0	0	0	0	2	3	0	1.84	-1.73	16
	Leyland	9 9 9	125	50.5	39.4	44.9	+3.3	63	21, 22	28	3, 16	-	-	2.32	59	- 7	17	29	15	10	0	0	1	1	2	5	-	1.71	-1.54	14
	Manchester (Barton)	18-7 7	70	51.1	40.0	45.5	-	64	22	25	4	-	-	1.44	37	-	12	29	14	8	2	0	0	0	6	7	0	1.55	-	13
	(Oldham Road)	2121 9	191	50.4	41.0	45.7	+3.0	63	22	31	4	42.3	42.1	1.57	40	-25	12	29	14	6	4	-	0	0	-	1	-	0.85	-1.53	78
	(Whitworth Pk.)	2121 9	125	50.8	40.8	45.6	+3.3	63	22	30	4	-	-	1.47	37	-20	9	29	17	6	-	-	-	5	-	-	-	1.05	-1.23	9
	Southport	9 9 9	35	50.9	39.2	45.1	+3.1	63	23	28	4	42.4	42.9	1.87	47	-10	11	29	17	9	2	0	1	0	1	3	0	1.51	-2.31	13
	(Bedford Rd.Pk.)	2121 9	377	48.4	38.1	43.3	+2.4	60	21, 22, 23	25	4	-	-	2.43	62	-32	19	29	18	10	2	0	0	0	2	4	0	1.65	-1.60	14
	Stonyhurst	9 9 9	377	48.4	38.1	43.3	+2.4	60	21, 22, 23	25	4	-	-	2.43	62	-32	19	29	18	10	2	0	0	0	2	4	0	1.65	-1.60	14
Cheshire.	Bidston Obs'y	9 9 9	198	48.9	39.6	44.3	+2.2	59	22, 29	31	4	-	-	1.31	33	-15	7	8	14	11	1	0	1	0	2	2	0	1.77	-1.60	15
	Hoylake	9 9 9	23	50.0	39.4	44.7	+1.8	60	22, 29	26	4	-	-	1.62	41	- 6	9	8	14	10	0	0	1	1	-	7	-	1.76	-1.88	15
	Macclesfield	9 9 9	500	49.4	39.3	44.3	+3.6	61	21, 22, 23	31	4	-	-	1.72	44	-23	7	5	16	11	4	1	0	0	0	-	-	-	-	-
	West Kirby	9 9 9	25	49.7	39.5	44.6	-	60	22, 23	29	4	-	-	1.62	41	- 6	10	23	13	9	1	0	1	1	0	6	-	1.82	-	15
7b. NORTH WALES.																														
Flint.	Hawarden B'dge	9 9 9	17	50.7	39.3	45.0	+1.9	61	29	27	4	-	-	2.26	57	-	23	23	15	9	0	0	0	1	2	-	-	-	-	-
	Rhyl	9 9 9	31	50.4	39.9	45.1	+2.3	61	29	27	4	-	-	2.24	57	+13	21	23	14	11	1	0	1	1	0	5	0	1.69	-2.30	14
	Sealand	18-7 7	16	50.9	39.5	45.2	+2.3	62	23	25	4	42.4	42.5	1.99	51	+ 6	20	23	13	10	0	0	0	1	4	7	0	1.65	-1.80	16
Anglesey.	Holyhead	18-7 7	26	48.9	41.8	45.3	+1.2	59	21	31	3, 4	-	-	2.71	69	+ 3	14	8	19	16	1	0	0	0	0	3	2	1.68	-2.30	14
Denbigh.	Colwyn Bay	9 9 9	118	50.5	41.0	45.7	+2.3	60	23, 29	28	4	-	-	3.05	77	+20	39	23	16	13	0	0	0	1	0	-	-	1.49	-2.35	13
Carnarvon.	Aber	9 9 9	60	51.1	41.6	46.3	-	62	29	29	4	-	-	3.23	82	-	23	29	19	14	0	0	0	0	-	6	0	1.73	-	15S
	Llandudno	9 9 9	13	50.4	41.5	45.9	+2.5	61	20, 21, 29	30	3, 4	-	-	2.33	59	+ 7	21	23	16	10	0	0	0	1	0	4	0	1.76	-2.11	15
Montgomery.	Welshpool	9 9 9	254	51.0	37.5	44.3	+2.4	60	31	24	4	-	-	2.12	54	- 3	15	25	16	11	0	0	0	0	5	-	-	-	-	-
8a. SOUTH WALES.																														
Cardigan.	Aberystwyth	9 9 9	12	50.2	41.4	45.8	+2.9	59	28	28	3	-	-	1.71	43	-	7	22	15	8	0	0	0	0	0	-	-	2.19	-1.71	19
	" P.B.S.†	9 9 9	452	48.9	40.0	44.5	-	58	28	27	3	-	-	1.99	51	-	9	8	17	11	1	0	0	0	0	7	0	1.99	-	17
	Ciliau Aeron	9 9 9	252	51.3	39.6	45.5	-	61	24	25	3	-	-	2.57	65	-	14	23	16	12	1	0	0	0	0	-	0	2.15	-	18
Pembroke.	Haverfordwest	2121 9	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	St. Ann's Hd.	18-7 7	142	49.2	41.3	45.3	+1.0	57	25	32	4	-	-	2.61	66	+ 1	13	8	20	13	2	0	0	0	2	-	0	2.15	-1.88	18
Radnor.	Llandrindod Wells	9 9 9	772	48.3	36.9	42.6	-	57	28	23	4	-	-	2.73	69	-	13	23	19	16	3	1	2	0	1	-	-	1.84	-	16
	Rhayader	9 9 9	757	47.6	37.3	42.5	+2.0	56	28	25	3, 4	-	-	3.06	78	-34	15	22	20	13	3	2	0	0	2	6	0	1.51	-1.79	13
Brecknock.	Cantref	9 9 9	1080	45.6	37.2	41.4	-	53	24, 28	24	4	-	-	4.42	112	-</														

† Plant Breeding Station.

¶§ 3 See Notes on Tables on last page of this issue.



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			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.		Mean of A and B	Maximum	Date												Minimum	Date		Amount	Date	Daily Mean	Difference from Average			
					Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0·2 in. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.
8b. ENGLAND, S.W.—cont.			G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0·2 in. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%			
Dorset.	Holton Heath ..	9 9 9	64	50·6	39·6	45·1	+7·4	59	10	27	4	44·0	44·1	3·57	91	-	15	28	19	15	1	0	0	0	1	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	-	-	-	-	-	-	
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	-	7	-	-	-	-	
	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	0	1	-	3·52	-0·33	30	
	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	-	-	-	-	-	
	Moretonhamstead ..	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	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	5	9	-	2·57	-	22		
	Paignton ..	9 9 9	12	51·2	41·7	46·5	+2·2	59	30	31	4	-	-	4·50	114	-	19	28	22	16	0	0	1	1	0	7	-	2·84	-1·36	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	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	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	5	-	3·22	-	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	-	-	2·86	-1·46	24		
	Torquay ..	9 9 9	27	50·8	41·9	46·3	+1·2	58	30	30	3	-	45·4	4·60	117	+47	17	8	22	18	0	0	0	0	5	0	2·96	-1·44	25		
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	-	3·17	-1·20	27	
	Fowey ..	9 9 9	51	52·2	42·5	47·3	+1·9	61	23	32	4	-	-	4·01	102	-	17	26	19	17	0	0	0	1	-	-	2·99	-1·27	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	3	0	-	4	-	3·23	-	27	
	The Lizard ..	18-7 7	240	50·8	43·5	47·1	-	55	19, 22, 23	34	3, 4	-	-	3·99	101	-	20	26	19	16	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	3·41	-0·88	29		
	Redruth ..	9 9 9	397	50·5	41·6	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	+1·3	60	25	30	11	-	-	3·41	87	-	21	6	20	15	-	-	-	0	-	-	3·27	-0·31	27		
Donegal.	Malin Head ..	18-7 7	84	47·7	40·6	44·1	+1·0	57	29	31	11	-	-	2·09	53	-	6	9	7	18	14	1	0	4	0	-	0	1·95	-2·97	17	
Antrim.	Aldergrove ..	18-7 7	238	49·1	38·6	43·9	-	57	20	27	11	-	-	2·15	55	-	9	26	18	15	2	1	4	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	28	20	13	-	-	-	0	-	-	2·38	-	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	1·67	43	-17	9	28	17	13	3	0	2	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	-	-	-
	„ Glasnevin ..	2121 9	55	50·4	39·2	44·8	+1·9	61	31	25	3	-	-	1·81	41	-	9	14	26	16	9	0	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	0	2	0	4	4	-	2·22	-1·54	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 ..	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	-	-	2·56	-	22		
	(Peamount San.)																														
	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	-	2·24	-	19	
Wicklow.	Newcastle ..	2121 9	256	49·1	39·5	44·3	+1·4	62	31	29	3	-	-	3·17	81	-	16	26	21	16	0	1	0	0	4	-	-	-	-	-	
Offaly.	Birr Castle ..	18-7 7	173	51·0	39·7	45·3	+1·9	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	+1·2	59	31	29	2	-	-	4·73	120	-	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	+1·2	59	25	30	2	-	-	3·42	87	+18	22	28	18	13	0	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	0	3·46	-0·25	29	
	..	18-7 -	-	51·6	42·7	47·1	+1·0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cork.	Ballinacurra ..	9 9 9	24	50·5	40·5	45·5	+1·6	56	31	31	16	-	-	2·65	67	-	5	18	28	18	11	0	0	0	0	-	-	2·60	-1·25	22	
	Cork ..	9 9 9	57	50·3	40·7	45·8	-	58	30, 31	30	16	-	-	3·21	81	+	5	15	21	18	13	0	0	0	0	12	-	2·10	-	18	
	Roche's Pt. ..	18-7 7	22	48·7	42·8	45·7	+0·3	55	31	34	2	-	-	3·08	78	+	2	14	28	21	13	0	0	0	0	1	-	0	-	-	-
11. CHANNEL ISLES AND SCILLY.																															
Scilly.	St. Mary's ..	18-7 7	163	51·0	44·7	47·9	+1·2	56	29	35	2	-	-	4·26	108	+46	20	26	21	17	0	0	2	0	2	-	0	3·42	-0·98	29	
Guernsey.	St. Peter Port ..	18-7 7	175	51·9	44·1</																										

† Sunshine recorder is at Mount Stewart.

TABLE III (c).—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	
	Cal./cm. <sup>2</sup> /diem.
Max. (on 24) ..	.. 405
Mean ..	.. 92

\*\* See Meteorological Magazine, May, 1920, p. 70.



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	3	4	5	6	7	8	9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Visibility			8 or more	4	5	6	Calms	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	5	6	Calms	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	3	8	7	13	0	2	18	11	0	3	2	2	4	10	7	2	1	2																						
		7	160	1010·1	+3·7	40·0	1·2	7·5	89	8·4	0	1	5	14	11	0	0	0	1	1	0	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	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	18	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	1007·6	+0·3	41·4	1·3	7·8	89	8·2	0	1	4	17	9	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	-	45·6	2·2	8·2	78	8·0	0	1	5	16	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	8	9	9	5	0	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	2	9	6	13	0	1	14	16	0	1	2	1	8	7	6	5	1																						
		7	79	1008·7	+1·3	39·8	1·2	7·5	89	8·9	0	0	2	12	17	0	1	0	0	2	6	7	15	0	0	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	18	0	0	0	0	3	7	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	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	1	1	5	22	2	0	0	8	23	0	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	8	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	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																							
		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																						
Perth.	Crieff ..	21	482	1009·8	-	40·2	1·6	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	1008·6	-	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..	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	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	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	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	85	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	1·2	7·8	89	9·2	0	1	0	11	19	0	1	0	0	3	13	6	4	2	2	0	3	24	4	2	2	12	2	2	3	4	0																						
		13	24	1009·1	-	47·0	3·4	8·2	74	9·1	0	1	1	14	15	0	0	0	1	0	6	13	2	5	4	0	13	15	3	0	4	6	4	4	2	5	3																						
		18	24	1008·9	-	45·2	2·6	8·0	79	8·4	0	1	3	15	12	0	0	0	0	2	12	9	1	6	1	0	10	19	2	1	1	10	4	2	1	10	0																						
Dumfries.	Eskdalemuir††	7	778	1009·7	-	37·2	0·9	6·9	91	8·7	0	1	4	9	17	0	0	0	2	1	1	19	4	4	0	0	8	17	6	8	4	2	2	3	3	2	1																						
		13	778	1009·5	-	43·3	2·9	7·4	78	9·1	0	0	1	12	18	0	0	0	0	1	3	12	7	8	0	0	17	14	0	4	4	2	7	7	5	2	0																						
		18	778	1009·5	-	41·4	2·6	7·4	84	8·2	0	2	4	11	14	0	1	0	1	1	2	8	7	10	1																																		

\* Mean of hourly readings.

† Pressure at Station level.

† Mean pressure at Station Level is

968.8 mb.

†† Mean pressures at Station Level are

980.6 mb. at 7 h.,

980.7 mb. at 13 h.,

980.6 mb. at 18 h., and

981.3 mb. at 21 h.



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

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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2. ENGLAND, N.E.—cont.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Durham.	Durham ..	H	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										



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	Fog or more	Force	Direction	N.	E.	S.	W.	N.W.										
											0	1	2	3	4	5	6	7	8	9																		
		G.M.T.	ft.	mb.	mb.	*F.	*F.	mb.	%		0	1	2	3	4	5	6	7	8	9																		
5. ENGLAND, S.E.—cont.		H	7	572	1010·7	-	40·5	1·1	7·9	91	7·8	0	4	5	8	14	0	5	2	1	3	3	5	10	2	0	0	5	25	1	2	5	4	6	3	3	1	
Kent.	Biggin Hill ..	H	13	572	1010·7	-	47·9	3·7	8·5	74	7·7	2	1	4	15	9	0	0	1	1	3	2	7	11	4	2	0	11	18	2	2	6	3	5	6	4	2	1
			18	572	1011·0	-	44·9	2·8	8·1	78	6·3	1	7	6	11	6	0	0	0	1	4	1	6	10	9	0	0	10	19	2	1	7	3	5	7	4	2	0
Kent.	Dungeness ...		7	—	—	-	42·7	1·2	8·4	90	7·5	2	0	8	11	10	0	1	0	0	0	7	9	14	0	0	0	5	26	0	4	6	1	5	4	7	3	2
			13	—	—	-	47·6	2·4	9·4	82	7·6	0	3	4	21	3	0	0	0	0	0	5	11	15	0	0	0	8	23	0	3	3	3	3	4	9	5	1
			18	—	—	-	45·7	1·9	9·0	85	7·2	1	4	3	20	3	0	0	0	0	2	4	10	15	0	0	0	8	23	0	3	5	6	3	6	7	4	2
Kent.	Lympe ..	H	1	345	1011·3	-	42·2	1·8	7·9	85	6·1	7	4	1	8	11	0	0	0	2	3	1	2	12	8	3	0	6	25	0	4	3	6	9	1	4	3	2
			7	345	1011·2	-	41·2	1·5	7·8	87	8·1	0	2	5	9	15	0	2	3	1	2	3	7	9	4	0	0	6	25	0	3	6	3	8	3	2	4	2
			13	345	1011·4	-	47·4	3·4	8·5	75	7·7	1	1	6	14	9	0	2	0	0	1	5	4	12	7	0	0	8	23	0	2	4	3	8	8	3	1	1
			18	345	1011·5	-	45·2	2·8	8·2	78	7·0	1	5	2	17	6	0	2	0	0	2	2	12	12	2	0	0	6	25	0	2	8	5	3	4	5	2	2
Kent.	Manston ..		1	141	1010·9	-	42·6	1·6	8·1	86	5·6	6	6	2	7	10	0	2	0	0	1	2	14	11	1	0	0	8	21	2	1	5	6	5	3	6	2	1
			7	141	1010·7	-	41·8	1·4	8·1	88	8·3	0	1	5	9	16	0	1	0	1	1	3	9	11	5	0	0	6	25	0	2	5	3	11	2	4	4	0
			13	141	1011·1	-	48·4	3·6	8·7	74	7·8	1	2	1	13	14	0	0	0	1	0	5	8	11	6	0	0	14	17	0	2	3	5	6	5	3	4	0
			18	141	1011·3	-	45·3	2·3	8·6	81	6·8	2	4	3	8	14</																						

\* Visibility at Hesketh Park; wind at Marshside.



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

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	FOG				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	4	1	0	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																				0	1	2	3																	
9. SOUTH WALES—cont.																																								
Radnor.		9	725	1010.3	-	42.1	2.0	7.5	83	8.3	0	5	1	6	19	0	1	0	0	0	1	25	1	3	0	0	9	21	1	4	2	5	5	3	6	3	2			
		9			-	41.7	1.4	8.0	88	8.5	0	2	3	8	18	0	1	1	0	3	2	16	5	3	0	0	1	30	0	1	5	1	14	1	3	0	6			
		9	216	1009.7	-	43.9	1.7	8.4	86	8.3	3	1	1	6	20	0	1	1	0	6	7	12	3	1	0	0	5	26	0	2	12	5	2	2	3	4	0			
Glamorgan.	Cardiff	21	216	1009.9	-	44.3	1.5	8.6	87	6.8	9	0	1	3	18	0	0	0	0	0	1	22	8	0	0	0	1	30	0	0	6	7	7	0	7	3	1			
10. ENGLAND, S.W.																																								
Somerset.	Bath	9	113	1009.6	-	45.8	2.2	8.7	83	7.6	4	2	2	7	16	0	0	1	1	4	8	15	2	0	0	0	2	26	3	1	1	9	7	3	3	1	3			
Dorset.	Holton Heath	9	58	1010.0	-	45.3	1.7	9.1	86	7.5	5	1	2	6	17	0	1	0	0	1	5	13	10	1	0	0	14	14	3	3	1	6	6	3	4	2	3			
		15	58	1009.8	-	49.4	3.3	9.2	76	6.6	4	3	6	12	0	0	0	0	0	0	4	13	8	6	0	0	14	17	0	2	2	12	4	4	3	2	3			
		1	37	1009.0	-	44.5	1.2	9.2	91	7.6	2	1	8	1	19	0	0	0	0	0	3	23	5	0	0	0	17	14	0	4	4	6	7	4	2	2	2			
		7	37	1008.5	-3.8	44.0	1.1	8.9	91	7.7	2	3	3	9	14	0	0	0	0	0	5	18	8	0	0	0	17	14	0	3	4	8	6	4	3	1	2			
		13	37	1009.0	-	46.8	1.7	9.5	87	7.7	3	1	2	14	11	0	0	1	0	0	3	22	5	0	0	0	14	17	0	2	2	6	8	5	2	3	3			
		18	37	1009.2	-	45.9	1.4	9.4	89	7.9	1	0	5	13	12	0	0	0	0	0	4	20	7	0	0	0	9	22	0	2	0	7	10	3	2	5	2			
Devon.	Moretonhampstead	9	801	1009.1	-	42.8	1.2	8.6	90	7.5	2	4	2	9	14	0	3	1	0	1	4	6	12																	

\* 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

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VOL. 53. No. 4.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

## 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

[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.	°F.	°F.	°F.	°F.	%		%	%
Eastern.	59	14	-1.3	-	-	51	-1	116	39
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
Western.	°F.	°F.	°F.	°F.	°F.	%		%	%
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 1-10	69	16	-1.3	-0.2	+0.4	82	-2	106	38

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

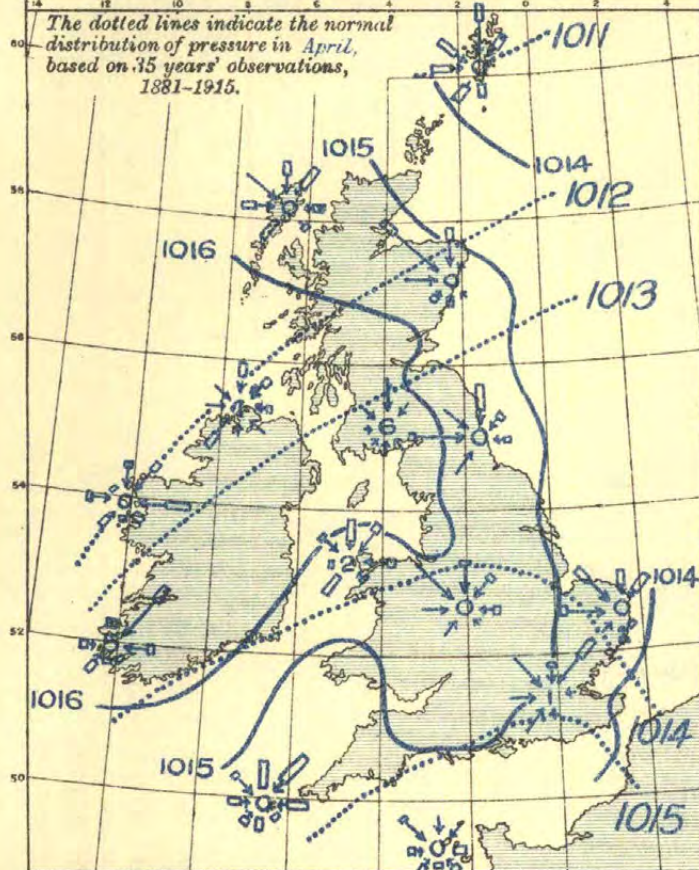
[1914.]

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	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.		hr.		hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.				
Shetland. 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	169	(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	160	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. Caddington .. .	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	6	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	476	0	-	33	15	25 01	58	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				
Cork. Cork .. ..	132	71	40	-	0	0	0	64	238	206	212	-	17	8	21 23	36	16	26	14	40				
11. SCILLY ISLES.																								
St. Mary's .. ..	230	65	57	21, 22	10	18	138	417	148	7	0	270	41	18	21 18	55	25	21	18	10				

†† 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 1933 Annual Summary Wind Section).



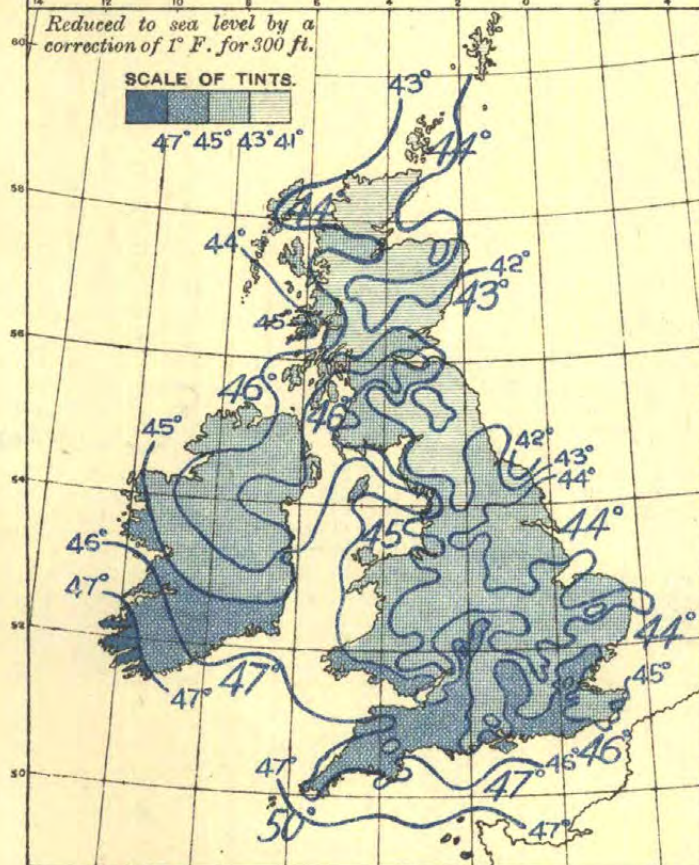
## 1. WIND AND MEAN PRESSURE. 7 A.M. \*



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

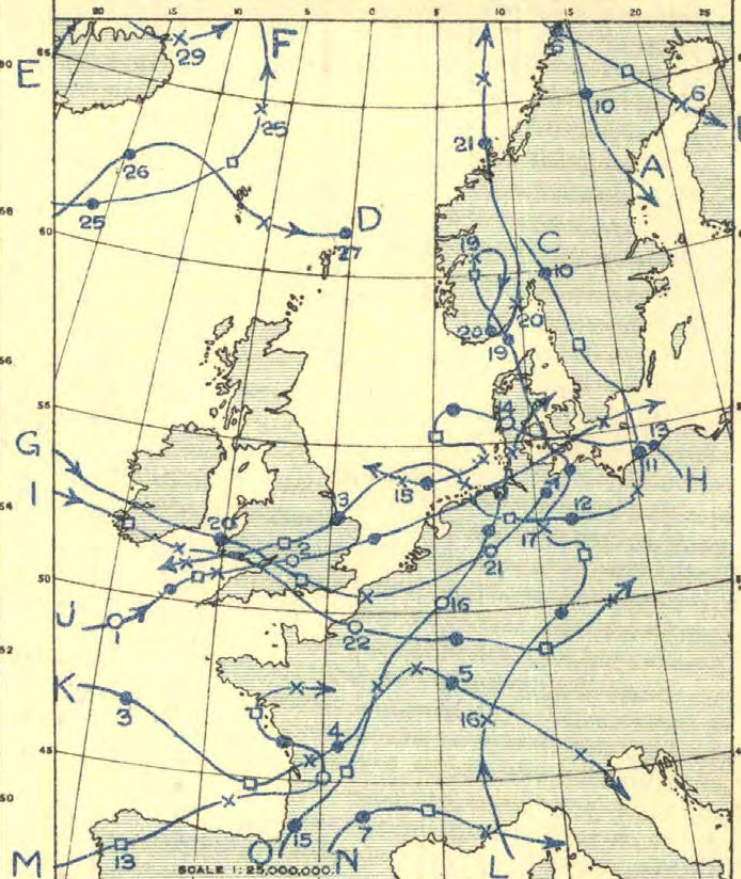
LIGHT TO MODERATE GALE  
30 OBS. 1 inch

## 3. DISTRIBUTION OF MEAN TEMPERATURE.



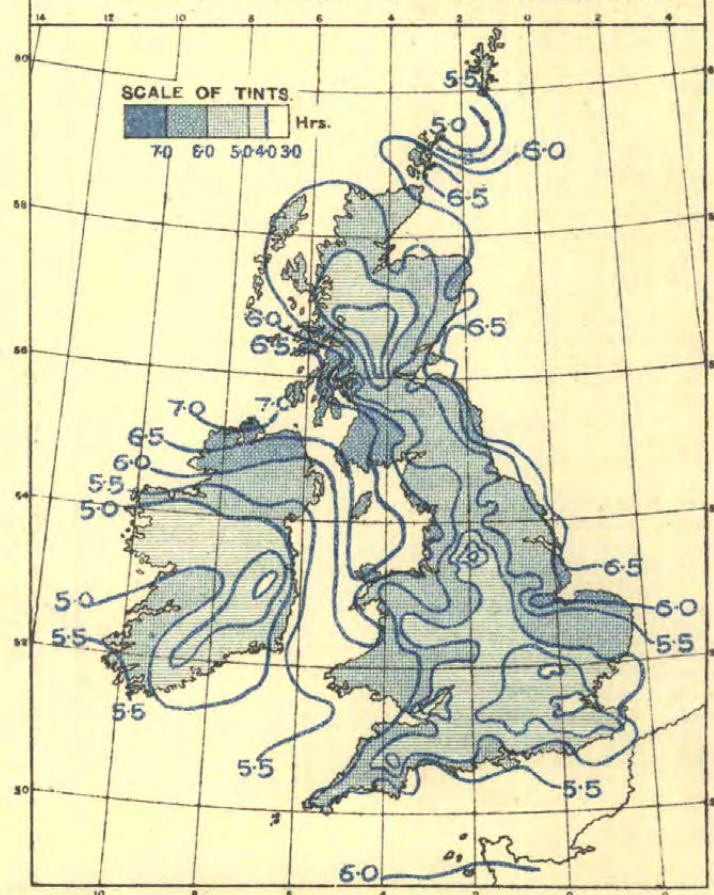
Sea temperatures are shown in large figures, thus: 46°

## 2. MOVEMENTS OF DEPRESSIONS.



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

## 4. BRIGHT SUNSHINE. HOURS PER DAY.





Ps. 447/3085. Wt. 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.—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				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		Maximum	Date	Minimum	Date		in.	mm.										mm.	mm.		Date	P.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average
			Max.	Min.																																
0. SCOTLAND, N.																																				
Shetland.	Baltasound	9 9 9	31	46.5	36.4	41.5	-0.4	54	29	26	3	41.9	-	2.16	55	-9	8	16	28	14	11	1	7	0	0	-	0	4.72	+0.31	32						
	Lerwick	18-7 7	156	44.0	36.9	40.5	-2.0	50	27	28	22	-	-	1.35	34	-	5	18	20	10	9	0	11	0	0	-	4	5.50	+2.09	38						
Orkney.	Deerness	2121 9	160	46.4	36.5	41.5	-0.6	54	25, 27, 30	29	21, 22	-	-	1.08	27	-26	6	24	15	8	11	1	1	0	0	-	6	5.0	+1.81	45						
	Kirkwall	9 9 9	113	46.5	36.9	41.7	-1.1	55	25	29	22	43.2	-	0.90	23	-32	5	24	14	8	1	8	0	0	7	2	6.24	+1.31	43							
Hebrides.	Skallary	101010	30	49.4	40.2	44.8	-	55	28, 29	31	22	-	-	1.28	33	-	7	23, 24	16	7	5	0	3	0	0	-	-	-	-	-						
	Stornoway (C.G.)	18-7 7	80	47.3	37.2	42.3	-1.1	54	29	28	21	-	-	1.96	50	-	6	23	25	18	8	0	9	0	0	-	2	5.41	+0.18	36						
Skye.	Stornoway	- 9 9	30	-	-	-	-	-	-	-	-	-	-	2.04	52	-25	7	24	22	21	-	-	-	-	-	-	-	-	-	-						
	Duntulm	9 9 9	294	47.1	37.3	42.2	-	54	27	30	21, 22	-	-	1.52	39	-	7	24	17	11	8	0	5	0	6	2	5.44	-	38							
Caithness.	Wick	18-7 7	81	46.9	36.0	41.5	-0.6	58	29	26	21, 22	-	-	1.28	33	-18	7	21	21	7	10	5	4	0	0	-	4	-	-	-						
	Achnashellach	9 9 9	225	50.6	33.3	41.9	-	57	26	25	19, 23, 25	-	-	3.31	84	-60	28	27	16	12	6	0	0	0	0	0	-	-	-	-						
Ross & Cromarty.	Fortrose	9 9 9	69	49.6	37.2	43.4	-1.1	59	1, 27	28	23	-	-	0.95	24	-	5	15	16	8	4	0	4	0	0	-	0	5.04	+0.07	35						
	Dalwhinnie	18-7 7	1176	45.8	28.9	37.3	-	55	1	14	21	-	-	1.83	46	-	14	24	19	12	12	5	0	0	1	22	0	4.07	-	29						
Inverness.	Ft. Augustus	9 9 9	68	49.2	34.0	41.6	-2.0	59	1	21	23	-	-	1.20	31	-34	7	26	13	9	4	0	3	0	0	-	4	7.0	-	33S						
	Ft. William	9 9 9	34	50.3	35.5	42.9	-1.2	56	1, 4	20	23	44.0	44.4	2.38	61	-51	26	24	13	9	2	1	2	0	11	0	4.14	-	29S							
Inverness	Inverness	9 9 9	242	48.0	35.8	41.9	-2.6	57	28	25	23	-	-	0.76	19	-21	4	15	11	7	7	1	1	0	0	14	1	5.11	+0.46	36						
1. SCOTLAND, E.																																				
Nairn.	Nairn	9 9 9	20	49.7	35.9	42.8	-0.9	61	28	24	23	-	-	0.74	19	-19	5	15	21	6	3	0	7	0	0	-	0	5.59	+0.89	39						
	Forres	9 9 9	155	49.8	35.0	42.4	-	61	28	28	21	-	-	0.67	17	-	5	14	13	6	5	0	10	0	0	-	0	5.41	-	38						
Moray.	Gordon Castle	2121 9	104	49.2	35.1	42.1	-1.7	58	25, 27, 28	27	4	-	-	0.97	25	-20	7	16	14	10	1	0	6	0	-	-	5.15	+0.43	36S							
	Banff	9 9 9	130	47.9	37.3	42.6	-0.9	61	25	28	4	-	-	0.65	17	-25	3	16	12	9	7	0	8	0	0	8	0	5.80	+1.25	41S						
Aberdeen.	Aberdeen	242424	79	47.5	36.2	41.9	-1.2	59	25	28	4	42.8	42.2	0.69	18	-30	4	21	14	7	10	1	11	0	0	14	0	5.93	+0.90	42						
	Balmoral	18-7 -	-	48.3	35.7	42.0	-2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Angus.	Braemar	9 9 9	927	46.0	30.4	38.2	-2.3	57	27	19	23	-	-	1.25	32	-23	8	1	18	13	11	3	0	0	-	22	0	-	-	-						
	Craibstone	2121 9	1111	46.5	30.7	38.6	-1.7	57	27	18	23	-	-	0.83	21	-39	7	24	12	8	5	2	0	0	0	20	0	4.92	-	35S						
Kincairdine.	Logie Coldstone	9 9 9	300	47.1	34.1	40.6	-	58	26	26	4, 22	41.4	41.0	0.64	16	-35	4	21	13	5	12	3	10	1	-	10	-	6.34	-	45						
	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	0.48	12	-40	3	23	8	5	3	0	2	0	0	25	0	-	-	-						
Angus.	Stonehaven	9 9 9	12	50.5	34.7	42.6	-	61	25	26	4	-	-	0.34	9	-	2	11	11	5	4	0	5	0	0	-	6.28	-	44							
	Arbroath	2121 9	93	51.0	34.3	42.7	-1.0	60	27	25	21	-	-	0.52	13	-28	4	24	8	6	1	0	0	0	0	20	0	6.80	-	48						
Perth.	Carnoustie	9 9 9	39	49.9	35.2	42.5	-1.6	59	25, 27	28	21, 22, 23	-	-	0.57	15	-28	3	12, 24	8	6	2	0	3	0	-	0	6.52	+1.38	46							
	Dundee	9 9 9	147	49.1	34.6	41.9	-1.8	61	27	28	21, 22, 23	43.4	-	0.60	15	-26	5	23	9	7	2	0	10	0	-	20	0	5.78	+2.59	41						
Fife.	Kettins	9 9 9	218	50.9	32.3	41.6	-1.9	61	27	22	23	44.0	-	0.53	13	-33	6	24	9	4	3	0	4	0	0	24	2	-	-	-						
	Montrose	9 9 9	16	49.6	35.0	42.3	-1.0	59	29	25	4	-	-	0.43	11	-	4	11	6	4	1	0	6	0	0	-	0	6.57	+2.74	46						
Perth.	Crieff	2121 9	478	50.5	33.0	41.7	-1.8	60	8	23	21	-	-	1.17	30	-26	13	24	10	5	7	0	1	0	-	0	-	-	-	-						
	Perth	9 9 9	76	51.8	33.5	42.7	-1.8	63	30	22	18, 21, 23	-	-	0.55	14	-31	9	23	5	4	6	0	3	0	-	-	5.24	+0.17	37							
Fife.	Cupar	9 9 9	210	50.0	34.8	42.4	-1.5	61	30	26	21, 23	-	-	0.67	17	-	5	23	9	4	2	0	3	0	-	-	-	-	-	-						
	Dunfermline	9 9 9	237	50.2	34.2	42.2	-	59	27	26	21, 23	44.2	43.4	1.24	31	-	14	23	10	9	11	1	7	0	0	19	0	5.28	-	37						
Mid Lothian.	Inchkeith	18-7 7	190	49.5	37.5	43.5	-0.6	57	8	31	22	-	-	0.85	21	-10	14	23	8	4	2	0	0	0	0	10	0	6.15	-	44						
	Kirkcaldy	9 9 9	63	51.6	36.2	43.9	-1.0	62	27	26	21	-	-	0.94	24	-	10	23	7	7	2	0	1	0	-	-	-	-	-	-						
Roxburgh.	Leuchars	18-7 7	35	50.4	34.9	42.7	-0.8	60	27	25	23	-	-	0.52	13	-27	4	13	9	3	3	0	3	0	0	18	0	6.35	+2.23	45						
	St. Andrews	9 9 9	13	49.4	35.1	42.3	-2.0	60	27, 30	25	21	44.1	43.8	0.53	13	-30	5	23	9	4	3	0	4	0	0	12	-	6.43	+1.45	46						
E. Lothian.	Edinburgh—																																			
	Blackford H.	2121 9	441	48.3	36.0	42.1	-1.6	60	27	30	6, 20, 22	-	-	1.41	36	-1	18	23	16	8	6	0	6	0	1	12	0	5.83	+1.14	41S						
Dumfries.	Boghall	9 9 9	639	48.2	34.0	41.1	-	57	27, 30	24	21	41.7	42.2	1.38	35	-	7	12	17	8	10	1	5	0	0	16	-	5.38	-	38						
	Liberton	9 9 9	190	50.0	35.3	42.7	-	61	27	25	21	-	-	1.42	36	-	15	23	13	8	(6)	0	0	0	-	-	-	-	-	-						
Ayr.	Univ. King's B.	9 9 9	225	49.6	35.4	42.5	-	61	27	25	21	43.5	44.1	1.35	34	-	14	23	13	6	-	-	-	-	-	-	-	-	-	-						
	Dunbar	9 9 9	75	48.3	36.9	42.6	-	60	25	29	21	-	-	0.99	25	-																				



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				Total Fall			Difference from Average	Most in a day		Precip'n or more 1 mm. or more	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				A Max.	B Min.		Maximum	Date	Minimum	Date	1 ft.	4 ft.	Amount		Date	Daily Mean								Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Max. Min. Rain	°F.	°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	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
6b. ISLE OF MAN.		G.M.T.	ft.	°F.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	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				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.		Maximum	Date	Minimum	Date	1 ft.	4 ft.	Amount											Date	0.2 mm. or more	1 mm. or more	Daily Mean	Difference from Average	Per Cent.		
				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	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.		
4. MID. COUNTIES—cont.		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.		
Nottingham	Nottingham	999	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		
	Sutton Bon'gton	999	157	50.8	34.4	42.6	-	62	25	23	21	-	-	1.44	37	+ 2	9	1	11	8	3	1	0	0	15	-	4.97	-	36		
	Worsop	999	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	38.7	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	999	147	50.2	36.6	43.4	-2.9	65	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	60	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	63	28	29	21,23	-	-	1.87	47	0	14	1	12	11	6	1	4	0	3	16	-	-	-	
	Coventry	999	241	50.6	36.5	43.5	-3.0	63	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	-	62	29	24	21	-	-	1.82	46	-	10	1	13	8	4	0	0	0	-	17	-	-	-	
	Stratford-on-Avon	999	210	50.3	36.1	43.2	-	62	28	27	23	-	-	1.61	41	-	10	25	13	8	6	0	1	0	0	-	-	4.62	-	33	
Oxford.	Oxford	999	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	999	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	999	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	999	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	999	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	999	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	999	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)	999	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	999	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	999	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	0	10	0	-	-	-
	Cheltenham	2121	9	274	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	999	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	999	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	16	-	4.60	-	33	
5. ENGLAND, S.E.																															
London.	City, Bunhill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Camden Square	999	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	999	15	51.8	38.9	45.3	-2.6	65	29	30	14,21	-	-	1.33	34	- 1	8	20	13	9	-	-	-	-	-	-	-	-	-	-	-
	Enfield	999	148	52.2	38.5	45.3	-2.0	66	28	29	21	-	45.8	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	999	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	1	8	0	3.79	-	27	
	Kingsway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Regent's Park	999	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	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	-	50.9	39.2	45.1	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham	2121	9	51	52.3	39.9	46.1	-1.6	65	28	32	14	-	47.1	1.28	33	- 4	7	20	12	8	1	0	0	0	-	3	-	4.38	-0.46	31
	Westminster	999	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	999	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
	Wiseley	999	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	-	-	1.96	50	+ 1	12	20	13	7	7	0	2	0	2	15	0	4.17	-0.74	30
	Bromley	999	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	999	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	999	22	50.9	40.2	45.5	-0.8	60	29,30	33	13,14	46.																			







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				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		Amount	Date										0.2 mm. or more	1 mm. or more		Daily Mean	Difference from Average						
			Max. Min.	ft.	°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	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%				
8b. ENGLAND, S.W.—cont.																																
Dorset.	Holton Heath	9 9 9	64	51.7	37.0	44.3	-2.5	63	29	26	23	46.3	47.1	1.74	44	-	12	3	12	8	0	0	1	0	0	13	0	4.35	-2.07	32		
	Portland Bill	18-7 7	32	49.4	40.8	45.1	-2.8	59	29,30	34	13	-	-	1.52	39	+1	14	3	9	6	1	0	0	0	-	0	-	-	-	-		
	Shaftesbury	9 9 9	722	48.7	36.9	42.8	-2.5	59	28,29	29	13	-	-	1.50	38	-16	8	3	11	9	2	0	1	0	-	-	-	-	-	-	-	
Devon.	Arlington	9 9 9	613	50.8	37.7	44.3	-1.0	59	28,29	27	23	-	-	3.61	92	+14	23	19	12	10	5	0	3	2	-	11	-	-	-	-	-	
	Cullompton	9 9 9	202	52.6	37.0	44.5	-2.5	63	29	27	23	47.6	-	2.42	61	+3	15	21	13	11	2	0	0	0	17	-	4.95	-0.90	36			
	Ilfracombe	9 9 9	25	50.2	41.2	45.7	-2.0	58	28	34	23	48.5	49.7	3.14	80	+19	18	25	11	9	0	0	0	0	0	-	5.89	+0.36	43			
	Killerton	9 9 9	159	52.8	36.3	44.5	-2.2	63	29	27	23	-	-	2.49	63	-	23	3	12	9	-	-	-	-	0	(15)	-	-	-	-	-	
	Moretonhampstead	9 9 9	798	48.2	36.2	42.2	-	58	28	28	13,23	44.7	45.0	2.96	75	-	27	3	12	9	6	0	4	0	14	0	4.35	-	32			
	Newton Abbot	9 9 9	375	51.6	37.8	44.7	-	61	26	30	23	-	-	2.88	73	+19	26	3	13	10	3	0	1	0	2	13	-	4.69	-	34		
	Paignton	9 9 9	12	52.1	39.6	45.9	-2.2	61	29	31	13,23	-	-	2.60	66	-	27	3	11	8	0	0	1	0	12	-	5.01	-2.01	37			
	Plymouth (Hoe)	2121 9	117	51.9	39.6	45.7	-2.2	61	29,30	32	13	48.1	48.3	1.84	47	-11	11	3	14	8	0	0	2	0	9	0	5.53	-0.39	40			
	Plymouth (Mount Batten)	18-7 7	82	50.7	40.5	45.6	-2.9	60	29	32	23	-	-	1.85	47	-	13	21	12	9	1	0	3	0	11	0	5.46	-0.42	40			
	Princetown	9 9 9	1430	46.4	34.6	40.5	-2.2	56	29	28	12,13	-	-	4.42	112	-16	29	1	13	11	4	0	0	0	2	14	-	-	-	-	-	
	Sidmouth	9 9 9	25	52.6	38.5	45.5	-1.4	63	29	30	23	-	-	2.35	60	-	23	21	11	9	0	0	2	0	12	-	5.55	-	41			
	Tavistock	9 9 9	457	50.7	37.6	44.1	-2.6	59	29	28	12	-	47.8	1.98	50	-24	13	1	15	10	3	0	2	0	1	17	0	-	-	-	-	
	Teignmouth	9 9 9	20	52.3	40.5	46.4	-2.9	62	29,30	32	23	-	-	2.63	67	+16	23	21	11	8	2	0	0	0	0	-	5.28	-0.77	39			
	Torquay	9 9 9	27	52.3	39.5	45.9	-2.6	62	29	31	13,23	-	48.2	2.53	64	+13	28	3	8	8	0	0	0	0	8	0	5.47	-0.66	40			
Cornwall.	Falmouth Obs.	9 9 9	167	52.1	41.2	46.7	-2.2	60	28	34	13,23	48.9	49.8	2.65	67	0	20	3	15	11	1	0	3	0	1	7	-	5.51	-0.76	40		
	Fowey	9 9 9	51	53.7	39.6	46.7	-2.8	62	29	32	14,16,23	-	-	2.09	53	-	18	3	12	10	0	0	1	0	1	-	5.34	-0.76	39			
	Gulval	9 9 9	20	52.7	38.8	45.7	-	60	30	31	13	-	-	2.80	71	-	17	3	12	10	1	0	4	0	-	14	-	5.43	-	40		
	The Lizard	18-7 7	240	50.6	41.0	45.8	-	60	29	35	7,13,17	-	-	2.13	54	-	18	3	12	10	0	0	2	2	0	-	-	-	-	-	-	
	Newquay	9 9 9	190	50.1	40.2	45.1	-2.0	59	28	32	13,14,23	47.5	48.0	1.75	45	-6	14	3	12	11	0	0	2	0	0	-	5.98	-0.02	44			
	Redruth	9 9 9	397	49.9	39.0	44.5	-2.0	60	28	31	14	-	-	2.87	73	0	22	3	15	12	1	0	3	1	0	16	0	-	-	-	-	-
9. IRELAND, N.																																
Sligo.	Markree Cas.	2121 9	122	52.6	33.9	43.3	-2.0	59	25,28	24	13,19	46.2	45.6	1.25	32	-36	14	23	12	8	1	0	4	0	0	-	4.91	-0.14	35			
Mayo.	Blacksod Pt.	18-7 7	18	50.2	41.3	45.7	-	55	10	36	4,16,21	-	-	2.26	57	-17	13	23	12	10	1	0	0	0	0	-	-	-	-	-	-	-
	Mallaranny	9 9 9	113	52.2	38.9	45.5	-0.8	58	10,29	33	13,16,22	-	-	3.65	93	-	20	21	14	12	-	-	-	-	-	-	-	4.66	-0.39	34		
Donegal.	Malin Head	18-7 7	84	48.0	40.2	44.1	-0.7	56	25	32	23	-	-	0.80	20	-30	8	24	7	5	0	0	4	0	0	-	7.04	+1.23	50			
Antrim.	Aldergrove	18-7 7	238	51.0	34.3	42.7	-	58	28	25	21,23	-	-	0.74	19	-35	7	23	11	6	6	1	10	1	0	18	0	5.88	-	42		
Down.	Donaghadee	8 8 8	40	50.1	38.3	44.2	-0.7	59	25	31	21	-	-	0.95	21	-30	7	23	12	7	-	-	-	-	-	-	-	6.01	-	43		
	Hillsborough	9 9 9	388	49.3	34.8	42.1	-	58	28	27	23	44.0	-	0.84	21	-	5	23	12	8	4	0	3	0	0	19	0	5.50	-	39		
Armagh.	Armagh	2121 9	204	51.8	35.4	43.6	-1.7	59	25,28,30	29	6,21,23	45.6	45.4	0.56	14	-39	3	24	12	7	3	0	1	1	0	18	0	5.65	+0.51	40		
Longford.	Newtownforbes	2121 9	154	51.8	34.2	43.0	-2.9	59	28	27	13,18	44.7	45.1	1.50	38	-23	8	21	9	8	0	0	2	0	-	-	-	-	-	-	-	
10. IRELAND, S.																																
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dublin City	2121 9	54	50.4	39.8	45.1	-2.0	60	24,28	32	17	-	-	1.98	50	+2	10	21	17	10	3	0	6	0	0	6	0	-	-	-	-	-
	" Glasnevin	2121 9	55	50.8	36.2	43.5	-2.0	62	28	28	6,19,23	-	-	1.91	49	+1	12	21	17	10	0	0	4	1	0	12	0	-	-	-	-	-
	" Phoenix Pk.	2121 9	155	50.4	36.0	43.2	-1.5	61	28	27	6,23	-	-	2.01	51	+5	13	21	16	10	3	0	5	1	0	8	-	4.06	-1.34	29		
	" Trin. Coll.	2121 9	13	50.7	39.4	45.1	-2.6	62	28	32	17	46.9	46.8	1.95	50	+3	11	21	16	9	1	0	3	0	-	6	0	-	-	-	-	-
	Hazelhatch	9 9 9	366	50.4	34.7	42.5	-	59	25,28	26	6,17	45.4	44.9	1.78	45	-	9	21	14	11	-	-	-	-	-	-	-	4.19	-	30		
	(Peamount San.)																															
	Rathfarnham	9 9 9	169	49.6	37.4	43.5	-	60	28	29	6	44.8	-	2.55	65	-	19	21	15	9	4	0	4	1	0	12	-	3.48	-	25		
Wicklow.	Newcastle	2121 9	256	50.0	37.4	43.7	-2.2	61	28	30	18	-	-	2.37	60	-	15	21	15	13	3	0	2	0	0	-	-	-	-	-	-	-
Offaly.	Birr Castle	18-7 7	173	51.7	35.2	43.5	-2.0	59	24,30	26	12,18	45.7	46.0	2.28	58	+4	15	21	14	10	2	0	2	0	0	17	0	5.02	-0.09	36		
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	50.4	37.0	43.7	-2.0	59	28,30	31	13,16,17	-	-	2.22	57	-	17	19	12	6	1	0	1	0	1	14	0	4.52	-0.92	33		
	Waterford	9 9 9	137	51.6	38.7	45.1	-2.7	60	28	30	18	-	-	1.77	45	-19	17	19	13	6	1	0	0	0	7	-	-	-	-	-	-	-
Limerick.	Foynes	9 9 9	43	53.3	38.9	46.1	-0.8	62	30	32	6	-	-	2.62	67	+5	19	21	11	7	-	-	-	-	-	-	-	-	-	-	-	-
Kerry.	Valentia Obs.	242424	30	52.0	41.9	46.9	-0.3	58	27	33	18	49.9	48.7	2.72	69	-24	21	21	16	11	0	0	4	0	0	6	1	5.65	+0.37	41		
		18-7 -	-	52.7	41.2	46.9	-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cork.	Ballinacurra	9 9 9	24	51.8	38.2	45.0	-2.6	60	28	30	18	-	-	1.79	45	-21	12	20	17	11	2	0	1	0	-	-	-	4.73	-0.74	34		
	Cork	9 9 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 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	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.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



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 5	6 to 10	11 to 15	16 to 20	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
2. ENGLAND, N.E.—cont.																																						
Durham.	Durham ..	H	9	352	1016.0	-	43.7	3.9	6.7	69	4.2	7	8	5	4	6	0	0	0	0	3	1	8	8	10	0	0	1	26	3	9	5	3	0	1	4	2	4
			21	352	1016.4	-	39.7	2.2	6.7	80	6.1	9	1	2	6	12	0	0	0	0	4	10	15	1	0	0	1	26	3	9	3	4	0	2	2	6	1	
Yorks., N. Riding	Catterick ..	H	7	186	1015.8	-	38.9	1.6	6.9	85	6.0	3	8	1	14	4	0	0	0	0	1	2	2	9	26	0	0	4	21	5	8	2	1	0	2	1	3	8
			13	186	1015.5	-	47.9	6.0	6.4	57	8.1	0	1	2	23	4	0	0	0	0	0	1	3	9	15	2	0	9	20	1	6	9	3	2	1	1	4	3
Yorks., N. Riding	Scarborough ..	H	18	186	1015.5	-	45.3	4.3	7.0	68	6.9	2	5	2	13	8	0	0	0	0	1	2	7	7	12	1	0	7	22	1	4	14	0	1	1	2	2	5
			9	96	1015.3	-	46.4	4.0	7.2	69	4.4	0	17	5	8	0	0	0	0	0	0	2	9	11	8	0	0	3	27	0	3	7	1	1	0	2	4	12
Yorks., N. Riding	York ..	H	9	53	1016.0	-	44.8	4.5	6.6	65	5.9	4	6	5	6	9	-	-	-	-	-	-	-	-	-	-	0	0	30	0	12	2	2	0	2	1	9	
			21	53	1016.3	-	42.5	2.9	7.2	76	5.4	10	4	0	3	13	-	-	-	-	-	-	-	-	-	-	0	0	30	0	10	7	2	1	2	3	1	4
Yorks., E. Riding	Spurn Head ..	H	1	28	1014.1	-	41.6	1.0	8.3	91	6.2	3	6	5	10	6	0	0	0	0	1	0	2	9	18	0	0	20	10	0	5	6	4	1	1	2	2	9
			7	28	1014.6	+1.2	41.3	1.2	7.8	89	6.4	1	8	2	14	5	0	0	0	0	1	2	5	13	9	0	0	18	12	0	3	7	4	0	1	3	3	9
Yorks., E. Riding	Spurn Head ..	H	13	28	1015.1	-	47.3	3.2	8.3	75	7.0	0	2	7	19	2	0	0	0	1	0	3	20	6	0	0	16	14	0	5	13	4	3	1	0	2	2	2
			18	28	1014.7	-	44.6	2.0	8.2	84	7.0	0	5	6	14	5	0	0	0	1	0	0	20	9	0	0	20	9	1	7	8	5	2	1	2	2	2	
Lincoln.	Cranwell ..	H	7	243	1015.3	-	38.3	1.2	7.1	89	6.2	3	8	1	10	8	0	1	0	4	1	4	16	4	0	0	6	20	4	6	2	0	0	0	0	3	5	
			13	243	1015.3	-	48.1	5.5	7.0	62	7.7	0	0	9	12	9	0	0	0	0	0	10	15	5	0	0	17	13	0	5	8	2	1	1	3	3	7	
			18	243	1015.1	-	45.8	4.3	7.2	68	7.5	1	3	4	13	9	0	0	0	1	0	0	12	9	8	0	0	10	20	0	8	8	2	3	1	2	4	2
3. ENGLAND, E.																																						
Norfolk.	Cromer ..	H	9	74	1014.8	-	44.7	2.8	7.9	78	6.7	1	1	14	9	5	0	0	0	0	0	1	8	20	1	0	0	15	15	0	12	7	0	2	2	1	2	4
			1	26	1014.0	-	41.5	1.9	7.3	83	6.9	4	2	4	11	9	0	0	1	0	0	1	8	19	1	0	0	14	15	1	4	6	0	0	5	4	4	6
Norfolk.	Yarmouth ..	H	7	26	1014.2	+0.5	41.1	1.8	7.3	83	7.7	0	5	2	13	10	0	1	0	2	0	16	11	0	0	0	13	17	0	4	5	0	1	3	2	7	8	
			13	26	1014.7	-	46.9	4.4	7.4	67	6.9	0	3	9	13	5	0	0	0	0	1	0	13	16	0	0	0	20	10	0	14	4	1	4	0	2	0	5
			18	26	1014.4	-	45.4	3.5	7.3	72	7.2	1	2	6	18	3	0	0	1	1	0	0	12	16	0	0	0	18	12	0	10	4	3	4	0	1	0	8
Suffolk.	Felixstowe Aero.	H	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Suffolk.	Mildenhall	H	7	21	1014.6	-	40.4	1.4	7.5	88	6.9	3	3	4	9	11	0	0	2	0	2	7	4	6	9	0	0	5	23	2	6	7	3	0	2	2	2	6
			13	21	1014.8	-	49.2	5.7	7.2	60	7.7	0	4	15	7	0	0	0	0	0	1	0	13	16	0	0	0	17	13	0	6	7	6	1	2	1	2	5
			18	21	1014.4	-	47.6	5.1	7.2	63	6.3	0	11	3	7	9	0	0	0	0	1	0	11	17	1	0	0	13	17	0	6	11	3	2	2	2	2	
Cambridge.	Cambridge	H	9	43	1015.4	+1.0	45.3	2.7	8.3	80	7.0	3	5	4	3	15	-	-	-	-	-	-	-	-	-	0	5	25	0	4	9	2	3	1	2	2	7	
			21	43	1014.9	+0.7	41.7	1.3	8.2	90	5.4	12	0	3	2	13	-	-	-	-	-	-	-	-	-	0	1	27	2	7	6	3	2	4	0	2	4	
Hertford.	Rothamsted ..	H	9	396	1014.6	-	43.4	3.0	7.1	75	7.4	0	5	4	12	9	0	0	0	1	0	2	27	0	0	0	6	23	1	12	9	1	0	1	2	1	3	
Essex.	Shoeburyness	H	7	12	1014.5	-	42.2	1.9	7.6	83	7.0	4	3	4	7	12	0	0	0	0	2	4	8	6	9	1	0	5	24	1	7	4	1	0	1	2	5	10
			13	12	1014.7	-	48.6	4.7	7.8	66	8.2	0	1	5	15	9	0	0	0	0	0	5	4	20	1	0	9	21	0	4	8	3	2	3	3	1	6	
			18	12	1014.3	-	45.5	3.3	7.8	75	6.7	0	6	6	14	4	0	0	0	0	0	1	14	14	1	0	8	22	0	4	8	6	3	1	2	5	1	
4. MIDLAND COUNTIES.																																						
Yorks., W. Riding	Harrogate ..	H	9	478	1015.9	-	42.6	3.7	6.5	69	6.7	0	8	3	10	9	0	0	0	0	4	2	9	10	5	0	0	30	0	8	5	3	1	1	3	7	2	
			9	215	1015.0	-	43.9	4.0	6.6	68	6.2	1	5	6	8	10	0	0	2	1	8	4	15	0	0	0	4	26	0	7	9	1	2	0	2	3	6	
Warwick.	Birmingham	H	7	542	1015.9	-	39.2	1.9	6.9	83	6.5	5	44	1	11	9	0	0	1	0	7	9	8	2	3	0	0	3	27	0	6	6	2	1	0	3	4	8
			13	542	1015.3	-	46.3	5.8	6.1	57	7.7	0	1	7	18	4	0	0	0	0	3	10	12	0	5	0	0	6	24	0	5	9	3	2	1	1	3	5
			18	542	1014.9	-	45.6	5.1	6.4	61	5.2	0	11	6	6	7	0	0	0	0	1	7	17	1	4	0	0	10	20	0	5	9	4	1	1	2	2	6
Oxford.	Oxford ..	H	9	212	1015.7	+0.8	44.0	3.7	6.8	70	7.2	1	7	1	8	13	0	0	0	0	4	10	3	13	0	0	8	22	0	8	8	2	2	0	4	1	5	
Shropshire.	Shrewsbury	H	9	186	1015.6	-	44.7	3.9	7.0	69	6.7	0	2	14	5	9	0	0	0	1	0	5	1	23	0	0	11	17	2	6	4	5	2	0	2	4	5	
Hereford.	Ross-on-Wye	H	7	226	1015.5	-	40.7	2.2	7.1	80	7.1	0	8	2	5	15	0	0	0	2	4	5	9	9	1	0	2	27	1	9	6	3	0	1	4	4	2	
			13	226	1014.9	-	48.2	5.5	7.0	61	7.8	0	2	6	12	10	0	0	0	2	0	7	7	10	4	0	9	21	0	6	7	6	2	0	3	4	3	
			18	226	1014.4	-	46.6	4.7	7.0	65	6.3	0	8	7	6	9	0	0	0	1	1	7	8	10	3	0	5	25	0	5	7	4	1	2	1	4	5	
			21	226	1015.4	-	42.2	2.9	7.0	76	5.9	5	6	3	4	12	0	0	0	0	2	13	4	7	4	0	2	26	2	6	9	3	0	2	3	4	0	
Gloucester.	Cheltenham	H	9	230	1016.0	-	44.6	3.7	7.1	71	7.6	0	2	10	5	13	0	0	0	1	10	1	9	9	0	0	0	30	0	5	6	3	0	1	2	4	9	
9	230	1015.8	-	42.5	2.5	7.4	79	7.0	0	6	7	6	11	0	0	0	0	1	1	4	17	7	0	0	0	1	29	0	5	6	2	0	1	2	3	11		
5. ENGLAND, S.E.																																						
London.	gGreenwich	H	9	152	1015.1	+0.4	45.6	3.6	7.6	72	8.1	1	3	3	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

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
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	7	22	1	6	7	0	1	1	5	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	12	18	0	6	9	1	2	3	1	3	5
			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	9	19	2	8	8	1	0	2	3	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	6	24	0	5	9	1	0	1	2	4	8	
			13	—	—	-	48.5	4.3	8.2	69	7.9	0	0	5	19	6	0	0	1	1	1	0	3	24	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	3	5	22	0	0	0	13	17	0	3	13	2	0	2	5	2	3	
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	13	11	5	0	0	11	19	0	7	8	1	0	1	4	0	9	
			7	345	1014.8	-	40.5	1.8	7.4	84	6.8	3	5	3	9	10	0	0	1	0	5	12	8	4	0	0	9	20	1	8	8	1	1	0	3	3	5	
			13	345	1014.7	-	46.5	4.5	7.2	68	7.8	0	4	5	13	8	0	0	0	0	1	5	11	9	4	0	0	18	12	0	10	8	0	2	1	5	1	3
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	
			1	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	
			7	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	0	14	16	0	7	9	0	0	2	6	3	3
Kent.	Tunbridge Wells ..	..	13	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	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	6	
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	9	21	0	3	9	8	0	2	1	5	2	
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	8
			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	7
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	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	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	1	28	1	8	10	2	1	0	1	2	5	
			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	6
			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	5
Hampshire.	S. Farnborough	H	13	256	1014.8	-	49.6	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	6.9	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	1014.6	-	46.9	3.6	8.3	75	7.0	1	4	7	9	9	-	-	-	-	-	-	-	-	-	-	0	8	22	0	7	6	8	0	0	1	5	3
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	11	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	8	8	13	2	0	0	7	23	0	10	5	3	1	1	2	1	7
			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	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	3	2	17	8	0	0	0	12	16	2	8	7	3	0	1	3	2	4
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	4
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	3	8	
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	4
			13	83	1015.6	-	46.6	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	7
			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	8
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	6	0	
			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	2	6
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	1	7	15	0	0	16	14	0	8	5	4	3	2	1	3	4
			13	37	1015.7	+1.6	48.5	5.4	7.2	61	6.3	0	10	1	12	7	0	0	0	0	1	3	6	2														



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	2	3	4	5	6	7	8	9	FOG			Mist	Poor Vis.	Med. Vis.	Good Visibility	8 or more	4	5	6	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																				0	1	2																	
8a. SOUTH WALES—cont.																																							
Radnor.	Llandrindod Wells	9	725	1015.6	-	42.8	3.5	6.7	71	6.5	1	3	12	5	9	0	0	0	0	0	0	6	16	8	0	0	7	23	0	3	10	7	1	0	2	3	4		
	Rhayader ..	9	—	—	-	42.2	3.3	6.5	72	7.0	0	4	10	5	11	0	0	0	0	2	0	5	5	19	0	0	0	30	0	8	3	5	1	1	3	5	4		
Glamorgan.	Cardiff ..	9	216	1015.6	-	44.7	3.3	7.5	74	7.6	1	5	2	9	13	0	0	0	1	1	6	11	6	5	0	0	9	21	0	5	13	6	0	0	1	5	0		
		21	216	1015.4	-	42.3	2.3	7.3	80	3.5	17	2	2	0	9	0	0	0	0	0	0	22	8	0	0	0	5	25	0	2	7	5	1	1	2	6	6		
8b. ENGLAND, S.W.																																							
Somerset.	Bath ..	9	113	1015.2	-	45.8	3.1	8.0	76	7.6	0	6	3	5	16	0	0	0	0	0	3	13	8	6	0	0	11	18	1	7	5	7	3	0	2	1	4		
Dorset.	Holton Heath H	9	58	1015.0	-	46.4	3.8	7.9	72	7.2	1	3	7	5	14	0	0	0	0	2	4	7	10	7	0	0	21	9	0	7	9	5	3	1	1	1	3		
		15	58	1014.5	-	49.1	5.1	7.6	64	6.5	1	6	7	7	9	0	0	0	0	0	3	13	8	6	0	0	21	7	2	6	9	3	2	1	3	2	2		
		1	37	1014.0	-	42.8	1.6	8.1	87	5.9	6	4	4	5	11	0	0	0	2	0	0	1	22	5	0	0	14	16	0	5	9	7	1	0	1	4	3		
Dorset.	Portland Bill ..	7	37	1014.2	+0.6	43.4	1.9	7.9	84	7.2	3	3	1	14	9	0	0	0	0	0	0	1	21	8	0	0	16	14	0	7	9	4	2	1	1	2	4		
		13	37	1014.5	-	47.7	2.5	9.3	81	7.7	0	2	5	13	10	0	0	0	1	0	0	1	21	7	0	0	19	11	0	4	5	4	2	1	3	7	4		
		18	37	1013.7	-	46.8	2.4	9.0	81	6.8	3	3	5	9	10	0	0	0	0	0	2	20	8	0	0	16	14	0	6	6	5	0	1	3	4	5			
Devon.	Moretonhampstead	9	801	1015.2	-	42.3	2.5	7.4	79	8.0	0	4	3	10	13	0	0	0	0	1	1	7	3	17	1	0	10	20	0	7	7	4	2	2	1	1	6		
		15	801	1014.2	-	46.1	4.1	7.4	69	7.8	0	3	5	14	8	0	0	0	1	1	0	3	1	23	1	0	15	13	2	7	7	4	1	1	2	2	4		
Devon.	Plymouth H	7	27	1014.9	-	42.5	1.9	7.9	80	8.0	2	8	3	12	5	0	0	0	1	1	4	9	15	0	0	10	18	2	6	6	4	0	1	2	2	7			
	(Mount Batten) ..	13	27	1014.8	-	48.4	4.5	7.9	68	8.1	0	1	7	15	7	0	0	0	1	2	2	4	20	1	0	22	8	0	5	4	7	2	2	4	1	5			
		18	27	1014.1	-	48.4	4.2	8.2	70	6.7	0	6	7	10	7	0	0	0	0	3	5	5	17	0	0	17	13	0	7	2	7	2	1	5	2	4			
		1	240	1014.7	-	43.4	1.7	8.0	85	5.6	0	13	5	6	6	0	2	0	1	0	1	4	22	0	0	18	12	0	7	7	3	1	0	3	3	6			
Cornwall.	The Lizard ..	7	240	1014.8	-	43.6	1.4	8.7	88	6.9	0	7	5	9	9	0	0	0	2	0	4	4	20	0	0	20	10	0	9	5	2	3	0	2	4	5			
		13	240	1014.7	-	48.6	3.1	9.1	77	8.0	0	2	6	12	10	0	0	0	3	0	2	6	19	0	0	22	8	0	5	8	3	0	4	2	3	5			
		18	240	1014.6	-	47.1	2.8	8.7	79	6.6	0	4	11	7	8	0	0	0	2	3	0	1	5	19	0	0	20	10	0	6	7	4	0	2	4	3	4		
Cornwall.	Newquay ..	9	161	1015.1	-	46.4	2.4	8.6	81	6.9	1	5	6	5	13	0	0	0	1	4	9	15	1	0	0	7	23	0	6	3	8	3	3	2	4	1			
9. IRELAND, N.																																							
Sligo.	Markree Castle ..	9	127	1017.5	-	45.3	2.6	8.0	79	5.8	4	4	9	4	9	0	0	0	0	0	4	9	17	0	0	1	19	10	6	2	3	2	2	1	1	3			
		21	127	1017.1	-	44.9	2.6	8.0	79	5.9	2	7	9	5	7	0	0	0	0	0	1	4	25	0	0	2	22	6	6	5	5	1	2	1	0	4			
		1	28	1016.6	-	43.9	1.8	8.4	85	4.4	4	6	14	3	3	0	0	0	0	0	0	17	13	0	0	17	9	4	6	4	6	2	1	2	5	0			
Mayo.	Blacksod Point ..	7	28	1016.5	-	44.5	2.0	8.5	84	6.9	1	3	11	7	8	0	0	0	0	0	1	13	16	0	0	15	15	0	4	6	9	2	1	3	4	1			
		13	28	1016.6	-	48.2	2.7	9.1	79	6.3	0	4	12	11	3	0	0	0	0	0	2	10	17	1	0	19	11	0	6	6	6	1	2	1	6	2			
		18	28	1016.4	-	48.0	2.9	8.9	78	5.8	2	6	8	9	5	0	0	0	0	0	2	12	15	1	0	23	7	0	7	9	2	1	1	3	4	3			
		1	87	1016.2	-	43.1	1.1	8.5	91	4.9	1	12	6	11	0	0	0	0	0	3	16	11	0	0	10	18	2	8	4	1	1	7	1	5	1				
Donegal.	Malin Head ..	7	87	1016.3	+4.5	43.0	1.2	8.4	90	6.4	0	7	6	17	0	0	0	0	0	6	12	12	0	0	9	20	1	5	4	3	3	3	5	3	3				
		13	87	1016.5	-	46.6	1.8	9.5	86	5.7	1	10	4	13	2	0	0	0	0	5	9	16	0	0	12	18	0	8	4	6	1	2	2	4	3				
		18	87	1016.2	-	46.2	1.5	9.3	88	5.7	0	11	5	11	3	0	0	0	0	7	8	15	0	0	10	20	0	10	5	3	0	3	2	4	3				
		7	245	1016.7	-	38.3	1.1	7.1	89	6.3	1	7	6	12	4	0	0	0	0	1	5	10	12	2	0	6	24	0	8	3	7	3	3	4	2	0			
Antrim.	Aldergrove H	13	245	1016.3	-	48.1	4.7	7.7	66	7.6	0	2	6	16	6	0	0	0	0	5	4	17	4	0	21	8	1	6	5	5	1	1	3	4	4				
		18	245	1016.0	-	47.4	4.8	7.5	66	6.0	3	6	6	8	7	0	0	0	0	2	7	17	4	0	17	12	1	10	3	4	3	0	3	0	5				
Armagh.	Armagh ..	9	209	1016.5	+3.5	44.8	3.0	7.7	76	6.5	1	5	7	7	10	0	0	0	0	1	5	22	2	0	3	27	0	5	8	3	3	1	5	4	1				
		21	209	1016.5	+3.5	41.4	1.8	7.8	83	4.4	13	3	0	7	7	0	0	0	0	6	12	12	0	0	1	28	1	8	6	3	2	1	2	5	2				
10. IRELAND, S.																																							
Dublin.	Glasnevin ..	9	56	(1017.0)	-	45.0	3.0	7.7	76	7.0	2	0	12	5	11	0	0	0	0	4	8	6	2	10	0	0	3	27	0	2	6	5	4	2	0	5	6		
		21	56	(1016.8)	-	43.4	2.2	7.8	81	4.9	8	0	12	3	7	0	0	0	0	3	7	3	2	15	0	0	3	27	0	0	9	6	2	1	0	7	5		
		7	193	1016.7	+3.0	38.2	0.6	7.3	94	7.1	4	2	3	11	10	0	0	0	0	0	7	0	4	26	0	0	0	28	2	3	9	2	1	5	1	3	4		
Offaly.	Birr Castle ..	13	193	1016.2	-	49.2	4.4	8.1	69	8.3	0	1	4	16	9	0	0	0	0	0	0	4	26	0	0	0	30	0	3	7	5	2	3	2	6	2			
		18	193	1015.8	-	49.3	4.6	7.9	67	7.7	0	2	6	14	8	0	0	0	0	0	0	5	25	0	0	0	30	0	3	8	5	2	1	2	7	2			
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1016.2	-	44.2	2.4	7.9	80	6.9	3	3	5	8	11	0	0	0	1	0	5	4	14	5	0	10	19	1	6	2	6	0	2	3	2	8			
		21	521	1016.7	-	41.5	1.9	7.8	83	4.7	7	7	6	4	6	0	0	0	0	1	4	7	9	0	5	18	7	4	2	4	0	3	1	5	4				
		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.

**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 " " 3½ "
7	" 3½ " " 4½ "
8	" 4½ " " 5½ "
9	" 5½ " " 10 "

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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## 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  $-0.2^{\circ}\text{F.}$  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

$54^{\circ}\text{F.}$  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  $80^{\circ}\text{F.}$  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,  $36^{\circ}\text{F.}$  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  $24^{\circ}\text{F.}$ ) 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)  $80^{\circ}\text{F.}$  at Tunbridge Wells on the 17th and at Camden Square (London) and Reading on the 18th,  $22^{\circ}\text{F.}$  at Houghall on the 3rd; (Scotland)  $73^{\circ}\text{F.}$  at Ardtornish and Ruthwell on the 10th,  $26^{\circ}\text{F.}$  at Dalwhinnie on the 1st; (Ireland)  $73^{\circ}\text{F.}$  at Cork on the 26th and  $32^{\circ}\text{F.}$  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
Eastern.									
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	- 6	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 1-10	80	22	+0.5	+0.2	+0.2	51	- 5	101	38

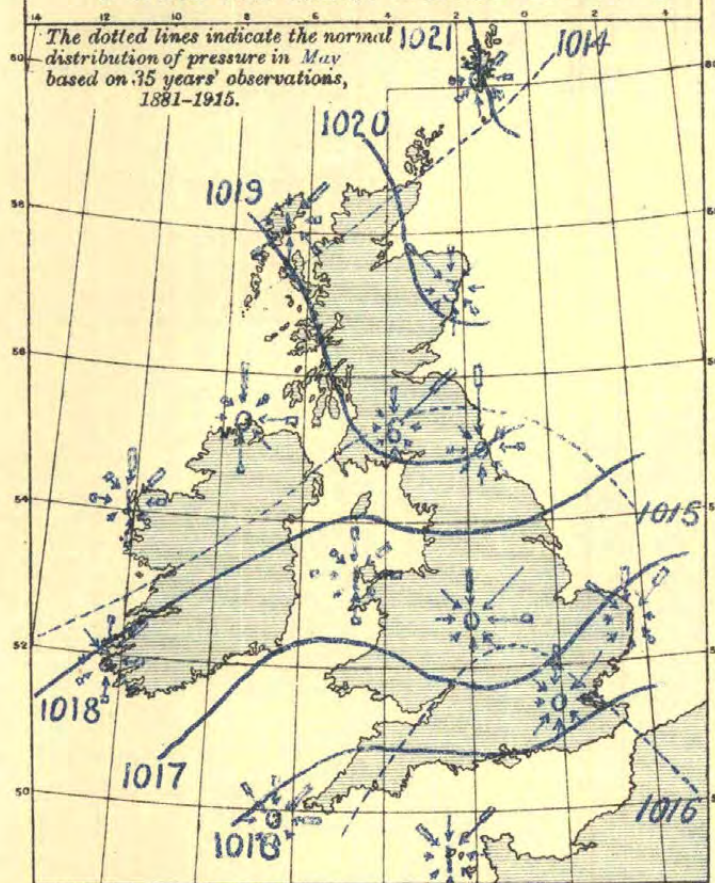
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— MAY, 1936

[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				
													mi/hr.			m/s.	day hr.		mi/hr.	m/s.	d.	h.
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	56	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	08	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	14	24	11	-	-	-	-	-	
Clare. Quilty ..	100	40	32	-	0	0	0	193	404	147	0	-	24	11	14	17	35	16	22	21	00	
Kerry. Valentia Observatory	98	41	33	-	0	4	15	324	315	90	0	190	33	15	14	20	57	26	14	21	05	
Cork. Cork ..	132	71	40	-	0	0	0	53	300	358	33	-	19	9	23	12	39	17	14	20	00	
11. SCILLY ISLES.																						
St. Mary's ..	230	65	57	-	0	9	45	389	300	10	0	40	33	15	24	07	47	21	24	00	45	



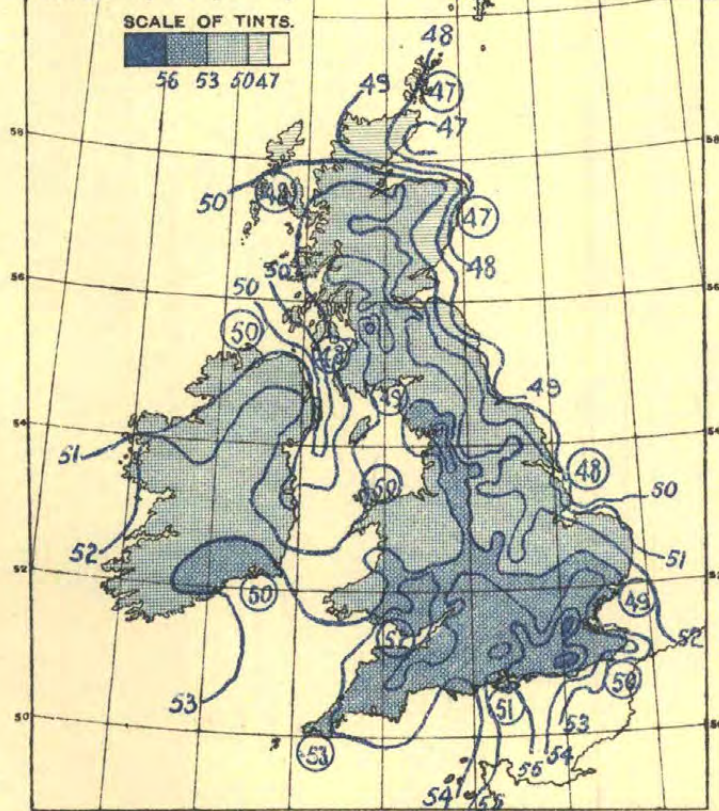
1. WIND AND MEAN PRESSURE. 7 A.M.\*



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

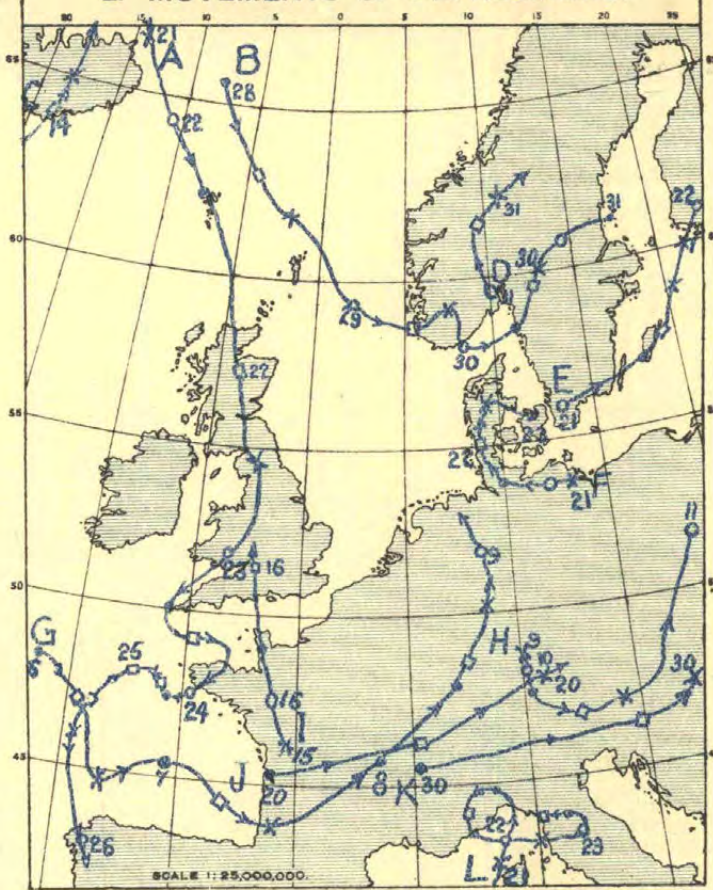
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



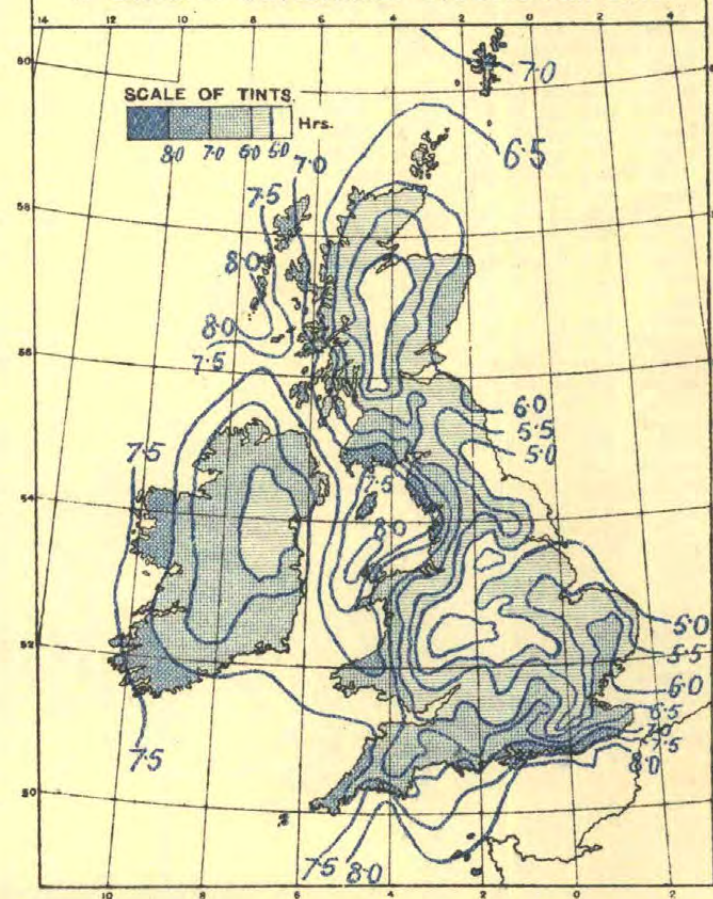
Sea temperatures are shown in large figures, thus: 50

2. MOVEMENTS OF DEPRESSIONS.



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

4. BRIGHT SUNSHINE. HOURS PER DAY.





Ps 478/3097 We.22A, D.17. Sp.908, 925. 6/36.

The equivalent values in mm are given in round numbers. The exact relation is  $10\text{ in} = 254\text{ mm}$ . 1 mm



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				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												1 ft.	4 ft.		Amount	Date	0.2 mm. or more	1 mm. or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average
0. SCOTLAND, N.		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%							
Shetland.	Baltasound	9 9 9	31	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	18-7 7	156	49.6	43.4	46.5	+2.3	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	-	0	6.26	+0.94	37							
	Kirkwall	9 9 9	113	53.2	43.2	48.2	+2.1	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	-	-	-	-	-	-							
	Stornoway (C.G.)	18-7 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							
	Stornoway	- 9 9	30	-	-	-	-	-	-	-	-	-	-	1.10	28	-37	4	16	15	12	-	-	-	-	-	-	-	-	-							
Skye.	Duntulm	9 9 9	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							
Caithness.	Wick	18-7 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	-	-	-							
Ross &	Achnashellach	9 9 9	225	60.0	42.5	51.3	-	71	10.11	30	30	-	1.80	48	-68	4	13.18	15	14	0	0	0	0	0	-	-	-	-	-							
Cromarty.	Fortrose	9 9 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 7	1176	55.9	38.3	47.1	-	67	10.28	26	1	-	1.08	27	-	5	17.22	13	10	0	0	2	0	0	13	1	4.82	-	28							
	Ft. Augustus	9 9 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							
	Ft. William	9 9 9	34	(60.1)	43.5	(51.8)	(+1.8)	67	10.20.26	33	13	51.5	48.0	2.09	53	-44	15	16	10	10	0	0	0	0	4	0	5.59	-	34S							
	Inverness	9 9 9	242	57.4	43.2	50.3	+0.8	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	9 9 9	20	56.7	43.2	49.9	+0.8	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							
Moray.	Forres	9 9 9	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							
	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.	Banff	9 9 9	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	1	0	1	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	18-7 7	927	55.4	37.7	46.5	0.0	67	11.19	27	4	-	1.84	42	-17	10	26	13	10	0	0	1	1	-	8	0	-	-	-							
	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	9 9 9	300	53.9	41.5	47.7	-	61	19.28	36	31	48.4	44.9	1.31	33	-31	9	22	12	9	0	0	2	1	-	0	6.58	-	40							
	Logie Coldstone	9 9 9	608	56.8	38.8	47.6	0.0	68	11	27	4	-	1.47	37	-26	8	12	17	12	0	0	0	0	0	7	-	-	-	-							
Kincairdine.	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	1.21	31	-24	8	17	14	8	0	0	1	0	0	0	-	-	-	-							
	Stonehaven	9 9 9	12	55.4	42.0	48.7	-	64	19	34	2.3	-	1.38	35	-	10	17	14	9	0	0	2	0	2	-	0	6.37	-	39							
Angus.	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	0	6.65	-	41							
	Carnoustie	9 9 9	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	9 9 9	147	57.2	43.2	50.2	+2.1	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	9 9 9	218	59.3	41.8	50.5	+2.4	68	19	32	10	53.3	-	0.46	12	-56	3	17	10	3	0	0	0	1	0	7	1	-	-							
	Montrose	9 9 9	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.	Griff	2121 9	478	58.2	41.1	49.7	+0.8	69	11	33	31	-	1.45	37	-26	15	17	15	6	0	0	2	0	-	0	-	-	-	-							
	Perth	9 9 9	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	9 9 9	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	9 9 9	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	18-7 7	190	54.8	44.1	49.5	+0.8	60	2	40	31	-	0.57	15	-28	4	29	11	5	0	0	0	2	3	1	0	5.75	-	35							
	Kirkcaldy	9 9 9	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	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	9 9 9	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	0	1	4	0	0	5.77	+0.48	36S							
	Boghall	9 9 9	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	9 9 9	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.	9 9 9	225	56.9	43.5	50.2	-	67	16	35	1.4	52.7	48.2	0.95	24	-	15	29	14	5	-	-	-	-	-	-	-	-	-							
E. Lothian.	Dunbar	9 9 9	75	53.5	43.8	48.7	-	62	14	37	31	-	1.32	33	-	9	29	10	5	0	0	0	0	5	1	0	5.93	-	37							
	N. Berwick	9 9 9	118	56.1	43.1	49.6	-	63	19	37																										



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 Number of days										BRIGHT SUNSHINE			
				Means of		Difference from Average	Absolute Maximum and Minimum				Total Fall			Difference from Average	Most in a day	Precip'n	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Hours per day		Per Cent.						
				A Max.	B Min.		Maximum	Date	Minimum	Date		1 ft.	4 ft.										in.	mm.		mm.	mm.	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.															hr.	hr.	%			
6b. ISLE OF MAN.		G.M.T.		°F.	°F.	°F.	°F.	°F.		°F.	°F.			in.	mm.	mm.	mm.									hr.	hr.	%			
Isle of Man. Douglas ..		9 9 9	284	57.5	45.3	51.4	+1.0	69	18	40	2	-	-	3.11	79	+15	28	16	12	8	0	0	2	2	0	0	7.62	+0.93	48		
Point of Ayre ..		18-7 7	30	57.3	45.6	51.5	-	62	26	36	1	-	-	3.32	84	-	30	16	10	7	0	0	1	1	0	-	7.73	-	49		
2. ENGLAND, N.E.																															
Northumberland. Berwick-on-T. ..		9 9 9	76	52.1	43.4	47.7	-	60	15,29	38	1	-	-	0.85	22	-24	11	24	10	5	0	0	1	1	1	0	-	6.13	-	38	
Bellingham ..		9 9 9	849	58.1	40.2	49.1	+0.7	68	11,18	32	1	-	-	2.00	51	-10	24	17	10	6	0	0	0	1	1	-	-	-	-		
Cockle Park ..		2121 9	325	56.2	41.5	48.9	+0.6	66	18	32	22	50.1	48.1	1.50	38	-18	23	24	13	7	0	0	0	1	6	2	-	5.43	-0.19	34	
Tynemouth ..		18-7 7	108	50.5	44.7	47.6	-1.5	57	12,14	38	31	-	-	1.75	45	-6	28	24	12	6	0	0	0	0	3	0	-	-	-	-	
Durham. Chopwellwood ..		9 9 9	446	57.2	41.6	49.5	+0.2	67	11	33	1	-	-	2.39	61	+7	26	24	14	7	0	0	1	0	3	-	4.93	-0.46	31		
Durham ..		2121 9	336	57.0	42.2	49.6	+0.3	67	15	33	1,3,22	-	-	1.67	42	-7	21	24	14	9	0	0	0	0	1	6	0	4.93	-0.35	31	
Houghall ..		9 9 9	160	59.0	41.5	50.3	-	70	15	22	3	-	-	1.70	43	-	21	24	11	8	0	0	1	0	0	6	0	4.68	-	29	
Ushaw College ..		9 9 9	594	56.2	42.4	49.3	0.0	66	18	35	31	-	-	2.25	57	+2	24	24	16	10	0	0	0	0	3	-	-	-	-	-	
Yorks., Ampleforth ..		9 9 9	313	57.2	43.1	50.1	-0.6	67	15	34	1	-	-	1.60	41	-	14	24	11	7	0	0	0	2	0	6	-	5.58	-	35	
N. Riding. Castleton ..		9 9 9	450	56.2	41.2	48.7	-	67	17	24	1	49.9	-	1.94	40	-	15	24	13	11	0	0	0	0	1	3	-	-	-	-	
Catterick ..		18-7 7	175	57.7	42.5	50.1	-	71	18	32	1	-	-	1.69	40	-	19	24	11	7	0	0	0	0	2	4	0	5.06	-	32	
Scarborough ..		9 9 9	118	54.9	44.3	49.6	-1.0	62	14,15	39	1	-	50.7	2.04	52	+4	16	24	13	9	0	0	1	0	3	0	0	4.71	-1.16	30	
York ..		2121 9	57	59.7	44.1	51.9	-0.5	70	11,15,18	35	22	52.1	48.6	1.31	33	-18	13	24	11	7	0	0	0	0	-	0	5.77	+0.72	36		
Yorks., Hull ..		2121 9	8	57.4	45.6	51.5	-0.1	68	14	37	1,2	52.8	48.0	1.38	35	-14	10	30	12	5	0	0	1	0	2	2	-	4.67	-	31	
E. Riding. Spurn Head ..		18-7 7	29	54.0	45.6	49.8	-0.7	66	14	41	1	-	-	1.67	42	-4	23	30	10	5	0	0	1	0	4	-	0	5.17	-0.96	33	
Lincoln. Cranwell ..		18-7 7	240	60.6	43.1	51.9	+0.6	77	16	33	2	52.5	50.4	0.73	19	-27	8	13	11	4	0	0	1	2	4	2	0	5.65	-0.99	36	
Cleethorpes ..		9 9 9	23	54.5	45.6	50.1	-	67	14	39	1,2,31	-	-	1.63	41	-	23	30	9	7	0	0	0	1	1	0	-	5.16	-	33	
Skegness ..		9 9 9	15	53.5	44.8	49.1	-1.8	62	14	35	1	-	-	1.18	30	-13	8	29	11	8	1	0	1	1	1	-	-	5.44	-1.31	34	
3. ENGLAND, E.																															
Norfolk. Cromer ..		9 9 9	178	54.5	45.3	49.9	-2.0	71	15	38	29	-	-	1.43	36	-6	17	30	14	8	0	0	1	0	2	0	0	4.95	-1.70	32	
Hunstanton ..		9 9 9	105	56.9	45.6	51.3	-	72	16	39	2	-	-	1.76	45	-	25	30	12	7	0	0	0	0	0	-	-	5.81	-	37	
Norwich ..		9 9 9	110	59.7	45.3	52.5	-1.3	71	15	34	29	53.4	-	0.69	17	-	11	30	8	3	0	0	2	0	-	1	-	6.18	-0.94	39	
Sprowston ..		9 9 9	93	58.5	44.5	51.5	-	69	15,17	32	29	-	-	0.65	17	-	9	30	11	4	1	0	0	0	0	10	-	6.31	-	40	
Terrington ..		9 9 9	13	61.0	44.6	52.8	-	75	6,16	34	2	-	-	1.25	32	-	21	30	11	5	0	0	1	0	0	0	-	5.91	-	38	
Thetford ..		9 9 9	99	61.4	42.6	52.1	-	75	6	29	2	54.1	50.8	1.42	36	-	17	16	11	7	0	0	0	1	0	5	-	6.22	-	40	
(Lynford Nursery)																															
Yarmouth ..		18-7 7	5	54.4	46.6	50.5	-1.0	62	14	37	29	53.9	50.5	0.70	18	-26	14	30	6	3	0	0	0	0	1	0	0	5.28	-2.10	34	
Suffolk. Bungay (Flix'n) ..		9 9 9	79	60.7	44.5	52.6	-0.3	70	14,15,17	34	29	-	-	1.09	28	-	21	30	7	5	0	0	0	2	0	1	-	-	-	-	
Copdock ..		9 9 9	164	61.3	44.6	53.1	+0.1	74	6	34	29	54.6	50.9	0.92	23	-	14	30	8	4	0	0	1	3	0	1	-	5.72	-1.43	37	
Felixstowe ..		18-7 7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hartest ..		9 9 9	250	61.6	44.0	52.6	-	75	6	30	29	-	-	1.36	35	-	10	30	10	6	0	0	0	0	0	1	-	6.23	-	40	
Lowestoft ..		9 9 9	82	56.1	45.7	50.9	+0.4	65	14	34	29	54.5	51.6	0.74	19	-22	15	30	7	2	0	0	0	0	2	1	-	5.26	-1.84	34	
Mildenhall ..		18-7 7	19	62.0	44.6	53.4	-	76	6	35	29	-	-	0.81	21	-	7	30	9	4	0	0	0	1	2	2	0	5.92	-	38	
Cambridge. Cambridge ..		2121 9	41	62.0	44.6	53.3	-0.1	76	6	31	29	54.7	51.3	1.07	27	-18	12	30	7	4	0	0	0	1	0	2	0	5.46	-1.11	35	
(Bot. Gdns.)																															
(Univ. Farm) ..		9 9 9	78	62.0	44.1	53.1	-	75	6	34	29	-	-	0.93	24	-	9	30	9	4	0	0	0	0	0	1	0	-	5.72	-	37
Bedford. Luton ..		9 9 9	381	61.0	43.2	52.1	+0.4	74	18	31	29	54.9	49.8	0.50	13	-	7	22	6	3	0	0	0	2	2	4	-	5.02	-1.51	32	
Woburn ..		9 9 9	291	61.3	42.7	52.0	-0.3	75	18	32	1	55.7	50.9	1.25	32	-17	15	22	8	4	0	0	0	3	1	4	-	5.22	-0.66	33	
Hertford. Rickmansworth ..		9 9 9	192	65.4	37.8	51.6	-	78	18	24	29	55.3	50.2	0.56	14	-	8	22	5	4	0	0	0	2	0	15	0	6.20	-	40	



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 Number of days										BRIGHT SUNSHINE				
				Means of		Difference from Average	Absolute Maximum and Minimum				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					Amount	Date								Daily Mean	Difference from Average							
		Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	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.		G.M.T.																														
Nottingham cont.	Nottingham	999	192	60.2	45.3	52.7	+0.3	75	16	37	1,31	51.3	48.8	0.69	23	-24	10	30	8	4	-	-	-	2	2	-	4.93	-0.52	31			
	Sutton Bon'gton	999	157	60.8	41.5	51.1	-	75	16	30	1,2,31	52.7	-	0.31	8	-37	5	22	5	2	0	0	0	1	1	4	-	5.42	-	34		
	Worksop	999	56	60.8	42.9	51.9	-0.6	76	16	30	1	53.2	49.2	0.67	17	-34	7	30	6	5	0	0	0	1	-	4	0	5.11	-	32		
Leicester.	Belvoir Castle	2121	259	59.8	43.5	51.7	0.0	74	16	34	2	53.4	48.1	1.40	36	-18	5	29	7	4	-	-	-	-	9	-	5.54	-0.81	35			
Northampton	Oundle	999	147	61.8	42.8	52.3	0.0	76	18	29	2	53.3	49.2	1.17	30	-	14	30	6	3	0	0	0	2	1	5	-	5.29	-0.84	34		
Warwick.	Birmingham	18-7	7	535	59.5	44.1	51.8	+0.5	74	16,18	36	31	48.4	47.1	0.99	25	-29	6	12	11	6	0	0	0	4	4	3	0	4.34	-1.32	28	
	Sparkhill	713	7	425	61.6	42.9	52.3	-0.8	76	16,18	33	1	-	-	1.46	37	-21	18	6	9	7	0	0	1	4	5	9	-	-	-	-	
	Coventry	999	241	61.0	42.7	51.9	-1.5	75	16	31	1,2	53.3	50.3	0.94	24	-27	9	30	6	6	0	0	1	2	0	5	-	4.82	-1.07	29		
	Rugby	2121	9	390	62.2	41.4	51.8	-	75	16,18	31	22	-	-	0.86	22	-	14	30	8	4	0	0	0	2	-	5	-	4.81	-	29	
	Stratford-on-Avon	999	210	62.1	42.8	52.5	-	75	18	32	31	-	-	0.53	13	-	4	30	8	5	0	0	0	3	0	-	4	-	4.84	-	31	
Oxford.	Oxford	999	208	62.8	44.2	53.5	-0.2	78	18	34	2,22	55.1	51.3	0.42	11	-37	6	22	4	3	0	0	0	1	0	3	0	5.79	-0.27	37		
Bucks.	Halton	999	544	61.8	42.3	51.9	-	75	18	32	22	53.9	49.0	0.82	16	-	9	17	7	3	0	0	0	2	6	8	-	6.22	-	40		
	Mursley	999	490	60.5	42.5	51.5	-	75	18	33	22	51.4	-	1.87	42	-10	14	17,22	7	4	-	-	-	-	-	-	-	5.58	-	36		
Stafford.	Mayfield	999	374	60.0	41.9	50.9	+0.1	74	16	30	1,2	-	-	0.41	11	-46	5	15	8	2	0	0	0	1	-	6	-	5.33	-0.45	34		
Shropshire.	Newport	999	211	61.0	42.0	51.5	-	73	18	31	31	-	-	0.91	23	-24	7	18	10	5	0	0	0	3	0	9	-	4.52	-	29		
	Shrewsbury	999	184	61.1	43.2	52.1	-0.2	75	11	32	1,31	52.8	50.0	1.03	26	-	14	16	10	4	0	0	1	2	0	8	0	4.16	-	26		
Worcester.	Malvern	999	380	61.7	45.9	53.3	+0.4	76	18	39	21	53.7	49.7	0.57	15	-40	7	12	8	3	0	0	0	0	2	0	-	5.41	-1.15	35		
	Worcester (Perdiswell)	999	94	62.9	42.9	52.9	-	77	11,18	32	2,29,31	-	-	1.00	25	-	9	16	10	10	0	0	0	2	-	7	-	4.88	-	30		
Hereford.	Bromyard	999	393	60.8	43.0	51.9	-0.6	74	18	32	29,31	53.7	48.9	1.49	38	-	14	12	9	6	0	0	0	0	7	3	-	-	-	-	-	
	Hereford	999	292	61.5	44.0	52.8	+0.2	76	18	34	2	-	-	0.89	23	-32	6	22	12	8	0	0	1	1	0	1	0	-	-	-	-	
	Ross-on-Wye	18-7	223	62.0	44.7	53.3	+0.6	76	18	35	2,29,31	54.0	50.5	0.84	21	-33	7	12	8	5	0	0	0	1	3	7	0	5.42	-0.79	35		
Gloucester.	Bristol (Horfield)	18-7	7	206	63.0	44.7	53.9	-	79	18	36	4,29	55.4	51.3	0.84	16	-	5	24	8	6	0	0	0	1	0	0	-	-	-	-	-
	Cheltenham	2121	9	214	63.1	44.5	53.8	-0.1	79	18	35	31	55.4	52.2	0.74	19	-28	5	15	7	6	0	0	0	3	0	1	0	5.75	-0.54	37	
	Cirencester	999	443	61.6	43.4	52.5	+1.0	77	18	33	29	-	-	0.98	25	-	7	12	7	6	0	0	0	2	0	3	-	5.60	-	36		
	Parkend	999	325	62.4	42.8	52.6	-	78	18	31	29	51.4	48.7	1.11	28	-	9	12	9	8	0	0	0	1	0	8	-	5.75	-	37		
5. ENGLAND, S.E.																																
London.	City, Bunhill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.45	-0.47	35		
	Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Camden Square	999	110	65.7	46.8	56.3	0.0	80	18	39	22,29	54.3	49.5	0.48	12	-33	6	22	6	3	0	0	1	2	-	0	-	-	-	-	-	-
	East Ham	999	15	63.9	46.1	55.0	+0.4	76	6	37	29	-	-	0.48	12	-28	4	22	7	4	-	-	-	-	-	-	-	-	-	-	-	-
	Enfield	999	148	64.8	44.8	54.7	-0.2	76	6,18	35	29	-	50.8	0.22	6	-39	2	22	6	2	0	0	0	0	4	0	0	-	5.37	-	38	
	Greenwich	2424	9	149	64.3	45.2	54.9	+0.2	80	6	34	29	53.0	50.1	0.41	10	-34	4	22	6	4	0	0	0	2	0	2	0	5.55	-0.25	36	
	Hampstead	999	450	61.9	43.4	52.7	-1.0	74	16,18	34	22,29	-	-	0.50	13	-	9	22	4	3	0	0	0	2	-	5	-	6.06	-0.73	39		
	Kensington	18-9	80	63.7	47.1	55.4	+0.3	73	6,16	38	22	54.7	50.8	0.57	15	-29	9	22	3	3	0	0	0	1	0	2	0	5.38	-	38		
	Kingsway	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Regent's Park	999	129	63.0	45.0	54.0	-	78	18	38	22,29	-	-	0.42	11	-	7	22	4	3	0	0	0	1	0	0	-	6.00	-0.20	38		
	Kew	2424	18	62.8	46.0	54.4	-0.1	77	16	37	22	54.5	50.7	0.51	13	-31	4	22	5	5	0	0	0	3	0	2	0	6.41	-0.13	41		
	Observatory	18-7	-	62.9	46.6	54.7	+0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tottenham	2121	9	51	65.0	47.5	56.3	+0.8	78	18	39	22	-	51.5	0.28	7	-35	3	22	5	2	0	0	0	1	-	0	-	5.93	-0.82	38	
	Westminster	999	27	64.1	48.1	56.1	+0.3	76	18	38	29	-	-	0.40	10	-31	5	22	4	2	0	0	0	2	-	0	-	5.85	-0.40	38		
Surrey.	Addington	999	472	62.0	44.0	53.0	+0.1	76	16	34	22	-	-	0.32	8	-	4	22	7	2	0	0	0	1	0	-	-	-	-	-	-	-
	Croydon	18-7	7	217	63.2	45.5	54.4	+0.8	78	16	35	2,22,29	-	-	0.45	11	-36	6	22	8	2	0	0	0	1	2	3	0	5.52	-1.10	36	
	Wisley	999	150	63.9	44.1	54.0	-0.3	77	16,18	33	2,29	54.7	51.3	0.84	21	-	12	22	6	3	0	0	0	1	0	8	0	5.86	-0.84	38		
Kent.	Biggin Hill	18-7	7	567	60.5	44.6	52.5	+0.8	74	16,18	35	2	-	-	0.51	13	-37	3	16	8	4	0	0	0	1	4	2	0	6.35	-0.63	41	
	Bromley	999	213	63.6	45.5	54.5	-	79	16	33	2	-	-	0.39	10	-32	3	30	6	4	0	0	1	1	0	2	-	-	-	-	-	-
	Canterbury	999	124	62.2	45.8	54.0	-0.7	76	17	34	29	53.7	50.4	0.17	4	-	2	13	6	2	-	-	-	-	-	-	-	-	-	-	-	-
	Dover	999	22	59.8	48.0	53.9	+0.5	71	18	38	29	56.1	52.6	0.17	4	-	2	3	2	2	0	0	0	1	0	0	0	6.72	-0.98	43		
	Dungeness	18-7-																														



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 Number of days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Means of		Difference from Average	Absolute Maximum and Minimum			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		1 ft.	4 ft.	Amount	Date	0.2 mm. or more	mm. or more	Snow	Thunder	Fog	Gale	Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
5. ENGLAND, S.E.—cont.		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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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 Number of days										BRIGHT SUNSHINE		
				Means of		Difference from Average	Absolute Maximum and Minimum			Total Fall	Difference from Average			Most in a day	Precip'n		Snow lying	Thunderstorm	Fog (Morr's 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					
				Max.	Min.	Mean of A and B	Maximum	Date	Minimum	Date	1 ft.	4 ft.	in.	mm.	mm.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.				
8b. ENGLAND, S.W.—cont.				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	Fog (Morr's Obs.)	Ground Frost	Gale	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	-	-	-	-
	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	-	-	-	-	-	-
Devon.	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	-	-	-	-
	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	-	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	-	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	(4)	-	-	-	-	-
	Moretonhampstead	9 9 9	798	58·1	43·6	50·9	-	72	18	35	29	52·0	48·0	1·27	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	-	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	-	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	8·09	+1·31	53
	Plymouth ..	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	8·09	+1·58	53
	(Mount Batten)																													
	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	-	-	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	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	-	-	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	-	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	-	-	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	-	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	-	-	-
	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	-	7·17	+0·34	47	
	Redruth ..	9 9 9	397	58·2	45·8	52·0	-0·5	71	18	39	3, 29	-	-	1·50	38	-21	8	17	9	7	0	0	0	0	4	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	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	2	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	-	-	-	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	-28	5	29	15	8	0	0	2	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	-	6·86	-	43
	Hillsborough	9 9 9	388	57·1	42·7	49·9	-	66	10	36	21, 23	50·8	-	1·28	33	-	9	14	11	8	0	0	0	0	5	0	0	6·14	-	38
Armagh.	Armagh .. §§	2121 9	204	59·8	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	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	-	-	-	-	-	-
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	-	-	-	-
	„ Glasnevin ..	2121 9	55	58·8	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	41·8	50·1	-0·1	67	26	33	2	-	-	1·11	28	-25	14	5	13	8	0	0	1	1	1	0	-	6·23	+0·20	39
	„ Trin. Coll. ..	2121 9	13	58·3	45·9	52·1	-0·2	66	18, 20, 26	38	31	54·2	50·8	1·14	29	-20	14	5	9	7	0	0	0	0	-	0	-	-	-	-
	Hazelhatch ..	9 9 9	366	58·5	41·6	50·1	-	65	11, 19	35	31	53·8	50·5	1·15	29	-	15	6	10	7	-	-	-	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	-	5·94	-	38
Wicklow.	Newcastle ..	2121 9	256	56·9	43·2	50·1	-0·8	65	11, 27	38	4, 31	-	-	1·43	38	-	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	+0·79	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	28	-31	7	5	8	7	-	-	-	-	-	-	-	-	-	-
Kerry.	Valentia Obs. §§	242424	30	57·9	46·6	52·4	+0·1	67	26	41	2	54·7	52·0	2·06	52	-29	27	14	12	9	0	0	3	1	0	0	1	7·51	+1·40	48
	„ ..	18-7 -	-	58·3	46·3	52·3	+0·7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cork.	Ballinacurra §	9 9 9	24	60·3	44·6	52·5	+0·6	70	19, 26	35	13, 14	-	-	1·29	33	-27	24	14	5	4	0	0	0	0	-	-	-	6·83	+0·94	44
	Cork ..	9 9 9	57	62·1	44·5	53·3	-	73	26	35	14	-	-	1·38	35	-22	27	14	5	4	0	0	0	0	0	3	-	7·18	-	46
	Roche's Pt. §	18-7 7	22	58·3	47·1	52·7	+1·0	69	26	40	13	-	-	1·20	31	-31	19	14	9	5	0	0	2	1	0	-	0	-	-	-
11. CHANNEL ISLES AND SCILLY.																														
Seilly.	St. Mary's §§	18-7 7	163	57·1	48·0	52·5	+0·2	62	10, 26	44	2	-	-	1·09	28	-14	6	24	10	5	0	0	0	0	1	-	0	7·44	+0·60	49
Guernsey.																														

† Sunshine recorder is at Mount Stewart.

TABLE III (c).—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		
	th	Cal./cm. <sup>2</sup> /diem.
Max. (on 19) ..	..	681
Mean ..	..	231

\*\* See Meteorological Magazine, May, 1920, p. 70.



TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of MAY, 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 Vis.	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Shetlands.	Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				



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

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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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2. ENGLAND, N.E.—cont.		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



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

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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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5. ENGLAND, S.E.—cont.		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												



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

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	FOG				Mist	Poor Vis.	Mod. Vis.	Good Visibility	8 or more	4	5	6	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																				0	1	2	3																	
8a. SOUTH WALES—cont.																																								
Radnor.	Llandrindod Wells	9	725	1017.0	-	51.8	3.8	10.0	75	8.4	0	1	4	12	14	0	0	0	0	0	2	11	10	8	0	0	5	26	0	3	6	6	4	5	1	3	3			
	Rhayader ..	9	—	—	-	50.8	3.2	9.9	77	7.8	2	3	4	5	17	0	0	0	0	3	0	16	3	9	0	0	3	28	0	3	8	4	6	0	2	1	7			
Glamorgan.	Cardiff ..	9	216	1016.5	-	53.2	3.3	10.7	78	6.5	4	5	3	5	14	0	0	0	0	2	11	10	3	5	0	0	18	13	0	3	11	6	1	0	5	4	1			
		21	216	1015.8	-	51.7	3.0	10.5	79	4.6	14	2	1	3	11	0	0	0	0	0	25	1	5	0	0	0	3	28	0	0	12	3	1	0	5	8	2			
8b. ENGLAND, S.W.																																								
Somerset.	Bath ..	9	113	1016.3	-	55.0	4.5	10.4	71	7.0	2	5	3	11	10	0	0	0	0	7	10	11	3	0	0	10	19	2	2	7	10	2	0	3	3	2				
Dorset.	Holton Heath	9	58	1015.9	-	55.8	4.8	10.8	71	5.9	2	9	4	6	10	0	0	0	0	3	4	16	3	4	1	0	13	18	0	4	10	8	3	1	1	2	2			
		15	58	1015.3	-	60.5	6.9	11.1	61	5.5	2	9	6	8	8	0	0	0	0	2	1	20	4	3	1	0	19	11	1	4	6	3	9	0	5	2	1			
		1	37	1015.2	-	50.2	2.0	10.5	88	5.5	5	4	7	8	7	0	0	0	0	0	2	21	8	0	0	0	11	20	0	4	11	8	2	0	1	0	5			
Dorset.	Portland Bill	7	37	1015.4	+0.1	50.9	1.9	11.0	87	7.1	1	4	6	10	10	0	0	0	0	0	1	30	0	0	0	0	16	15	0	7	13	4	2	0	1	1	3			
		13	37	1015.6	-	55.5	2.9	12.0	81	6.5	5	4	2	9	11	0	0	0	0	0	3	25	3	0	0	0	14	17	0	2	7	4	0	3	5	3				
		18	37	1014.8	-	54.7	2.8	12.1	81	6.5	3	5	4	11	8	0	0	0	0	0	2	25	4	0	0	0	8	23	0	4	4	11	1	0	2	4	5			
Devon.	Moretonhampstead	9	801	1016.1	-	50.4	3.3	9.7	78	7.5	2	5	1	11	12	0	0	1	0	0	7	7	16	0	0	0	4	26	1	6	6	6	4	1	1	0	6			
		15	801	1015.2	-	56.2	5.3	10.5	68	6.7	1	7	4	11	8	0	0	0	0	1	5	2	22	1	0	9	22	0	4	7	3	5	3	1	1	7				
Devon.	Plymouth	7	27	1015.5	-	51.4	2.7	10.5	81	6.1	0	11	2	15	3	0	0	0	0	0	6	11	14	0	0	5	23	3	6	5	7	1	1	1	1	6				
	(Mount Batten) ..	13	27	1015.4	-	57.9	5.2	11.4	70	5.9	0	9	7	14	1	0	0	0	0	3	7	19	2	0	0	14	17	0	4	2	11	1	4	5	1	3				
		18	27	1015.0	-	57.1	4.9	11.2	70	6.1	1	8	4	15	3	0	0	0	0	4	4	23	0	0	0	12	19	0	4	3	9	0	3	2	4	6				
		1	240	1015.9	-	49.9	1.6	10.8	88	5.5	5	7	6	6	7	0	0	0	0	0	2	5	24	0	0	0	13	18	0	8	10	1	1	0	3	7				
Cornwall.	The Lizard	7	240	1015.5	-	51.0	1.9	11.0	87	7.4	0	6	4	9	12	0	0	0	0	2	1	3	25	0	0	0	16	15	0	8	10	3	0	1	1	2	6			
		13	240	1015.6	-	56.4	4.1	11.3	75	7.2	0	2	9	16	4	0	0	0	0	1	0	3	5	22	0	0	21	10	0	3	9	7	0	1	0	7	4			
		18	240	1015.3	-	54.1	3.1	11.3	79	6.3	1	7	8	13	4	0	0	0	0	1	0	3	7	20	0	0	9	22	0	4	8	4	1	1	1	7	5			
Cornwall.	Newquay	9	161	1015.9	-	53.5	2.8	11.3	83	6.1	4	4	5	11	7	0	0	0	0	3	2	8	10	8	0	0	8	22	1	10	4	2	4	3	1	5	1			
9. IRELAND, N.																																								
Sligo.	Markree Castle	9	127	1018.9	-	51.8	3.1	10.4	79	6.0	3	3	11	7	7	0	0	0	0	0	0	7	24	0	0	1	21	9	5	3	3	4	2	1	0	4				
		21	127	1018.0	-	52.0	3.1	10.4	79	6.2	4	1	10	10	6	0	0	0	0	0	0	5	26	0	0	1	23	7	6	3	0	3	1	2	1	8				
		1	28	1018.2	-	48.9	3.3	9.0	75	6.3	1	9	5	7	9	0	0	0	1	1	0	16	12	0	0	1	15	9	6	5	2	1	1	5	3	3	5			
Mayo.	Blacksod Point	7	28	1018.1	-	49.9	2.1	10.4	92	7.4	1	0	10	10	10	0	0	0	0	0	4	9	18	0	0	1	19	10	1	6	5	3	2	6	1	4	3			
		13	28	1018.0	-	53.7	3.9	10.8	74	6.1	1	6	2	4	8	0	0	0	0	2	9	17	3	0	0	21	10	0	8	2	4	2	4	5	2	4				
		18	28	1017.8	-	52.8	3.4	10.6	77	6.5	0	8	7	8	8	0	0	0	0	1	8	19	3	1	0	19	11	0	8	3	1	1	4	2	5	7				
		1	87	1018.4	-	48.3	1.3	10.3	90	5.9	2	9	3	9	8	0	0	0	0	0	6	19	6	0	0	8	21	7	1	5	4	6	2	2	2					
Donegal.	Malin Head	7	87	1018.6	+4.7	48.7	1.5	10.5	88	7.2	0	7	1	15	8	0	0	0	0	0	8	15	8	0	0	14	17	0	6	2	8	4	7	0	1	3				
		13	87	1018.5	-	51.8	2.4	10.9	83	6.3	0	9	2	18	2	0	0	0	0	0	9	11	11	0	0	11	20	0	6	4	10	2	4	0	0	5				
		18	87	1017.8	-	51.8	2.0	11.4	86	5.5	1	12	3	13	2	0	0	1	0	0	5	12	12	1	0	10	21	0	6	5	8	3	1	0	3	5				
		7	245	1018.5	-	47.5	1.7	9.8	87	8.2	0	3	3	13	12	0	1	0	0	0	15	8	6	1	0	7	19	5	4	7	7	1	3	1	1	2				
Antrim.	Aldergrove	13	245	1018.1	-	56.4	5.5	10.4	67	7.2	0	5	3	19	4	0	0	0	0	0	8	6	12	4	0	15	16	0	4	6	4	3	4	2	1	7				
		18	245	1017.4	-	55.3	4.9	10.3	69	5.9	1	9	5	10	6	0	0	0	0	0	8	6	14	3	0	14	17	0	8	5	3	6	3	1	0	5				
Armagh.	Armagh ..	9	209	1018.3	+3.4	52.2	3.6	10.1	76	7.2	2	3	7	8	11	0	0	0	0	0	6	5	20	0	0	1	26	4	4	6	7	1	6	0	1	2				
		21	209	1017.7	+2.8	49.4	2.7	9.7	81	5.2	6	8	3	3	11	0	0	0	0	0	1	12	18	0	0	1	21	9	4	4	3	4	6	0	0	1				
10. IRELAND, S.																																								
Dublin.	Glasnevin ..	9	56	(1018.5)	-	52.4	3.7	9.9	75	7.3	0	0	16	5	10	0	0	0	7	7	5	1	11	0	0	0	31	0	0	9	8	4	1	4	1	4				
		21	56	(1018.0)	-	51.3	2.5	10.5	82	5.4	8	0	10	5	8	0	0	0	0	4	5	8	1	13	0	0	1	26	4	1	9	4	3	1	3	1	5			
		7	193	1018.0	+2.7	46.3	0.9	9.8	93	6.8	4	5	3	11	8	0	0	0	2	0	0	3	26	0	0	0	26	5	3	4	2	2	6	2	2	5				
Offaly.	Birr Castle	13	193	1017.4	-	58.3	6.1	11.0	64	8.0	0	3	3	14	11	0	0	0	0	0	0	3	28	0	0	0	31	0	3	5	3	0	9	2	3	6				
		18	193	1016.7	-	58.8	6.1	11.0	64	8.1	0	2	5	16	8	0	0	0	0	0	0	3	28	0	0	0	31	0	3	4	3	2	8	1	3	7				
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1017.6	-	52.0	3.3	10.7	78	6.3	2	7	5	7	10	0	0	0	0	0	8	4	11	8	0	6	24	1	6	3	3	2	2	2	0	12				
		21	521	1017.5	-	49.9	2.7	9.9	81	5.8	1	10	4	10	6	0	0	1	0	1	0	6	7	4	12	0	3	24	4	7	2	1	2	5	3	0				
		7	45	1018.0	+2.9	50.9	3.1	10.0	79	6.3	1	5	9	13	3	0	0	0	0	1	2	4	22	2	0	11	17	3	5	8	3	4	4	1	0	5				
Kerry.	Valentia Observatory	13	45	1017.7	+2.2	56.1	5.0	10.5	69	6.8	0	6	5	15	5	0	0	0	0	1	5	19	6	0	23	8	0	4	7	0	1	3	6	3	7					
		18	45	1017.4	+2.1	55.4	4.7	10.5	71	6.2	1	6	8	13	3	0	0	0	0	1	4	21	5	0	11	20	0	8	5	1	2	3	4	4	4					
		21	45	1018.0	+2.2	52.0	3.4	10.2	77	5.4	1	12	5	5	8	0	0	0	0	2	4	20	5	0	10	16	5	5	6	2	3	5	1	1	3					
		h.*	45	1017.8	+2.5	52.7</																																		

\* 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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VOL. 53. No. 6.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

## 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 Sealand 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 Sealand.
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.



TABLE I.—DISTRICT VALUES.— JUNE, 1936

[1908, 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
0. SCOTLAND, N.	86	25	+2.0	-	-	52	- 4	149	45
Eastern.									
1. SCOTLAND, E.	87	26	+1.6	-	-	64	- 3	123	43
2. ENGLAND, N.E.	84	28	+1.1	0.0	-0.4	158	+ 2	100	35
3. ENGLAND, E.	88	29	+1.8	+0.4	-0.8	195	+ 5	99	42
4. MIDLAND COUNTIES ..	86	30	+1.4	-1.3	-1.1	161	+ 5	80	31
5. ENGLAND, S.E.	89	33	+1.8	+0.6	-0.2	164	+ 6	96	41

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)	86	29	+2.1	-0.2	-1.1	87	0	102	37
7. ENGLAND, N.W. (and N. Wales)	88	34	+1.6	-0.3	-0.4	183	+ 3	82	33
8. ENGLAND, S.W. (and S. Wales)	85	34	+1.7	-0.3	-0.5	143	+ 2	76	32
9. IRELAND, N. ..	77	28	+1.7	+0.1	-0.5	126	0	101	33
10. IRELAND, S. ..	78	28	+1.0	-0.1	-1.1	108	+ 2	95	36
11. CHANNEL I. (and Scilly)	81	45	+1.0	-0.3	-0.7	93	+ 2	83	40
Mean: DISTRICTS 1-10	89	26	+1.6	-0.1	-0.6	139	+ 2	95	36

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

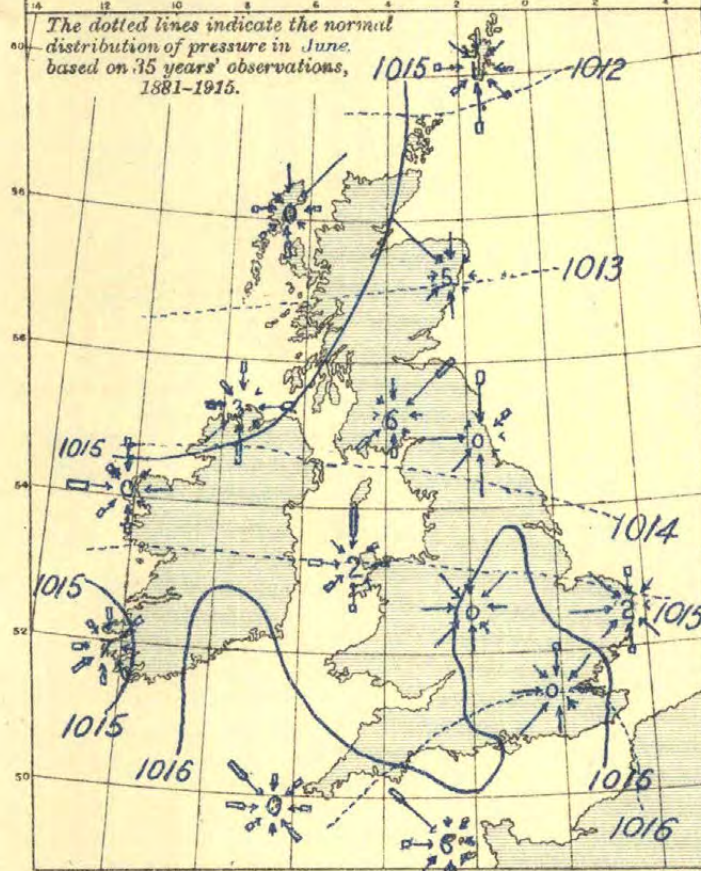
[1914.]

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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†† 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 1933 Annual Summary Wind Section).



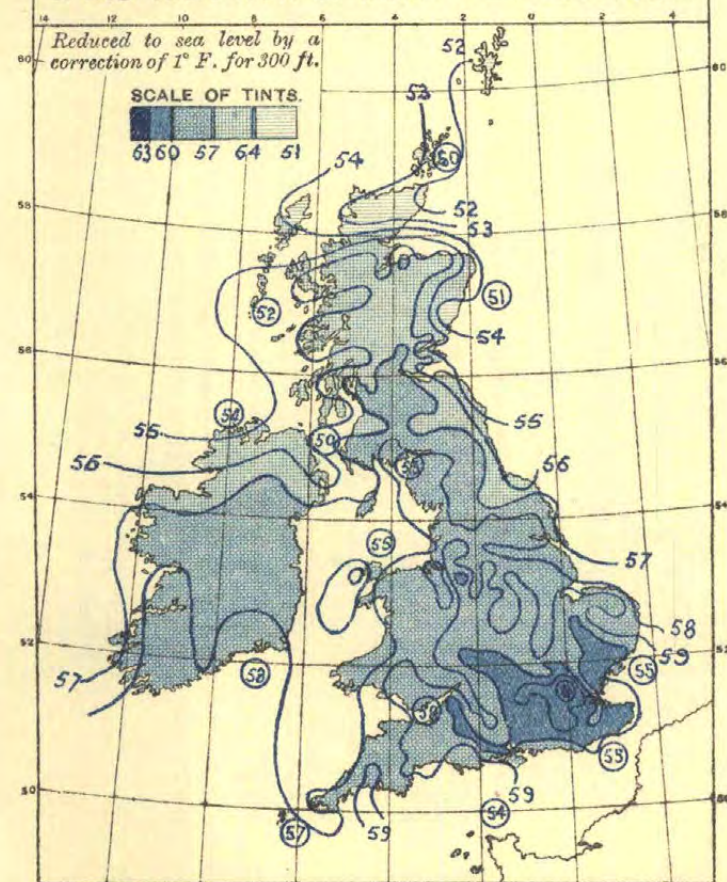
## 1. WIND AND MEAN PRESSURE. 7 A.M. \*



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

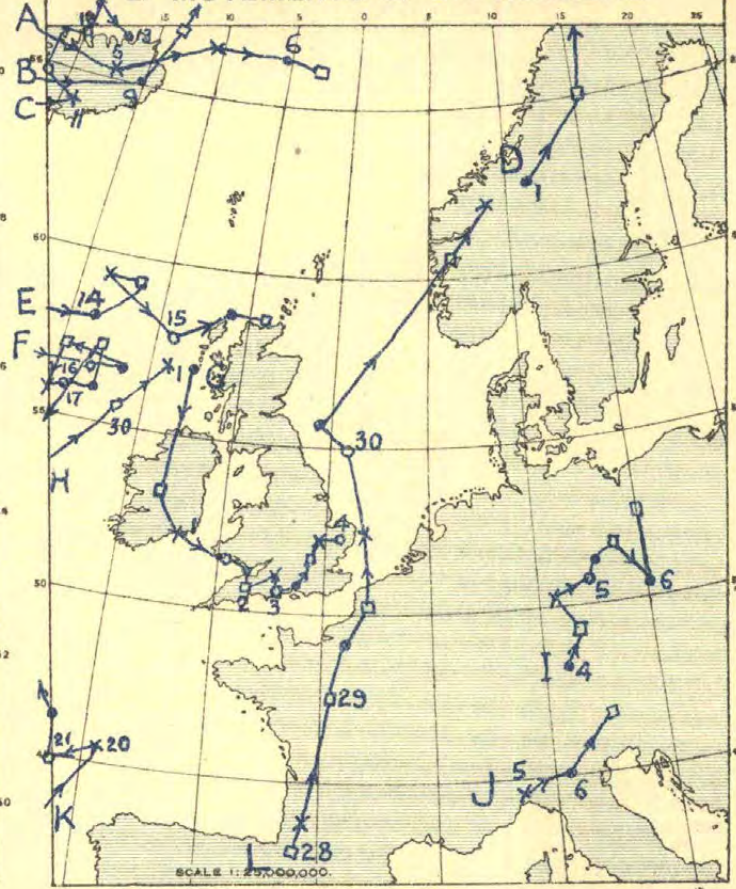
— LIGHT TO STRONG GALE  
— 30 Obs. = 1 inch

## 3. DISTRIBUTION OF MEAN TEMPERATURE.



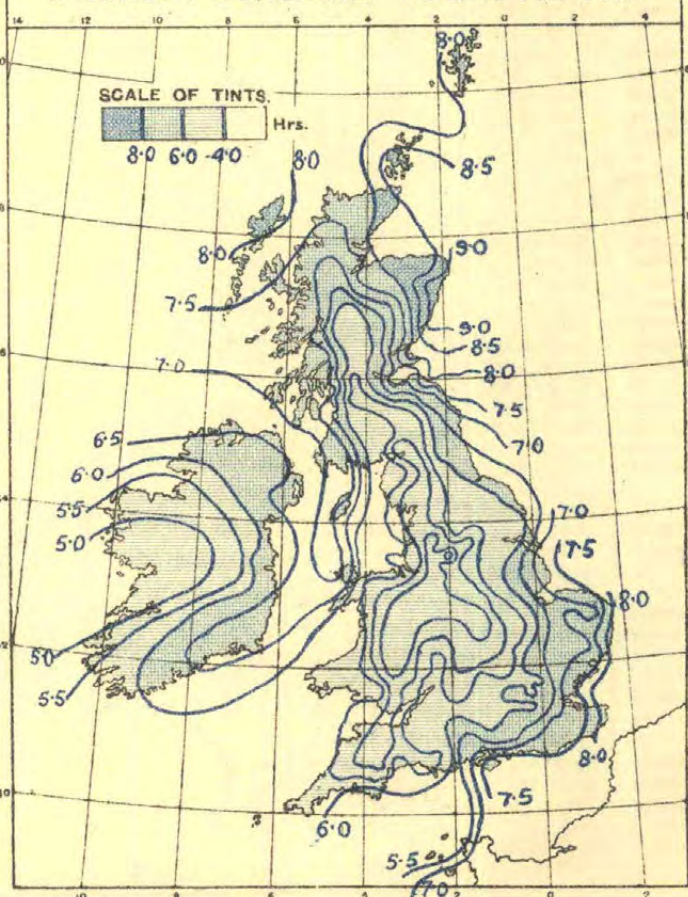
Sea temperatures are shewn in large figures, thus (54)

## 2. MOVEMENTS OF DEPRESSIONS.



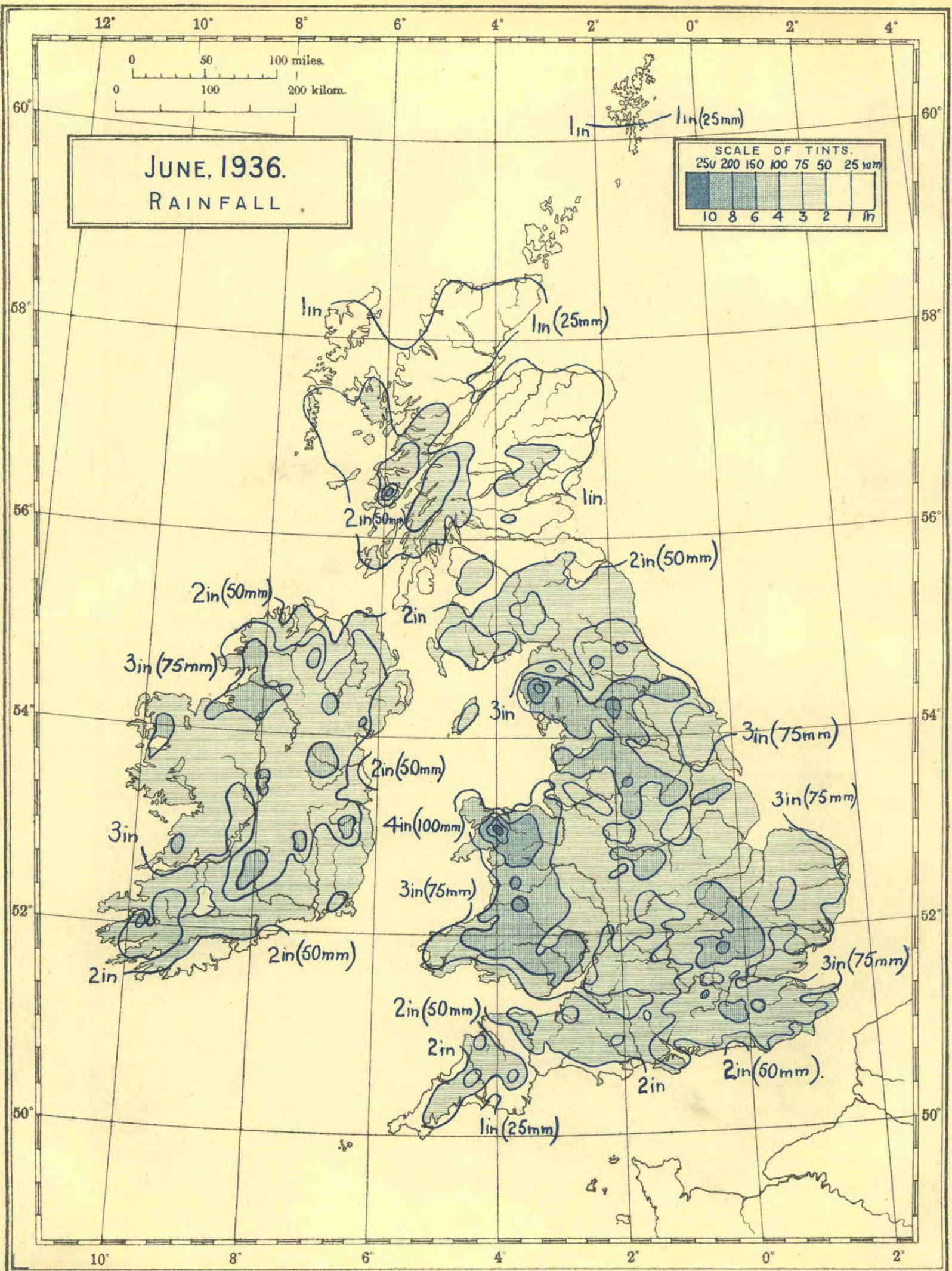
Positions of centres are shown thus: — O at 1hr; ● at 7h; □ at 13h; X at 18h.

## 4. BRIGHT SUNSHINE. HOURS PER DAY.



\*The pressure is expressed in millibars.





Scale 1 : 5,000,000.

Ps 479/3105. Wc 22A. D.17. Sp. 308. 325. 736

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, 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				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													Daily Mean	Difference from Average							
		Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	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	8.15	+3.19	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	2	0	2	-	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	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	3	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	2	-	-	-	-	-	-	
		Stornoway (C.G.)	18-7 7	80	59.5	47.3	53.4	+2.1	75	21	35	3,4	-	-	0.91	23	-	6	30	12	5	0	0	0	0	-	1	8.04	+2.45	45	
		Stornoway	- - -	30	-	-	-	-	-	-	-	-	-	-	0.93	23	-36	3	30	14	9	-	-	-	-	-	-	-	-	-	
Skye.		Duntulm	9 9 9	294	60.3	47.9	54.1	-	82	21	38	1	-	-	1.67	42	-	15	9	12	10	0	0	0	1	0	0	7.84	-	44	
Caithness.		Wick	18-7 7	81	56.6	45.2	50.9	+1.2	62	24,26	32	5	-	-	1.11	28	-18	6	9	11	6	0	0	0	2	-	0	-	-	-	
		Achnashellach	9 9 9	225	65.8	45.6	55.7	-	86	21	32	5	-	-	1.63	41	-64	9	8	12	12	0	0	0	1	0	-	-	-	-	
Cromarty.		Fortrose	9 9 9	69	64.4	48.3	56.3	+2.6	77	20	39	2,3,5	-	-	0.81	21	-	8	29	10	6	0	0	1	1	-	0	7.26	+1.13	41	
Inverness.		Dalwhinnie	18-7 7	1176	63.5	42.0	52.7	-	84	22	25	5	-	-	1.26	32	-	9	30	10	8	0	0	0	0	7	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	-	-	6.16	-	353	
		Ft. William	9 9 9	34	64.8	48.0	56.3	+1.3	84	21	35	5	56.7	51.8	2.51	64	-24	17	16	15	10	0	0	0	0	0	0	7.07	-	408	
		Inverness	9 9 9	242	63.9	48.4	55.1	+1.1	83	21	34	5	-	-	0.95	24	-24	7	29	10	7	0	0	1	2	0	1	0	7.69	+2.09	43
1. SCOTLAND, E.																															
Nairn.		Nairn	9 9 9	20	64.8	46.4	55.6	+2.1	85	21,22	33	5	-	-	1.01	26	-19	7	29	12	7	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	1	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	1	-	-	0	8.01	+2.23	458	
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	1	1	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	2	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	-	9	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	7	0	6.59	-	378	
		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	-	4	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	1	0	2	-	-	-	-	
Kincardine.		Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	1.23	31	-13	13	30	9	7	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	-	-	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	6	0	8.94	-	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	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	-	1	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	-	-	-
		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	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	-	-	-	-
		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	-	-	6.84	+0.02	39	
Fife.		Cupar	9 9 9	210	64.3	46.6	55.5	+1.2	75	24	34	5	-	-	1.24	31	-	19	29	10	6	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	+1.3	74	24	40	1,10	-	-	1.73	44	+4	20	30	9	5	0	0	0	1	1	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	-	-	-	-	-	-
		Leuchars	18-7 7	36	63.2	46.0	54.8	+1.1	72	23,24	33	5	-	-	1.56	40	-2	14	29	8	6	0	0	0	0	7	0	8.08	+1.13	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	-	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	7.04	+0.73	408	
		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	-	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	1	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	-	-	-	-	-	-	-	-	-	-
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	0	3	0	0	0	8.27	-	48
		N. Berwick	9 9 9	118	63.2	46.5	54.9	-	74	24	36	5	-	-	1.31	33	-	7	21	29											



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				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	B		Maximum	Date	Minimum	Date		Amount	Date		Daily Mean	Difference from Average																	
			Max. Min. Rain	A Max. B Min.		Mean of A and B	Max. Min.	Date	Min. Date		1 ft. 4 ft.	in. mm.		mm.	mm.										mm.	0.2 mm. or more		1 mm. or more	Snow	Snow lying	Hail	Thunderstorm
6b. ISLE OF MAN.			G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.									hr.	hr.	%				
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	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	7.38	-	43		
2. ENGLAND, N.E.																																
Northumb- erland.	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	6.77	+0.82	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	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	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	-	-	-	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 ..	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		
	(Bot. Gdns.)																															
	(Univ. Farm) ..	9 9 9	78	68.3	50.6	59.6	-	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																										



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				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		Maximum	Date	Minimum	Date		in.	mm.										mm.	mm.		0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average
				Max.	Min.																															
4. MID. COUNTIES—cont.																																				
Nottingham cont.	Nottingham	9 9 9	192	66.6	50.5	58.5	+1.8	83	21	35	1	56.9	53.2	2.58	65	+16	9	21	16	12	-	-	-	-	1	1	-	4.67	-1.35	28						
	Sutton Bon'gton	9 9 9	157	66.5	47.3	56.9	-	81	21	30	1	58.0	-	3.31	84	+39	12	4	16	14	0	0	0	5	0	1	-	4.68	-	28						
	Workshop	9 9 9	56	67.9	48.3	58.1	+0.9	83	21	35	1	58.5	52.8	4.37	111	+61	20	2	14	13	0	0	0	5	-	0	0	5.92	-	35						
Leicester.	Belvoir Castle	2121 9	259	66.6	49.8	58.2	+1.9	83	21	39	1,6	58.7	52.3	2.53	64	+16	9	29	17	15	-	-	-	-	4	-	5.32	-0.83	34							
Northampton	Oundle	9 9 9	147	67.1	49.4	58.3	+2.6	85	21	35	1	59.1	53.3	3.46	88	-	22	21	17	14	0	0	0	3	0	1	-	5.20	-1.05	31						
Warwick.	Birmingham	18-7 7	535	65.1	50.8	57.9	+1.3	82	21	37	1	52.5	49.5	3.34	85	+28	23	21	18	14	0	0	1	8	1	1	0	4.57	-1.37	29						
	" Sparkhill	713 7	425	67.4	49.2	58.3	+2.0	84	21	33	1	-	-	3.79	96	+33	24	21	17	14	0	0	1	7	0	4	-	-	-	-						
	Coventry..	9 9 9	241	66.8	49.2	58.0	+0.1	83	21	31	1	58.7	54.8	3.04	77	+23	24	21	16	14	0	0	1	5	1	1	-	4.21	-2.00	25						
	Rugby ..	2121 9	390	67.2	48.7	57.9	-	82	20,21	32	1	-	-	4.02	102	-	42	21	17	12	0	0	3	4	-	1	-	-	-	-						
	Stratford-on-Avon	9 9 9	210	61.1	49.2	58.1	-	82	21,22	33	1	-	-	2.99	76	-	20	2	18	13	0	0	3	8	1	-	-	4.59	-	28						
Oxford.	Oxford ..	9 9 9	208	68.0	51.1	59.5	+1.6	83	20	37	1	60.7	55.4	3.60	91	+34	16	29	17	13	0	0	3	6	0	0	0	5.54	-1.10	33						
Bucks.	Halton ..	9 9 9	544	66.9	51.0	58.9	-	84	20	37	1	59.7	52.9	3.87	98	-	15	18	18	14	0	0	1	5	0	2	-	5.84	-	35						
	Mursley ..	9 9 9	490	66.2	49.4	57.8	-	82	20,21	36	1	56.8	-	3.89	99	+49	14	21	16	13	-	-	-	-	-	-	-	5.35	-	32						
Stafford.	Mayfield ..	9 9 9	374	66.0	48.1	57.1	+2.0	82	21	31	1	-	-	2.86	73	+13	16	12	15	13	0	0	0	7	-	1	-	4.61	-1.63	27						
Shropshire.	Newport ..	9 9 9	211	65.4	48.7	57.1	-	79	27	33	1	-	-	4.09	104	+51	45	21	17	15	0	0	0	5	0	2	-	4.10	-	25						
	Shrewsbury	9 9 9	184	66.3	49.9	58.1	+2.2	81	19,20	34	1	57.8	53.7	2.79	71	-	24	21	17	12	0	0	1	6	0	2	0	4.47	-	27						
Worcester.	Malvern ..	9 9 9	380	66.8	52.2	59.5	+1.8	83	20	42	1,3	59.4	54.1	4.00	102	+43	16	2	15	13	0	0	1	5	0	0	-	6.02	-0.91	36						
	Worcester (Perdiswell)	9 9 9	94	68.1	49.6	58.9	-	84	20	33	1	-	-	4.06	103	-	25	29	16	12	0	0	0	7	-	2	-	5.19	-	31						
Hereford.	Bromyard ..	9 9 9	393	66.3	49.1	57.7	+1.0	82	20	33	1	58.3	52.6	3.64	92	-	31	29	16	12	0	0	2	4	1	2	-	-	-	-						
	Hereford	9 9 9	292	66.6	49.6	58.1	+1.2	81	20	36	1	-	-	3.92	100	+48	27	29	15	14	0	0	1	4	0	0	0	-	-	-						
	Ross-on-Wye	18-7 7	223	66.8	50.3	58.5	+0.8	83	20	35	1	59.1	54.3	3.93	100	+45	20	20	18	13	0	0	2	6	1	2	0	5.12	-1.89	31						
Gloucester.	Bristol (Horfield)	18-7 7	206	67.7	51.8	59.7	-	85	20	38	1	60.5	55.8	5.07	129	-	51	29	17	12	0	0	3	6	0	0	0	-	-	-	-					
	Cheltenham	2121 9	214	68.1	51.1	59.8	+1.4	84	20	38	1	60.7	56.7	3.77	96	+39	34	20	15	12	0	0	2	7	0	0	0	5.13	-1.50	31						
	Cirencester	9 9 9	443	66.4	48.7	57.5	+1.0	84	20	35	1	-	-	2.37	60	-	11	29	14	13	0	0	0	4	0	1	-	5.06	-	31						
	Parkend ..	9 9 9	325	66.0	48.1	57.1	-	84	21	33	1	56.9	52.4	3.06	78	-	24	29	15	11	0	0	1	6	0	2	-	5.62	-	34						
5. ENGLAND, S.E.																																				
London.	City, Bunhill Row..	9 9 9	110	71.2	54.5	62.9	+2.2	89	20,21	43	4	59.7	53.8	3.82	97	+46	26	25	19	18	0	0	0	4	-	0	-	-	6.05	-0.16	37					
	Camden Square ..	9 9 9	15	70.0	53.6	61.8	+2.8	84	20,21	43	4	-	-	3.08	78	+29	9	24	19	18	-	-	-	-	-	-	-	-	-	-	-					
	East Ham ..	9 9 9	148	70.8	53.2	62.0	+2.9	87	20	40	4	-	55.5	3.06	98	+44	14	21	19	17	0	0	0	5	0	0	-	5.92	-	36						
	Enfield ..	9 9 9	149	71.4	52.6	62.0	+2.8	88	21	41	3	58.4	54.6	3.41	87	+36	15	19	18	16	0	0	2	5	0	0	0	6.04	-0.69	37						
	Greenwich ..	2121 9	149	71.4	52.7	62.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Hampstead ..	9 9 9	450	68.3	51.4	59.9	+2.2	84	20,21	40	4	-	-	3.76	95	-	21	25	19	17	0	0	1	6	-	1	-	6.43	-0.63	398						
	Kensington ..	18-9 9	80	69.2	54.0	61.6	+1.9	86	20	43	4	60.6	55.1	3.14	80	+29	10	21	19	19	0	0	0	4	0	0	0	5.94	-	36						
	Kingsway ..	9 9 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Regent's Park	9 9 9	129	70.4	54.0	62.2	-	87	21	43	4	-	-	3.63	92	-	17	25	18	17	0	0	1	6	0	0	-	6.15	-0.31	37						
	Kew	2121 9	18	69.3	54.0	61.7	+2.7	85	20	44	4	61.2	55.2	3.53	90	+35	15	13	19	16	0	0	2	6	0	0	0	6.32	-0.33	38						
	Observatory ..	18-7 -	-	69.3	54.1	61.7	+2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Tottenham	2121 9	51	70.2	55.2	62.7	+2.3	87	20	44	4	-	56.5	3.33	85	+34	13	21	16	16	0	0	0	3	-	0	-	6.40	-0.44	39						
	Westminster	9 9 9	27	69.7	54.9	62.3	+2.5	85	20	43	4	-	-	2.92	74	+26	12	25	19	17	0	0	0	3	-	0	-	6.01	-0.45	36						
Surrey.	Addington ..	9 9 9	472	67.3	51.5	59.4	+2.3	84	20	39	1	-	-	3.06	78	-	9	2	18	16	0	0	0	3	1	-	-	-	-	-						
	Croydon ..	18-7 7	217	66.4	52.8	60.6	+2.5	86	20	39	1	-	-	2.50	63	+9	10	13	20	16	0	0	1	3	0	0	0	5.95	-1.03	36						
	Wiseley ..	9 9 9	150	68.8	51.5	60.1	+2.6	84	20	37	1	61.2	56.2	3.45	88	-	14	29	18	15	0	0	1	3	0	2	0	5.92	-0.96	36						
Kent.	Biggin Hill ..	18-7 7	567	65.8	52.0	58.9	+2.6	82	20	40	1,3	-	-	3.32	84	+25	11	13	19	18	0	0	1	8	1	0	0	6.78	-0.41	41						
	Bromley ..	9 9 9	213	69.8	53.1	61.5	-	87	20	41	4	-	-	2.92	74	+24	16	25	19	15	0	0	0	4	0	0	-	-	-	-						
	Canterbury ..	9 9 9	124	69.9	51.6	60.7	+2.2	85	20,21	37	4	59.2	55.2	2.98	76	-	20	21	18	13	-	-	-	-	1	-	-	-	-	-						
	Dover ..	9 9 9	22	66.5	54.0	60.3	+3.2	81	20,21	42	4	63.4	58.9	2.70	69	-	17	21	17	12	0	0	0	4	1	0	0	8.31	+0.63	51						
	Dungeness ..	18-7 7	20	64.5	51.4	57.9	+1.0	77	21	36	4																									







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				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													Amount	Date		0.2 mm. or more	1 mm. or more	Snow	Thunder	Fog	Frost	Gale	Daily Mean	Difference from Average
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	+16	21	19	12	7	0	0	0	2	2	-	0	-	-	-				
Devon.	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	-	-	-	-	-	-	-			
	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	+0.9	79	20	45	1, 2	60.6	56.7	1.94	49	- 4	13	1	16	10	0	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	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	-	-	1.80	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	-	-	1.14	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	+0.8	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	2.59	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	62.3	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.	9 9 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	-	-	-	-			
Donegal.	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					
	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	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	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	0	3	0	4	0	6.69	-	39				
	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	Dublin City	2121 9	54	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	-	-	-	-			
	Glasnevin	2121 9	55	65.8	48.7	57.1	+1.3	74	26	34	5	-	-	3.09	78	+27	20	1	16	11	0	0	0	5	0	2	0	-	-	-	-			
Phoenix Pk.	Phoenix Pk.	2121 9	155	65.8	47.3	56.5	+1.8	74	26	34	5, 18	-	-	2.80	71	+21	16	21	17	12	0	0	1	5	0	0	-	6.24	+0.05	37				
Trin. Coll.	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	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	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	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.	Foynes	9 9 9	43	65.3	50.8	58.1	+1.6	76	26	39	5	-	-	3.46	88	+22	19	19	19	15	-	-	-	-	-	-	-	-	-	-	-			
Kerry.	Valentia Obs.	242424	30	61.7	51.8	56.7	+0.5	71	25	37	5	59.6	54.9	2.24	57	-24	13	16	18	12	0	0	0	2	1	1	0	5.42	-0.45	38				
Cork.	Ballinacurra	9 9 9	24	64.3	50.3	57.5	+1.4	72	10, 26	38	4	-	-	1.72	44	-22	11	16	17	10	0	0	0	2	-	-	6.27	-0.10	38					
	Cork	9 9 9	57	66.7	50.5	58.6	-	75	9, 26	39	4	-	-	1.55	39	-25	12	14	16	9	0	0	0	0	1	-	6.46	-	39					
Roche's Pt.	Roche's Pt.	18-7 7	22	63.2	52.5	57.9	+1.5	68	6, 25, 29	44	2, 4	-	-	1.88	48	-20	17	16	19	13	0	0	0	2	1	-	0	-	-	-	-			
11. CHANNEL ISLES AND SCILLY.																																		
Scilly.	St. Mary's	18-7 7	163	62.5	52.6	57.5	+0.8	72	18, 23	45	1	-	-	1.36	35	- 8	13	18	15	8	0	0	1	3	2	-	0	5.90	-1.38	36				
Guernsey.	St. Peter Port	18-7 7	175	64.0	52.7	58.3	+1.3	74	19, 25	45	1	61.7	57.3	1.77	45	- 2	12	28	13	11	0	0	0	3	2	0	0	6.23	-1.99	39				
Jersey.	St. Heliers	9 9 9	28	65.1	54.1	59.3	+0.9	81	20	46	1	-	-	2.21</																				







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.			
																0	1	2	3																	4	5	6
2. ENGLAND, N.E.—cont.																																						
Durham.	Durham ..	H	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	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 ..	H	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	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	0	1	3	12	5	9	0	0	6	23	1	3	10	3	1	2	4	5	1
Yorks., N. Riding	Scarborough ..	H	18	186	1015.0	-	59.6	4.5	13.1	74	6.9	2	3	6	11	8	0	0	0	0	1	3	7	9	9	1	0	6	22	2	7	6	1	2	3	1	7	1
			9	96	1015.8	-	58.1	4.0	12.5	76	5.5	0	14	3	10	3	0	1	1	0	2	2	5	14	5	0	0	4	28	0	1	3	0	3	2	5	2	14
Yorks., N. Riding	York ..	H	9	53	1016.1	-	58.9	3.8	13.2	77	6.7	1	4	10	5	10	-	-	-	-	-	-	-	-	-	-	0	0	30	0	6	1	1	1	6	2	5	8
			21	53	1016.2	-	56.8	3.2	12.4	78	4.8	2	13	5	0	10	-	-	-	-	-	-	-	-	-	-	0	0	26	4	3	1	4	2	3	3	7	3
Yorks., E. Riding	Spurn Head ..	H	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	6.8	0	5	8	10	7	0	0	0	0	0	3	14	10	3	0	0	8	18	4	2	3	4	3	2	3	6	3
Yorks., E. Riding	Spurn Head ..	H	13	28	1015.7	-	59.7	3.9	13.8	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
Lincoln.	Cranwell ..	H	7	243	1016.0	-	54.5	1.7	13.0	89	7.8	0	2	5	14	9	0	0	0	0	3	2	20	5	0	0	0	2	24	4	6	3	0	5	2	5	4	1
			13	243	1015.8	-	63.7	5.6	14.6	71	7.8	0	4	4	14	8	0	0	0	0	0	1	15	11	3	0	0	11	19	0	4	4	3	2	7	5	5	0
			18	243	1015.2	-	62.5	4.9	14.3	75	7.5	0	4	5	14	7	0	0	0	0	0	0	12	12	6	0	0	8	22	0	5	6	4	1	4	3	6	1
3. ENGLAND, E.																																						
Norfolk.	Cromer ..	H	9	74	1015.4	-	59.2	3.8	13.8	79	6.4	1	2	14	8	5	0	0	0	0	1	16	11	2	0	0	1	29	0	6	1	2	5	5	2	0	9	
			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
Norfolk.	Yarmouth ..	H	7	26	1015.8	-0.2	58.5	2.7	13.1	83	7.1	0	5	2	17	6	0	0	0	0	0	21	9	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	
			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	
Suffolk.	Felixstowe Aero.	H	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Suffolk.	Mildenhall	H	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			7	21	1015.7	-	57.2	2.6	13.4	84	7.2	0	5	5	11	9	0	0	0	0	1	6	12	4	7	0	0	4	23	3	2	4	2	5	3	4	4	3
Suffolk.	Mildenhall	H	13	21	1015.3	-	66.3	7.5	13.7	62	7.7	0	2	4	16	8	0	0	0	0	0	7	16	0	0	0	12	18	0	3	3	2	5	3	5	5	4	
			18	21	1014.8	-	64.9	6.8	14.4	66	6.7	2	5	4	13	6	0	0	0	0	0	6	8	16	0	0	0	8	21	1	6	1	6	2	3	4	5	2
Cambridge.	Cambridge	H	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 ..	H	9	396	1015.8	-	59.7	3.4	14.1	80	6.4	2	6	4	12	6	0	0	0	0	4	26	0	0	0	0	1	20	9	7	0	1	4	2	2	2	3	
Essex.	Shoeburyness	H	7	12	1016.1	-	58.8	3.0	14.0	82	6.9	2	2	5	16	5	0	0	0	0	1	3	12	3	11	0	0	2	26	2	4	3	2	2	4	3	5	5
			13	12	1015.9	-	65.3	6.5	14.3	66	6.4	0	6	8	11	5	0	0	0	0	0	6	5	19	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	0	5	7	17	1	0	5	25	0	3	4	4	3	6	5	4	1	
4. MIDLAND COUNTIES.																																						
Yorks., W. Riding.	Harrogate ..	H	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 ..	H	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	0	3	27	0	3	8	1	1	1	8	5	3
Warwick.	Birmingham	H	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	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	0	0	2	3	7	1	17	0	0	2	27	1	4	4	2	3	4	4	4
Oxford.	Oxford ..	H	9	212	1016.1	-0.9	59.8	4.3	13.2	75	6.7	1	9	1	7	12	0	0	0	0	1	2	12	3	12	0	0	3	26	1	5	3	2	2	3	7	4	3
Shropshire.	Shrewsbury	H	9	186	1015.8	-	59.1	3.8	13.7	80	7.3	0	1	13	5	11	0	0	0	0	0	10	0	20	0	0	6	19	5	4	1	4	2	3	2	8	1	
Hereford.	Ross-on-Wye	H	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	5.8	14.4	71	7.8	0	2	5	17	6	0	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	0	0	2	5	7	12	4	0	3	27	0	6	1	2	0	2	8	7	4
			21	226	1015.5	-	58.1	2.7	14.1	84	6.7	0	5	9	10	6	0	0	0	0	1	1	12	6	10	0	0	1	27	2	3	1	3	0	3	9	6	3
Gloucester.	Cheltenham	H	9	230	1016.2	-	60.2	4.4	13.3	75	7.5	0	3	5	13	9	0	0	0	0	1	3	1	9	16	0	0	0	29	1	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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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5. ENGLAND, S.E.—cont.			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</







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

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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 Penderennis 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.



TABLE I.—DISTRICT VALUES.— JULY, 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.	75	34	+1.8	—	—	142	+ 3	101	27
1. SCOTLAND, E.	76	35	+1.2	—	—	148	+ 4	89	27
2. ENGLAND, N.E.	78	42	+0.2	+0.6	+0.9	137	+ 6	86	29
3. ENGLAND, E.	78	33	-0.4	-0.1	+0.6	168	+ 7	77	31
4. MIDLAND COUNTIES ..	76	38	-1.1	-0.4	+0.5	205	+ 7	73	26
5. ENGLAND, S.E.	80	39	-1.2	+0.1	+0.7	168	+ 8	75	32

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.	75	39	-0.1	+0.7	+0.3	160	+ 5	85	25
6. SCOTLAND, W. (and I. of Man)	73	41	-0.5	0.0	+1.1	126	+ 5	74	26
7. ENGLAND, N.W. (and N. Wales)	74	39	-1.0	-0.5	+0.6	212	+12	64	26
8. ENGLAND, S.W. (and S. Wales)	70	41	-0.3	+0.5	+0.8	188	+ 6	73	21
9. IRELAND, N. ...	74	41	-0.8	+0.1	+0.1	189	+10	76	25
10. IRELAND, S. ...	78	52	-0.6	-1.4	0.0	241	+ 5	83	40
11. CHANNEL I. (and Scilly)	80	33	-0.4	+0.1	+0.6	170	+ 7	77	27
Mean: DISTRICTS 1-10									

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.— JULY, 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					
													mi/hr.	m/s.		mi/hr.	m/s.	d.	h.	m.			
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d.	h.	m.	
Shetland. †Lerwick ..	310	53	39	-	0	8	63	363	292	26	0	240	31	14	30	18	47	21	9	11	40		
Orkney. Kirkwall ..	170	40	35	-	0	5	15	350	356	23	0	70	28	13	18	15	48	21	24	13	10		
Hebrides. Stornoway ..	—	—	—	-																			
1. SCOTLAND, E.																							
Aberdeen. Aberdeen ..	70	42	32	-	0	0	0	98	382	264	0	330	21	9	20	18	49	22	25	11	05		
Kincardine. Balmakewan ..	140	25	20	-	0	0	0	29	(391)	(324)	0	20	17	8	11	14	34	15	24	15	10		
Angus. Bell Rock Lighthouse	130	—	126	-	0	8	82	289	277	87	9	110	36	16	23	14	51	23	23	13	40		
Edinburgh. Edinburgh ..	485	39	23	-	0	1	4	107	265	143	225	200	26	12	25	10	41	18	25	05	10		
6a. SCOTLAND, W.																							
Argyll. Tiree ..	75	50	42	-	0	2	3	189	404	148	0	220	28	13	30	24	39	17	30	22	50		
Renfrew. Paisley ..	188	81	31	-	0	0	0	59	450	235	0	180	21	9	25	08	51	23	25	07	45		
Renfrew. Renfrew (Abbotsinch)	65	46	34	-	0	0	0	123	382	239	0	210	23	10	25	08	47	21	25	07	45		
Dumfries. Eskdalemuir ..	825	50	35	-	0	4	52	163	354	175	0	200	36	16	24	14	57	26	24	13	45		
6b. ISLE OF MAN.																							
Isle of Man. Point of Ayre ..	70	40	—	-	0	6	56	294	268	124	2	250	36	16	24	11	55	25	24	10	35		
2. ENGLAND, N.E.																							
Durham. South Shields ..	73	57	44	-	0	3	12	233	364	135	0	330	30	13	10	14	43	19	10	11	40		
Yorks., N.R. Catterick ..	220	45	33	-	0	1	1	125	379	239	0	210	25	11	24	10	50	22	24	15	50		
Yorks., E.R. Spurn Head ..	64	42	34	-	0	9	44	341	298	58	3	210	33	15	18	16	52	23	18	15	20		
Lincoln. Cranwell ..	284	43	33	-	0	2	6	178	454	106	0	180	25	11	18	14	48	21	18	17	45		
3. ENGLAND, E.																							
Norfolk. Gorleston ..	52	42	34	-	0	5	31	175	473	62	3	160	34	15	23	16	54	24	18	14	10		
Suffolk. Felixstowe Aero. ..	60	45	35	-	0	0	0	182	480	82	0	230	23	10	18	17	47	21	18	14	15		
Suffolk. Mildenhall ..	64	45	20	-	0	0	0	182	480	82	0	230	23	10	18	17	47	21	18	14	15		
Bedford. Cardington ..	285	150	135	-	0	5	35	333	336	40	0	190	38	17	18	16	59	26	18	17	45		
Essex. Shoeburyness ..	115	104	89	-	0	10	74	342	297	31	0	210	37	17	18	17	49	22	18	16	20		
4. MIDLAND COUNTIES.																							
Warwick. Birmingham ..	643	118	73	-	0	0	0	149	510	85	0	180	22	10	18	12	44	20	18	14	30		
5. ENGLAND, S.E.																							
London. South Kensington ..	137	110	30	-	0	0	0	72	599	73	0	210	20	9	18	14	51	23	18	12	25		
Surrey. Kew Observatory ..	92	75	50	-	0	2	10	156	491	87	0	170	28	12	18	16	52	23	18	17	05		
Surrey. Croydon ..	313	105	70	-	0	3	15	314	360	55	0	210	31	14	18	16	53	24	18	15	30		
Kent. Dover ..	66	66	60	-	0	5	14	331	337	62	0	—	29	13	18	23	47	21	19	00	10		
Kent. Lympne ..	418	76	48	-	0	6	34	232	411	67	0	200	32	14	18	11	55	25	18	10	20		
Hampshire. Calshot ..	58	50	42	18	3	8	58	301	347	35	0	190	41	18	18	20	59	26	18	17	10		
Wiltshire. Boscombe Down ..	462	45	33	-	0	1	17	200	463	64	0	200	32	14	18	16	53	24	18	16	00		
Wiltshire. Larkhill ..	491	51	36	-	0	2	12	255	428	49	0	200	33	15	18	16	63	28	18	16	05		
7a. ENGLAND, N.W.																							
Lancashire. Fleetwood ..	112	50	31	-	0	6	32	349	286	77	0	330	31	14	11	01	56	25	24	10	40		
Lancashire. Manchester (Barton)	153	83	80	-	0	3	9	244	382	109	0	240	32	14	24	13	52	23	24	12	10		
Lancashire. Southport ..	60	42	33	-	0	9	73	362	266	43	0	250	32	14	13	13	50	22	24	12	15		
Cheshire. Bidston Obs'y. ..	262	64	39	-	0	5	38	341	268	75	22	250	34	15	24	13	57	25	24	13	25		
7b. NORTH WALES.																							
Anglesey. Holyhead ..	68	43	35	-	0	2	21	385	298	40	0	200	36	16	24	04	64	29	17	20	10		
Flint. Sealand ..	81	65	42	-	0	2	4	240	432	68	0	300	28	13	20	15	44	20	24	12	15		
8b. ENGLAND, S.W.																							
Devon. Moretonhampstead	838	40	35	-	0	0	0	210	443	91	0	210	24	11	18	10	52	23	18	11	30		
Devon. Plymouth ..	185	88	65	-	0	4	33	219	386	106	0	—	38	17	18	13	48	21	18	12	35		
Cornwall. The Lizard ..	315	75	60	18	3	9	80	394	240	27	0	200	40	18	18	09	56	25	18	11	05		
Cornwall. Pendennis Castle ..	256	65	42	18	7	11	93	314	285	33	12	240	45	20	18	11	62	28	18	10	30		
9. IRELAND, N.																							
Donegal. Dunfanaghy Road	180	47	30	-	0	4	13	46	117	513	55	—	34	15	30	24	55	25	30	23	10		
Antrim. Aldergrove ..	282	40	20	-	0	2	8	110	486	140	0	230	27	12	24	16	49	22	24	16	35		
10. IRELAND, S.																							
Dublin. Kingstown (Cup Anr.)	49	27	27	-	0	111	78	333	266	67	0	280	37	17	31	11	—	—	—	—	—		
Clare. Quilty ..	100	40	32	23	3	4	29	323	316	55	18	—	40	18	23	20	54	24	23	18	55		
Kerry. Valentia Observatory	98	41	33	-	0	3	24	275	384	61	0	250	34	15	23	22	60	27	23	21	40		
Cork. Cork ..	132	71	40	-																			
11. SCILLY ISLES.																							
St. Mary's ..	230	65	57	-	0	12	150	434	152	8	0	220	35	16	18	05	50	22	18	04	50		

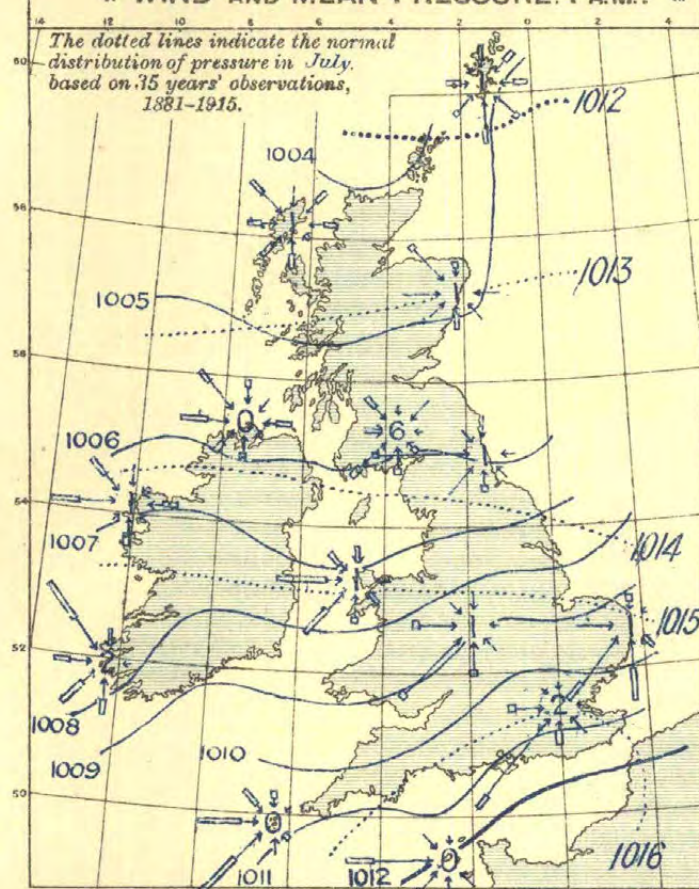
†† Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

‡ Data inaccurate prior to October, 1929 (see 1933 Annual Summary Wind Section).

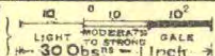


# 1. WIND AND MEAN PRESSURE. 7 A.M.

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

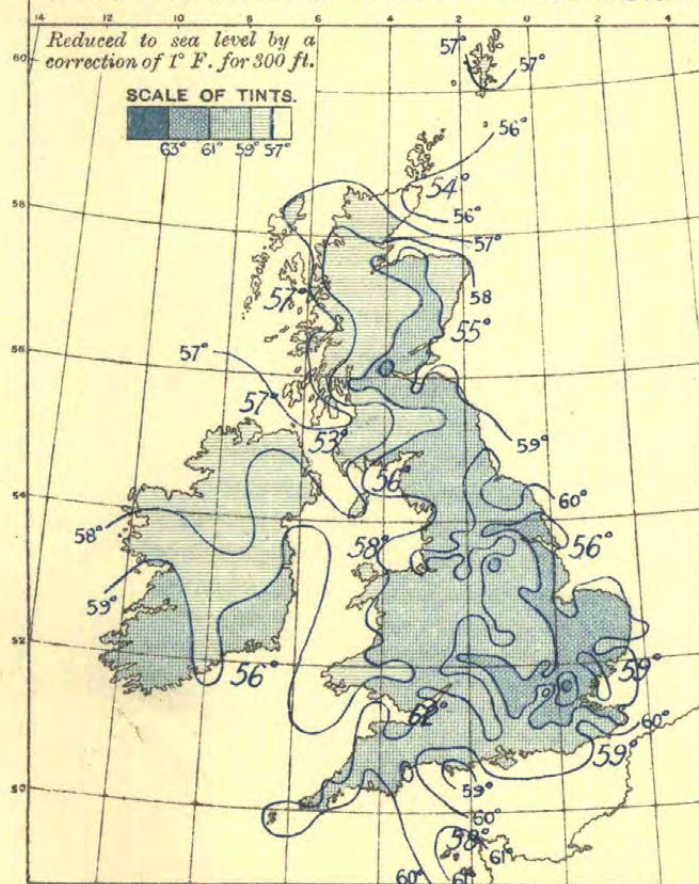
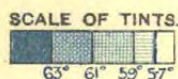


WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:



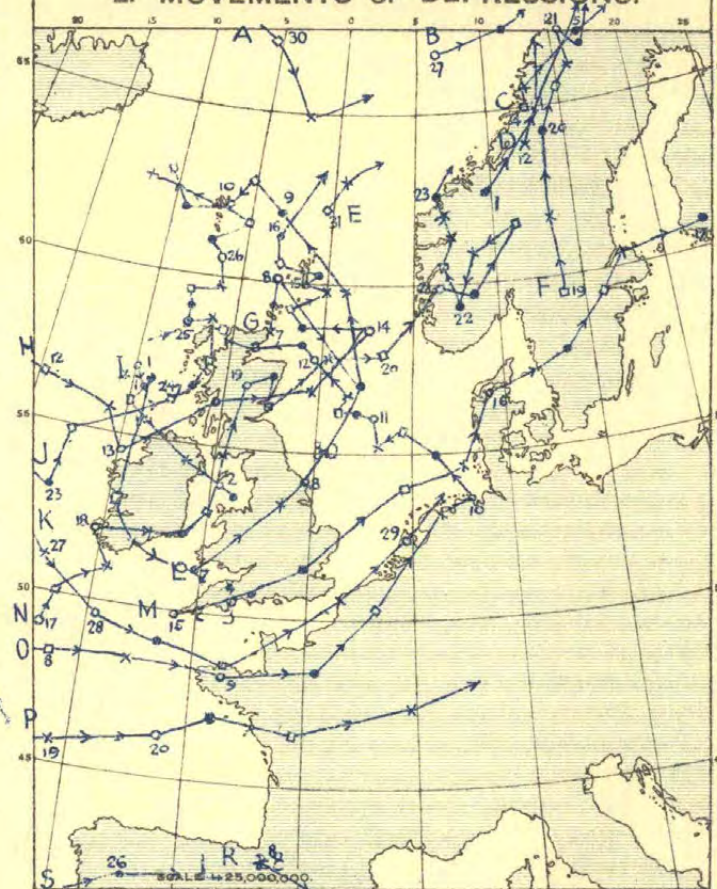
# 3. DISTRIBUTION OF MEAN TEMPERATURE.

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



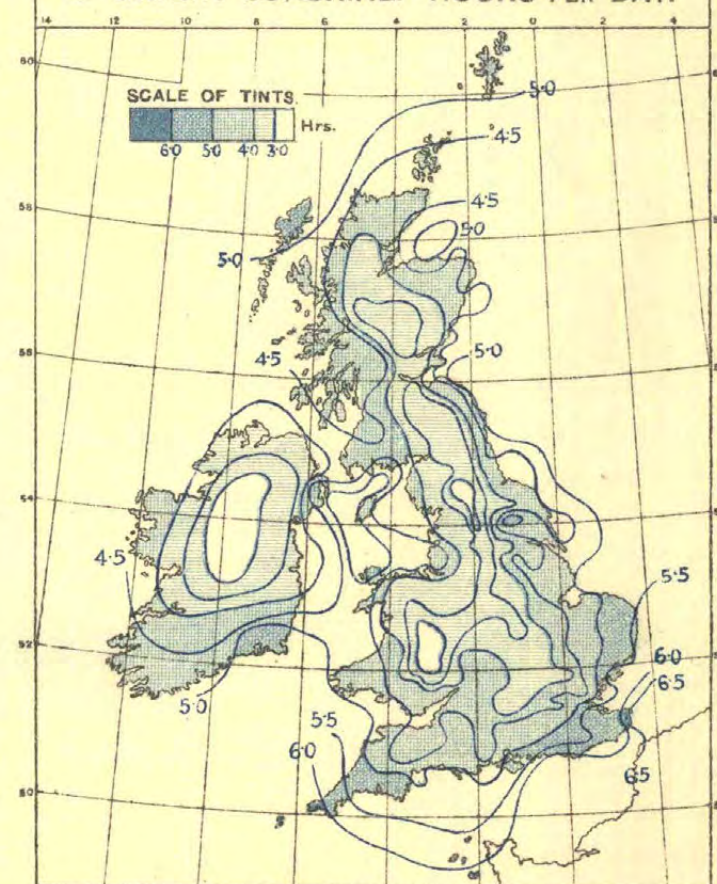
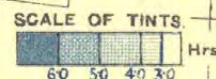
Sea temperatures are shown in large figures, thus: 56°

# 2. MOVEMENTS OF DEPRESSIONS.



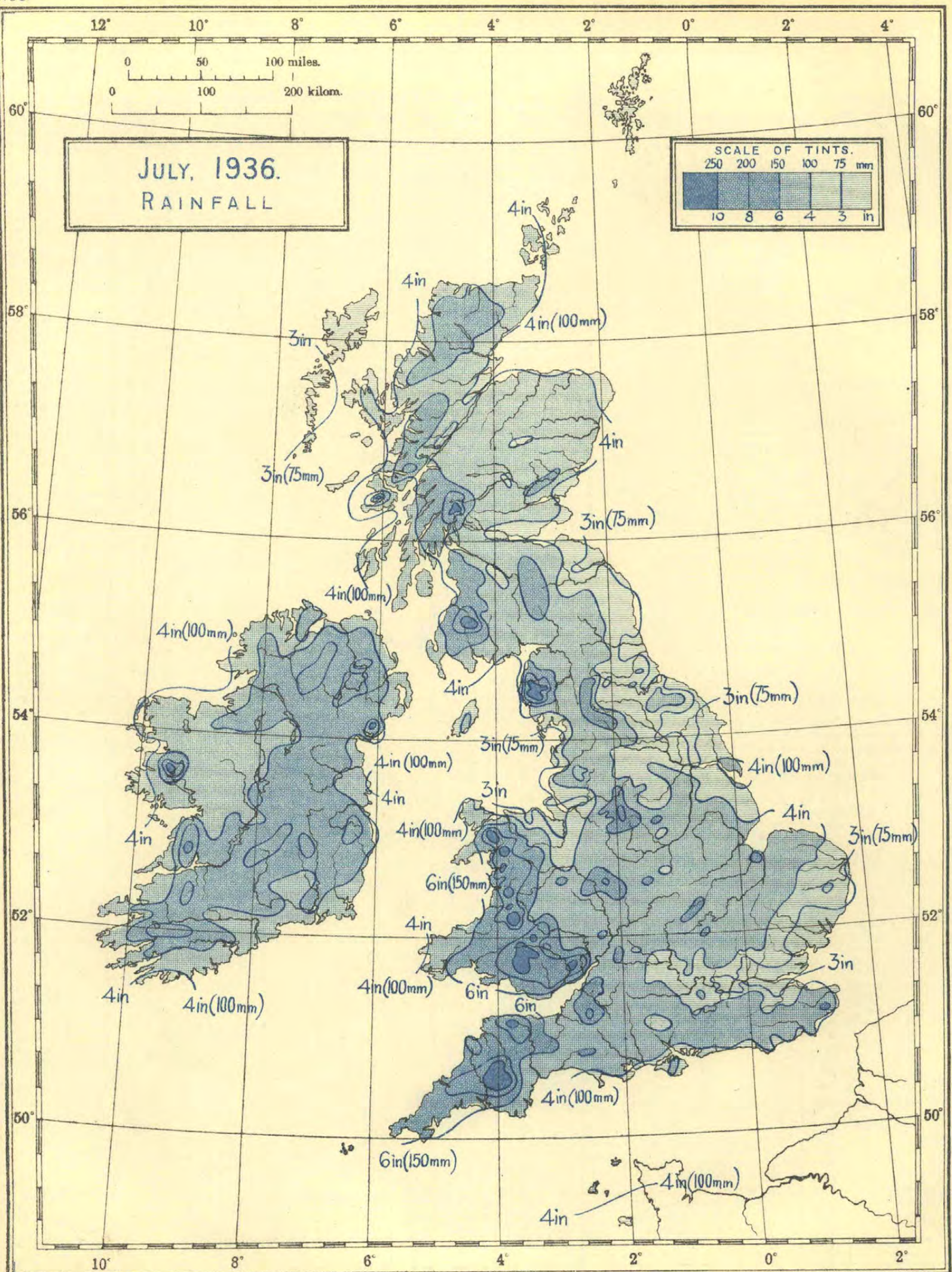
Positions of centres are shown thus: ○ at 1hr; ● at 7h; □ at 13h; × at 18h.

# 4. BRIGHT SUNSHINE. HOURS PER DAY.



\*The pressure is expressed in millibars.





Scale 1 : 5,000,000.

Fr. 480/3120. Wt. 22 A. D. 17. Gp. 908. 325. 8/36.

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, 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			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 Max.	B Min.		Maximum	Date	Minimum													Date	1 ft.		4 ft.	0.2 mm. or more	1 mm. or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average
0. SCOTLAND, N.																																			
Shetland.		Baltasound	9 9 9	31	61.7	52.3	57.0	+3.7	65	12,20	46	23	57.0	-	3.96	101	+37	26	20	26	13	0	0	0	0	0	0	0	0	0	5.14	+0.93	28		
		Lerwick	18-7 7	156	59.7	52.7	56.2	+3.5	64	5	47	23	-	-	3.45	88	+34	14	30	21	15	0	0	0	0	0	1	-	0	4.66	+0.26	26			
Orkney.		Deerness	2121 9	160	-	-	-	-	-	-	-	-	-	-	3.79	96	+31	23	13	19	15	-	-	-	-	-	-	-	-	4.04	-0.21	23			
		Kirkwall	9 9 9	113	60.6	52.1	56.3	+2.2	68	6	43	23	55.3	-	4.03	102	+34	23	13	20	17	0	0	0	0	2	3	1	0	4.18	-0.07	24			
Hebrides.		Skallary	101010	30	61.7	51.7	56.7	-	66	18	44	17	-	-	2.87	73	-	17	30	20	14	0	0	0	0	0	-	-	-	-	-	-			
		Stornoway (C.G.)	18-7 7	80	61.5	52.0	56.7	+2.6	69	1	46	11	-	-	3.41	87	-	19	30	21	11	0	0	0	0	0	-	1	5.26	+0.48	30				
		Stornoway	- 9 9	30	-	-	-	-	-	-	-	-	-	-	3.74	95	+18	22	30	19	13	-	-	-	-	-	-	-	-	-	-	-			
Skye.		Duntulm	9 9 9	294	60.6	50.6	55.6	-	68	1	43	27	-	-	3.33	85	-	23	23	15	11	0	0	0	0	0	0	0	0	4.50	-	26			
Caithness.		Wick	18-7 7	81	59.8	51.1	55.5	+2.8	66	9	40	23	-	-	4.77	121	+54	22	13	24	19	0	0	0	0	0	3	-	0	-	-	-			
		Achnashellach	9 9 9	225	63.9	50.5	57.2	-	74	1,2	40	21,22	-	-	5.19	132	+1	24	25	20	18	0	0	0	0	0	0	0	-	-	-	-			
Gromarty.		Fortrose	9 9 9	69	65.0	53.0	59.0	+2.4	72	1	45	27	-	-	5.25	133	-	24	18	20	16	0	0	0	0	2	0	0	4.30	-0.90	25				
Inverness.		Dalwhinnie	18-7 7	1176	61.3	47.0	54.1	-	70	1	34	27	-	-	5.24	133	-	22	18	23	20	0	0	0	0	1	0	3	0	3.03	-	18			
		Ft. Augustus	9 9 9	68	65.1	50.7	57.9	+1.3	75	1,3	40	17,29	-	-	3.65	93	+22	11	9	23	17	0	0	0	0	2	2	-	3.70	-	228				
		Ft. William	9 9 9	34	63.6	51.2	57.4	+0.2	72	1	42	17	58.9	55.4	6.06	154	+32	29	25	22	19	0	0	0	0	2	0	0	0	3.49	-	208			
		Inverness	9 9 9	242	63.6	51.7	57.7	+0.4	71	2	45	17,27	-	-	3.66	93	+28	16	7	20	16	0	0	0	0	2	1	0	0	4.40	-0.31	26			
1. SCOTLAND, E.																																			
Nairn.		Nairn	9 9 9	20	64.6	51.9	58.3	+2.4	75	2	44	27	-	-	4.65	118	+50	22	7	22	16	0	0	0	0	1	0	-	0	4.85	+0.29	28			
Moray.		Forres	9 9 9	155	66.0	51.6	58.8	-	76	2	44	27	-	-	5.38	137	-	30	12	20	15	0	0	0	0	3	1	-	0	5.04	-	29			
		Gordon Castle	2121 9	104	65.3	52.1	58.7	+1.6	73	2,3	45	27	-	-	4.20	107	+26	26	17	21	16	0	0	0	0	5	-	-	4.55	-0.26	268				
Banff.		Banff	9 9 9	130	63.4	52.9	58.1	+1.9	72	6	46	23,27	-	-	3.99	101	+29	12	12,17	20	17	0	0	0	0	3	0	0	0	4.41	-0.49	26			
Aberdeen.		Aberdeen	242424	79	63.4	53.3	58.3	+2.0	73	4,5	46	28	59.0	54.8	4.67	119	+48	22	11	21	17	0	0	0	0	4	2	0	0	4.45	-0.44	26			
		Balmoral	9 9 9	927	62.9	46.9	54.9	+0.1	70	31	35	27	-	-	3.44	87	+22	17	18	19	15	0	0	0	0	2	-	1	0	-	-	-			
		Braemar	2121 9	1111	63.0	47.3	55.1	+0.4	70	31	36	27	-	-	3.14	80	+15	12	17	22	20	0	0	0	0	1	2	0	0	3.77	-	228			
		Craibstone	9 9 9	300	63.2	50.9	57.1	-	72	5	42	23	57.6	54.0	5.36	136	+61	23	11	24	17	0	0	0	0	1	-	0	-	4.60	-	27			
Kincaidine.		Logie Coldstone	9 9 9	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		Stonehaven	9 9 9	12	64.4	51.8	58.1	-	75	31	43	23	-	-	4.36	111	-	26	11	23	19	0	0	0	0	1	2	-	-	4.24	-	25			
Angus.		Arbroath	2121 9	93	65.2	52.1	58.7	+1.6	75	31	43	29	-	-	3.39	86	+23	13	23	20	16	0	0	0	0	5	2	0	0	4.95	-	29			
		Carnoustie	9 9 9	39	64.9	52.3	58.6	+2.6	74	31	45	27	-	-	3.28	83	+16	15	26	21	16	0	0	0	0	4	-	0	0	4.26	-1.27	25			
		Dundee	9 9 9	147	66.5	50.9	58.7	+0.7	73	7	46	27	61.1	-	4.29	109	+44	25	19	21	16	0	0	0	0	5	-	0	0	4.38	-0.97	26			
		Kettins	9 9 9	218	66.0	50.6	58.3	+0.8	73	31	38	27	61.7	-	3.11	79	+13	22	23	25	14	0	0	0	0	5	1	0	3	-	-	-			
		Montrose	9 9 9	16	64.4	52.3	58.3	+2.0	75	31	43	28	-	-	3.77	96	-	22	7	19	16	0	0	0	0	2	1	-	0	4.76	-0.62	28			
Perth.		Crieff	2121 9	478	64.5	49.9	57.2	-0.4	71	10	42	27	-	-	4.84	123	+48	25	23	23	16	0	0	0	0	5	-	0	-	-	-	-			
		Perth	9 9 9	76	67.7	51.5	59.6	+0.8	74	7,9	40	27	-	-	4.39	111	+38	21	17	21	20	0	0	0	0	3	-	-	3.90	-1.63	23				
Fife.		Cupar	9 9 9	210	66.1	52.4	59.3	+1.4	72	7,31	44	27	-	-	4.22	107	-	25	19	20	18	0	0	0	0	1	-	-	-	-	-	-			
		Dunfermline	9 9 9	237	64.8	51.8	58.3	-	71	7	43	27	61.2	57.3	2.99	76	-	10	19	18	15	0	0	0	0	7	0	0	0	3.72	-	22			
		Inchkeith	18-7 7	190	63.0	53.0	58.0	+0.4	69	7	48	27	-	-	4.27	109	+51	38	1	17	14	0	0	0	0	2	0	0	0	4.85	-	29			
		Kirkcaldy	9 9 9	63	66.4	53.1	59.7	+2.1	73	7	45	27	-	-	3.83	97	-	21	1	17	12	0	0	0	0	2	-	-	-	-	-	-			
		Leuchars	18-7 7	35	65.3	51.8	58.5	+0.6	73	31	44	29	-	-	5.33	135	+69	32	28	20	17	0	0	0	0	1	5	0	0	4.51	-0.92	27			
		St. Andrews	9 9 9	13	65.0	52.5	58.7	+2.3	73	31	44	27	60.2	55.4	4.44	113	+43	20	27	22	19	0	0	0	0	4	0	0	-	4.89	-0.56	29			
Mid Lothian.		Edinburgh—																																	
		Blackford H.	2121 9	441	64.2	52.4	58.3	+1.0	69	2,7,15	46	27	-	-	4.36	111	+39	24	19	16	15	0	0	0	0	4	0	0	0	4.59	-0.74	278			
		Boghall	9 9 9	639	64.0	50.7	57.3	-	69	6	43	27	58.4	55.8	4.52	115	-	27	19	21	17	0	0	0	0	4	0	0	-	4.06	-	24			
		Liberton	9 9 9	190	66.5	52.0	59.3	-	73	4	44	17,27	-	-	3.89	99	-	21</																	



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										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				Means of		Difference from Average	Absolute Maximum and Minimum				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		Amount	Date		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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
6b. ISLE OF MAN.		9.M.T.	ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.

† 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 last page of this issue.

†† Health Resort Station.



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				Total Fall			Difference from Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Mean g Obs.)	Ground Frost	Gale	Hours per day																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum													Date	1 ft.	4 ft.	Amount	Date	0.2 mm. or more	1 mm. or more	Snow	Thunder	Fog	Ground	Gale	Daily Mean	Difference from Average	Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4. MID. COUNTIES—cont.			G.M.T.	ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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.		Mean of A and B	Maximum	Date	Minimum																Date	in.	mm.	mm.	mm.	0.2 mm. or more
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.			Amount	Date	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.
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	1	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	4	0	1	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	-	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	2	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	4	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	2	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	1	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	-	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	1	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	3	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	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	1	6	2	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	1	5	0	0	1	-	-	-
	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	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	3	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	5	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	6	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	3	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	6	-	-	-	-	-	
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	3	-	0	3.41	-1.40	218	
	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	5	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	6	0	0	-	3.55	-1.23	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	2	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	4	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	3	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	2	1	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	2	-	0	-	2.88	-1.56	178	
	(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	-	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	4	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	4	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	1	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	3	-	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	3	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	3	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	4	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	1	2	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	2	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	2	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	17	23	16	0	0	0	2	0	-	4.60	-1.53	28	
Carnarvon.																														
	Aber	9 9 9	60	63.5	53.9	58.7	-	72	17	49	3,9	-	-	4.80	122	-	20	1	22	22	0	0	0	3	-	0	3.86	-	24	
	Llandudno	9 9 9	13	64.1	54.9	59.5	-0.5	73	17	49	27	-	-	2.95	75	+18	13	22	22	16	0	0	0	2	0	0	4.51	-1.76	28	
Montgomery.																														
	Welshpool	9 9 9	254	65.7	51.1	58.4	-1.3	70	4,17	42	31	-	-	4.39	111	+53	21	18	22	16	0	0	1	2	0	-	-	-	-	
8a. SOUTH WALES.																														
Cardigan.	Aberystwyth	9 9 9	12	63.0	54.9	58.9	-0.6	73	17	45	30	-	-	5.58	142	-	21	30	25	21	0	0	0	1	0	-	3.96	-1.85	24	
	" P.B.S.†	9 9 9	452	61.8	53.0	57.4	-	71	17	47	27	-	-	6.82	173	-	29	30	26	18	0	0	0	1	0	0	3.90	-	24	
	Ciliau Aeron	9 9 9	252	64.3	52.3	58.3	-	72	17	44	30	-	-	5.91	160	-	17	12	25	20	0	0	0	0	-	-	4.32	-	27	
Pembroke.																														
	Haverfordwest	2121 9	233	64.6	52.8	58.7	-	69	5	45	22,27	-	-	5.79	147	-	31	22	23	18	0	0	0	0	0	-	4.88	-	30	
	St. Ann's Hd.	18-7 7	142	61.9	54.7	58.3	-0.6	65	17	52	10,22,30	-	-	4.34	110	+47	18	8	26	20	0	0	0	1	0	-	2	4.90	-1.73	31
Radnor.																														
	Llandrindod Wells	9 9 9	772	63.3	50.6	56.9	-	70	1	39	27	-	-	5.82	148	-	23	9	23	20	0	0	0	2	0	-	2.64	-	16	
	Rhayader	9 9 9	757	62.3	51.3	56.8	-0.8	68	4	42	27	-	-	6.40	163	+73	27	17	28	23	0	0	0	2						



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										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				Means of				Absolute Maximum and Minimum								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	Difference from Average	Maximum	Date	Minimum	Date	1 mm. or more	1 mm. or more						Snow	Snow lying	Hail	Thunderstorm							Fog (Morn'g Obs.)	Ground Frost		Gale	Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8b. ENGLAND, S.W.—cont.		C.M.T.	ft.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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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 JULY, 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 Vis.	8 or more	4	1	2	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																						0	1	2																	
2. ENGLAND, N.E.—cont.																																									
Durham. Durham ..		9	352	1006.4	-	60.1	3.7	13.8	78	8.1	0	2	4	13	12	0	0	00	0	3	2	6	10	10	0	0	2	26	3	4	0	0	1	9	3	10	1				
			21	352	1006.6	-	56.5	1.9	13.5	87	7.1	5	2	4	3	17	0	0	0	0	1	4	7	16	3	0	0	1	23	7	1	0	1	11	1	7	2				
Yorks., Catterick ..		H	7	186	1006.7	-	56.5	2.4	13.2	85	8.5	0	2	0	21	8	0	0	1	0	1	3	5	4	15	2	0	3	24	4	1	1	0	2	7	4	8	4			
			13	186	1006.8	-	62.4	5.5	13.2	68	8.5	0	0	4	18	9	0	0	0	0	0	0	1	6	4	16	4	0	13	16	2	1	2	3	4	2	7	6	4		
Yorks., N. Riding		H	18	186	1006.8	-	60.9	4.1	14.1	77	8.1	0	2	4	18	7	0	0	0	0	1	2	5	7	11	5	0	4	22	5	3	1	1	0	5	7	9	0			
			9	96	1006.5	-	62.0	4.1	14.6	77	5.3	0	14	4	13	0	0	1	0	0	0	0	9	10	11	0	0	8	22	1	1	1	0	7	3	5	10	3			
Yorks., N. Riding. York ..		H	9	53	1007.8	-	60.7	3.6	14.6	79	7.3	0	3	10	5	13	-	-	-	-	-	-	-	-	-	-	0	1	29	1	2	0	1	2	5	5	11	4			
			21	53	1008.1	-	58.9	2.5	14.5	84	6.1	1	11	4	5	10	-	-	-	-	-	-	-	-	-	-	-	0	1	30	0	2	0	3	2	7	3	12	2		
Yorks., E. Riding. Spurn Head ..		H	1	28	1007.8	-	57.4	1.2	14.7	92	6.4	1	6	7	13	4	0	0	0	0	0	0	5	14	12	0	0	11	16	4	0	1	0	1	6	6	7	6			
			7	28	1007.7	-6.7	58.0	1.6	14.8	90	8.0	0	0	1	5	17	8	0	0	0	2	0	0	10	12	7	0	0	20	10	1	1	1	0	5	7	11	4			
			13	28	1008.0	-	64.0	3.9	16.2	78	8.5	0	0	3	22	6	0	0	0	0	0	0	0	6	16	9	0	0	20	10	1	0	1	2	4	3	5	9	6		
			18	28	1007.8	-	61.7	2.9	16.0	83	8.1	0	2	2	22	5	0	0	0	0	0	0	0	6	19	6	0	0	15	14	2	0	2	2	6	4	3	6	6		
Lincoln. Cranwell ..		H	7	243	1008.8	-	56.2	1.4	14.0	91	7.9	0	3	5	10	13	0	0	1	1	2	2	17	7	1	0	0	13	18	0	2	0	1	4	4	12	8	0	0		
			13	243	1008.9	-	63.4	5.2	14.4	73	8.8	0	1	1	20	9	0	0	0	0	0	0	0	12	7	12	0	0	13	18	0	2	0	0	3	6	10	10	0		
			18	243	1008.7	-	62.4	4.5	14.5	76	8.3	0	2	3	20	6	0	0	0	0	0	0	1	8	8	14	0	0	10	20	1	1	1	1	4	5	10	7	1		
3. ENGLAND, E.																																									
Norfolk. Cromer ..		H	9	74	1008.7	-	61.1	3.1	15.0	83	7.1	0	0	17	8	6	0	0	0	0	0	0	11	20	0	0	0	2	29	0	4	0	0	0	12	6	6	3			
			1	26	1009.5	-	57.7	1.0	15.4	94	6.1	4	6	5	7	9	0	0	0	0	0	0	1	11	19	0	0	0	4	27	0	0	0	0	2	11	14	2	2		
Norfolk. Yarmouth..		H	7	26	1009.5	-5.6	58.9	2.5	14.5	85	7.0	0	5	6	13	7	0	0	0	0	0	1	17	13	0	0	0	11	19	1	2	1	0	2	8	12	5	0			
			13	26	1009.5	-	63.8	5.2	14.5	72	8.1	0	0	3	24	4	0	0	0	0	0	0	0	22	9	0	0	0	17	14	0	1	2	1	5	6	12	3	1		
			18	26	1009.4	-	64.1	5.4	14.4	71	8.2	0	0	5	19	7	0	0	0	0	0	0	0	20	11	0	0	0	11	19	1	1	1	1	5	8	13	1	0		
Suffolk. Felixstowe Aero.		H	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Suffolk. Mildenhall		H	7	21	1009.3	-	58.2	2.0	14.6	88	7.3	0	6	2	14	9	0	0	0	0	1	4	5	10	11	0	0	12	18	1	0	2	0	3	6	4	9	6			
			13	21	1009.3	-	65.4	6.2	14.5	68	8.7	0	0	3	20	8	0	0	0	0	0	0	4	5	21	1	0	20	11	0	1	0	0	2	7	6	8	7			
			18	21	1009.1	-	64.0	5.1	14.9	73	8.3	0	1	4	18	8	0	0	0	0	0	0	1	3	6	19	2	0	12	18	1	1	0	0	4	4	8	7	6		
Cambridge. Cambridge		H	9	43	1009.7	-5.7	62.4	4.6	14.4	75	7.6	0	2	8	9	12	-	-	-	-	-	-	-	-	-	-	0	8	22	1	1	1	0	2	3	11	9	3			
			21	43	1009.8	-5.5	59.0	2.3	14.7	86	6.2	5	4	2	10	10	-	-	-	-	-	-	-	-	-	-	-	0	4	26	1	1	0	0	1	7	15	5	1		
Hertford. Rothamsted		H	9	396	1009.7	-	59.7	3.2	14.3	81	8.3	0	0	4	20	7	0	0	0	0	0	4	27	0	0	0	0	3	24	4	0	1	0	3	8	7	5	3			
Essex. Shoeburyness		H	7	12	1010.6	-	60.1	2.1	15.6	88	7.2	1	5	3	15	7	0	0	0	0	0	2	5	11	12	1	0	9	22	0	1	0	1	1	6	14	5	3			
			13	12	1010.8	-	65.9	5.1	16.0	74	8.5	0	0	4	22	5	0	0	0	0	0	0	2	9	19	1	0	13	17	1	0	0	2	2	6	14	5	1			
			18	12	1010.6	-	63.0	3.2	16.3	83	7.8	0	3	5	15	8	0	0	0	0	0	0	0	3	6	19	3	0	7	23	1	1	0	1	0	8	12	7	1		
4. MIDLAND COUNTIES.																																									
Yorks., W. Riding. Harrogate ..		H	9	478	1007.8	-	59.1	4.1	12.9	76	7.4	0	5	4	11	11	0	0	0	0	1	5	6	5	8	6	0	10	20	1	1	0	2	0	6	16	3	2			
Nottingham. Nottingham		H	9	215	1008.0	-	60.0	4.6	12.9	73	8.1	0	1	6	12	12	0	0	0	0	2	1	20	6	2	0	0	4	27	0	3	1	1	2	1	4	18	1			
Warwick. Birmingham		H	7	542	1009.3	-	55.3	2.0	13.0	87	7.5	1	7	2	12	9	0	0	0	0	1	6	4	4	16	0	0	3	27	1	2	0	1	2	5	12	6	2			
			13	542	1009.1	-	61.3	5.3	13.0	70	8.6	0	0	3	18	10	0	0	0	0	0	2	3	3	23	0	0	11	20	0	2	0	1	1	5	10	8	4			
			18	542	1008.9	-	61.5	5.4	13.1	71	7.7	0	0	12	11	8	0	0	0	0	0	1	3	4	3	20	0	0	6	24	1	1	0	1	0	4	12	10	2		
Oxford. Oxford ..		H	9	212	1010.2	-5.9	61.0	4.3	13.8	75	7.7	0	2	6	12	11	0	0	0	0	0	0	7	2	22	0	0	12	19	0	1	1	1	1	4	16	4	3			
Shropshire. Shrewsbury		H	9	186	1008.4	-	60.0	4.0	13.5	77	7.9	0	0	9	10	12	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 JULY, 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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5. ENGLAND, S.E.—cont.			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				



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 JULY, 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
8a. SOUTH WALES—cont.																																						
Radnor.		9	725	1008.9	-	57.3	2.0	13.9	87	7.8	0	3	5	13	10	0	0	0	0	0	0	6	12	13	0	0	17	14	0	3	0	1	3	1	3	10	10	
Llandrindod Wells		9	—	—	-	56.8	2.7	13.2	83	8.8	0	0	0	3	10	18	0	0	0	0	1	0	10	3	17	0	0	9	22	0	0	0	1	5	4	16	3	2
Rhayader ..		9	—	—	-	56.8	2.7	13.2	83	8.8	0	0	0	3	10	18	0	0	0	0	1	0	10	3	17	0	0	9	22	0	0	0	1	5	4	16	3	2
Glamorgan.		9	216	1010.0	-	59.5	3.1	13.9	81	8.3	0	1	5	14	11	0	0	0	0	1	0	4	5	9	12	0	0	14	17	0	0	2	2	2	2	12	11	0
Cardiff ..		21	216	1010.5	-	57.7	2.2	14.2	86	7.6	1	3	6	3	18	0	0	0	0	0	0	0	13	1	17	0	0	7	24	0	1	0	0	2	1	14	11	2
8b. ENGLAND, S.W.																																						
Somerset.		9	113	1009.9	-	61.3	4.3	13.8	75	8.2	0	3	4	9	15	0	0	0	0	0	1	15	10	5	0	0	7	24	0	2	0	1	3	2	10	12	1	
Bath ..		9	58	1011.1	-	61.1	3.2	15.0	82	8.1	0	1	5	13	12	0	0	0	0	0	2	11	13	5	0	0	18	12	1	1	0	0	3	4	8	7	7	
Dorset.		15	58	1011.0	-	63.1	3.9	15.4	79	8.0	0	2	5	11	13	0	0	0	0	1	3	16	7	4	0	0	20	11	0	1	0	1	2	3	15	7	2	
Holton Heath H		1	37	1010.5	-	57.8	1.3	14.9	91	8.0	1	1	3	15	11	0	0	0	1	0	0	5	17	8	0	0	22	9	0	2	0	1	2	4	4	17	1	
Dorset.		7	37	1010.3	-5.5	57.9	1.2	15.2	92	7.8	1	2	2	15	11	0	0	0	2	0	0	1	19	9	0	0	19	12	0	1	0	1	1	5	6	13	4	
Portland Bill ..		13	37	1010.0	-	60.2	2.2	15.4	87	8.2	0	1	2	19	9	0	0	0	1	0	0	3	18	9	0	0	23	8	0	0	0	0	1	7	11	11	1	
18		37	1010.8	-	59.4	1.9	15.1	89	7.9	0	1	6	13	11	0	0	0	1	0	0	2	18	10	0	0	21	10	0	1	0	0	0	6	9	13	2		
Devon.		9	801	1010.4	-	58.1	3.0	13.5	82	7.8	0	2	7	13	9	0	1	1	0	1	1	3	5	19	0	0	10	21	0	1	0	0	4	5	6	8	7	
Moretonhampstead		15	801	1010.6	-	59.7	3.2	14.2	81	8.5	0	1	3	16	11	0	0	0	1	0	0	6	2	21	1	0	13	18	0	1	0	0	3	3	10	8	6	
Devon.		7	27	1010.8	-	57.4	1.1	15.1	94	8.0	0	1	5	16	9	0	0	1	0	1	3	6	10	10	0	1	8	20	2	2	0	3	2	4	7	6	5	
Plymouth H		13	27	1011.0	-	61.1	2.6	15.7	85	8.4	0	2	0	22	7	0	0	0	0	1	1	5	6	16	2	1	16	14	0	0	0	0	1	10	9	7	4	
(Mount Batten) ..		18	27	1011.2	-	60.2	5.7	15.2	85	8.0	0	2	5	17	7	0	0	0	0	0	0	4	8	14	5	0	19	12	0	1	0	0	0	6	10	10	4	
1		240	1011.6	-	55.6	0.4	14.9	97	6.3	1	8	6	6	10	0	0	0	1	1	0	1	4	4	20	0	0	16	14	1	1	0	1	1	3	13	8	3	
Cornwall.		7	240	1011.1	-	56.8	0.5	15.4	97	7.5	0	5	5	10	11	0	1	3	2	0	0	2	3	20	0	0	14	17	0	1	0	1	1	6	10	9	3	
The Lizard ..		13	240	1011.5	-	61.0	2.0	16.2	88	7.5	0	4	6	11	10	0	1	0	0	1	0	2	4	23	0	0	21	10	0	0	1	0	2	4	12	9	3	
18		240	1011.9	-	58.6	1.5	15.5	91	7.1	0	6	7	8	10	0	0	1	1	0	0	0	6	0	23	0	0	19	10	2	0	0	1	1	2	13	10	2	
Cornwall.		9	161	1010.6	-	60.2	1.9	15.7	89	7.4	0	3	9	5	14	0	0	0	0	1	5	11	13	1	0	0	11	20	0	4	1	0	0	6	10	4	6	
9. IRELAND, N.																																						
Sligo.		9	127	1007.8	-	57.0	1.5	14.4	90	8.5	0	0	7	10	14	0	0	0	0	0	0	4	12	15	0	0	0	23	8	2	0	0	4	2	4	1	10	
Markree Castle ..		21	127	1008.1	-	57.2	2.0	13.9	87	8.7	0	0	4	12	15	0	0	0	0	0	0	5	5	21	0	0	1	21	9	3	0	1	1	2	2	4	9	
1		28	1007.1	-	55.4	1.5	13.3	90	7.9	0	0	11	4	16	0	0	0	0	0	0	0	2	16	12	1	0	9	19	3	1	1	3	0	5	0	6	12	
Mayo.		7	28	1007.0	-	56.8	1.6	14.3	90	9.0	0	0	4	10	17	0	0	0	0	0	0	2	11	16	2	0	13	17	1	3	1	4	1	4	1	9	7	
Blacksod Point ..		13	28	1007.2	-	60.0	3.5	14.0	79	7.9	0	0	9	12	10	0	0	0	0	0	1	2	5	14	9	0	18	13	0	2	0	1	2	3	4	10	9	
18		28	1007.7	-	59.0	3.1	14.0	80	8.0	0	0	10	8	13	0	0	0	0	0	0	0	2	6	17	6	0	18	13	0	4	1	1	2	0	4	10	9	
1		87	1005.8	-	55.3	1.5	13.2	89	7.8	0	4	3	18	6	0	0	0	0	2	0	0	2	18	9	0	0	10	18	3	4	1	2	2	4	4	7	4	
Donegal.		7	87	1005.6	-7.5	56.0	1.5	13.8	90	8.0	0	2	5	18	6	0	0	0	0	0	0	8	13	9	1	0	12	19	0	3	2	4	1	3	4	7	7	
Malin Head ..		13	87	1006.3	-	58.7	2.4	14.5	85	8.4	0	1	2	22	6	0	0	0	0	0	0	2	16	11	2	0	11	20	0	3	2	4	2	2	2	11	5	
18		87	1006.1	-	57.9	2.0	14.4	88	8.1	0	2	3	21	5	0	0	0	0	0	0	0	4	15	11	1	0	9	21	1	3	2	3	2	1	2	8	9	
7		245	1006.2	-	55.0	1.6	13.2	89	8.8	0	1	1	19	10	0	0	0	0	0	2	6	9	10	4	0	8	20	3	2	3	3	1	4	5	5	5		
Antrim.		13	245	1006.3	-	60.4	3.9	13.9	78	8.5	0	2	1	22	6	0	0	0	0	0	0	1	7	13	10	0	12	18	1	2	0	4	4	3	5	6	6	
18		245	1006.4	-	59.8	3.7	13.9	79	8.5	0	0	4	22	5	0	0	0	0	0	0	0	2	8	12	9	0	9	22	0	5	0	4	3	3	4	5	7	
Armagh.		9	209	1006.4	-8.0	58.7	2.9	14.0	83	8.1	0	2	5	11	13	0	0	0	0	0	0	6	3	17	5	0	2	26	3	3	1	1	1	8	4	5	5	
Armagh ..		21	209	1006.9	-7.6	55.9	1.8	13.5	88	7.5	0	5	4	7	15	0	0	0	0	0	1	4	6	20	0	0	1	21	9	1	1	0	4	3	5	3	5	
10. IRELAND, S.																																						
Dublin.		9	56	(1008.0)	-	59.4	3.4	13.6	79	7.3	0	0	17	3	11	0	0	0	0	6	2	7	0	16	0	0	1	30	0	0	2	4	3	0	6	13	3	
Glasnevin ..		21	56	(1008.2)	-	58.0	1.4	15.0	91	7.1	0	0	14	10	7	0	0	0	0	5	3	3	3	17	0	0	3	28	0	0	0	3	2	1	6	15	3	
7		193	1007.8	-7.3	54.1	0.6	13.6	96	8.5	0	2	1	18	10	0	0	0	1	0	0	0	0	9	21	0	0	0	31	0	1	0	1	2	10	8	5	4	
Offaly.		13	193	1007.7	-	62.3	2.4	14.3	75	9.2	0	0	1	19	11	0	0	0	0	0	0	0	6	25	0	0	1	30	0	1	0	1	1	7	10	4	7	
18		193	1007.9	-	61.6	4.1	14.6	77	8.6	0	0	3	19	9	0	0	0	0	0	0	0	5	26	0	0	1	30	0	1	0	1	0	6	6	9	8		
Waterford.		9	521	1008.7	-																																	



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°.

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 " 2 " "
6	" 2 " " 3 " "
7	" 3 " " 4 " "
8	" 4 " " 5 " "
9	" 5 " " 6 " "

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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**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.

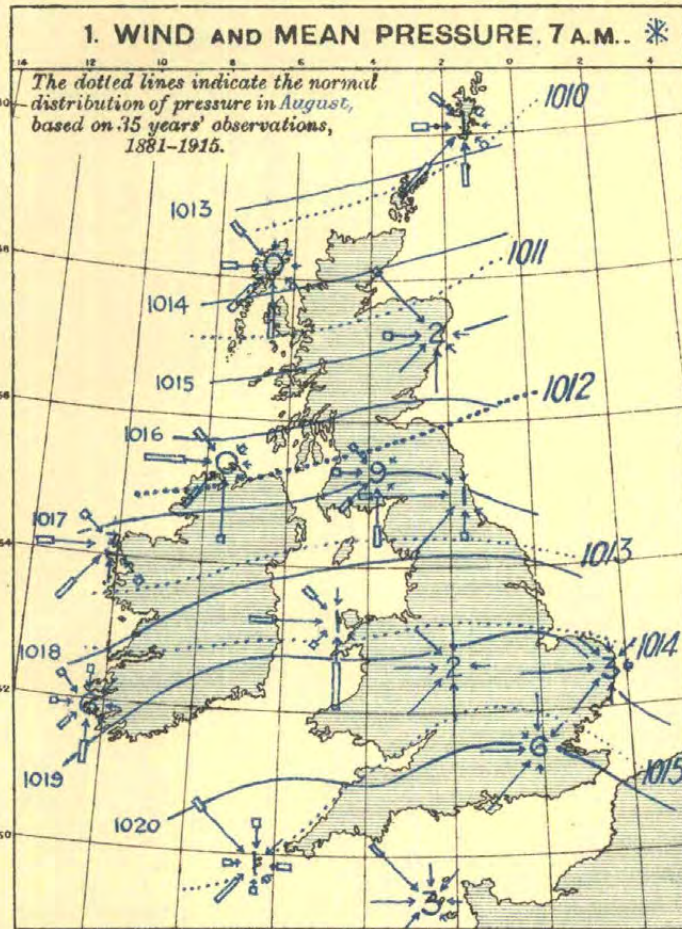
**Fog.**—Fog was reported locally at times mainly from the 1st–2nd, 6th–11th, 14th–17th, 19th–20th and 24th–30th.

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

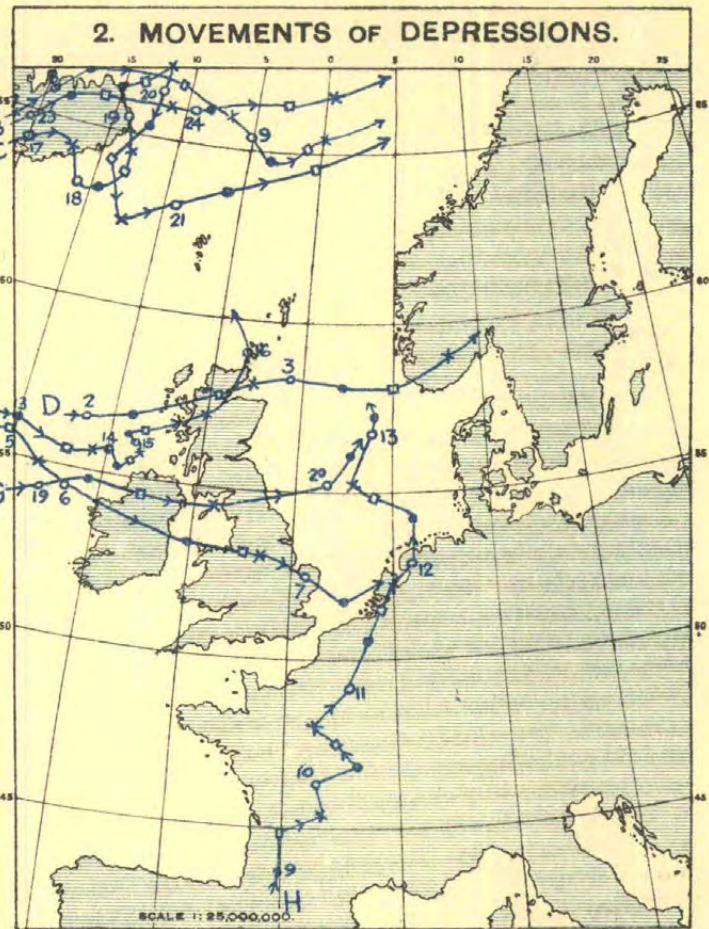




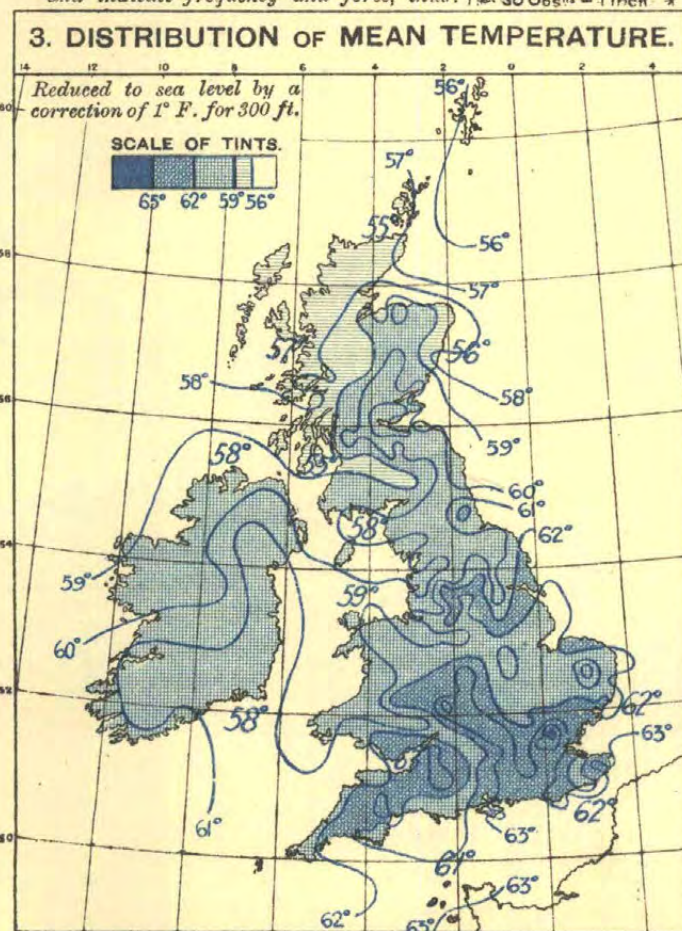




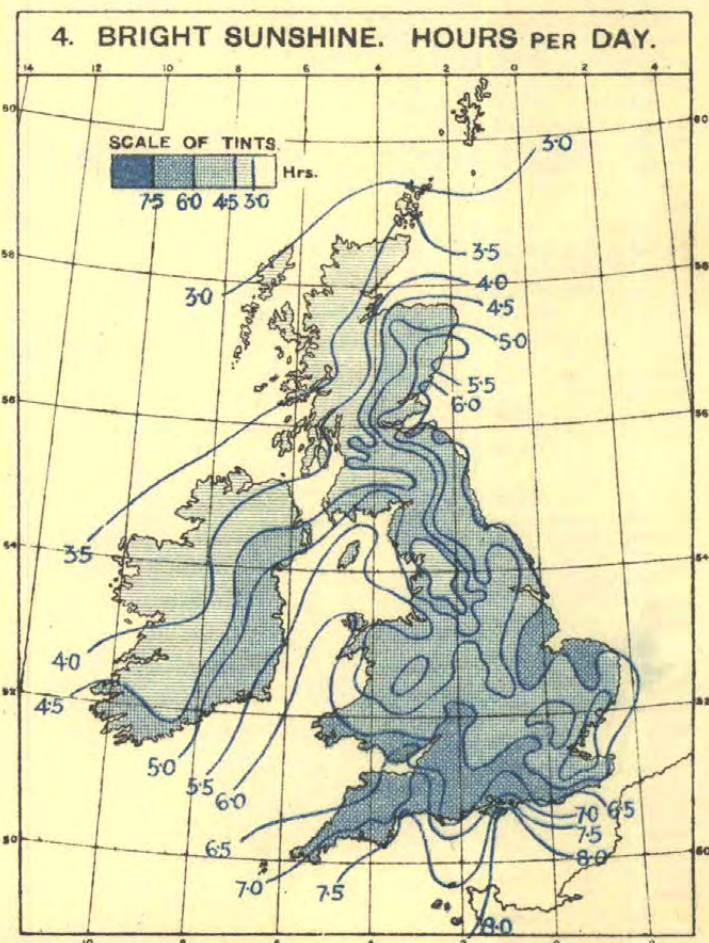
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT TO MODERATE SCALE 30 OBS. = 1 inch \*



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



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



\*The pressure is expressed in millibars.



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, 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				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													Daily Mean	Difference from Average								
		Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%			
0. SCOTLAND, N.																																
Shetland.		Baltasound	9 9 9	31	59.7	51.7	55.7	+2.3	62	7,14,19	44	22	56.0	-	2.87	73	-12	14	22	28	16	0	0	0	1	1	-	0	2.79	-1.17	18	
		Lerwick	18-7 7	156	58.0	52.2	55.1	+2.2	63	27	48	5	-	-	2.00	51	-20	17	3	11	10	0	0	0	2	-	0	2.80	-0.98	18		
Orkney.		Deerness	2121 9	160	60.7	51.5	56.1	+2.7	69	27	46	5	-	-	3.07	78	+ 5	37	2	17	12	0	0	0	0	1	-	-	3.48	-0.31	23	
		Kirkwall	9 9 9	113	62.2	51.9	57.1	+3.0	71	27	45	6	57.8	-	3.16	80	+ 4	38	2	16	11	0	0	0	0	0	0	2	3.54	-0.25	23	
Hebrides.		Skallary	101010	30	60.8	54.0	57.4	-	64	26,29	48	20	-	-	3.67	93	-	21	1	23	20	0	0	0	0	1	-	1	3.16	-1.07	21	
		Stornoway (C.G.)	18-7 7	80	61.1	52.8	56.9	+2.4	68	26	47	5	-	-	3.20	81	-	14	2	22	18	0	0	0	0	0	0	1	3.16	-1.07	21	
		Stornoway	- 9 30	30	-	-	-	-	-	-	-	-	-	-	3.53	90	-11	26	1	22	17	-	-	-	-	-	-	-	-	-	-	
Skye.		Duntulm	9 9 9	294	60.4	52.5	56.5	-	68	26	47	22	-	-	3.87	98	-	15	11	21	18	0	0	0	0	0	0	1	3.18	-	21	
Caithness.		Wick	18-7 7	81	61.0	51.0	56.0	+2.5	67	23,27	43	6	-	-	2.53	64	- 6	18	2	14	9	0	0	0	0	0	0	0	-	-	-	-
Ross & Cromarty.		Achnashellach	9 9 9	225	63.5	50.4	56.9	-	73	26,29	42	20	-	-	5.05	128	-41	17	24	19	18	0	0	0	0	0	0	-	-	-	-	-
		Fortrose	9 9 9	69	66.0	53.4	59.7	+3.0	76	27	48	26	-	-	1.52	39	-	12	11	14	10	0	0	0	0	0	0	0	3.67	-0.64	24	
Inverness.		Dalwhinnie	18-7 7	1176	62.4	47.4	54.9	-	73	28	38	6,28	-	-	2.29	58	-	17	11	15	11	0	0	0	0	0	0	1	3.98	-	26	
		Ft. Augustus	9 9 9	68	65.2	51.5	58.3	+2.3	76	27	43	26	-	-	2.11	54	-34	17	11	15	9	0	0	0	0	0	0	-	3.95	-	26.8	
		Ft. William	9 9 9	34	63.0	52.8	57.9	+1.4	69	27	45	26	58.1	55.2	4.58	116	-39	23	11	21	19	0	0	0	0	0	0	0	3.13	-	21.8	
		Inverness	9 9 9	242	64.4	52.3	58.3	+1.4	76	27	44	26	-	-	2.47	63	0	21	15	10	9	0	0	0	0	0	0	0	4.31	+0.26	28	
1. SCOTLAND, E.																																
Nairn.		Nairn	9 9 9	20	66.1	51.3	58.7	+2.1	80	27	42	26	-	-	2.09	53	- 8	16	11	13	10	0	0	0	0	0	-	0	5.05	+0.97	33	
Moray.		Forres	9 9 9	155	67.5	51.4	59.5	-	80	27	42	26	-	-	3.02	77	-	19	15	11	8	0	0	0	0	1	0	-	4.85	-	32	
		Gordon Castle	2121 9	104	66.6	51.7	59.1	+2.8	81	27	44	26	-	-	1.87	47	-34	16	11	10	8	0	0	0	0	1	0	-	4.64	+0.47	30.8	
Banff.		Banff	9 9 9	130	64.9	52.4	58.7	+2.3	73	27	46	7,19,20	-	-	1.89	48	-21	12	2	14	7	0	0	0	0	0	0	1	4.82	+0.55	32	
Aberdeen.		Aberdeen	242424	79	64.9	52.0	58.5	+2.6	71	27	43	17	58.8	55.8	1.41	36	-34	10	1	9	8	0	0	0	0	0	0	0	5.72	+1.25	38	
		Balmoral	9 9 9	927	65.8	47.0	56.4	+2.4	78	27	36	7	-	-	1.19	30	-47	10	11	12	8	0	0	0	0	0	0	1	0	-	-	-
		Braemar	2121 9	1111	65.8	47.7	56.7	+3.4	77	26,28	37	7	-	-	1.50	38	-49	12	11	11	9	0	0	0	0	0	0	0	4.96	-	33.8	
		Craibstone	9 9 9	300	65.2	49.7	57.5	-	75	27	41	20	57.7	54.6	1.54	39	-36	15	1	10	8	0	0	0	0	0	0	-	6.24	-	41	
		Logie Coldstone	9 9 9	608	66.9	47.1	57.0	+2.1	81	27	37	20	-	-	1.92	49	-32	19	11	13	8	0	0	0	0	0	0	-	-	-	-	-
Kincairdine.		Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Stonehaven	9 9 9	12	65.5	50.2	57.9	-	73	16	42	20	-	-	1.20	31	-	8	2	10	8	0	0	0	0	0	-	-	5.25	-	35	
Angus.		Arbroath	2121 9	93	67.0	51.5	59.3	+2.7	77	28	42	7	-	-	1.00	25	-49	13	1	9	5	0	0	0	0	0	0	0	6.13	-	41	
		Carnoustie	9 9 9	39	67.2	52.0	59.6	+2.7	77	28	45	10,19	-	-	1.08	27	-53	13	1	11	7	0	0	0	0	0	-	-	5.61	+0.82	37	
		Dundee	9 9 9	147	68.5	52.9	60.7	+3.4	77	28	48	5,10	61.0	-	1.99	51	-32	15	15	11	7	0	0	0	0	0	0	0	5.94	+1.27	39	
		Kettins	9 9 9	218	67.9	50.3	59.1	+2.6	76	27,28,29	42	7	61.6	-	1.35	34	-59	12	11	12	5	0	0	0	0	0	0	1	-	-	-	-
		Montrose	9 9 9	16	66.6	51.1	58.9	+2.0	78	28,29	41	19	-	-	0.94	24	-	11	1	12	7	0	0	0	0	0	0	0	5.70	+1.00	38	
Perth.		Grieff	2121 9	478	66.7	50.2	58.5	+2.0	75	25,28	44	5,7	-	-	2.04	52	-55	17	11	11	9	0	0	0	0	0	0	0	-	-	-	-
		Perth	9 9 9	76	68.9	-	-	-	78	25,27	-	-	-	-	1.61	41	-45	15	11	8	8	0	0	0	0	0	0	0	5.28	+0.65	35	
Fife.		Cupar	9 9 9	210	67.9	52.2	60.1	+3.1	76	28	43	7	-	-	1.06	27	-	14	11	9	6	0	0	0	0	0	0	-	-	-	-	-
		Dunfermline	9 9 9	237	66.6	51.9	59.3	-	75	27	43	7	61.3	58.0	2.29	58	-	17	1	12	11	0	0	0	0	0	0	0	5.40	-	36	
		Inchkeith	18-7 7	190	64.3	53.5	58.9	+2.2	73	27	47	7	-	-	1.78	45	-24	12	11	11	11	0	0	0	0	0	0	0	5.98	-	40	
		Kirkcaldy	9 9 9	63	68.8	52.8	60.8	+2.7	76	28	46	7,20	-	-	1.63	41	-	13	1	13	9	0	0	0	0	0	0	-	-	-	-	-
		Leuchars	18-7 7	35	67.6	51.3	59.5	+3.0	76	28	45	7,22	-	-	0.96	25	-53	9	11	11	6	0	0	0	0	0	0	0	5.89	+0.94	39	
		St. Andrews	9 9 9	13	67.4	52.2	59.8	+2.4	76	28	43	7	60.1	56.5	0.95	24	-56	11	11	9	4	0	0	0	0	0	0	0	6.09	+1.35	40	
Mid Lothian.		Edinburgh—																														
		Blackford H.	2121 9	441	66.3	52.9	59.6	+2.9	75	28	47	5	-	-	1.19	30	-51	8	11	13	8	0	0	0	0	0	0	0	6.11	+1.41	41.8	
		Boghall	9 9 9	639	65.4	51.2	58.3	-	75	27	41	7	57.8	55.2	1.37	35	-	9	11	14	10	0	0	0	0	0	0	-	5.41	-	36	
		Liberton	9 9 9	190	69.0	52.0	60.5	-	77	28	43	7	-	-	1.25	32	-	9	11	12	8	0	0	0	0	0	0	-	-	-	-	-
		Univ. King's B.	9 9 9	225	67.9	52.3	60.1	-	76	28	44	7	60.1	57.1	1.09	28	-	8	11	12	8	-	-	-								



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				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		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.	1 ft.	4 ft.	in.	mm.	mm.	mm.	5	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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				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	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.
4. MID. COUNTIES—cont.																																			
Nottingham cont.	Nottingham	999	192	70.0	52.7	61.3	+1.7	80	29	44	23	60.3	59.6	0.66	17	-46	7	1	9	5	-	-	-	-	2	0	-	5.38	+0.27	37					
	Sutton Bon'gton	999	157	70.0	50.3	60.3	-	80	29	40	27	61.0	-	0.50	13	-44	4	6	6	4	0	0	0	0	0	0	-	5.47	-	37					
	Worksop	999	56	70.6	51.9	61.3	+1.4	82	29	41	27	61.2	57.1	1.16	29	-33	9	19	8	5	0	0	0	1	-	0	0	5.40	-	37					
Leicester.	Belvoir Castle	2121	259	70.3	51.3	60.8	+1.5	79	29	41	23	61.8	57.2	1.70	43	-24	6	6	7	4	-	-	-	-	-	0	-	6.01	+0.34	41					
Northampton	Oundle	999	147	70.3	51.3	60.8	+1.0	80	29	41	8	61.7	58.8	0.54	14	-	4	19	9	4	0	0	0	0	1	0	-	6.13	+0.77	42					
Warwick.	Birmingham	18-7	535	68.7	54.3	61.5	+1.7	80	29	47	23	56.6	53.9	0.82	21	-48	8	10	10	6	0	0	0	0	1	0	0	5.60	+0.39	38					
	Sparkhill	713	425	71.2	52.2	61.7	+2.0	82	29	42	27	-	-	0.61	15	-58	5	10	8	7	0	0	0	1	3	0	-	-	-	-					
	Coventry	999	241	70.0	50.9	60.5	+0.1	80	29	40	23	62.7	60.5	0.57	15	-53	5	6	9	6	0	0	0	0	0	0	-	5.22	-0.30	36					
	Rugby	2121	390	70.1	50.5	60.3	-	80	25	42	8,22,23	-	-	0.61	15	-	6	6	7	5	0	0	0	0	-	0	-	-	-	-					
	Stratford-on-Avon	999	210	70.9	52.0	61.5	-	81	29	43	23	-	-	0.36	9	-	3	6	9	5	0	0	0	0	1	-	-	5.80	-	38					
Oxford.	Oxford	999	208	71.9	53.1	62.5	+1.7	83	29	45	23	64.1	60.5	0.82	21	-37	15	10	6	4	0	0	0	1	1	0	0	5.96	+0.28	41					
Bucks.	Halton	999	544	70.0	53.2	61.6	-	81	29	46	23	62.2	57.9	0.45	11	-	7	6	4	2	0	0	0	1	0	0	-	5.82	-	40					
	Mursley	999	490	68.9	51.8	60.3	-	80	29	44	27	58.2	-	0.32	8	-56	5	6	4	3	-	-	-	-	-	-	-	5.80	-	40					
Stafford.	Mayfield	999	374	69.1	49.5	59.3	+1.4	80	29	38	23	-	-	1.29	33	-48	10	1	12	6	0	0	0	1	-	0	-	4.80	-0.01	33					
Shropshire.	Newport	999	211	70.5	50.7	60.6	-	81	29	40	23	-	-	0.90	23	-46	8	1	10	7	0	0	0	0	2	0	-	5.28	-	36					
	Shrewsbury	999	184	69.9	52.1	61.0	+1.3	81	29	41	8,23,28	62.0	59.4	0.55	14	-	6	1	10	6	0	0	0	0	1	0	0	4.94	-	34					
Worcester.	Malvern	999	380	71.0	55.3	63.1	+2.4	81	29	48	8	63.1	59.9	0.40	10	-63	3	6	6	4	0	0	0	0	1	0	-	6.45	+0.81	44					
	Worcester (Perdiswell)	999	94	72.4	51.5	61.9	-	83	29	40	23	-	-	0.36	9	-	3	1	6	3	0	0	0	0	-	0	-	5.92	-	41					
Hereford.	Bromyard	999	393	70.4	51.0	60.7	+1.5	80	29	39	23	62.6	58.7	0.23	6	-	2	5	6	3	0	0	0	0	2	0	-	-	-	-					
	Hereford	999	292	71.0	51.7	61.3	+1.8	81	29	41	23,28	-	-	0.16	4	-62	1	19	5	2	0	0	0	0	1	0	0	-	-	-					
	Ross-on-Wye	18-7	223	70.3	52.7	61.5	+1.6	80	29	43	23	62.5	59.6	0.17	4	-61	1	6	4	3	0	0	0	0	6	0	0	5.98	+0.59	41					
Gloucester.	Bristol (Horfield)	18-7	206	70.7	54.5	62.6	-	82	29	48	8,22,27	60.5	60.6	0.44	11	-	4	19	9	5	0	0	0	0	2	0	0	-	-	-					
	Cheltenham	2121	214	71.9	53.5	62.7	+1.4	82	29	45	23	64.5	62.4	0.20	5	-62	1	1	6	3	0	0	0	0	0	0	0	6.32	+0.86	43					
	Cirencester	999	443	69.6	50.9	60.3	+1.2	80	29	43	8,22,23	-	-	0.40	10	-	4	19	8	4	0	0	0	0	0	0	-	5.95	-	41					
	Parkend	999	325	68.9	50.8	59.9	-	78	29	41	23	60.9	58.0	0.44	11	-	3	2	8	5	0	0	0	0	0	0	-	6.25	-	43					
5. ENGLAND, S.E.																																			
London.	City, Bunhill Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.68	+0.19	39					
	Camden Square	999	110	73.1	56.0	64.5	+1.3	82	16,28,30	49	23	61.8	58.3	0.42	12	-44	5	10	6	5	0	0	0	1	-	0	-	-	-	-					
	East Ham	999	15	72.4	55.5	63.9	+1.7	84	29	49	23,29	-	-	0.37	9	-44	5	10	6	3	-	-	-	-	-	-	-	-	-	-					
	Enfield	999	148	72.8	54.2	63.5	+1.6	84	29	47	23,29	-	59.9	0.39	10	-51	4	10	5	4	0	0	0	0	0	0	-	5.67	-	39					
	Greenwich	2424	149	73.3	53.7	63.5	+1.0	85	29	46	23	61.5	59.4	0.56	14	-42	9	10	9	3	0	0	0	1	1	0	0	5.55	-0.54	38					
	Hampstead	21-9	-	73.2	54.3	63.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Kensington	999	450	70.2	52.9	61.5	+0.8	79	24,25,30	43	23	-	-	0.46	12	-	3	10	8	5	0	0	0	2	-	0	-	5.88	+0.20	41					
	Kingsway	18-9	80	71.6	55.7	63.7	+1.2	81	29,30	49	23	63.2	60.3	0.35	9	-46	4	10	6	3	0	0	0	0	0	0	0	5.66	-	39					
	Regent's Park	999	129	72.5	55.6	64.1	-	81	25,29,30	49	23	-	-	0.42	11	-	4	10	7	4	0	0	0	2	0	0	-	5.54	-	38					
	Kew	2424	18	71.2	54.7	62.9	+1.2	80	29	47	23	63.0	59.7	0.48	12	-45	5	11	6	3	0	0	0	1	4	0	0	5.95	+0.05	41					
	Observatory	18-7	-	71.0	55.1	63.1	+1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Tottenham	2121	51	73.1	57.0	65.1	+2.4	82	29,30	52	9,23	-	60.9	0.35	9	-43	4	10	6	4	0	0	0	0	-	0	-	5.93	-0.02	41					
	Westminster	999	27	71.8	56.5	64.1	+1.2	82	29	51	15,23	-	-	0.36	9	-49	5	10	5	2	0	0	0	0	-	0	-	5.68	-0.05	39					
Surrey.	Addington	999	472	69.7	54.5	62.1	+1.8	82	29	49	23	-	-	0.89	23	-	14	10	7	5	0	0	0	1	1	-	-	-	-	-					
	Croydon	18-7	217	70.7	54.4	62.5	+1.2	82	29	46	23	-	-	0.98	25	-34	15	10	6	5	0	0	0	1	2	0	0	5.74	-0.42	40					
	Wisley	999	150	71.4	52.3	61.9	+0.6	82	29	43	23,27	63.5	60.9	0.99	25	-	17	10	6	4	0	0	0	1	1	0	0	5.53	-0.52	38					
Kent.	Biggin Hill	18-7	567	68.5	54.3	61.4	+1.7	81	29	47	29	-	-	0.67	17	-50	5	19	9	5	0	0	0	1	4	0	0	5.95	-0.46	41					
	Bromley	999	213	71.6	53.6	62.6	-	83	29	41	23	-	-	0.42	11	-45	5	10	4	3	0	0	0	1	1	0	-	-	-	-					
	Canterbury	999	135	71.9	54.2	63.1	+1.1	82	24	46	23	62.4	59.9	0.70	18	-	9	10	8	5	-	-	-	-	-	0	-	-	-	-					
	Dover	999	22	69.5	56.8	63.1	+2.0	76	25,29	49	23	64.3	63.3	1.80	46	-	17	10	10	7	0	0	0	0	0	0	0	6.26	-0.49	43					
	Dungeness	18-7	20	67.6	55.2	61.4	-0.1	74	25,29	45	23	-	-	1.85	47	-3	19	1	8	4	0	0	0	0	1	-	0	-	-	-					
	East Malling	999	132	70.5	51.5	61.0	-	81	29	42	23	-	-	1.20	31	-	11	10	9	5	0	0	0	0	1	0	0	5.21	-	36					
	Folkestone	999	101																																



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				Total Fall			Difference from Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Mean g Obs.)	Ground Frost	Gale	Hours per day	Difference from Average	Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			A Max.	B Min.		Maximum	Date	Minimum	Date		Amount	Date			24 in. or more	1 in. or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Max. Min.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	24 in. or more	1 in. or more	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.

|| On and after April 19th. observations taken one hour earlier than the times shown.



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				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		Maximum	Date	Minimum	Date		0.2 mm. or more	1 mm. or more										Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Max.	Min.		Max.	Min.	Max.	Min.		mm.	mm.										mm.	mm.		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
8b. ENGLAND, S.W.—cont.		G.M.T.	ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	







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 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
2. ENGLAND, N.E.—cont.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Durham. Durham ..		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</



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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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5. ENGLAND, S.E.—cont.			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



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 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
8a. SOUTH WALES—cont.																																						
Radnor.	Llandrindod Wells	9	725	1019.7	-	60.2	3.6	13.9	79	6.1	2	6	6	13	4	0	0	0	0	0	0	1	4	7	19	0	0	7	24	0	8	0	0	1	2	1	12	7
	Rhayader ..	9	—	—	—	58.5	2.3	14.7	86	7.5	1	4	5	6	15	0	0	1	0	0	0	1	11	3	15	0	0	3	27	1	0	0	0	1	13	1	7	8
Glamorgan.	Cardiff ..	9	216	1020.3	-	61.3	3.1	14.9	81	5.7	6	6	3	3	13	0	0	0	0	0	2	6	12	9	3	0	0	6	25	0	1	3	3	2	3	12	7	0
		21	216	1020.3	-	59.8	2.4	15.1	86	4.5	12	5	2	2	10	0	0	0	0	0	0	0	17	1	13	0	0	3	28	0	2	4	0	0	0	10	10	5
8b. ENGLAND, S.W.																																						
Somerset.	Bath ..	9	113	1020.0	-	62.8	4.1	15.2	77	7.0	4	4	2	7	14	0	0	0	0	2	4	13	6	6	0	0	1	28	2	0	1	5	0	1	5	11	6	
		9	58	1020.6	-	63.2	3.5	15.9	81	5.6	5	7	3	7	9	0	0	0	0	0	2	13	10	6	0	0	7	17	7	3	2	2	0	1	5	6	5	
Dorset.	Holton Heath H	15	58	1019.8	-	67.9	6.4	16.0	69	4.9	3	9	8	6	5	0	0	0	0	1	0	14	8	8	0	0	12	18	1	4	0	3	3	3	9	3	5	
		1	37	1019.7	-	59.5	1.6	15.4	90	5.2	6	8	3	7	7	0	0	0	2	0	0	0	16	13	0	0	11	20	0	6	2	5	0	1	2	7	8	
Dorset.	Portland Bill	7	37	1020.1	+5.1	60.1	1.8	15.8	89	6.1	6	4	2	12	7	0	0	0	2	0	0	1	15	13	0	0	11	20	0	2	6	4	1	1	2	8	7	
		13	37	1020.2	-	64.2	3.2	16.2	82	5.9	6	2	5	12	6	0	0	0	0	0	0	2	17	12	0	0	10	21	0	1	0	3	4	0	10	8	5	
		18	37	1019.8	-	62.5	2.3	17.1	87	5.0	7	5	10	4	0	0	0	0	1	0	0	2	12	16	0	0	9	22	0	0	0	3	1	1	5	12	7	
Devon.	Moretonhampstead	9	801	1020.4	-	59.6	2.9	14.5	83	6.5	2	7	3	9	10	0	1	0	1	0	0	3	6	18	2	0	7	21	3	4	0	1	5	1	3	3	11	
		15	801	1020.0	-	64.6	5.8	14.4	70	5.5	2	8	8	8	5	0	0	0	0	0	0	3	22	3	0	0	9	21	1	4	1	2	5	1	5	1	11	
Devon.	Plymouth (Mount Batten) H	7	27	1020.4	-	57.7	1.3	15.0	92	6.2	2	8	3	14	4	0	0	0	0	0	2	8	13	8	0	0	5	19	7	2	1	3	1	0	5	4	8	
		13	27	1020.5	-	64.9	4.2	16.4	78	6.2	0	9	3	16	3	0	0	0	0	0	2	1	9	15	4	0	11	20	0	2	0	2	1	6	9	5	6	
		18	27	1020.2	-	63.4	4.0	15.7	79	5.2	2	9	6	10	4	0	0	1	0	1	1	1	9	10	8	0	9	21	1	1	0	4	0	7	4	4	10	
		1	240	1020.5	-	57.1	0.8	15.1	95	5.0	8	8	1	5	9	1	1	1	0	0	2	1	4	21	0	0	8	21	2	3	5	1	0	2	5	9	4	
Cornwall.	The Lizard	7	240	1020.8	-	58.0	0.8	15.6	95	7.3	2	3	5	9	12	1	1	0	3	0	0	6	20	0	0	10	19	2	4	5	1	0	3	4	7	5		
		13	240	1020.3	-	63.7	3.2	16.8	82	6.3	0	8	6	9	8	0	1	0	0	2	1	2	7	18	0	0	8	23	0	0	6	1	0	5	4	12	3	
		18	240	1020.8	-	61.4	2.6	15.5	85	5.8	2	9	3	13	4	1	1	0	0	1	0	1	8	19	0	0	10	18	3	1	4	1	0	1	5	10	6	
Cornwall.	Newquay	9	161	1020.6	-	61.8	2.4	16.4	86	6.1	3	6	5	7	10	0	0	1	0	1	3	9	17	6	0	0	8	21	2	10	3	0	2	5	3	2	4	
9. IRELAND, N.																																						
Sligo.	Markree Castle	9	127	1018.8	-	58.5	1.9	14.5	88	8.1	0	4	4	7	16	0	0	0	0	0	1	6	14	10	0	0	3	17	11	3	0	0	1	5	4	5	2	
		21	127	1018.8	-	59.3	2.0	15.0	88	6.9	3	3	6	8	11	0	0	0	0	0	0	4	4	23	0	0	2	17	12	2	0	0	0	1	6	2	3	5
		1	28	1017.2	-	57.7	1.4	15.0	91	7.6	4	2	1	7	17	0	0	0	0	0	0	3	16	12	0	0	5	18	8	1	0	0	0	7	1	10	4	
Mayo.	Blacksod Point	7	28	1017.4	-	58.6	1.7	15.3	89	8.2	0	3	3	6	19	0	0	0	0	0	0	3	15	11	2	0	8	20	3	1	0	0	4	3	8	8	4	
		13	28	1018.1	-	62.0	3.0	15.7	82	7.8	1	4	6	8	12	0	0	0	0	0	0	2	10	11	8	0	11	19	1	2	0	2	1	7	3	12	3	
		18	28	1018.0	-	60.5	2.7	15.4	83	7.5	0	4	9	3	15	0	0	0	0	0	0	2	10	15	4	0	10	21	0	3	0	0	2	7	5	9	5	
		1	87	1016.6	-	57.3	0.9	15.0	94	7.2	2	6	1	14	8	0	0	0	0	0	0	5	23	3	0	0	9	21	1	1	0	2	1	11	2	10	3	
Donegal.	Malin Head	7	87	1016.4	+5.0	57.4	0.9	15.0	94	8.1	1	2	2	10	7	0	0	0	0	1	0	8	15	7	0	0	12	19	0	0	1	1	1	9	7	8	4	
		13	87	1017.0	-	60.6	1.9	16.3	88	7.4	0	3	6	20	2	0	0	0	0	0	0	5	13	13	0	0	13	18	0	1	0	2	1	2	5	13	7	
		18	87	1017.1	-	59.5	1.3	16.3	92	7.4	1	4	3	18	5	0	1	0	0	0	0	4	16	10	0	0	13	18	0	3	2	3	0	2	4	11	6	
		7	245	1017.3	-	55.7	1.0	14.2	93	8.3	1	2	2	16	10	0	0	1	1	0	1	9	8	10	1	0	8	21	2	1	2	1	2	7	9	5	2	
Antrim.	Aldergrove H	13	245	1017.5	-	64.1	4.7	15.4	75	7.5	0	4	3	20	4	0	0	0	0	0	0	4	3	14	10	0	9	21	1	1	0	0	1	4	11	8	5	
		18	245	1017.6	-	63.0	4.4	15.0	76	7.6	0	5	2	18	6	0	0	0	0	0	0	4	2	16	9	0	5	24	2	2	1	0	4	1	9	5	7	
Armagh.	Armagh .. H	9	209	1017.6	+4.7	60.7	2.9	15.1	83	6.5	1	5	8	8	9	0	0	0	0	0	0	2	4	24	1	0	0	30	1	1	0	1	1	7	9	8	3	
		21	209	1018.2	+5.1	58.1	2.3	14.3	86	7.0	4	4	1	12	10	0	0	0	0	0	0	2	8	21	0	0	0	25	6	0	0	0	2	7	7	7	2	
10. IRELAND, S.																																						
Dublin.	Glasnevin ..	9	56	(1018.9)	-	62.0	3.4	15.3	81	5.5	5	0	18	4	4	0	0	0	0	0	4	6	1	20	0	0	1	30	0	1	0	3	1	1	6	17	2	
		21	56	(1019.5)	-	60.1	2.7	14.8	84	4.7	8	0	14	5	4	0	0	0	0	0	3	4	0	24	0	0	0	28	3	0	0	3	2	1	7	13	2	
		7	193	1018.6	+4.9	55.3	0.4	14.3	97	7.9	3	2	2	6	18	0	0	1	0	0	0	9	21	0	0	0	0	30	1	0	1	2	2	12	5	6	2	
Offaly.	Birr Castle	13	193	1018.9	-	65.4	5.0	14.8	73	7.9	0	2	5	15	9	0	0	0	0	0	0	0	2	29	0	0	1	30	0	0	0	2	2	8	8	7	4	
		18	193	1018.8	-	65.2	4.8	15.7	75	7.8	1	2	5	12	11	0	0	0	0	0	0	0	3	28	0	0	0	31	0	0	0	0	3	6	7	11	4	
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1019.6	-	60.1	2.5	15.0	85	6.4	1	7	6	11	6	0	0	0	0	1	0	3	2	11	14	0	7	20	4	0	1	1	2	3	3	8	9	
		21	521	1020.4	-	57.5																																



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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## 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	
	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
Eastern.									
1. SCOTLAND, E.	73	28	+2.5	-	-	132	+1	74	23
2. ENGLAND, N.E.	76	35	+2.6	+3.7	+2.0	132	+1	71	25
3. ENGLAND, E.	77	27	+2.1	+2.4	+1.5	148	+4	70	29
4. MIDLAND COUNTIES ..	75	31	+2.5	+2.9	+1.8	155	+2	64	23
5. ENGLAND, S.E.	81	31	+1.7	+2.7	+1.7	136	+4	68	29

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)	72	29	+3.2	+3.3	+1.9	153	0	79	24
7. ENGLAND, N.W. (and N. Wales)	74	30	+2.4	+3.2	+1.7	139	+2	78	27
8. ENGLAND, S.W. (and S. Wales)	77	28	+2.2	+2.4	+1.5	116	+3	73	29
9. IRELAND, N. ...	71	28	+2.2	+2.7	+1.7	158	0	101	31
10. IRELAND, S. ...	73	31	+2.0	+2.1	+1.4	130	+1	96	33
11. CHANNEL I. (and Scilly)	78	47	+1.5	+2.2	+0.7	103	+2	87	40
Mean: DISTRICTS 1-10	81	27	+2.3	+2.8	+1.7	140	+2	77	27

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

[1914.]

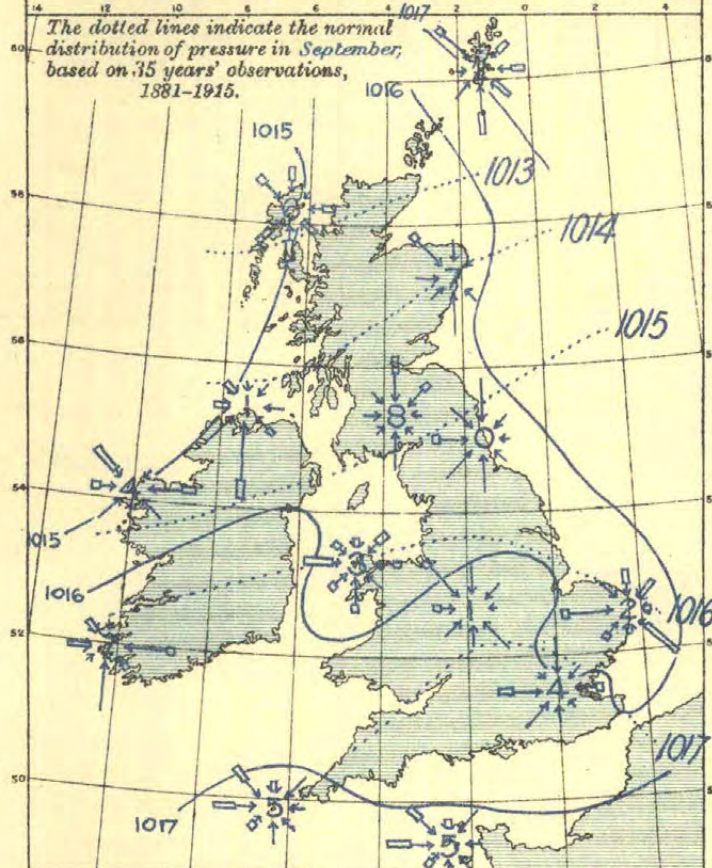
DISTRICT AND STATION	Height			Distribution of Wind ††										Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record	Highest Hourly Wind				Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time				
													mi/hr.			hr.	mi/hr.	hr.	mi/hr.	hr.	mi/hr.	hr.
0. SCOTLAND, N.	ft.	ft.	ft.	-	0	11	72	304	295	49	0	170	33	15	12	21	51	23	4	16	50	
Shetland. †Lerwick ..	310	53	39	-	0	7	51	277	347	45	0	150	34	15	12	07	51	23	12	11	00	
Orkney. Kirkwall ..	170	40	35	-	0	5	20	241	348	111	0	60	33	15	25	06	47	21	25	05	05	
Hebrides. Stornoway ..	—	—	—	-	0																	
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																			
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	98	41	33	-	0	2	12	212	344	152	0	270	28	13	7	13	52	23	7	06	45	
Cork. Cork ..	132	71	40																			
11. SCILLY ISLES.																						
St. Mary's ..	230	65	57	6,7	7	10	98	332	253	30	0	290	48	21	7	02	68	30	7	01	25	

†† 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 1933 Annual Summary Wind Section).

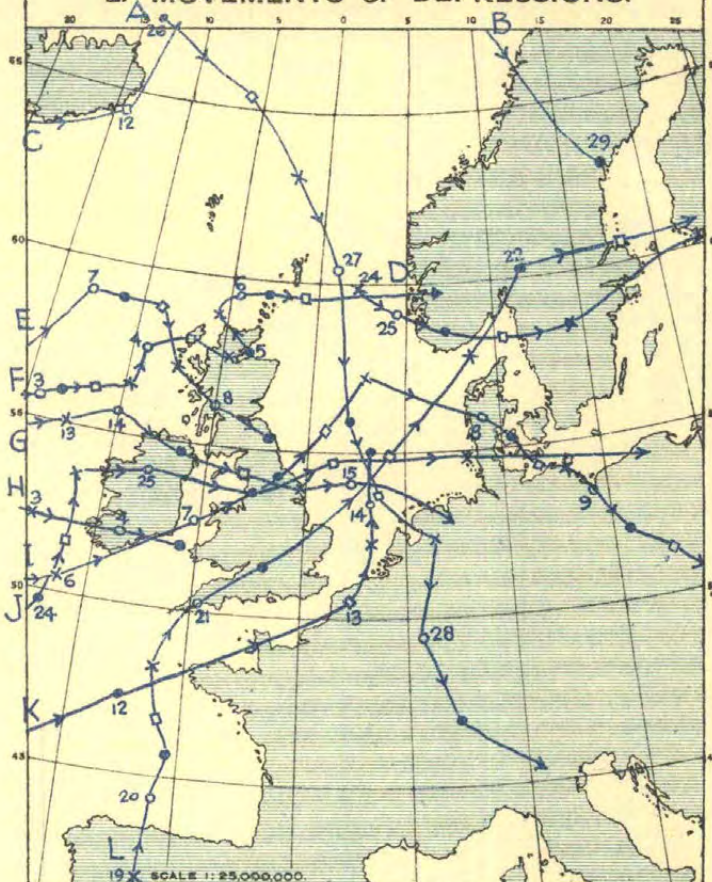


## 1. WIND AND MEAN PRESSURE. 7 A.M. \*



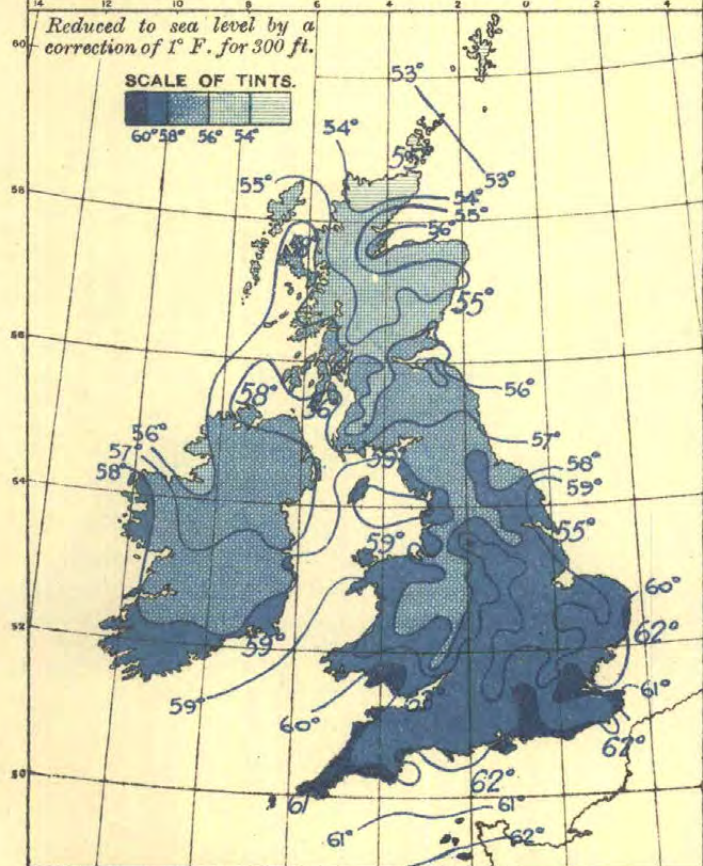
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT TO STRONG GALE 30 Obs. 1 Inch

## 2. MOVEMENTS OF DEPRESSIONS.



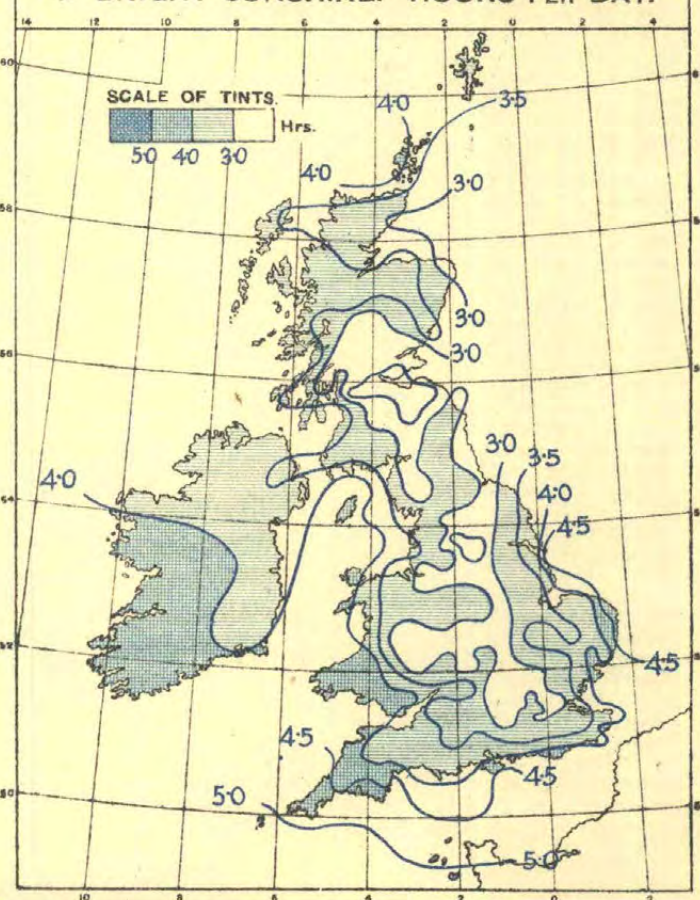
Positions of centres are shown thus: ○ at 1hr; ● at 7h; □ at 13h; X at 18h.

## 3. DISTRIBUTION OF MEAN TEMPERATURE.



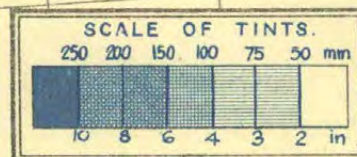
Sea temperatures are shown in large figures, thus: 62°

## 4. BRIGHT SUNSHINE. HOURS PER DAY.



\*The pressure is expressed in millibars.





Ps.482/3159. Ht. 22 A. D.17. Gp 908.925. 10/96

The equivalent values in mm. are given in round numbers. The exact relation is  $10\text{ in.} = 254\text{ mm.}$   $1\text{ mm.}$



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		Difference from Average	Absolute Maximum and Minimum				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.		Maximum	Date	Minimum	Date		Amount	Date		Daily Mean	Difference from Average														
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	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	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	0	0	3.12	-0.25	24	
	Kirkwall	9 9 9	113	57.7	49.4	53.5	+2.7	65	8	39	2	55.0	-	3.43	87	+10	20	7	17	10	0	0	0	0	2	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	0	0	-	-	-	
	Stornoway (C.G.)	18-7 7	80	58.8	50.7	54.7	+3.4	63	10,12,21	38	26	-	-	4.41	112	-	49	4	17	14	0	0	0	0	2	0	3.48	-0.32	27	
Skye.	Stornoway	- 9 30	30	-	-	-	-	-	-	-	-	-	-	4.21	107	+7	47	4	18	11	-	-	-	-	-	1	-	-	-	
	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	0	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	-	-	-	
	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	-	-	-	
Ross & Cromarty.	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	0	1	2	0	3.38	-0.50	26
	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	0	2	1	10	0	2.89	-
Inverness.	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	0	3.61	-	288	
	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	0	3.37	-	268
	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	0	3.90	+0.16	30
	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	0	3.66	-	29
Moray.	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	0	0	3.68	-0.07	298
	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	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	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	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	0	1	1	3	0	3.48	-	278
	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	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	0	1	0	2	-	-	-	-
	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	0	3.23	-	25
	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	0	3.30	-	26
Angus.	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	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	0	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	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	0	1	0	0	2.72	-1.80	21
	Perth	9 9 9	76	63.6	-	-	-	71	11	-	-	-	-	3.34	85	+28	34	3	11	11	0	0	0	1	0	0	0	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	0	0	0	-	-	-
	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	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	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	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	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	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	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	-	-	-	-	-	-	-	-	-	-
	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
E. Lothian.	N. Berwick	9 9																												



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				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		Hours	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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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						
				Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.
4. MID. COUNTIES—cont.																														
Nottingham cont.	Nottingham	999	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	-1.20	24
	Sutton Bon'gton	999	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	999	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	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	-1.58	25	
Northampton	Oundle	999	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	-1.01	28
Warwick.	Birmingham	18-7	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	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	999	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	-1.43	238
	Rugby	2121	390	66.4	49.6	58.0	-	73	11	34	29	-	-	2.06	52	-	9	12	16	12	0	0	0	3	-	2	-	-	-	-
	Stratford-on-Avon	999	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	999	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	999	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	999	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	999	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	-1.13	258
Shropshire.	Newport	999	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	999	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	999	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	-1.48	27
	Worcester (Perdiswell)	999	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	999	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	999	229	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	293	65.0	51.3	58.1	+1.5	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	-1.51	24
Gloucester.	Bristol (Horfield)	18-7	206	65.9	52.5	59.2	-	75	1	37	29	61.9	61.1	3.47	88	-	23	3	19	16	0	0	0	1	1	0	0	-	-	-
	Cheltenham	2121	214	65.8	52.1	58.9	+1.9	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	-1.88	23
	Cirencester	999	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	999	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.63	-1.60	21
	Camden Square	999	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	999	15	66.7	53.9	60.3	+2.4	76	2	41	29	-	-	2.29	58	+15	13	20	17	13	-	-	-	-	-	-	-	-	-	-
	Enfield	999	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	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	999	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	80	65.8	54.5	60.1	+1.2	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	999	129	66.4	54.0	60.2	-	76	11	41	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kew	2424	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	+1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tottenham	2121	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	-1.97	23
	Westminster	999	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	999	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	217	65.8	53.8	59.8	+1.9	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	999	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	2.62	-2.43	21
Kent.	Biggin Hill	18-7	567	63.4	52.6	58.0	+1.5	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	999	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	999	135	66.5	52.9	59.7	+1.5	78	2	43	29	61.2	60.8	2.22	56	-	17	20	15	10	-	-	-	-	-	0	-	-	-	-
	Dover	999	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	-1.61	33
	Dungeness	18-7	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	999	132	65.8	50.7	58.3	-	76	2	35	29	-	-	2.34	59	-	14	20	16	13	0	0								



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

[illegible]

† Plant Breeding Station.

¶ § See Notes on Tables on last page of this issue. ‡ New site from February 19th.

On and after April 19th observations were taken one hour earlier than the times shown.



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				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		Amount	Date		0.2 mm. or more	1 mm. or more								Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				Max.	Min.	Mean of A and B	Max.	Min.	Max.	Min.	1 ft.	4 ft.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of SEPTEMBER, 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
0. SCOTLAND, N.																																						
Shetlands.	Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
		1	160	1016.7	-	51.4	1.3	11.6	91	7.6	0	2	7	11	10	0	0	0	1	0	2	9	7	11	0	0	13	15	2	3	2	3	3	5	3	4	5	
		7	160	1017.0	+4.9	51.2	1.6	11.3	89	7.8	0	2	7	15	6	0	1	1	1	0	0	7	8	12	0	0	11	17	2	2	4	4	6	3	2	5		
		13	160	1017.3	-	53.8	2.5	11.9	83	7.5	0	2	9	10	9	0	1	1	0	0	0	3	10	15	0	0	10	20	0	4	2	4	3	8	3	4		
Orkneys.	Deerness ..	18	160	1017.0	-	52.5	1.6	12.2	89	8.5	0	1	4	13	12	0	2	0	0	0	1	5	8	13	1	0	13	16	1	3	3	4	2	8	2	3	4	
		9	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		1	83	1014.8	-	53.4	1.3	12.5	91	7.4	3	2	4	10	11	0	0	0	0	2	6	10	12	0	0	11	17	2	1	3	2	6	6	3	4	3		
Hebrides.	Stornoway ..	7	83	1015.0	+2.3	53.0	1.2	12.6	91	8.3	1	2	2	15	10	0	1	1	0	0	0	8	4	10	6	0	12	12	6	4	2	3	2	5	4	0	4	
		13	83	1015.7	-	57.8	3.4	13.0	79	8.1	0	1	5	15	9	0	0	0	0	0	0	4	6	11	9	0	10	20	0	0	4	4	6	9	3	2		
		18	83	1015.2	-	55.7	2.6	12.8	84	8.0	0	2	4	14	10	0	0	0	0	0	0	5	8	8	9	0	8	21	1	1	8	2	4	5	5	3	1	
		1	79	1015.5	-	52.7	1.1	12.7	93	7.8	0	3	6	10	11	0	3	0	2	0	0	2	9	14	0	0	10	20	0	1	1	1	7	8	5	4	3	
Caithness.	Wick ..	7	79	1015.5	+2.4	51.8	1.0	12.3	93	8.7	0	1	3	13	13	0	3	1	0	0	2	7	6	11	0	0	7	23	0	2	2	0	6	8	4	4	4	
		13	79	1016.3	-	55.3	1.8	13.0	88	8.7	0	1	0	18	11	0	2	1	0	1	0	5	7	14	0	0	5	25	0	3	4	4	8	4	3	1	3	
		18	79	1015.9	-	53.9	1.5	12.8	90	8.4	0	2	3	13	12	0	1	0	0	0	1	8	8	12	0	0	8	21	1	2	3	2	10	5	2	2	3	
		1	79	1015.9	-	53.9	1.5	12.8	90	8.4	0	2	3	13	12	0	1	0	0	0	1	8	8	12	0	0	8	21	1	2	3	2	10	5	2	2	3	
Inverness.	Dalwhinnie†	7	1180	973.9	-	47.6	0.9	10.6	93	9.0	0	2	2	3	23	0	1	0	0	1	0	3	18	7	0	0	4	19	7	3	3	0	2	9	5	0	1	
		13	1180	974.1	-	57.1	4.3	11.7	73	7.7	0	5	3	7	15	0	0	0	0	0	0	2	12	16	0	0	4	24	2	2	6	0	2	6	10	0	2	
		18	1180	973.8	-	53.1	2.8	11.1	81	7.4	1	5	3	6	15	0	0	0	0	0	0	4	9	17	0	0	3	20	7	1	3	0	1	9	7	1	1	
		9	250	1016.1	-	53.9	0.8	13.4	95	6.4	0	1	16	12	1	0	0	0	0	0	4	7	3	7	9	0	1	26	3	0	6	2	2	3	11	1	2	
Inverness.	Inverness ..	17	250	1015.4	-	57.5	1.3	14.6	91	4.9	0	10	14	5	1	0	0	0	0	0	8	7	7	8	0	0	30	0	0	13	2	4	2	6	2	1		
		1. SCOTLAND, E.																																				
		Aberdeen.	Aberdeen	H	7	85	1015.9	+1.6	52.9	1.4	12.4	91	8.3	0	4	1	12	13	0	2	1	1	0	5	11	5	5	0	0	1	22	7	2	1	0	2	6	2
13	85			1016.4	+2.1	57.2	3.0	13.0	82	7.8	0	5	2	11	12	0	0	0	0	1	1	3	12	4	9	0	0	7	22	1	3	5	4	5	6	2	1	3
18	85			1016.4	+2.0	55.2	2.0	12.9	87	7.6	0	5	2	15	8	0	0	0	0	1	4	12	7	6	0	0	3	26	1	5	2	3	5	8	1	2	3	
21	85			1016.7	+1.9	53.9	1.6	12.7	89	7.5	2	3	3	9	13	0	0	0	1	2	2	12	10	3	0	0	2	23	5	3	0	1	2	7	2	4	6	
Aberdeen.	Braemar†	h.*	85	1016.2	+1.7	54.5	1.9	12.9	88																													
		9	1108	1016.5	-	51.6	2.0	11.4	86	7.6	0	3	7	7	13	0	0	0	0	0	7	23	0	0	0	2	21	7	3	2	2	3	2	10	1	0		
		9	482	1015.5	-	54.8	2.3	12.5	85	8.0	0	3	6	2	19	-	-	-	-	-	-	-	-	-	-	0	6	24	0	3	2	8	2	6	2	7	0	
		21	482	1016.1	-	52.7	1.7	12.1	88	7.1	4	4	2	2	18	-	-	-	-	-	-	-	-	-	-	0	3	27	0	3	2	11	0	3	2	9	0	
Perth.	Crieff ..	1	184	1016.0	-	54.6	0.7	14.1	95	7.4	0	7	4	4	15	0	0	0	0	2	0	5	10	12	1	0	6	24	0	1	7	5	4	3	8	1	1	
		7	184	1015.7	-	53.9	0.6	13.6	96	8.5	0	1	1	18	10	0	0	0	0	2	2	11	8	7	0	0	6	24	0	5	6	1	3	9	0	1		
		13	184	1016.3	-	58.6	1.9	15.1	89	8.6	0	0	1	25	4	0	0	0	0	1	0	4	10	15	0	0	6	24	0	1	10	3	2	11	0	0		
		18	184	1016.1	-	57.3	1.4	14.5	91	8.4	0	1	3	19	7	0	0	0	0	2	0	4	14	10	0	0	4	26	0	1	5	6	5	3	9	1	0	
Fife.	Inchkeith ..	1	184	1016.0	-	54.6	0.7	14.1	95	7.4	0	7	4	4	15	0	0	0	0	2	0	5	10	12	1	0	6	24	0	1	7	5	4	3	8	1	1	
		7	184	1015.7	-	53.9	0.6	13.6	96	8.5	0	1	1	18	10	0	0	0	0	2	2	11	8	7	0	0	6	24	0	5	6	1	3	9	0	1		
		13	184	1016.3	-	58.6	1.9	15.1	89	8.6	0	0	1	25	4	0	0	0	0	1	0	4	10	15	0	0	6	24	0	1	10	3	2	11	0	0		
		18	184	1016.1	-	57.3	1.4	14.5	91	8.4	0	1	3	19	7	0	0	0	0	2	0	4	14	10	0	0	4	26	0	1	5	6	5	3	9	1	0	
Fife.	Leuchars..	H	7	36	1015.9	-	51.9	1.0	12.5	93	8.3	0	1	5	12	12	0	1	2	1	3	2	11	4	1	5	0	0	23	7	4	2	3	2	0	5	3	4
		13	36	1016.4	-	59.8	3.8	13.7	77	7.9	0	3	5	14	8	0	0	0	1	0	2	9	9	6	3	0	3	25	2	3	4	7	3	3	4	4	0	
		18	36	1016.1	-	56.8	2.3	13.6	85	8.0	0	4	1	15	10	0	0	0	0	1	0	15	3	9	2	0	2	25	3	1	5	5	6	3	4	2	1	
		1	36	1016.1	-	56.8	2.3	13.6	85	8.0	0	4	1	15	10	0	0	0	0	1	0	15	3	9	2	0	2	25	3	1	5	5	6	3	4	2	1	
Mid Lothian.	Edinburgh (Blackford Hill)	9	441	1016.3	-	55.1	2.2	12.7	85	8.3	0	2	4	8	16	0	0	2	2	7	8	10	0	1	0	0	4	18	8	2	5	1	1	3	3	6	1	
		21	441	1016.5	-	54.2	1.8	12.5	88	8.5	1	2	2	6	19	0	2	0	1	4	11	9	1	2	0	0	3	14	13	1	2	3	2	2	2	4	1	
6a. SCOTLAND, W.																																						
Argyll.	Tiree ..	7	40	1014.7	-																																	



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 SEPTEMBER, 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
2. ENGLAND, N.E.—cont.																																							
Durham.	Durham ..	H	9	352	1016.2	-	56.8	2.0	13.8	84	8.0	0	3	6	4	17	0	0	0	1	9	7	9	3	1	0	0	2	20	8	7	3	1	0	6	1	3	1	
			21	352	1016.8	-	54.9	1.4	13.3	91	8.6	2	0	3	3	22	0	0	0	0	1	10	14	4	1	0	0	1	22	7	3	2	2	6	1	4	3		
Yorks., N. Riding	Catterick ..	H	7	186	1015.7	-	53.5	0.9	13.4	94	8.4	0	1	5	14	10	0	0	1	0	2	9	7	4	7	0	0	1	21	8	2	1	0	1	6	2	2	8	
			13	186	1016.0	-	61.0	4.2	14.0	76	7.9	0	1	6	17	6	0	0	0	0	1	1	12	10	5	1	0	7	23	0	7	6	1	1	6	1	5	3	
			18	186	1016.1	-	57.8	2.3	14.2	86	8.2	0	1	5	17	7	0	0	0	0	0	4	13	6	7	0	0	2	24	4	7	5	0	4	4	2	3	1	
			9	96	1015.4	-	59.3	2.7	14.4	84	6.0	0	9	8	12	1	0	0	1	0	0	1	17	9	2	0	0	11	19	0	1	2	0	5	4	2	4	12	
Yorks., N. Riding.	Scarborough ..	H	9	53	1016.6	-	57.9	2.5	13.9	85	6.9	1	5	4	11	9	-	-	-	-	-	-	-	-	-	-	0	1	29	0	7	0	1	2	7	1	6	7	
			21	53	1017.1	-	56.2	1.9	13.6	88	6.2	8	3	0	7	12	-	-	-	-	-	-	-	-	-	-	0	1	28	1	11	1	0	3	6	1	3	4	
Yorks., E. Riding.	Spurn Head ..	H	1	28	1015.9	-	57.1	1.2	14.7	87	6.9	3	5	2	9	11	0	1	0	0	0	1	10	13	5	0	0	15	15	0	3	4	2	3	4	5	3	6	
			7	28	1015.2	-0.7	57.0	1.2	14.7	92	8.1	0	2	4	17	7	0	2	1	2	0	3	13	7	2	0	0	18	11	1	2	7	2	3	4	3	3	5	
			13	28	1015.8	-	62.5	1.6	15.4	80	6.8	0	2	11	11	6	0	0	0	0	0	1	12	14	3	0	0	1	20	8	1	5	6	4	6	2	0	3	5
			18	28	1015.9	-	59.1	1.9	15.2	88	7.8	0	1	7	15	7	0	1	0	0	0	1	14	11	3	0	0	17	13	0	7	6	2	5	4	2	3	1	
Lincoln.	Cranwell ..	H	7	243	1016.2	-	53.4	0.6	13.6	96	7.8	1	3	2	14	10	0	4	1	4	1	5	9	4	2	0	0	4	24	2	5	2	1	5	2	4	4	5	
			13	243	1016.3	-	62.8	4.6	14.7	75	7.8	0	2	2	23	3	0	0	0	0	0	0	16	6	7	1	0	9	19	2	5	3	1	5	2	4	3	5	
			18	243	1016.4	-	59.0	2.6	14.7	86	7.8	0	3	4	16	7	0	0	0	0	0	0	19	5	6	0	0	3	24	3	6	3	3	4	2	3	2	4	
3. ENGLAND, E.																																							
Norfolk.	Cromer ..	H	9	74	1015.5	-	59.8	2.3	15.3	86	6.7	2	0	12	13	3	0	0	0	0	0	2	15	13	0	0	0	3	27	0	9	3	3	4	3	3	1	4	
			1	26	1016.3	-	57.4	1.2	14.9	93	5.6	8	2	5	5	10	0	0	2	1	0	1	13	12	1	0	0	10	20	0	3	4	1	5	4	5	5	3	
Norfolk.	Yarmouth ..	H	7	26	1015.5	-0.9	56.4	1.7	13.9	90	7.4	2	2	4	15	7	0	0	2	2	1	2	19	4	0	0	0	15	13	2	3	3	1	7	1	3	7	3	
			13	26	1016.0	-	62.6	4.0	15.0	77	7.0	1	2	7	17	3	0	0	0	0	0	1	18	10	0	0	0	13	17	0	3	6	3	4	2	2	8	2	
			18	26	1016.0	-	61.6	3.6	14.8	79	7.4	0	2	8	15	5	0	0	0	0	0	3	19	8	0	0	0	6	23	1	4	4	3	4	2	5	0	7	
Suffolk.	Felixstowe Aero.	H	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk.	Mildenhall	H	7	21	1015.6	-	55.0	1.0	13.9	94	7.7	1	4	1	15	9	0	3	1	1	6	8	4	2	4	1	0	5	20	5	1	2	4	3	3	5	3	4	
			13	21	1015.8	-	64.3	6.0	13.9	68	7.6	1	3	3	16	7	0	0	0	0	0	6	4	13	6	1	0	14	15	1	3	4	2	2	1	6	7	4	
			18	21	1016.0	-	60.3	3.2	14.5	81	6.8	0	7	4	14	5	0	0	0	0	1	6	8	6	7	2	0	3	25	2	5	3	4	3	1	5	3	4	
Cambridge.	Cambridge	H	9	43	1016.2	-1.1	59.4	2.7	14.7	85	7.7	1	3	4	9	13	-	-	-	-	-	-	-	-	-	-	0	5	23	2	3	4	23	2	2	2	6	5	
			21	43	1016.8	-0.4	57.2	1.9	14.3	88	4.9	13	1	2	4	10	0	0	1	0	0	1	13	12	1	0	0	0	2	20	8	1	5	4	1	4	3	3	1
Hertford.	Rothamsted ..	H	9	396	1016.3	-	57.3	2.2	13.8	86	7.8	0	4	4	11	11	0	0	1	0	0	14	15	0	0	0	0	4	23	3	5	3	4	1	0	4	6	4	
Essex.	Shoeburyness	H	7	12	1016.1	-	56.7	1.4	14.5	91	8.2	2	2	0	14	12	0	2	1	1	2	4	10	6	4	0	0	2	23	5	3	0	1	4	2	4	5	6	
			13	12	1016.4	-	64.0	4.5	15.6	76	7.7	0	2	4	20	4	0	0	0	0	1	3	13	5	8	0	0	8	22	0	3	3	4	5	0	7	7	1	
			18	12	1016.4	-	61.0	3.1	15.2	82	8.2	0	1	3	22	4	0	0	0	0	2	4	7	3	13	1	0	4	25	1	1	5	4	3	2	5	6	3	
4. MIDLAND COUNTIES.																																							
Yorks., W. Riding.	Harrogate ..	H	9	478	1016.5	-	57.1	2.5	13.4	84	8.3	0	4	2	9	15	0	0	0	0	2	12	4	3	6	3	0	2	28	0	8	2	1	4	5	4	5	1	
			9	215	1015.9	-	57.5	2.6	13.6	84	7.7	3	2	2	9	14	0	1	1	0	11	4	11	2	0	0	0	1	29	0	7	3	2	3	4	2	8	1	
Warwick.	Birmingham	H	7	542	1016.5	-	53.5	1.2	13.0	91	8.3	0	3	3	11	13	1	0	2	2	7	7	4	2	5	0	0	2	27	1	4	3	1	5	3	3	3	7	
			13	542	1016.4	-	60.7	4.5	13.5	74	7.7	0	2	4	19	5	0	0	0	0	4	6	12	2	6	0	0	4	26	0	4	5	2	4	3	4	4	4	
			18	542	1016.3	-	59.8	3.9	13.7	77	7.4	0	3	4	19	4	0	0	0	0	1	13	8	0	8	0	0	4	26	0	5	5	3	5	1	4	4	3	
Oxford.	Oxford ..	H	9	212	1016.9	-0.9	57.4	2.3	13.8	85	8.4	1	3	0	11	15	0	1	0	2	2	5	10	3	7	0	0	5	25	0	8	2	1	5	3	3	6	2	
Shropshire.	Shrewsbury	H	9	186	1016.2	-	56.4	2.0	13.4	87	7.8	2	1	6	4	17	0	0	0	1	2	1	9	1	16	0	0	9	13	8	2	0	1	4	3	0	9	3	
Hereford.	Ross-on-Wye	H	7	226	1016.3	-	53.1	1.3	12.8	91	8.2	0	3	3	13	11	0	3	0	3	4	2	8	2	8	0	0	2	26	2	5	4	3	0	3	5	7	1	
			13	226	1016.0	-	62.8	5.0	14.3	72	7.6	1	2	4	18	5	0	0	0	0	2	3	7	7	11	0	0	7	23	0	4	4	4	3	3	4	5	3	
			18	226	1016.0	-	60.3	3.4	14.5	80	7.6	1	2	2	19	6	0	0	0	0	1	0	10	7	11	1	0	2	28	0	5	3	3	2	5	6	6	0	
			21	226	1016.8	-	56.3	1.7	13.9	89	6.0	2	9	3	9	7	0	1	2	1	2	8	7	4	5	0	0	2	24	4	3	1	5	2	3	5	6	1	
Gloucester.	Cheltenham	H	9	230	1016.9	-	58.2	2.8	13.7	83	8.3	0	1	3	12	14	0	0	0	2	4	9	3	8	4	0	0	1	24	5	3	2	1	1	2	3	9	4	
21	230	1017.4	-	57.7	1.9	14.3	88	7.3	1	3	5	13	8	0	0	0	0	1	2	2	10	11	4	0	0	0	24	6	4	1	0	0	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 SEPTEMBER, 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.				
																0	1	2	3																	0	1	2	3
5. ENGLAND, S.E.—cont.																																							
Kent.	Biggin Hill	H	7	572	1016.4	-	54.6	1.0	13.7	93	8.4	1	3	1	9	16	0	2	3	2	3	7	6	6	1	0	0	11	13	6	3	3	2	2	1	6	5	2	
			13	572	1016.6	-	61.5	4.5	14.1	75	8.2	0	0	7	13	10	0	0	0	1	1	1	11	9	6	1	0	0	9	21	0	5	4	1	4	3	4	9	0
			18	572	1016.7	-	58.6	2.9	14.1	82	7.3	0	4	6	13	7	0	0	0	1	4	0	9	10	5	1	0	0	8	20	2	3	6	1	4	3	5	5	1
Kent.	Dungeness	..	7	-	-	-	56.4	1.3	14.2	91	6.5	1	2	10	15	2	0	1	1	3	2	3	11	9	0	0	0	8	21	1	5	4	4	3	0	6	4	3	
			13	-	-	-	63.3	4.0	15.4	78	7.4	1	3	3	19	4	0	0	0	0	1	7	10	12	0	0	1	11	18	0	2	5	3	6	0	8	6	6	
			18	-	-	-	61.4	2.6	15.8	85	7.5	1	1	6	17	5	0	1	0	1	0	6	12	10	0	0	0	7	23	0	4	5	3	2	4	6	6	0	
Kent.	Lympne ..	H	1	345	1017.1	-	55.8	1.5	13.9	90	8.7	6	6	3	8	7	0	2	0	1	1	6	7	6	7	0	0	5	24	1	6	3	3	2	3	4	4	4	
			7	345	1016.5	-	55.1	1.2	13.9	92	9.7	3	5	1	15	6	0	0	3	0	3	6	10	3	4	1	0	7	23	0	5	4	3	3	1	5	2	7	
			13	345	1016.8	-	61.9	4.3	14.5	76	7.9	0	3	4	15	8	0	0	1	0	0	4	7	9	8	1	0	10	20	0	4	4	3	5	1	4	8	1	
Kent.	Manston ..	..	18	345	1016.9	-	58.7	2.7	14.3	84	6.5	1	8	1	19	1	0	0	0	0	1	7	6	6	9	1	0	5	25	0	3	6	4	2	2	7	5	1	
			1	141	1016.6	-	57.5	2.0	14.4	88	5.6	7	4	3	11	5	0	1	0	1	4	4	8	4	8	0	0	7	20	3	2	4	3	3	4	3	5	4	
			7	141	1015.9	-	57.1	1.7	14.4	89	7.6	1	3	4	17	5	0	1	0	0	3	5	9	7	5	0	0	11	17	2	2	3	3	4	2	5	5	4	
Kent.	Tunbridge Wells ..	..	13	141	1016.3	-	62.7	5.0	14.3	73	7.9	0	2	3	19	6	0	0	0	0	0	2	12	9	7	0	0	14	16	0	2	6	4	4	2	6	3	3	
			18	141	1016.3	-	60.4	3.5	14.5	80	7.5	1	2	5	18	4	0	0	0	0	1	2	11	8	8	0	0	8	22	0	3	5	4	5	2	6	4	1	
			9	407	1016.9	-	58.6	2.1	14.7	87	7.5	1	4	3	10	12	0	0	1	1	1	7	8	8	4	0	0	7	23	0	3	8	1	3	0	5	4	6	
Sussex.	Brighton ..	H	9	48	1017.0	-	60.1	3.2	14.6	81	6.3	3	6	4	6	11	0	0	0	0	2	9	6	8	5	0	0	6	23	1	2	6	4	0	0	6	8	3	
Sussex.	Hastings ..	H	9	121	1016.5	-	59.7	2.5	15.0	85	7.1	3	3	4	13	7	0	0	0	0	2	8	13	4	3	0	0	8	21	1	1	11	1	3	0	8	2	3	
			21	121	1016.5	-	58.9	2.0	15.1	87	5.3	9	4	2	4	11	0	0	1	0	0	9	7	7	6	0	0	3	25	2	1	9	1	4	1	7	2	3	
Hampshire.	Calshot ..	..	7	15	1016.4	-	56.7	1.1	14.7	93	7.0	1	5	3	10	11	0	1	0	2	2	3	11	5	6	0	0	7	22	1	5	2	3	1	3	2	6	7	
			13	15	1016.6	-	63.9	4.1	15.9	78	7.2	0	3	7	14	6	0	0	0	0	1	2	7	10	10	0	0	12	16	2	4	3	4	1	5	6	4	1	
			18	15	1016.6	-	61.5	2.7	16.0	85	7.2	0	3	7	15	5	0	0	0	0	0	3	11	10	6	0	0	7	21	2	3	3	3	1	8	4	3	3	
Hampshire.	Southampton ..	..	9	84	1017.1	-0.8	59.5	2.5	14.7	85	7.8	0	5	4	5	16	0	0	1	1	0	7	21	0	0	0	1	8	21	0	7	7	2	1	0	7	2	4	
			21	84	1017.7	0.0	59.3	2.3	14.8	86	5.2	7	4	4	6	9	-	-	-	-	-	-	-	-	-	-	0	4	26	0	3	5	1	4	1	7	5	4	
			7	256	1016.4	-	54.1	0.9	13.7	94	8.4	0	2	3	11	14	0	2	1	1	3	5	11	4	3	0	0	3	21	6	2	2	2	3	2	3	6	4	
Hampshire.	S. Farnborough	H	13	256	1016.3	-	64.9	5.6	14.9	71	7.7	0	2	6	18	4	0	0	0	0	1	2	8	11	8	0	0	12	15	3	2	4	2	4	3	3	6	3	
			18	256	1016.5	-	60.7	3.3	14.9	81	6.6	1	3	10	13	3	0	0	0	0	0	5	12	8	5	0	0	2	25	3	5	2	2	5	3	6	2		
			9	80	1016.6	-	60.5	2.7	15.1	83	6.9	0	8	4	7	11	-	-	-	-	-	-	-	-	-	-	0	4	26	0	2	5	5	3	2	0	10	3	
I. of Wight.	Ventnor (Hosp.)	{	15	80	1016.4	-	63.2	3.8	15.6	79	6.5	1	6	9	4	10	-	-	-	-	-	-	-	-	-	0	7	23	0	1	3	3	4	1	2	13	3		
Wilts.	Amesbury (Boscombe Down)	H	7	420	1016.5	-	53.0	0.7	13.3	95	8.0	2	1	1	15	11	0	0	1	3	3	7	6	7	3	0	0	6	21	3	4	4	3	1	3	4	5	3	
			13	420	1016.5	-	62.4	4.9	14.2	73	7.9	0	0	8	18	4	0	0	0	0	0	11	8	11	0	0	0	13	17	0	3	4	3	3	4	6	5	2	
			18	420	1016.6	-	59.4	3.1	14.2	81	7.3	0	5	4	14	7	0	0	0	0	0	3	8	9	10	0	0	8	22	0	7	3	1	5	4	2	5	3	
Wilts.	Larkhill ..	H	9	444	1016.9	-	57.3	2.4	13.8	86	8.5	0	2	1	13	14	0	1	1	0	3	1	10	8	6	0	0	13	15	2	3	6	2	2	3	2	7	3	
			13	444	1016.6	-	62.5	5.0	14.1	72	7.7	0	2	5	18	5	0	0	0	0	0	8	8	14	0	0	0	13	16	1	3	4	2	3	4	2	7	4	
			15	444	1016.4	-	62.5	5.0	14.1	73	7.8	0	2	5	17	6	0	0	0	0	0	6	10	14	0	0	0	10	19	1	6	5	1	3	3	3	5	3	
7a. ENGLAND, N.W.																																							
Lancashire.	Hutton ..	..	9	86	-	-	58.6	2.5	14.2	85	6.9	0	7	6	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Lancashire.	Manchester (Barton)	H	7	83	1015.9	-	53.7	1.1	13.5	93	8.6	0	1	2	13	14	1	2	1	3	7	3	11	2	0	0	0	4	21	5	3	4	1	6	2	3	2	4	
			13	83	1016.2	-	62.4	5.0	14.1	72	7.2	1	2	6	15	6	0	0	0	1	0	5	13	8	3	0	0	8	21	1	4	3	5	4	4	2	3	4	
			18	83	1016.0	-	59.2	2.9	14.4	83	7.4	0	4	5	11	10	0	0	0	0	5	8	15	1	1	0	0	5	25	0	5	5	2	6	2	2	3	5	
Lancashire.	Manchester (Whitworth Pk.)	{	9	127	1016.6	-	56.7	1.1	14.5	92	8.2	0	1	2	20	7	-	-	-	-	-	-	-	-	-	0	2	26	2	4	4	3	4	4	2	5	2		
			21	127	1016.7	-	57.9	2.1	14.3	88	7.1	0	2	10	11	7	-	-	-	-	-	-	-	-	-	0	0	30	0	6	2	7	4	3	1	3	4		
			9	37	1016.4	-0.5	58.5	2.8	14.1	83	7.3	2	3	3	12	10	0	0	0	0	5	9	4	3	9	0	0	7	22	1	3	4	3	5	6	0	4	4	
Lancashire.	Southport* (Bedford Rd. Park)	{	13	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			18	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			



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

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 Vis.	8 or more	4 to 7	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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8a. SOUTH WALES—cont.	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

\* 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

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## 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, Shoburyness, 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), Carlisle, 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 1-10	68	19	-0.3	-0.1	+0.5	70	-3	107	31

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

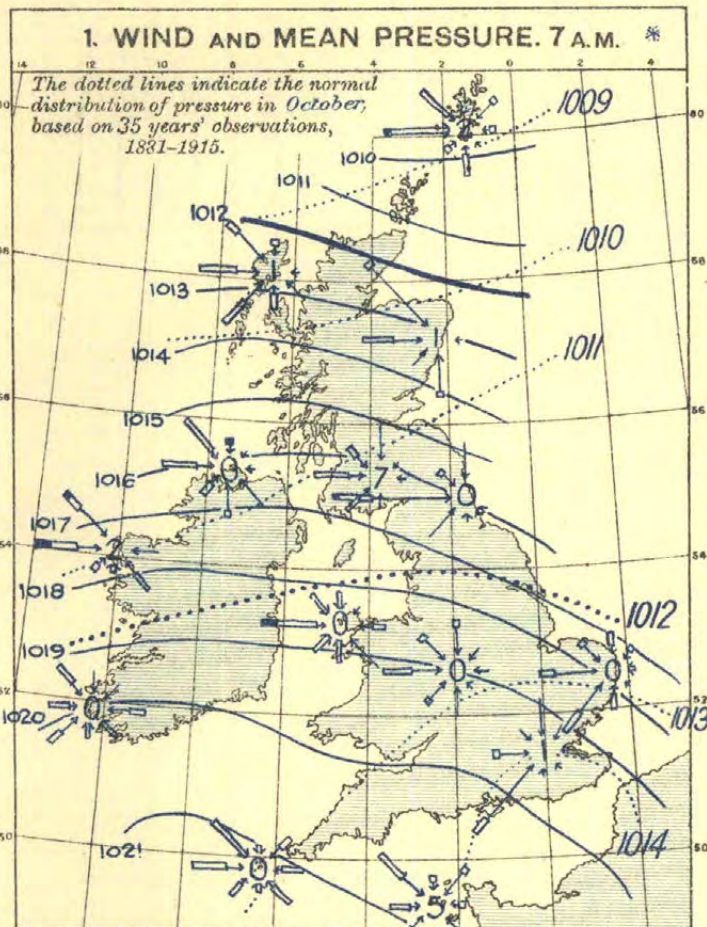
[1914.]

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.		Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d. h. m.
0. SCOTLAND, N.				24, 25															
Shetland. †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, 23, 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.				17-19															
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
Lincoln. 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.				17, 19															
Anglesey. Holyhead ..	68	43	35	26-28	41	14	108	340	197	58	0	270	53	24	26	23	82	37	26 21 35
Flint. Sealand ..	81	65	42	19	4	10	66	220	284	170	0	290	46	21	19	13	72	32	27 15 15
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.				17, 19															
Donegal. Dunfanaghy Road	180	47	30	24, 26, 27	20	11	90	246	194	185	9	-	49	22	17	05	79	35	26 17 10
Antrim. Aldergrove ..	282	40	20	-	0	5	29	190	363	162	0	260	35	16	26	19	71	32	27 03 35
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	10	79	312	299	54	0	240	31	14	26	11	75	34	26 22 30
Cork. Cork ..	132	71	40	-	0	0	0	139	522	7	76	-	24	11	26	17	50	22	26 16 10
11. SCILLY ISLES.																			
St. Mary's ..	230	65	57	26, 27, 31	10	16	179	438	116	1	0	330	41	18	31	04	61	27	31 03 10

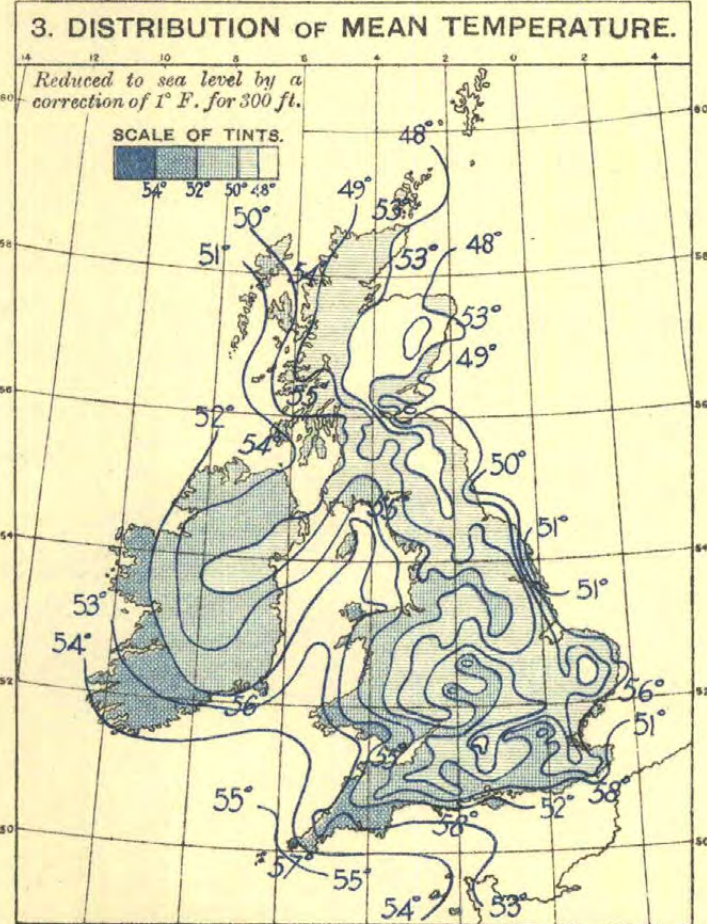
†† Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

† Data inaccurate prior to October, 1929 (see 1933 Annual Summary Wind Section).

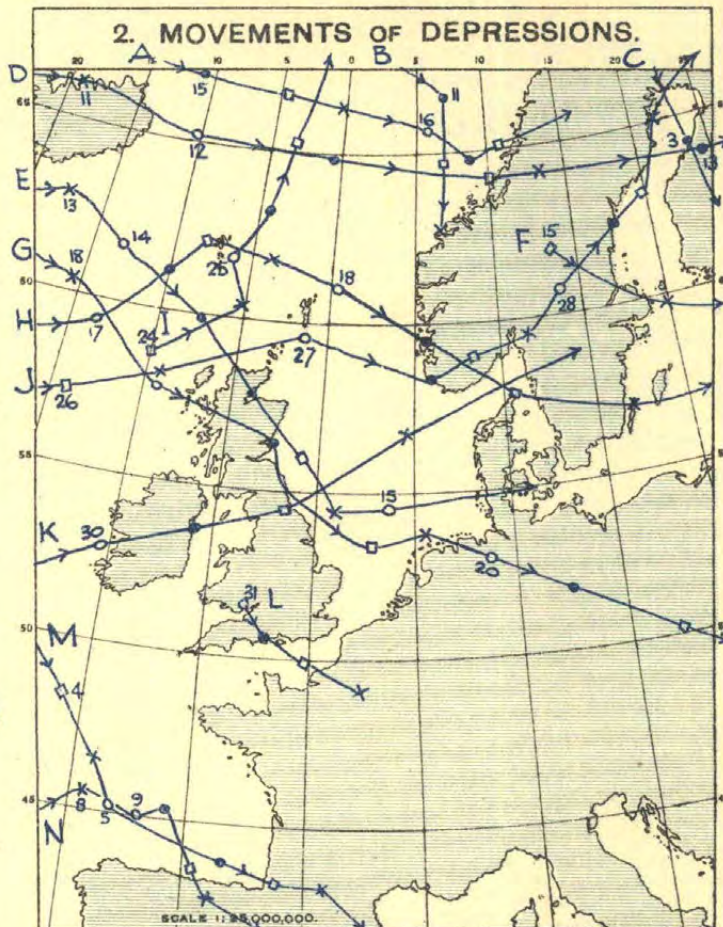




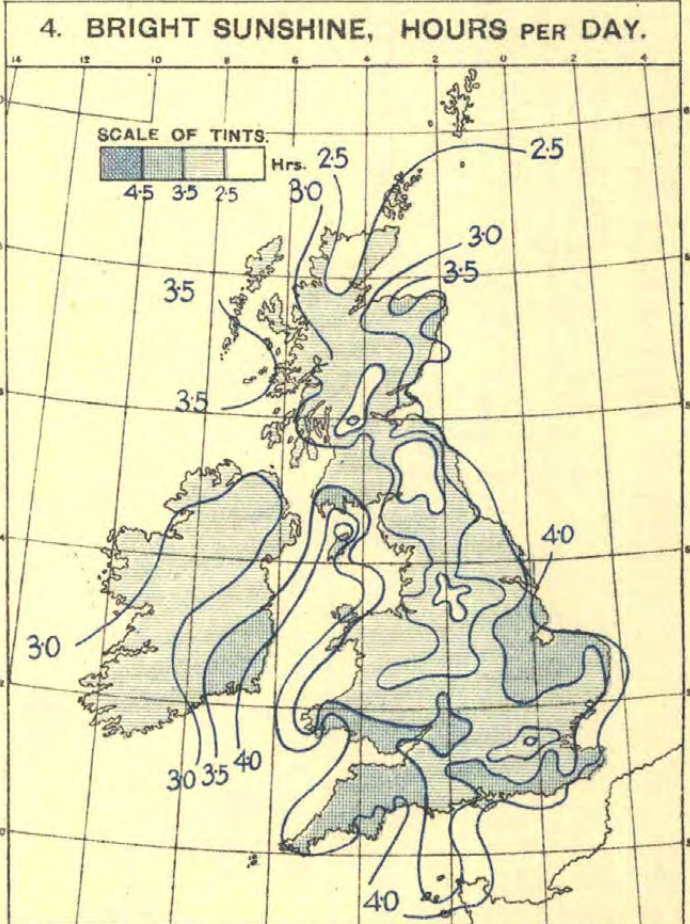
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:   
 LIGHT MODERATE GALE  
 16 30 OBS. 1 inch



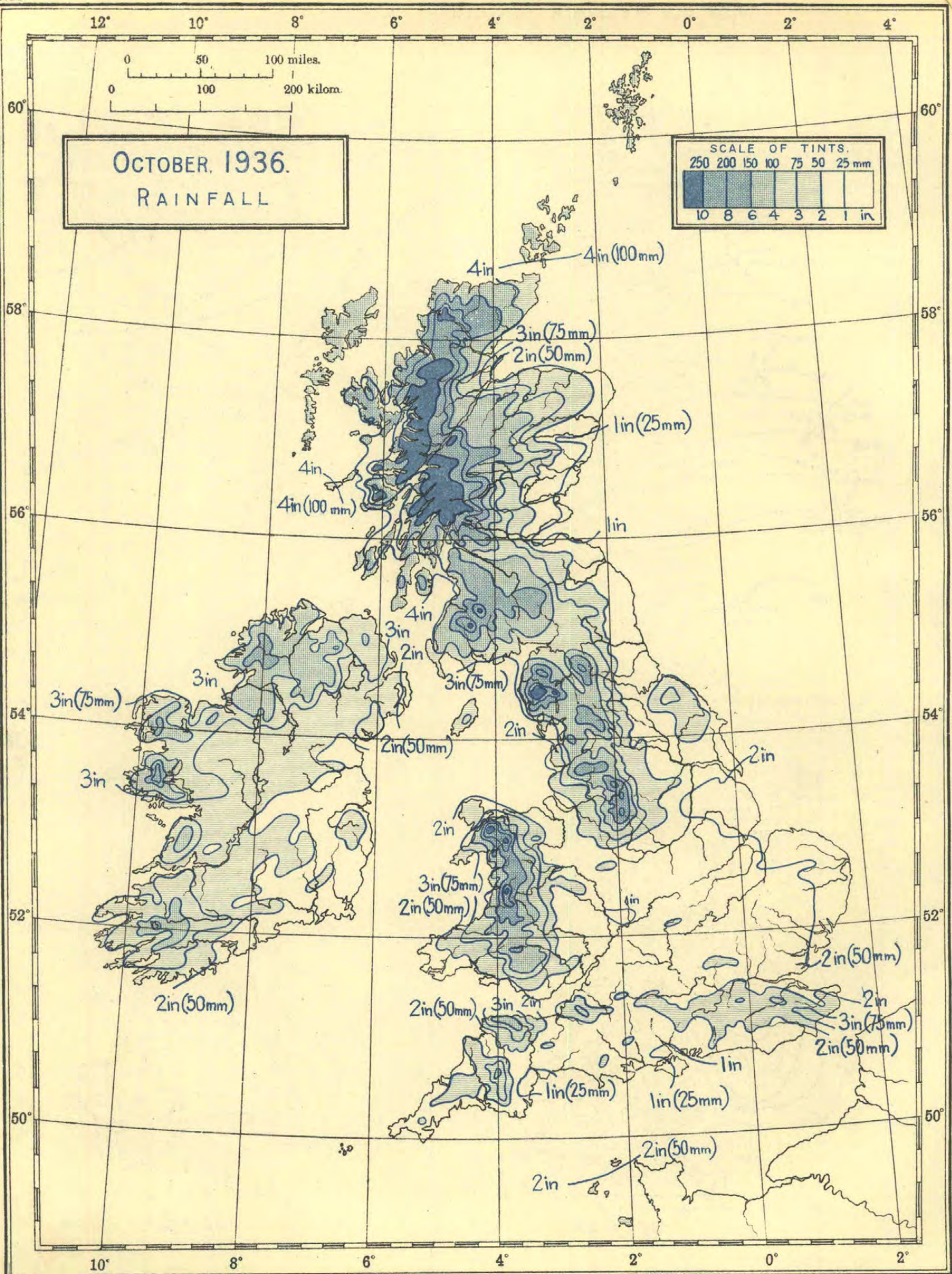
Sea temperatures are shown in large figures, thus: 49°



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







Scale 1 : 5,000,000.

Ps 483/3175 Ws 22 D 17 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				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.		Mean of A and B	Maximum	Date	Minimum																Date	Amount	Date	Snow	Thunder	Fog	Frost	Gale	Daily Mean	Difference from Average	Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
0. SCOTLAND, N.		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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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													Daily Mean	Difference from Average							
		Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.		°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%		
6b. ISLE OF MAN.		G.M.T.																													
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.																															
Northumberland. 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	-	-	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	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	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	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	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	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	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	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	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 ..		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	0	10	0	3.33	-0.17	31	
(Bot. Gdns.)																															
(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	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	-	328	
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	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																													



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										BRIGHT SUNSHINE			
				Means of		Difference from Average	Absolute Maximum and Minimum				Total Fall			Difference from Average	Most in a day		Precip'n	Number of days						Hours per day		Per Cent.					
				A	B		Maximum	Date	Minimum	Date		in.	mm.		mm.	mm.		0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost		Gale	Daily Mean	Difference from Average		
				Max.	Min.	Max.	Min.	Mean of A and B	Max.	Min.	Max.	Min.	1 ft.	4 ft.	Amount	Date	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average	Per Cent.			
4. MID. COUNTIES—cont.				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	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%		
Nottingham	Nottingham	9 9 9	192	56.1	43.5	49.8	+0.4	63	30	34	4,29	49.1	53.5	1.23	31	-34	6	30	18	10	-	-	-	-	4	4	-	3.35	+0.55	32	
	Sutton Bon'gton	9 9 9	157	56.3	40.3	48.3	-	65	30	26	4	49.5	-	1.22	31	-28	11	24	13	9	1	0	0	0	1	4	-	3.44	-	32	
	Worksop	9 9 9	56	57.5	41.9	49.7	+0.2	64	4,17,30	27	4	50.4	53.5	1.87	47	-20	13	30	13	9	0	0	0	1	5	2	3.30	-	31		
Leicester.	Belvoir Castle	2121 9	259	56.0	42.0	49.0	+0.1	66	4	30	4	50.8	54.9	1.89	48	-21	11	24	16	12	-	-	-	-	4	-	3.67	+0.21	35		
Northampton	Oundle	9 9 9	147	55.9	40.4	48.1	-1.0	64	15	28	4	51.3	55.1	1.22	31	-	7	24	19	9	0	0	0	0	0	5	-	3.74	+0.27	35	
Warwick.	Birmingham	18-7 7	535	54.8	44.0	49.4	+0.2	63	30	37	4,29	49.3	52.4	1.61	41	-30	11	24	14	10	0	0	0	0	0	6	0	2.99	+0.18	28	
	Sparkhill	713 7	425	56.3	41.9	49.1	-0.4	65	22	30	4	-	-	1.63	41	-34	8	24	14	9	0	0	1	0	3	11	-	-	-	-	
	Coventry..	9 9 9	241	56.2	41.0	48.6	-1.3	64	15	28	29	51.8	55.5	1.30	33	-38	6	30	14	12	0	0	0	1	0	5	-	3.12	+0.21	298	
	Rugby	2121 9	390	58.8	39.2	49.0	-	65	4	30	7	-	-	1.54	39	-	8	30	16	13	0	0	0	0	0	1	-	-	-	-	
	Stratford-on-Avon	9 9 9	210	56.4	41.0	48.7	-	64	15	31	4	-	-	0.85	22	-	7	30	12	7	0	0	0	0	1	-	-	3.28	-	31	
Oxford.	Oxford	9 9 9	208	56.9	41.4	49.1	-1.4	67	15	32	4	51.0	55.0	1.32	33	-40	11	30	11	8	0	0	1	1	0	7	2	3.33	+0.02	31	
Bucks.	Halton	9 9 9	544	54.9	41.2	48.1	-	65	15	34	7,29	50.3	54.4	1.81	46	-	13	31	11	9	0	0	0	1	0	15	-	2.97	-	28	
	Mursley	9 9 9	490	55.2	40.5	47.9	-	64	15	32	29	48.9	-	1.38	35	-37	13	31	14	7	-	-	-	-	-	-	-	3.30	-	31	
Stafford.	Mayfield	9 9 9	374	55.2	40.1	47.7	+0.2	62	30	28	4,29	-	-	3.27	83	-2	17	27	19	13	1	0	2	1	-	8	-	2.81	0.00	278	
Shropshire.	Newport	9 9 9	211	56.2	41.0	48.6	-	62	15,22,30	30	8,29	-	-	1.41	36	-31	14	30	18	8	0	0	0	0	2	8	-	3.14	-	30	
	Shrewsbury	9 9 9	184	56.5	38.5	47.5	-1.9	63	15,30	25	8	51.5	55.1	1.87	47	-	21	30	13	9	0	0	1	0	1	9	3	3.03	-	29	
Worcester.	Malvern	9 9 9	380	56.5	44.7	50.6	+0.6	64	15	36	4	50.3	54.0	1.57	40	-36	15	30	12	5	0	0	1	0	0	0	-	3.53	+0.28	33	
	Worcester (Perdiswell)	9 9 9	94	57.6	40.4	49.0	-	66	22	27	29	-	-	1.25	32	-	13	30	12	7	0	0	0	0	-	11	-	3.26	-	31	
Hereford.	Bromyard	9 9 9	393	56.2	40.0	48.1	-0.4	64	15	28	4,29	50.2	54.3	1.71	43	-	13	30	15	10	0	0	0	0	4	5	-	-	-	-	
	Hereford	9 9 9	292	56.1	40.2	48.1	-1.0	64	15	30	4,8	-	-	1.70	43	-35	23	30	11	10	0	0	0	0	8	1	-	-	-	-	
	Ross-on-Wye	18-7 7	223	55.9	42.1	49.0	-1.7	64	15	30	8	50.5	54.2	1.54	49	-45	13	30	13	9	0	0	1	0	2	9	1	3.43	+0.20	32	
Gloucester.	Bristol (Horfield)	18-7 7	206	57.4	43.0	50.2	-	66	15	33	6	52.3	55.7	1.69	43	-	10	31	14	12	0	0	1	0	1	4	0	-	-	-	-
	Cheltenham	2121 9	214	56.7	41.1	48.9	-1.6	65	15	33	8,29	51.0	56.0	1.53	39	-31	12	30	15	8	0	0	1	0	4	8	0	3.38	-0.11	32	
	Cirencester	9 9 9	443	55.1	40.1	47.6	-1.3	61	15	29	29	-	-	1.37	35	-	14	31	11	8	0	0	1	-	4	-	3.64	-	34		
	Parkend	9 9 9	325	55.1	40.2	47.7	-	64	15	30	29	50.6	53.9	1.69	43	-	20	30	11	5	0	0	0	0	5	15	-	3.46	-	32	
5. ENGLAND, S.E.																															
London.	City, Bunhill Row..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.69	+0.32	25	
	Camden Square	9 9 9	110	57.0	43.6	50.3	-1.4	67	15	36	4,29	51.0	55.0	2.04	52	-15	18	31	13	10	0	0	0	1	-	4	-	-	-	-	
	East Ham	9 9 9	15	57.1	44.0	50.5	-0.9	67	15	36	4,29	-	-	1.51	38	-23	12	31	12	8	-	-	-	-	-	-	-	-	-	-	
	Enfield	9 9 9	148	56.5	42.1	49.3	-0.8	66	15	32	4,29	-	53.8	1.73	44	-25	17	31	13	9	0	0	0	0	2	-	3.15	-	29		
	Greenwich	2424 9	149	56.8	42.0	49.4	-1.7	67	15	30	29	52.4	55.1	1.80	46	-18	14	31	15	8	0	0	1	1	3	8	0	2.80	-0.37	26	
	21-9 -	-	-	56.4	43.3	49.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hampstead	9 9 9	450	54.5	41.2	47.9	-2.0	65	15	33	29	-	-	1.89	48	-	14	31	13	9	0	0	0	1	-	10	-	3.04	-0.31	28	
	Kensington	18-9 9	80	56.4	44.5	50.5	-2.0	67	15	34	29	51.9	55.4	1.94	49	-17	17	31	10	9	0	0	0	1	2	2	0	2.70	-	25	
	Kingsway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Regent's Park	9 9 9	129	56.9	43.5	50.2	-	66	15	35	29	-	-	1.78	45	-	17	31	11	9	0	0	0	1	4	5	-	2.54	-	24	
	Kew	2424 24	18	56.1	42.8	49.5	-1.4	65	15	33	29	50.4	54.7	1.79	45	-24	21	31	11	8	0	0	0	1	4	9	0	2.33	-0.08	27	
	Observatory	18-7 -	-	55.9	43.7	49.8	-2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham	2121 9	51	57.5	44.6	51.1	-0.7	66	15	37	4,29	-	57.4	1.78	45	-19	12	31	12	8	0	0	0	0	-	0	-	3.04	+0.12	23	
	Westminster	9 9 9	27	57.2	44.6	50.9	-1.8	67	15	34	29	-	-	1.80	46	-15	17	31	11	8	0	0	0	0	-	1	-	2.75	+0.09	26	
	Surrey.	Addington	9 9 9	472	55.1	42.2	48.7	-1.5	65	15	35	7,29	-	-	2.49	63	-	23	31	14	10	0	0	0	0	6	-	-	-	-	-
		Croydon	18-7 7	217	56.1	43.6	49.9	-1.7	66	15	33	7,29	-	-	2.11	54	-22	20	31	14	8	0	0	1	0	1	5	0	2.85	-0.67	27
		Wisley	9 9 9	150	55.9	40.4	48.1	-2.4	66	15	29	4,7	51.5	55.2	2.01	51	-	14	24	13	7	0	0	1	0	2	16	1	2.82	-0.45	268
Kent.	Biggin Hill	18-7 7	567	54.2	42.7	48.5	-1.8	65	15	34	4,5,7	-	-	2.57	65	-27	27	31	15	10	0	0	3	0	2	10	0	3.66	-0.20	34	
	Bromley	9 9 9	213	56.6	42.2	49.4	-	67	15	32	4,29	-	-	2.27	58	-11	21	31	13	9	0	0	1	1	0	6	-	-	-	-	
	Canterbury	9 9 9	135	56.3	42.6	49.5	-1.6	65	4,15	30	4	52.3	54.4	2.53	64	-	22	6	17	11	-	-	-	-	-	-	-	-	-	-	
	Dover	9 9 9	22	56.9	46.2	51.5	-0.4	63	16	39	29	52.8	56.9	3.26	83	-	23	31	18	11	0	0	0	0	0	0	0	3.92	-0.06	37	
	Dungeness	18-7 7	20	57.1	44.4	50.7	-2.4	62	15,16	32	29	-	-	1.64	42	-47	20	31	14	7	0	0	0	0	0	0	0	-	-	-	-
	East Malling	9 9 9	132	56.1	39.7	47.9	-	67	15	27	4	-	-	2.38	60	-	23	31	16	11	0	0	1	0	0	12	0	3.47	-	32	
	Folkestone	9 9 9	101	56.0	45.0	50.5	-2.3	65	15	38	26	-	56.6	2.48	63	-	21	31	17	11	0	0	1	0	1	0	-	3.90	+0.13	36	
	Goudhurst	9 9 9	290	55.6	40.0	47.8	-	65	15	29	9	-	-	2.20	56	-	23	31	19	9	0	0	0	0	0	11	-	-	-	-	
	Lympe	18-7 7	346	54.3	42.2	48.3	-2.9	64	15	34	29	-	54.9	2.17	55	-44	18	31	15	9	0	0	0	0	2	2	0	4.11	+0.12	38	
	Manston	18-7 7	142	55.8	44.3	50.1	-	65	15	36	4	-	-	2.06	52	-	15	6	15	10	0	0	1	0	1	2					

†† Tottenham is used as a "district value" station for England, E., and not for England, S.E.

\*§ § See Notes on Tables on last page of this issue.

g Temperature from thermometers on a Glaisher stand.







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				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		Amount	Date										0.2 mm. or more	1 mm. or more		Snow	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average
8b. ENGLAND, S.W.—cont.																																
Dorset.	Holton Heath	9 9 9	64	57.3	40.8	49.1	-2.6	66	15	29	29	52.0	56.4	1.77	45	-	12	31	12	9	0	0	0	0	0	6	0	3.22	-0.53	30		
	Portland Bill	18-7 7	32	56.5	49.0	52.7	-2.1	60	15, 16	40	7	-	-	1.40	36	-4.9	9	24	11	8	0	0	0	0	0	-	0	-	-	-		
Devon.	Shaftesbury	9 9 9	722	53.7	42.1	47.9	-2.0	60	15	35	6	-	-	1.68	43	-5.6	8	24	12	11	0	0	0	0	0	-	-	-	-	-		
	Arlington	9 9 9	613	56.0	42.4	49.2	-1.1	61	15	32	7	-	-	4.46	113	-4.9	33	30	17	13	0	0	2	0	0	9	-	-	-	-		
	Cullompton	9 9 9	202	57.6	40.2	48.9	-1.9	64	15	28	8	51.2	-	1.31	46	-5.9	11	25	13	13	0	0	0	0	0	14	-	3.81	+0.55	36		
	Ilfracombe	9 9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Killerton	9 9 9	159	58.5	40.9	49.7	-2.3	65	15	27	8	-	-	1.48	38	-	8	27	13	10	-	-	-	-	1	13	-	-	-	-		
	Moretonhampstead	9 9 9	798	54.6	42.8	48.7	-	60	15, 30	32	8	50.3	53.2	1.53	39	-	10	24	12	10	0	0	1	0	0	9	0	3.85	-	36		
	Newton Abbot	9 9 9	375	58.0	43.9	50.9	-	68	15	36	7	-	-	0.93	24	-81	8	24	8	5	1	0	0	0	1	6	-	4.01	-	38		
	Paignton	9 9 9	12	58.2	46.2	52.2	-0.3	67	15	33	8	-	-	0.84	21	-	9	24	8	7	0	0	0	0	0	2	-	4.02	+0.38	38		
	Plymouth (Hoe)	2121 9	117	57.9	45.5	51.7	-1.3	62	15, 16	35	8	52.1	55.7	1.11	28	-73	9	25	13	8	0	0	0	1	0	5	3	3.84	+0.20	36		
	Plymouth (Mount Batten)	18-7 7	82	57.5	46.6	52.1	-2.4	62	1, 15, 16	36	8	-	-	1.08	27	-	7	25	12	6	0	0	0	0	1	1	1	3.77	+0.01	35		
	Princetown	9 9 9	1430	52.3	40.2	46.3	-2.2	58	4	34	7, 8	-	-	3.73	95	-119	16	24	16	14	0	0	0	0	5	4	-	-	-	-		
	Sidmouth	9 9 9	25	58.6	44.6	51.5	-0.5	66	15	34	8	-	-	1.03	26	-	6	27	11	6	0	0	1	1	0	0	-	3.98	-	37		
	Tavistock	9 9 9	457	56.7	42.8	49.7	-2.1	61	1, 15, 16	32	8	-	54.9	1.61	41	-92	9	24	14	11	0	0	1	0	1	7	1	-	-	-		
	Teignmouth	9 9 9	20	58.6	46.4	52.5	-0.4	67	15	35	8	-	-	0.65	16	-82	6	24	8	5	0	0	0	0	0	-	-	3.84	+0.25	36		
Cornwall.	Torquay	9 9 9	27	58.5	46.2	52.3	-2.2	66	15	36	8	-	56.3	0.75	19	-84	9	24	7	5	0	0	0	0	0	1	0	4.16	+0.47	39		
	Falmouth Obs.	9 9 9	167	58.1	48.0	53.1	+0.4	64	15	39	7	53.6	58.1	1.55	39	-87	13	25	15	12	0	0	0	1	1	0	-	3.73	+0.07	35		
	Fowey	9 9 9	51	59.6	46.1	52.9	-0.5	67	15	35	8	-	-	1.58	40	-	10	25	13	12	0	0	0	0	1	-	-	3.49	-0.26	33		
	Gulval	9 9 9	20	59.0	47.0	53.0	-	65	15	37	7	-	-	1.65	42	-	15	25	15	9	0	0	1	0	-	0	-	3.83	-	36		
	The Lizard	18-7 7	240	57.3	48.7	53.0	-	62	15, 16	40	7	-	-	1.17	30	-	9	25	13	9	0	0	1	1	1	-	0	-	-	-		
	Newquay	9 9 9	190	57.3	47.6	52.5	-0.3	61	1, 5, 15	36	7	53.0	56.1	1.48	38	-63	15	25	13	8	0	0	0	0	0	-	3.77	+0.12	35			
	Redruth	9 9 9	397	56.3	45.8	51.1	-2.0	60	15, 16	37	8	-	-	1.82	46	-87	9	25	17	13	0	0	0	0	0	3	0	-	-	-	-	
	9. IRELAND, N.																															
Sligo.	Markree Cas.	9 9 9	122	57.7	42.5	50.1	+1.2	62	1	27	7	52.7	54.6	3.82	97	-7	19	24	21	16	0	0	2	1	0	-	3	2.97	+0.30	285		
Mayo.	Blacksod Pt.	18-7 7	18	56.8	48.3	52.5	-	60	1, 4, 5	40	25, 27	-	-	3.77	96	-31	19	24	18	16	0	0	3	0	0	-	6	-	-	-	-	
	Mallaranny	9 9 9	113	57.8	46.5	52.1	+1.0	62	1, 4	38	9	-	-	5.43	138	-	17	25	16	16	-	-	-	-	0	-	-	3.26	+0.70	31		
Donegal.	Malin Head	9 9 9	84	54.9	47.4	51.1	+0.7	59	17	36	7	-	-	3.81	97	+22	17	24	19	16	0	0	6	0	0	-	6	3.02	+0.29	29		
Antrim.	Aldergrove	18-7 7	238	55.3	43.8	49.5	-	60	4	30	7	-	-	2.46	62	-14	12	18	18	12	0	0	0	0	4	2	2.95	-	28			
Down.	Donaghadee	8 8 8	40	55.6	45.2	50.4	+0.6	60	14, 16, 22	36	26, 28	-	-	2.02	51	-22	8	18	17	14	-	-	-	-	0	-	-	3.25	-	31		
	Hillsborough	9 9 9	388	54.2	42.8	48.5	-	58	6, 14, 29	34	7	51.4	-	2.27	58	-	12	26	15	11	0	0	0	1	1	3	2	3.25	-	31		
Armagh.	Armagh	9 9 9	204	56.2	42.7	49.5	+0.6	61	14	30	8	51.1	53.6	2.80	71	+2	13	24	15	12	0	0	2	1	1	3	0	2.97	+0.14	28		
Longford.	Newtownforbes	2121 9	154	56.5	41.9	49.2	+0.7	62	15	29	7	50.4	53.7	2.37	60	-23	9	29	16	13	0	0	0	0	-	-	-	-	-	-		
10. IRELAND, S.																																
Dublin.	Balbriggan	9 9 9	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Dublin City	2121 9	54	56.6	46.1	51.3	+0.4	62	17, 26, 29	38	7	-	-	1.32	33	-35	12	30	14	9	0	0	0	0	1	0	0	-	-	-	-	
	Glasnevin	2121 9	55	58.0	43.3	50.7	+0.7	63	15, 29	32	7, 8	-	-	1.44	37	-32	11	30	15	11	0	0	0	0	2	2	0	-	-	-	-	
	Phoenix Pk.	2121 9	155	57.7	43.5	50.6	+1.3	63	29	30	7	-	-	1.65	42	-25	11	30	16	11	0	0	0	0	0	5	-	3.47	+0.34	33		
	Trin. Coll.	2121 9	13	57.9	46.6	52.3	+1.2	64	15	38	7	52.7	54.4	1.33	34	-30	11	30	12	10	0	0	0	0	-	0	1	-	-	-	-	
	Hazelhatch	9 9 9	366	57.2	41.5	49.3	-	63	29	31	7	52.6	54.3	1.46	37	-	12	30	13	10	-	-	-	-	0	-	-	3.17	-	30		
	(Peamount San.)																															
	Rathfarnham	9 9 9	169	57.1	44.8	50.9	-	63	29	35	7, 8	51.4	-	1.50	38	-	15	30	15	11	0	0	0	1	1	0	-	3.72	-	35		
Wicklow.	Newcastle	2121 9	256	56.3	44.8	50.5	+0.3	64	29	38	7, 8	-	-	1.46	37	-	15	30	11	8	0	0	0	0	0	-	-	-	-	-		
Offaly.	Birr Castle	18-7 7	173	56.8	43.6	50.2	-0.5	62	14	30	7	52.1	54.7	1.95	49	-25	12	30	16	12	0	0	0	0	1	10	0	3.15	+0.23	29		
Waterford.	Seskin, Carrick-on-Suir	2121 9	535	55.6	43.7	49.7	+0.2	63	29	38	7, 25, 31	-	-	1.54	39	-	10	30	14	8	0	0	0	0	0	2	2	3.55	+0.53	33		
	Waterford	9 9 9	137	57.9	44.7	51.3	+0.4	64	14, 15	35	7	-	-	1.42	36	-64	16	30	10	7	0	0	0	0	3	-	3	-	-	-		
Limerick.	Foynes	9 9 9	43	58.0	45.9	51.9	+1.0	62	1	31	7	-	-	3.12	79	-17	12	29	18	13	-	-	-	-	-	-	-	-	-	-		
Kerry.	Valentia Obs.	242424	30	57.6	50.5	54.1	+2.0	62	16	37	11	54.7	56.3	3.05	77	-65	13	23	17	14	0	0	1	0	0	1	4	2.80	-0.17	268		
		18-7 -	-	57.9	50.3	54.1	+1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cork.	Ballinacurra	9 9 9	24	58.7	45.4	52.1	+2.0	65	15	35	7, 24	-	-	1.15	29	-74	9	30	11	7	0	0	0	0	-	-	-	2.95	-0.09	28		
	Cork	9 9 9	57	59.2	44.4	51.8	-	65	15	34	7	-	-	1.53	39	-60	7	25	16	8	0	0	0	0	0	5	-	2.55	-	24		
	Roche's Pt.	18-7 7	22	57.9	49.3	53.6	+2.1	64	15	42	7</																					



TABLE IV.—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 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	0	1													2	3
0. SCOTLAND, N.																																						
Shetlands.	Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
		1	160	1008.7	-	47.4	2.3	9.1	82	7.7	0	2	6	12	11	0	0	0	0	0	1	5	6	19	0	4	13	12	2	2	4	3	0	5	3	6	6	
		7	160	1009.1	+0.2	46.9	2.3	9.1	82	8.4	0	0	2	21	8	0	0	0	0	0	2	2	6	19	2	1	20	8	2	4	3	2	2	3	2	8	5	
		13	160	1009.2	-	49.1	3.5	8.8	74	7.8	0	2	3	21	5	0	0	0	0	0	1	3	4	22	1	4	18	9	0	2	3	3	1	1	6	7	8	
Orkneys.	Deerness ..	18	160	1008.9	-	47.1	2.2	9.2	83	8.2	0	0	7	14	10	0	0	0	0	0	1	4	9	17	0	2	19	10	0	2	3	3	1	3	5	7	7	
		9	165	1011.5	-	48.5	2.5	9.7	81	6.9	0	4	8	15	4	0	0	0	0	0	0	3	4	21	3	-	-	-	-	-	-	-	-	-	-	-	-	
		21	165	1010.6	-	47.3	2.0	9.3	85	6.2	0	8	7	11	5	0	0	0	0	0	0	1	3	27	0	-	-	-	-	-	-	-	-	-	-	-	-	
		1	83	1011.7	-	48.1	1.9	9.8	85	7.2	0	3	5	16	7	0	0	0	1	0	0	0	1	12	17	0	4	12	12	3	1	0	2	2	7	8	6	
Hebrides.	Stornoway ..	7	83	1012.4	+3.1	47.2	1.8	8.5	86	7.5	1	2	6	11	11	0	1	1	0	0	0	2	6	19	2	0	14	16	1	2	0	0	2	3	8	8	7	
		13	83	1012.3	-	52.1	3.5	10.1	76	7.9	1	2	2	19	7	0	0	0	0	1	3	6	15	6	2	14	15	0	1	1	0	4	6	7	8	4		
		18	83	1011.8	-	49.4	2.7	9.5	80	7.5	0	3	4	17	7	0	0	0	0	0	0	3	7	17	4	1	15	13	2	1	0	1	3	3	9	9	3	
		1	79	1011.0	-	46.1	1.6	9.2	87	7.8	0	3	2	15	11	0	0	0	0	0	0	0	7	24	0	2	9	19	1	1	0	3	2	2	6	11	5	
Caithness.	Wick ..	7	79	1011.3	+1.8	44.7	1.8	8.7	85	8.5	0	1	3	13	14	0	0	0	0	0	0	0	4	27	0	3	10	18	0	1	0	0	2	2	6	11	9	
		13	79	1011.9	-	50.7	3.2	9.9	78	8.2	0	0	5	16	10	0	0	0	0	0	0	0	0	31	0	2	12	17	0	2	1	2	1	4	7	7	7	
		18	79	1011.1	-	47.8	2.0	9.7	85	8.1	0	2	4	11	14	0	0	0	0	0	1	0	5	25	0	3	8	19	1	0	3	2	1	3	7	9	5	
		7	1180	971.9	-	39.7	1.3	7.4	88	8.0	1	4	1	6	19	0	1	0	0	0	1	2	14	13	0	1	8	19	3	1	1	0	3	11	5	3	4	
Inverness.	Dalwhinnie†	13	1180	972.0	-	47.7	3.5	8.4	73	7.5	0	5	5	6	15	0	0	0	0	0	0	1	14	16	0	0	10	21	0	2	4	0	0	6	12	3	4	
		18	1180	971.5	-	44.0	2.0	8.2	84	7.3	0	6	4	9	12	0	0	0	0	0	0	3	17	11	0	0	10	17	4	1	1	0	2	5	14	3	1	
		9	250	1013.9	-	46.5	0.7	10.3	95	5.3	0	4	21	4	2	0	0	1	0	0	1	3	4	6	16	0	4	26	1	0	1	0	0	3	15	4	7	
		17	250	1012.8	-	48.8	0.5	11.4	96	4.8	1	7	20	3	0	0	0	0	0	0	0	1	5	13	12	0	2	28	1	0	4	2	1	1	14	6	2	
1. SCOTLAND, E.																																						
Aberdeen.	Aberdeen H	7	85	1013.0	+2.2	45.3	2.4	8.3	81	6.7	0	7	5	15	4	0	0	0	0	0	2	5	7	17	0	0	6	24	1	0	0	1	0	6	3	8	12	
		13	85	1013.6	+2.6	51.8	4.7	9.0	69	6.4	0	12	1	12	6	0	0	0	0	0	0	3	6	21	1	0	10	21	0	2	3	0	2	4	2	11	7	
		18	85	1013.2	+2.0	48.6	3.0	9.0	78	5.3	0	14	4	11	2	0	0	0	0	0	3	7	11	10	0	0	6	23	2	4	1	0	0	6	7	7	4	
		21	85	1013.1	+1.8	46.8	2.7	8.7	80	4.3	6	12	1	7	5	0	0	0	0	1	1	12	8	9	0	0	3	26	2	1	0	0	1	4	7	7	9	
Aberdeen.	Braemar† ..	h.*	85	1013.0	+2.0	47.8	3.1	8.9	78																													
		9	1108	1015.2	-	42.4	2.1	7.4	82	7.5	2	4	3	5	17	0	0	0	0	0	1	3	25	2	0	0	7	14	10	2	0	0	0	0	7	7	5	
		9	482	1014.6	-	47.6	2.5	9.3	81	7.1	2	5	4	9	11	-	-	-	-	-	-	-	-	-	-	-	0	6	25	0	4	0	1	2	1	5	14	4
		21	482	1013.9	-	46.2	2.1	8.8	83	5.4	5	8	5	0	13	-	-	-	-	-	-	-	-	-	-	-	2	7	22	0	1	1	2	0	0	5	16	6
Perth.	Crieff ..																																					
		1	184	1014.2	-	48.4	0.9	10.6	93	6.3	0	13	3	4	11	0	0	0	0	1	0	3	4	22	1	2	13	16	0	2	0	3	1	1	23	1	0	
		7	184	1014.4	-	47.7	1.0	10.5	92	7.9	0	4	1	17	9	0	1	0	1	1	0	6	3	18	1	1	13	17	0	2	0	1	1	0	21	5	1	
		13	184	1015.2	-	51.7	1.9	11.5	87	7.9	0	2	4	18	7	0	0	0	0	2	0	2	5	21	1	1	11	19	0	2	4	3	0	1	17	2	2	
Fife.	Inchkeith ..	18	184	1014.6	-	51.1	1.5	11.4	89	7.8	0	2	6	12	11	0	0	0	0	0	0	3	8	20	0	2	12	17	0	0	2	4	2	2	18	2	1	
		7	36	1014.2	-	45.0	2.2	8.6	83	6.7	0	9	3	10	9	0	1	0	0	1	1	5	4	16	3	0	11	15	5	0	0	2	0	0	6	12	6	
		13	36	1014.8	-	53.0	4.6	9.6	70	6.7	0	7	5	12	7	0	0	0	0	0	0	4	4	18	5	0	13	16	2	0	3	2	2	1	4	12	5	
		18	36	1014.4	-	48.4	2.6	9.5	81	6.4	1	8	4	12	6	0	0	0	0	0	0	5	5	19	2	0	9	20	2	0	5	0	2	0	8	12	2	
Fife.	Leuchars.. H																																					
		9	441	1015.5	-	47.3	2.4	9.0	81	6.8	1	7	4	8	11	0	0	0	0	4	5	17	5	0	0	1	11	17	2	1	1	0	2	2	9	12	2	
		21	441	1015.0	-	47.1	2.5	8.9	81	5.6	3	8	6	4	10	0	0	0	0	2	8	18	2	1	0	1	12	12	6	0	0	1	1	2	11	9	1	
6a. SCOTLAND, W.																																						
Argyll.	Tiree ..	7	40	1014.5	-	49.5	2.0	10.1	85	6.6	0	6	4	18	3	0	0	0	0	0	0	3	14	13	1	2	19	10	0	4	0	3	6	1	4	7	6	
		13	40	1014.8	-	53.4	3.5	10.5	77	6.6	0	7	5	13	6	0	0	0	0	0	1	3	6	16	5	0	20	11	0	1	1	0	7	3	4	9	6	
		18	40	1014.2	-	50.4	2.5	10.1	82	7.2	0	5	4	15	7	0	0	0	0	0	1	10	6	13	1	2	18	10	1	2	0	0	5	4	5	8	6	
		9	187	1015.1	-	49.5	2.2	9.9	83	6.7	0	6	4	15	6	0	0	0	0	3	1	10	2	15	0	3	14	14	0	0	0	7	1	4	1	5	13	
Bute.	Rothesay ..	21	187	1014.6	-	49.2	2.0	10.1	85	7.4	0	1	8	12	10	0	0	1	0	1	3	2																



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 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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2. ENGLAND, N.E.—cont.			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</



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 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
5. ENGLAND, S.E.—cont.																																						
Kent.	Biggin Hill	H	7	572	1019.9	-	44.9	1.6	9.0	87	6.6	1	8	4	10	8	0	1	0	1	0	5	8	7	9	0	0	11	17	3	4	1	1	1	2	7	10	2
			13	572	1019.4	-	52.9	5.0	9.3	67	7.1	0	6	5	15	5	0	0	0	0	1	2	5	17	6	0	0	16	15	0	3	6	2	1	2	4	11	2
			18	572	1019.5	-	48.9	2.7	9.6	80	6.5	1	9	2	10	9	0	0	0	0	1	5	10	15	0	0	0	10	21	0	4	4	3	1	2	7	9	1
Kent.	Dungeness	H	7	—	—	-	48.1	2.4	9.4	82	7.1	0	3	9	19	0	0	0	0	1	3	6	21	0	0	0	7	24	0	3	1	3	2	1	8	6	7	
			13	—	—	-	55.6	5.1	10.2	67	6.6	1	4	8	17	1	0	0	0	0	1	12	18	0	0	0	13	18	0	3	4	4	2	0	5	10	3	
			18	—	—	-	52.4	3.4	10.3	77	7.2	0	4	7	17	3	0	0	0	0	1	3	6	21	0	0	0	12	18	1	3	7	2	0	0	7	6	5
Kent.	Lympne	H	1	345	1019.8	-	46.6	2.1	9.2	83	5.5	6	6	3	9	7	0	1	1	1	2	1	6	8	11	0	0	8	23	0	3	3	3	1	1	4	10	6
			7	345	1019.7	-	45.4	1.9	8.9	85	6.9	2	5	2	16	6	0	1	1	0	1	2	10	5	10	1	0	10	21	0	4	3	1	2	1	4	8	8
			13	345	1019.3	-	53.0	5.1	9.3	67	6.5	1	6	6	13	5	0	0	0	1	1	3	6	18	1	0	0	13	18	0	4	3	4	1	1	5	11	2
Kent.	Manston	H	18	345	1019.3	-	48.4	2.6	9.5	80	6.6	2	7	2	12	8	0	0	0	0	2	1	12	4	12	0	0	6	25	0	5	6	1	0	0	6	9	4
			1	141	1019.1	-	48.1	2.4	9.6	82	5.8	6	3	5	9	8	0	0	0	2	1	2	9	6	11	0	0	8	20	3	0	1	3	1	2	9	7	5
			7	141	1019.0	-	47.4	2.2	9.4	83	7.6	0	4	4	12	11	0	0	0	1	1	3	8	6	11	1	0	10	20	1	1	1	3	2	1	9	9	4
Kent.	Tunbridge Wells	H	13	141	1018.8	-	54.6	5.7	9.4	63	6.3	1	5	9	12	4	0	0	0	0	2	5	10	14	0	0	17	14	0	0	4	4	2	1	4	10	6	
			18	141	1018.7	-	50.6	3.5	9.7	76	7.1	0	7	2	14	8	0	0	0	0	2	0	10	12	7	0	0	11	18	2	2	4	3	0	2	5	9	4
			9	407	1020.2	-	48.2	1.9	9.8	85	6.6	1	6	5	10	9	0	0	0	0	0	8	11	8	4	0	0	6	25	0	4	6	1	1	0	3	8	8
Sussex.	Brighton	H	9	48	1020.6	-	51.4	3.8	9.9	75	6.5	3	6	4	6	12	0	0	0	0	1	8	13	7	2	0	0	3	28	0	1	2	7	2	0	4	9	6
Sussex.	Hastings	H	9	121	1019.5	-	50.6	3.0	9.9	78	6.5	2	6	6	9	8	0	0	0	0	1	6	18	5	1	0	0	7	24	0	5	6	1	2	1	6	0	10
			21	121	1019.3	-	49.6	2.5	10.0	82	4.6	13	2	4	3	9	0	0	1	0	1	13	8	5	3	0	0	5	26	0	1	9	0	2	1	6	0	12
Hampshire.	Calshot	H	7	15	1020.0	-	47.2	1.4	9.9	89	7.2	0	5	4	15	7	0	0	1	1	0	2	14	8	5	0	0	10	20	1	7	2	1	0	2	6	8	4
			13	15	1019.9	-	55.2	4.1	11.0	74	8.2	0	1	4	18	8	0	0	0	0	0	0	7	12	12	0	0	20	11	0	4	4	2	2	7	6	4	
			18	15	1019.7	-	52.1	2.6	10.9	82	6.4	0	10	3	10	8	0	0	0	0	0	1	12	10	8	0	0	10	20	1	6	2	3	0	1	7	8	3
Hampshire.	Southampton	H	9	84	1020.5	+6.1	50.8	2.9	10.0	79	6.5	3	3	10	4	11	0	0	2	0	5	4	17	3	0	0	0	7	23	1	0	11	1	0	1	3	5	9
			21	84	1020.6	+6.3	49.6	2.6	10.0	83	4.0	11	5	5	7	3	-	-	-	-	-	-	-	-	-	-	0	6	24	1	2	8	1	0	0	9	0	10
Hampshire.	S. Farnborough	H	7	256	1019.8	-	43.0	1.0	8.9	91	6.7	1	4	9	9	8	0	2	0	1	3	5	7	7	5	1	0	5	20	6	0	3	2	0	2	13	3	
			13	256	1019.3	-	55.3	5.3	10.1	67	8.1	0	2	5	17	7	0	0	0	0	0	6	15	8	2	0	0	15	16	0	2	5	2	2	1	5	9	5
			18	256	1019.4	-	50.4	2.9	10.0	78	6.9	0	6	5	17	3	0	0	0	0	1	2	11	11	6	0	0	6	24	1	4	1	3	2	1	3	11	5
I. of Wight.	Ventnor (Hosp.)	H	9	80	1020.0	-	52.9	3.4	10.4	79	6.3	0	9	6	8	8	-	-	-	-	-	-	-	-	-	-	0	8	23	0	4	4	3	2	0	2	10	6
			15	80	1019.3	-	55.0	4.4	10.5	72	6.1	0	10	7	6	8	-	-	-	-	-	-	-	-	-	-	0	7	24	0	5	2	6	1	0	0	12	5
Wilts.	Amesbury (Boscombe Down)	H	7	420	1020.2	-	44.0	1.2	9.0	91	6.9	2	6	4	6	13	0	0	1	0	0	7	2	19	2	0	0	6	24	1	4	6	2	0	3	3	8	4
			13	420	1019.9	-	53.9	5.0	9.7	68	8.1	0	0	7	14	10	0	0	0	0	0	2	13	15	1	0	0	18	12	1	3	5	2	3	1	5	7	3
			18	420	1019.9	-	49.9	2.7	10.0	80	6.7	0	8	5	8	10	0	0	0	1	0	1	3	17	9	0	0	10	20	1	4	4	2	1	2	4	8	5
Wilts.	Larkhill	H	9	444	1020.2	-	48.6	2.0	10.0	85	6.3	1	8	6	7	9	0	0	1	0	3	1	7	12	7	0	0	17	13	1	3	6	2	2	1	4	11	1
			13	444	1019.7	-	53.9	4.7	10.0	70	7.9	0	2	6	14	9	0	0	0	0	0	3	9	19	0	1	0	12	9	0	1	6	3	2	1	6	5	7
			15	444	1019.5	-	53.3	4.4	10.0	71	7.3	0	5	6	14	6	0	0	0	0	0	1	3	9	18	0	0	20	9	2	2	6	2	2	0	6	6	5
7a. ENGLAND, N.W.																																						
Lancashire.	Hutton	H	9	86	-	-	50.5	2.7	10.1	81	6.6	0	8	2	16	5	-	-	-	-	-	-	-	-	-	-	4	6	21	0	2	7	1	4	2	2	6	7
Lancashire.	Manchester (Barton)	H	7	83	1018.1	-	45.4	1.4	9.4	89	7.4	0	5	5	12	9	1	0	1	1	4	10	6	6	2	0	0	8	20	3	1	3	4	2	1	4	5	8
			13	83	1017.8	-	53.8	4.3	10.2	72	8.0	0	2	7	14	8	0	0	0	0	2	3	11	12	3	0	0	13	18	0	3	4	1	2	4	3	3	11
			18	83	1018.0	-	49.7	2.5	10.1	82	6.3	0	7	10	6	8	0	0	1	1	10	4	8	6	1	0	0	6	25	0	3	3	3	2	2	9	7	
Lancashire.	Manchester (Whitworth Pk.)	H	9	127	1018.5	-	49.9	2.9	9.7	79	7.1	0	5	8	8	10	-	-	-	-	-	-	-	-	-	0	4	27	0	2	5	4	2	4	4	8	2	
			21	127	1018.2	-	48.9	2.0	10.0	85	6.1	4	4	7	7	9	-	-	-	-	-	-	-	-	-	-	1	4	24	2	1	3	4	3	4	5	7	2
Lancashire.	Southport* (Bedford Rd. Park)	H	9	37	1018.2	+5.1	50.9	3.2	10.0	78	6.5	1	8	5	7	10	0	0	0	0	2	10	5	7	7	0	3	15	12	1	0	3	6	3	2	2	8	6
			13	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			18	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lancashire.	Stonyhurst	H	21	37	1018.2	+5.2	49.4	2.5	10.0	82	5.8	3	7	4	8	9	0	0	0	0	3	8	6	11	3	0	3	11	17	0	4	3	5	2	0	4	8	5
			9	381																																		



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 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
8a. SOUTH WALES—cont.																																					
Radnor.	Llandrindod 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	1	0	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
		21	216	1021.0	-	49.1	2.1	10.1	85	5.2	13	0	3	2	13	0	0	0	0	0	25	0	6	0	0	11	20	0	0	5	1	1	1	3	14	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
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	15	12	4	2	5	3	1	1	2	7	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	5
		1	37	1020.1	-	52.1	2.6	10.9	82	6.0	5	5	5	6	10	0	0	0	0	0	0	19	12	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
		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	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	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
		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
Devon.	Plymouth H	7	27	1020.6	-	49.3	2.1	10.4	85	6.2	1	5	7	11	7	0	0	0	0	4	3	6	16	1	1	7	21	2	3	6	4	1	1	3	7	4	
	(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	16	15	0	2	3	5	2	1	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	10	19	2	3	4	4	1	0	2	8	7	
		1	240	1021.3	-	51.9	2.2	11.1	85	6.2	4	6	3	9	9	0	1	0	0	0	5	25	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	1	0	0	1	4	25	0	0	20	10	1	4	2	4	1	2	3	10	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	25	0	0	24	7	0	0	3	5	1	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	17	14	0	0	3	3	5	0	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	14	17	0	2	1	2	7	3	2	8	6	
9. IRELAND, N.																																					
Sligo.	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	4	20	7	1	0	1	4	6	0	10	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	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	0	3	9	15	4	0	0	2	7	3	2	9	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	0	3	11	15	2	0	0	4	5	1	2	11	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	
		18	28	1017.6	-	53.6	3.1	11.1	79	7.6	0	2	8	10	11	0	0	0	0	0	1	16	13	1	2	16	13	0	1	1	2	5	3	3	10	6	
		1	87	1015.8	-	50.3	1.3	11.2	90	6.7	3	3	6	11	8	0	0	0	0	1	3	24	2	0	1	18	12	0	2	1	0	5	6	5	7	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	
		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	20	11	0	2	0	2	5	1	6	8	7	
		18	87	1015.9	-	51.6	1.4	11.8	90	7.7	0	3	6	12	10	0	0	0	0	1	9	16	4	0	2	14	15	0	2	1	0	6	4	4	9	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	13	14	4	0	2	4	1	3	4	9	4	
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	14	16	1	0	0	4	3	2	4	11	6	
		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	
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	0	2	9	17	0	0	2	26	3	2	0	4	3	3	8	7	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	2	11	4	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
		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
		7	193	1018.7	+6.4	46.0	0.9	9.8	92	6.4	4	5	3	11	8	0	0	0	1	0	0	0	7	23	0	0	0	29	2	0	0	3	4	5	5	9	3
Offaly.	Birr Castle ..	13	193	1019.1	-	55.3	3.9	11.2	75	8.2	0	3	2	14	12	0	0	0	0	0	0	3	28	0	0	3	28	0	1	1	2	1	7	2	11	6	6
		18	193	1018.8	-	52.4	2.8	10.8	81	7.5	1	0	4	12	10	0	0	0	0	0	0	3	28	0	0	2	29	0	1	2	1	3	7	3	8	6	
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1020.1	-	50.1	2.1	11.3	91	6.4	4	3	7	8	9	0	0	0	0	0	0	7	11	13	0	16	15	0	0	1	2	4	2	2	11	9	
		21	521	1020.4	-	48.6																															



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.

**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

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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 (Kirkcudbright).

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.



TABLE I.—DISTRICT VALUES.— NOVEMBER, 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	Per-centage of Average	No. of Days Difference from Average	Per-centage of Average	Per-centage of Possible Duration
0. SCOTLAND, N. — Eastern.	56	20	+0.6	-	-	74	-3	94	18
1. SCOTLAND, E.	58	16	-0.3	-	-	82	0	98	25
2. ENGLAND, N.E.	57	17	-0.1	+0.3	+0.5	115	+1	96	22
3. ENGLAND, E.	57	20	0.0	+1.0	+0.5	133	0	70	17
4. MIDLAND COUNTRIES ..	59	19	-0.3	+0.6	+0.7	110	0	81	18
5. ENGLAND, S.E.	58	21	-0.2	+1.3	+0.9	126	0	71	17

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

[1914.]

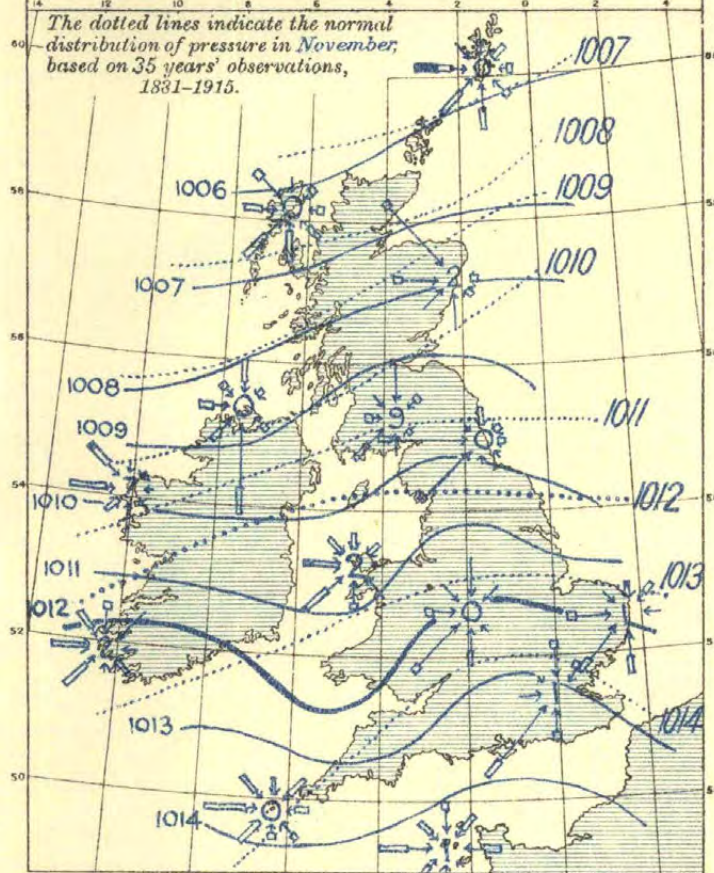
DISTRICT AND STATION	Height			Distribution of Wind ††										Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi./hr.		25 to 38 mi./hr.		13 to 24 mi./hr.		4 to 12 mi./hr.		Less than mi./hr.	No Record	Highest Hourly Wind						Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration			Veer from N.	Speed		Hour ended at		Speed		Time		
															mi./hr.	h.	mi./hr.	h.	mi./hr.	h.	mi./hr.	h.	mi./hr.
0. SCOTLAND, N.																							
Shetland. Lerwick ..	310	53	39	20,29,30	31	18	183	217	227	62	0	280	56	25	30	11	92	41	30	10	50		
Orkney. Kirkwall ..	170	40	35	30	1	10	68	308	290	53	0	270	40	18	30	02	78	35	30	10	00		
Hebrides. Stornoway ..	—	—	—	2,5,15,21	31	18	145	262	232	50	0	310	45	20	30	22	87	39	30	18	10		
1. SCOTLAND, E.																							
Aberdeen. Aberdeen ..	70	42	32	29,30	0	3	9	88	358	265	0	300	29	13	30	24	65	29	30	23	10		
Kincardine. Balmakewan ..	140	25	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Angus. Bell Rock Lighthouse	130	—	126	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Edinburgh. Edinburgh ..	485	39	23	—	0	6	43	240	331	106	0	220	35	16	29	06	57	25	29	04	45		
6a. SCOTLAND, W.																							
Argyll. Tiree ..	75	50	42	15,30	14	14	125	316	215	50	0	310	44	20	30	19	77	34	30	18	55		
Renfrew. Paisley ..	188	81	31	—	0	2	2	110	305	303	0	290	25	11	30	15	60	27	30	16	30		
Renfrew. Renfrew (Abbotsinch)	65	46	34	—	0	4	25	126	244	325	0	310	31	14	30	17	75	33	30	16	05		
Dumfries. Eskdalemuir ..	825	50	35	—	0	9	58	147	251	264	0	270	36	16	30	01	63	28	30	18	20		
6b. ISLE OF MAN.																							
Isle of Man. Point of Ayre ..	70	40	—	12,30	12	15	154	243	231	78	2	320	45	20	30	20	70	31	30	23	35		
2. ENGLAND, N.E.																							
Durham. South Shields ..	73	57	44	12	4	8	59	201	375	81	0	20	40	18	12	16	60	27	12	18	00		
Yorks., N.R. Catterick ..	220	45	33	—	0	2	9	114	346	251	0	290	32	14	30	15	66	29	30	14	40		
Yorks., E.R. Spurn Head ..	64	42	34	17,18	12	15	83	315	247	63	0	350	53	24	17	21	75	33	17	21	30		
Lincoln. Cranwell ..	284	43	33	—	0	3	10	246	284	180	0	320	26	12	17	24	51	23	30	16	40		
3. ENGLAND, E.																							
Norfolk. Gorleston ..	52	42	34	18	7	6	44	201	394	74	0	360	45	20	18	06	65	29	18	06	10		
Suffolk. Felixstowe Aero. ..	60	45	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Suffolk. Mildenhall ..	64	45	20	—	0	4	9	187	344	180	0	310	31	14	18	02	61	27	18	02	40		
Bedford. Caddington ..	285	150	135	9	3	9	61	286	255	115	0	200	44	20	9	03	62	28	9	02	20		
Essex. Shoeburyness ..	115	104	89	9	1	10	74	327	246	49	23	220	41	18	9	03	61	27	9	03	00		
4. MIDLAND COUNTIES.																							
Warwick. Birmingham ..	643	118	73	—	0	1	3	202	438	77	0	290	26	12	30	14	48	21	8	23	25		
5. ENGLAND, S.E.																							
London. South Kensington ..	137	110	30	—	0	0	0	124	449	147	0	240	21	9	9	03	47	21	8	15	20		
Surrey. Kew Observatory ..	92	75	50	—	0	1	2	202	342	174	0	220	29	13	9	03	56	25	9	01	50		
Surrey. Croydon ..	313	105	70	—	0	9	46	326	245	103	0	220	36	16	9	03	65	29	9	05	20		
Kent. Dover ..	66	66	60	—	0	13	100	282	283	55	0	—	38	17	9	07	69	31	9	01	25		
Kent. Lympne ..	418	76	48	9,12,18	6	9	62	261	348	43	0	230	43	19	9	03	82	37	9	03	55		
Hampshire. Calshot ..	58	50	42	12	4	6	37	220	391	68	0	200	42	19	12	05	69	31	8	23	30		
Wiltshire. Boscombe Down ..	462	45	33	—	0	5	21	206	376	117	0	230	34	15	9	02	61	27	9	01	20		
Wiltshire. Larkhill ..	491	51	36	9	2	9	55	281	326	56	0	240	43	19	9	02	70	31	9	01	10		
7a. ENGLAND, N.W.																							
Lancashire. Fleetwood ..	112	50	31	30	8	10	82	248	258	124	0	320	49	22	30	21	73	33	30	23	20		
Lancashire. Manchester (Barton)	153	83	80	—	0	10	47	213	214	230	16	310	33	15	30	19	57	25	30	18	25		
Lancashire. Southport ..	60	42	33	10,30	6	13	118	173	330	93	0	270	41	18	10	13	68	30	30	23	50		
Cheshire. Bidston Obs'y. ..	262	64	39	10,30	5	10	95	244	290	86	0	310	46	21	30	23	69	31	30	22	55		
7b. NORTH WALES.																							
Anglesey. Holyhead ..	68	43	35	10,12,30	11	12	119	271	200	119	0	270	43	19	10	08	66	29	10	07	25		
Flint. Sealand ..	81	65	42	30	1	6	22	191	327	179	0	270	39	17	30	13	61	27	30	12	30		
8b. ENGLAND, S.W.																							
Devon. Moretonhampstead ..	838	40	35	—	0	7	26	227	272	195	0	240	37	17	8	24	71	32	8	22	55		
Devon. Plymouth ..	185	88	65	6,8,9,11	8	8	63	200	305	144	0	—	44	20	11	24	67	30	8	21	50		
Cornwall. The Lizard ..	315	75	60	6-21,12	54	17	191	301	156	18	0	230	56	25	8	24	87	39	8	18	50		
Cornwall. Pendennis Castle ..	256	65	42	6,8,9,11	25	13	123	294	227	51	0	270	55	25	8	23	82	37	8	21	20		
9. IRELAND, N.																							
Donegal. Dunfanaghy Road	180	47	30	—	0	7	68	136	253	243	20	—	36	16	30	18	64	29	15	08	15		
Antrim. Aldergrove ..	282	40	20	—	0	4	9	170	304	237	0	90	29	13	11	19	57	25	30	17	25		
10. IRELAND, S.																							
Dublin. Kingstown (Cup Anr.)	49	27	27	15,29	10	13	139	206	283	82	0	250	42	19	10	03	—	—	—	—	—		
Clare. Quilty ..	100	40	32	7,8	3	11	118	221	311	51	16	—	40	18	8	08	55	25	8	02	00		
Kerry. Valentia Observatory	98	41	33	—	0	6	59	239	270	152	0	270	36	16	7	09	73	33	8	07	30		
Cork. Cork ..	132	71	40	—	0	1	1	115	383	214	7	—	25	11	12	08	50	22	8	02	40		
11. SCILLY ISLES.																							
St. Mary's ..	230	65	57	7-9,11,12	49	15	173	373	122	3	0	250	56	25	8	23	77	34	8	22	25		

†† 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 1933 Annual Summary Wind Section).

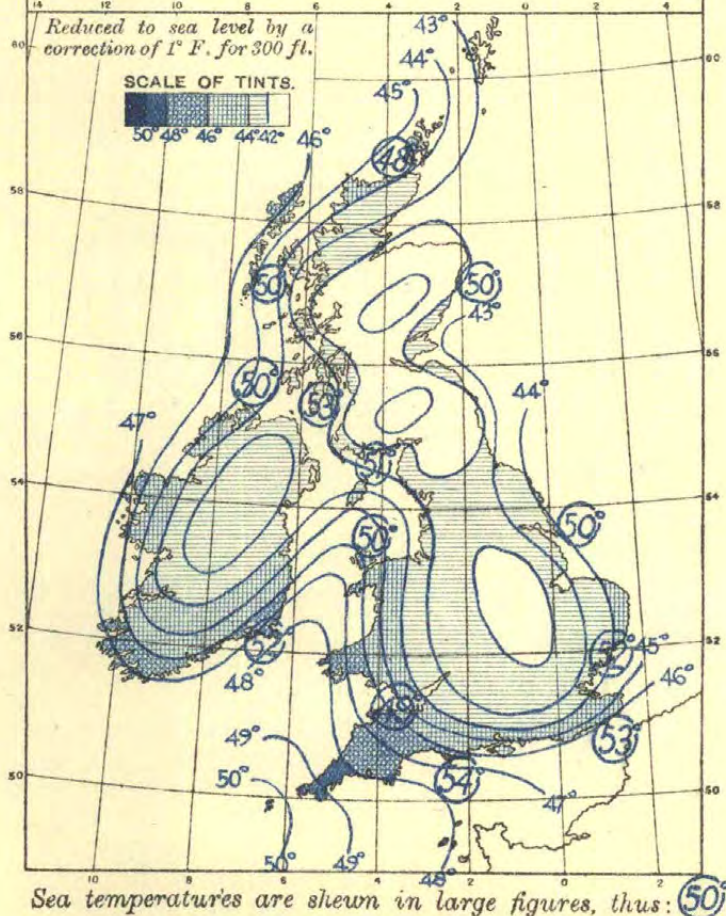


### 1. WIND AND MEAN PRESSURE. 7 A.M. \*

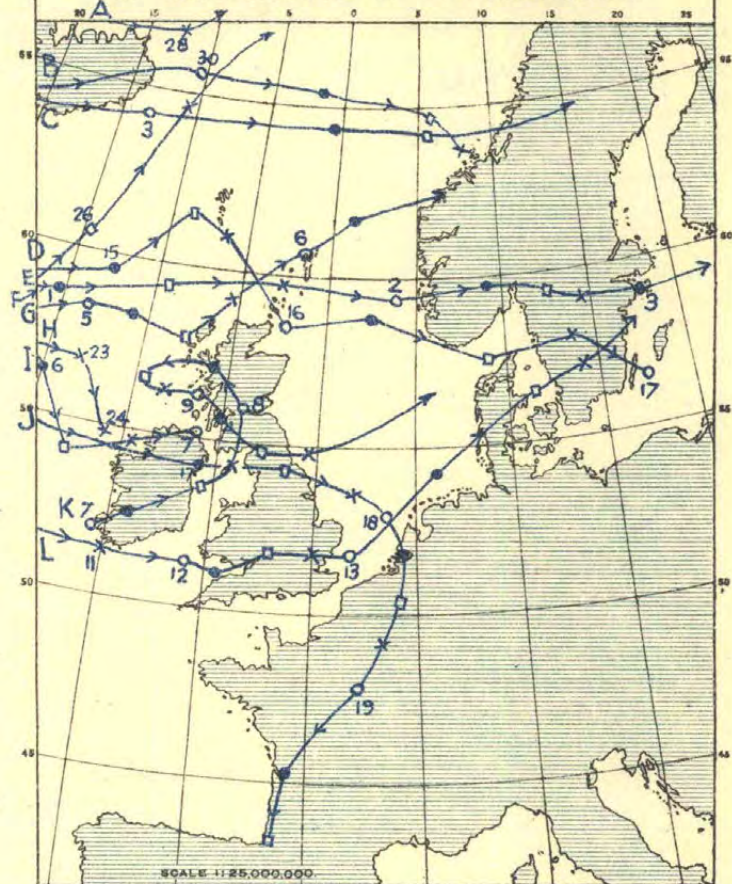


WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:   
 LIGHT TO STRONG SCALE   
 10 20 30 OBS. 1 inch \*

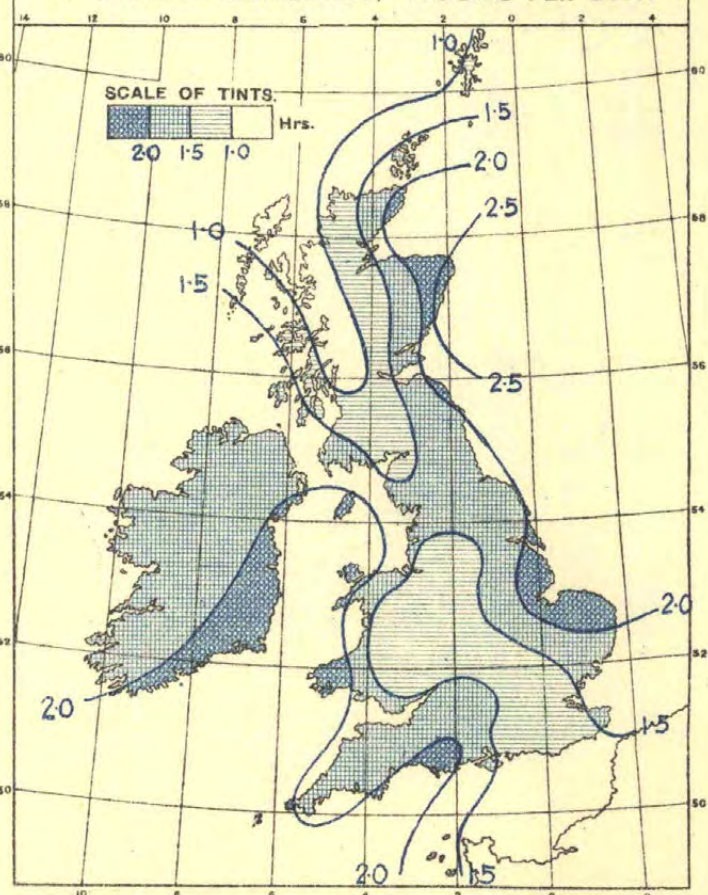
### 3. DISTRIBUTION OF MEAN TEMPERATURE.



### 2. MOVEMENTS OF DEPRESSIONS.

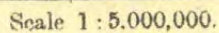


### 4. BRIGHT SUNSHINE, HOURS PER DAY.



\*The pressure is expressed in millibars.





The equivalent values in mm. are given in round numbers. The exact relation is  $10\text{ in.} = 254\text{ mm.}$   $1\text{ mm.}$



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				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		in.	mm.										mm.	mm.		0.2 in. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	



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										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Means of		Difference from Average	Absolute Maximum and Minimum				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	B		Maximum	Date	Minimum	Date		in.	mm.									mm.	mm.		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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	B		Maximum	Date	Minimum	Date		Amount	Date		Daily Mean	Difference from Average																
				Max.	Min.																					1 ft.	4 ft.					
4. MID. COUNTIES—cont.																																
Nottingham cont.	Nottingham	999	192	47.6	36.3	41.9	-0.1	56	17	28	24,26	42.6	47.8	1.91	49	+1	10	29	15	12	-	-	-	-	14	12	-	1.38	-0.17	16		
	Sutton Bon'gton	999	157	47.2	34.1	40.7	-	57	17	25	1,21,22	43.4	-	2.09	53	+6	9	16	17	9	0	0	0	0	11	11	-	1.41	-	17		
	Workop	999	56	48.3	35.3	41.8	-0.3	57	17	26	22	43.6	49.0	2.45	62	+12	12	16	18	14	0	0	0	0	-	15	2	1.78	-	21		
Leicester.	Belvoir Castle	2121	9	259	47.1	35.6	41.3	-0.4	56	17,18	25	22	44.0	50.8	2.93	74	+17	17	12	16	11	-	-	-	-	11	-	1.90	-0.39	22		
Northampton	Oundle	999	147	47.7	34.0	40.9	-0.7	56	17	27	25	45.3	50.7	2.35	60	-	13	16	20	12	0	0	0	0	5	11	-	1.77	-0.31	20		
Warwick.	Birmingham	18-7	7	535	46.4	38.0	42.2	-0.7	56	17	28	24	44.7	49.5	2.91	74	+13	17	11	17	12	0	0	1	0	7	10	0	1.33	-0.42	15	
	Sparkhill	713	7	425	47.5	36.6	42.1	+0.1	56	17	28	21,22,24	-	-	2.66	67	+3	17	11	17	12	0	0	0	0	9	13	-	-	-	-	
	Coventry	999	241	47.9	34.2	41.1	-1.3	57	12,17	25	21	45.0	50.0	2.35	60	+2	16	16	20	11	0	0	0	0	8	13	-	1.45	-0.21	17		
	Rugby	2121	9	390	47.8	33.3	40.5	-	56	17	24	24,25	-	-	2.25	57	-	16	16	19	11	0	0	0	0	-	17	-	-	-	-	
	Stratford-on-Avon	999	210	48.4	34.4	41.4	-	57	17	22	21	-	-	1.63	41	-	9	8	18	10	0	0	0	0	8	-	-	1.46	-	17		
Oxford.	Oxford	999	208	48.3	35.9	42.1	-1.0	58	17	28	25,28	44.6	49.9	2.67	68	+10	15	8	17	12	0	0	1	0	10	11	1	1.63	-0.58	18		
Bucks.	Halton	999	544	47.0	35.9	41.5	-	56	17	26	25	44.4	49.7	3.46	88	-	16	11	17	15	0	0	1	0	6	18	-	1.55	-	18		
	Mursley	999	490	46.6	34.3	40.5	-	55	17	26	25	44.2	-	1.91	49	-11	9	8	15	11	-	-	-	-	-	-	-	1.56	-	18		
Stafford.	Mayfield	999	374	47.0	33.2	40.1	-0.2	55	17	23	22	-	-	3.70	94	+17	18	11	17	15	0	0	0	0	-	15	-	1.54	-0.39	18		
Shropshire.	Newport	999	211	46.9	35.3	41.1	-	57	17	25	21,22	-	-	2.62	67	+11	16	11	20	12	0	0	0	0	9	14	-	1.40	-	16		
	Shrewsbury	999	184	47.9	35.4	41.7	-1.6	58	17	24	28	45.6	50.5	2.96	75	-	16	11	20	13	0	0	0	0	7	14	0	1.27	-	15		
Worcester.	Malvern	999	380	47.1	38.8	42.9	-0.4	56	17	30	22,23,24	44.3	48.9	2.59	66	+2	18	8	18	11	0	0	0	0	5	8	-	1.54	-0.95	18		
	Worcester (Perdiswell)	999	94	48.5	34.9	41.7	-	58	17	24	28	-	-	2.10	53	-	16	11	19	11	0	0	0	0	-	13	-	1.31	-	15		
Hereford.	Bromyard	999	393	47.4	35.2	41.3	-0.2	57	17	23	28	44.3	49.5	3.12	79	-	19	8,11	21	14	0	0	1	0	11	14	-	-	-	-	-	
	Hereford	999	292	47.9	36.5	42.2	+0.2	59	17	25	21	-	-	3.12	79	-15	19	11	22	11	0	0	0	0	4	7	1	-	-	-	-	
	Ross-on-Wye	18-7	7	223	47.6	38.4	43.0	-0.2	57	17	23	28	45.3	50.0	2.46	62	-2	17	8	18	10	0	0	2	1	6	11	0	1.40	-0.81	16	
Gloucester.	Bristol (Horfield)	18-7	7	206	48.0	38.5	43.3	-	55	2,17	28	28,29	46.7	50.8	3.95	100	-	31	8	19	17	0	0	2	2	3	9	2	-	-	-	-
	Cheltenham	2121	9	214	47.4	36.1	41.7	-1.8	55	17	27	21,24	44.6	50.5	2.34	59	-3	17	8	18	14	0	0	2	0	6	16	0	1.09	-1.08	12	
	Cirencester	999	443	47.2	34.5	40.9	-0.6	54	17	27	24,29	-	-	3.01	77	-	21	8	17	15	0	0	2	0	6	15	-	1.47	-	17		
	Parkend	999	325	47.6	35.8	41.7	-	56	17	27	28	45.0	49.3	3.32	84	-	23	7	19	11	0	0	1	1	11	13	-	1.48	-	17		
5. ENGLAND, S.E.																																
London.	City, Bunhill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Row	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Camden Square	999	110	48.7	39.0	43.9	+0.2	56	17	32	23,25,29	46.4	50.8	3.07	78	+18	21	11	18	12	0	0	0	0	-	9	-	-	-	-	-	
	East Ham	999	15	49.2	38.8	44.0	+0.6	56	17	32	23,24,25	-	-	2.98	76	+21	19	11	16	14	-	-	-	-	-	-	-	-	-	-	-	
	Enfield	999	148	48.1	36.6	42.3	-0.2	56	17	30	22,29	-	49.0	3.14	80	+18	21	11	17	12	0	0	2	0	7	8	-	1.47	-	17		
	Greenwich	2424	9	149	48.6	38.7	43.7	+0.5	56	17	32	11,25,29	47.7	50.8	3.02	77	+19	20	11	18	13	0	0	0	0	10	13	0	0.78	-0.88	9	
		21-9	-	-	48.4	40.0	44.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hampstead	999	450	47.1	36.4	41.7	-0.5	54	17	28	25	-	-	3.02	77	-	21	11	18	13	0	0	0	0	-	18	-	1.50	-0.35	17		
	Kensington	18-9	9	80	48.3	40.7	44.5	+0.4	56	17	32	25,29	46.8	50.7	3.12	79	+19	21	11	18	13	0	0	0	0	9	11	0	1.01	-	11	
	Kingsway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Regent's Park	999	129	49.2	39.2	44.2	-	56	17	31	25,29	-	-	3.07	78	-	21	11	18	12	0	0	0	0	11	3	-	0.92	-0.31	9		
	Kew	2424	24	48.4	39.0	43.7	+0.2	56	17	32	25	45.5	50.5	2.79	71	+15	14	12	17	12	0	0	0	0	4	9	0	1.36	-0.42	15		
	Observatory	18-7	-	-	48.1	40.2	44.1	+0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham	2121	9	51	48.8	40.5	44.7	+0.6	56	17	32	23,25	-	52.6	3.11	79	+21	21	11	18	12	0	0	0	0	-	0	-	1.20	-0.38	14	
Westminster	999	27	49.6	39.7	44.7	0.0	56	17	32	29	-	-	2.89	73	+19	19	11	16	14	0	0	0	0	-	3	-	0.89	-0.25	10			
Surrey.	Addington	999	472	46.9	38.2	42.5	0.0	55	17	31	23,25	-	-	4.85	123	-	29	11	18	17	0	0	0	0	9	-	-	-	-	-	-	
	Croydon	18-7	7	217	48.0	40.3	44.1	+0.3	56	17	32	25,27	-	-	3.97	101	+32	20	11	17	14	0	0	0	0	6	3	0	1.11	-0.81	12	
	Wiseley	999	150	48.5	37.7	43.1	+0.2	57	17	29	29	46.5	50.3	3.15	80	-	22	11	18	13	0	0	0	0	6	15	1	1.30	-0.68	158		
Kent.	Biggin Hill	18-7	7	567	46.2	39.6	42.9	+0.8	54	12,17	31	23,25,27	-	-	4.47	113	+26	21	11	17	14	0	0	0	0	7	8	0	1.33	-0.75	15	
	Bromley	999	213	48.6	38.4	43.5	-	56	17	31	22	-	-	3.54	90	+27	23	11	15	13	0	0	0	0	8	11	-	-	-	-	-	
	Canterbury	999	135	48.4	38.7	43.5	-0.2	57	17	27	22	47.3	49.7	4.28	109	-	19	11	16	13	-	-	-	-	-	8	-	-	-	-	-	
	Dover	999	22	49.9	41.4	45.7	+0.6	57	16	30	23	47.4	51.7	4.68	119	-	19	8	16	15	0	0	2	2	2	1	3	1.23	-1.40	14		



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				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	Amount								Date	0.2 mm. or more		1 mm. or more	Snow	Thunder	Fog	Frost	Gale	Daily Mean	Difference from Average
5. ENGLAND, S.E.—cont.																																		
Hampshire.	Bournemouth	9 9 9	139	49.0	37.9	43.5	-1.5	56	9,11,17	28	25,29	47.8	50.6	3.34	85	-1	25	11	16	15	-	-	-	-	-	-	-	1.76	-1.01	20				
	Calshot	18-7 7	8	49.1	41.1	45.1	-0.4	57	9	28	29	-	-	4.36	111	+44	29	11	17	15	0	0	1	2	4	2	1	1.70	-0.91	19				
	Leckford	9 9 9	385	47.6	33.5	40.5	-	55	4,17	21	23	44.4	-	3.24	82	-	24	12	19	14	0	0	0	0	4	2	-	2.33	-	26				
	Long Sutton	9 9 9	479	45.9	36.3	41.1	-	55	4,5,17	28	25	44.7	-	3.16	80	-	30	11	16	14	0	0	0	0	6	11	-	1.58	-	18				
	Southamp'n	2121 9	64	49.2	39.1	44.1	-0.4	56	11	29	29	-	-	3.79	96	+16	35	11	14	13	0	0	0	1	7	7	1	2.08	-0.31	23				
	S. Farnboro'	18 7 7	237	48.4	38.7	43.5	+1.0	57	4	29	1,27	-	-	3.13	79	+12	23	11	15	12	0	0	0	0	7	11	0	1.91	-0.34	22				
I. of Wight.																																		
L. of Wight.	Newport	9 9 9	48	49.6	38.1	43.9	-	56	9,11	28	25	-	-	6.51	165	-	47	11	17	14	0	0	4	2	4	8	-	-	-	-				
	Ryde	9 9 9	13	49.6	40.4	45.0	-0.7	56	9	31	23	-	-	6.36	161	-	55	11	16	14	0	0	2	1	1	-	3	1.74	-0.75	19				
	Sandown	9 9 9	13	50.5	40.8	45.7	-0.2	57	11	32	23,25,29	-	-	5.52	140	-	40	11	17	16	0	0	1	1	0	-	-	1.70	-0.94	19				
	Totland Bay	9 9 9	140	49.3	41.2	45.3	-0.4	56	4	32	25,26,29	-	-	4.30	109	+29	31	11	17	13	0	0	2	2	3	4	3	1.70	-1.02	19				
	Ventnor(Hospital)	9 9 9	59	50.3	41.7	46.0	-1.0	56	9,11	31	23,24	-	-	5.26	134	+52	35	11	18	15	0	0	4	1	-	-	0	1.88	-0.89	21				
Wilts.																																		
Wilts.	Amesbury (Boscombe Down)	18-7 7	417	47.2	37.0	42.1	-	56	17	24	29	-	-	2.33	59	-	16	11	16	13	0	0	0	0	7	14	0	1.90	-	21				
	Larkhill	9 9 9	440	47.4	35.2	41.3	-0.8	57	17	23	29	-	-	2.50	63	-1	19	11	17	14	0	0	0	0	5	15	2	-	-	-				
	Marlboro'	9 9 9	424	47.4	34.4	40.9	-0.6	56	17	25	24,25	45.0	49.8	3.81	97	+18	19	7	18	13	0	0	0	0	7	17	3	1.64	-0.26	18				
	Porton	9 9 9	363	47.8	34.6	41.2	-0.5	57	17	24	29	44.7	-	2.79	71	+4	18	11	18	12	0	0	0	0	3	14	1	1.93	-	22				
7a. ENGLAND, N.W.																																		
Cumberland.	Keswick	9 9 9	254	47.5	37.1	42.3	-0.2	54	2,29	25	22,23,24	43.1	50.0	6.37	162	+18	20	7	20	18	0	0	2	1	2	10	0	1.46	-0.22	17				
	Newton Rigg	2121 9	560	45.4	34.6	40.0	-0.3	53	3	23	24	-	-	3.77	96	+7	14	7	19	17	0	0	0	0	4	19	0	1.66	-0.29	20				
Westmorland.	Ambleside	9 9 9	145	47.2	35.7	41.5	-	54	29	24	22,23	-	-	8.02	203	-	22	4	19	18	0	0	1	0	2	-	-	1.61	-	19				
	Appleby	9 9 9	440	46.0	34.3	40.1	+0.5	53	29	21	23	-	-	4.26	108	+24	13	1,7	17	17	0	0	0	0	-	-	-	-	-	-				
Lancashire.	Bolton	9 9 9	342	47.6	36.5	42.1	0.0	53	3,4	27	23,24	-	47.7	6.62	168	+64	30	9	19	17	1	0	3	1	-	9	-	1.14	+0.10	138				
	Burnley	9 9 9	458	45.9	36.0	40.9	0.0	53	4,5	21	23	42.9	48.1	5.12	130	-	21	16	17	16	0	0	1	1	10	11	-	0.72	-0.52	88				
	Darwen	2121 9	724	45.9	36.7	41.3	+0.5	51	3,4,17	24	23	42.6	46.8	7.33	186	+61	44	10	20	17	3	0	3	1	9	10	-	1.54	+0.09	188				
	Hutton	9 9 9	82	47.6	36.5	42.1	+0.1	55	4	26	22	44.1	49.6	5.11	130	-	28	10	16	15	0	0	1	0	8	12	0	1.45	-0.13	17				
	Lancaster	9 9 9	312	47.6	37.8	42.7	-0.2	56	3	24	24	43.0	46.7	5.07	129	+28	22	7	19	18	0	0	1	0	9	7	0	1.88	-0.22	22				
	Leyland	9 9 9	125	47.3	36.2	41.7	-0.3	54	1	25	22	-	-	5.37	136	+49	31	10	17	15	0	0	0	0	8	11	-	1.59	-0.19	19				
	Manchester (Barton)	18-7 7	70	47.0	36.8	41.9	-	55	1,4	23	22	-	-	3.55	90	-	16	16	19	14	0	0	1	0	11	10	0	1.23	-	14				
	(Oldham Road)	2121 9	191	46.9	39.3	43.1	-0.6	55	4	28	23	43.6	49.8	4.52	115	+40	18	16	17	14	0	-	0	0	-	6	-	0.50	-0.13	68				
	(Whitworth Pk.)	2121 9	125	47.4	37.8	42.6	-0.5	56	4	26	22	-	-	3.67	93	+26	16	16	17	14	-	-	-	-	13	(8)	-	0.80	-0.11	9				
	Southport (Bedford Rd.Pk.)	9 9 9	35	48.1	37.8	42.9	-0.1	55	4	25	21	43.7	48.6	4.45	113	+33	25	16	19	15	0	0	2	0	8	9	2	1.86	-0.05	22				
Stonyhurst	9 9 9	377	46.3	36.6	41.5	-0.4	52	4	20	23	-	-	5.72	145	+30	24	16	19	17	0	0	2	1	3	11	0	1.81	+0.11	21					
Cheshire.	Bidston Obs'y	9 9 9	198	47.4	39.0	43.2	-0.5	54	4,15	29	24	-	-	2.76	70	+6	12	16	17	15	1	0	1	0	8	3	1	1.76	-0.34	20				
	Hoylake	9 9 9	23	48.6	38.2	43.4	-0.8	55	4,15	28	21	-	-	2.56	65	-5	11	16	19	15	1	0	0	0	-	9	-	1.64	-0.38	19				
	Macclesfield	9 9 9	500	46.5	35.1	40.8	-0.2	53	17	25	23,25	-	-	3.80	97	+22	20	16	18	15	0	0	0	0	7	-	-	-	-	-				
	West Kirby	9 9 9	25	47.6	38.6	43.1	-	55	4	28	20,21	-	-	2.49	63	-5	11	16	18	15	0	0	3	0	3	9	-	2.01	-	23				
7b. NORTH WALES.																																		
Flint.	Hawarden B'dge	9 9 9	17	48.9	37.6	43.3	-0.8	58	4	24	28	-	-	2.47	63	-	10	8	18	16	0	0	1	0	10	-	-	-	-	-				
	Rhyl	9 9 9	31	50.1	38.5	44.3	-0.6	56	4,17	27	23	-	-	2.56	65	+2	13	7	18	14	0	0	1	0	0	8	1	1.87	-0.32	21				
	Sealand	18-7 7	16	48.0	37.4	42.7	0.0	58	4,17	25	21,28	46.7	50.7	2.46	62	+1	10	11	19	15	0	0	1	0	9	11	1	1.57	-0.34	18				
Anglesey.	Holyhead	9 9 9	26	50.6	44.5	47.5	+0.8	55	2	34	23	-	-	3.44	87	-18	14	11	20	16	0	0	2	0	0	4	3	2.41	+0.31	28				
Denbigh.	Colwyn Bay	9 9 9	118	50.5	40.8	45.7	0.0	57	4,16	30	23	-	-	3.52	89	+8	12	7	19	15	0	0	0	0	1	-	-	1.91	-0.19	22				
Carnarvon.	Aber	9 9 9	60	50.5	41.0	45.7	-	56	2	31	23,24	-	-	5.15	131	-	22	8	21	17	0	0	2	0	-	11	1	1.28	-	158				
	Llandudno	9 9 9	13	50.9	41.0	45.9	-0.2	56	2,4	31	23	-	-	3.00	76	+3	14	7	20	16	0	0	1	0	1	7	0	1.78	-0.29	21				
Montgomery.	Welshpool	9 9 9	254	48.1	36.4	42.3	+0.2	58	17	25	21,22	-	-	3.09	78	+4	14	11	20	13	0	0	0	1	8	-	-	-	-	-				
8a. SOUTH WALES.																																		
Cardigan.	Aberystwyth	9 9 9	12	49.6	41.2	45.4	-0.5	55	2	31	22	-	-	4.28	109	-	13	8	21	17	0	0	4	0	1	-	-	2.17	-0.13	26				
	P.B.S.†	9 9 9	452	48.6	39.7	44.1	-	53	2,4,17	30	23	-	-	5.18	132	-	17	6	22	16	1	0	0	0	3	10	0	2.24	-	26				
	Ciliau Aeron	9 9 9	252	50.6	37.4	44.0	-	56	2,17	24	21	-	-	4.69	119	-	20	6	23	16	0	0	1	0	1	-	0	2.18	-	25				
Pembroke.	Haverfordwest	2121 9	233	50.7	39.3	45.0	-	56	4,11,12	29	21	-	-	4.24	108	-	14	16	23	19	0	0	3	0	4	-	-	2.32	-	26				
	St. Ann's Hd.	18-7 7	142	51.1	44.5	47.8	+0.5	56	2	35	21	-	-	4.55	116	+19	21	6	19	15	0	0	0	0	1	-	12	2.22	-0.02	25				
Radnor.	Llandrindod Wells	9 9 9	772	47.2	36.1	41.7	-	56	2,17	26	21	-	-	3.76	95	-	20	4	17	14	0	0	0	0	2	-	-	1.30	-	15				
	Rhayader	9 9 9	757	46.8	35.1	40.9	+0.2	55	2	24	21,29	-	-	5.46	139	+8	25	11	22	14	0	0	0	1	4	15	0	1.26	-0.53	14				
Brecknock.	Cantref	9 9 9	1080	44.3	35.5	39.9	-	52	17	24	23																							



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				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		1 ft.	4 ft.		in.	mm.								mm.	mm.		0-2 mm. or more	1 mm. or more	Snow	Thunder	Daily Mean
		Max. Min. Rain	ft.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	in.	mm.	mm.	mm.									hr.	hr.	%					
8b. ENGLAND, S.W.—cont.		G.M.T.	ft.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	in.	mm.	mm.	mm.																
Dorset.	Holton Heath ..	9 9 9	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	1	-	1	-	-	-	
Devon.	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	0	-	-	-	-	
	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	-	6	-	-	-	-	
	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	+0·1	60	17	26	29	-	-	3·03	77	-	13	11	19	14	-	-	-	-	2	11	-	-	-	-	
	Moretonhamstead	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	-0·1	56	2	32	29	-	-	2·94	75	-	20	11	17	14	0	0	1	0	1	3	6	1·90	-0·65	21	
Cornwall.	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	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	1	3	-	2·23	-	25	
	Tavistock ..	9 9 9	457	50·0	39·0	44·5	+0·2	55	2,16,17	29	23	-	49·8	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	0	-	-	1·93	-0·65	22	
	Torquay ..	9 9 9	27	51·6	40·7	46·1	-1·2	58	17	31	29	-	51·8	3·40	86	-	24	11	17	13	0	0	2	1	0	3	0	1·94	-0·74	22	
	Truroth 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	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	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	-	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	-	5	-	-	-	
	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	2·07	-0·47	23	
Redruth ..	9 9 9	397	50·4	41·4	45·9	+0·1	55	1,2,17	33	27	-	-	5·33	135	+11	23	6	18	18	0	0	2	-	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	1·68	-0·13	20	
	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	-	-	
Mayo.	Mallaranny ¶	9 9 9	113	51·0	41·0	46·0	+0·7	58	2	31	21	-	-	7·01	178	-	27	7	26	22	0	-	-	0	-	-	-	1·76	-0·03	21	
	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	218	
Donegal.	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
Antrim.	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	0	-	-	2	-	-	-	-	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	-	-	-	
"	Glasevin ..	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	-1·1	56	16,17	27	21,22	45·4	49·4	2·41	61	-	5	23	11	18	11	0	0	0	0	-	7	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	-	-	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	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	-	-	2·97	75	-19	25	11	18	13	0	0	0	0	8	-	1	-	-	-	
Limerick.	Foynes ..	9 9 9	43	50·0	41·0	44·5	-0·4	58	16	(28)	(20)	-	-	5·18	132	+28	19	10	21	18	-	-	-	-	-	-	-	-	-		
Kerry.	Valentia Obs. ¶§	242424	30	51·6	43·5	47·5	+0·6	57	1,2	32	21,27	48·4	52·3	5·44	138	-	1	29	11	23	17	0	0	4	0	0	5	4	1·75	-0·37	208
	18-7 -	-	-	51·9	42·9	47·4	+0·1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cork.	Ballinacurra ¶	9 9 9	24	51·7	38·2	44·9	0·0	57	1	28	20	-	-	2·94	75	-27	16	10	19	12	0	0	0	0	-	-	-	2·14	-0·03	24	
	Cork ..	9 9 9	57	51·3	37·8	44·5	-	57	1	27	20	-	-	3·46	88	-14	22	11	18	14	0	0	0	0	11	15	-	1·96	-	22	
	Roche's Pt. ¶	18-7 7	22	51·6	43·3	47·5	+0·5	57	1	36	20	-	-	2·97	75	-32	19	11	20	15	0	0	1	0	-	2	-	-	-	-	
11. CHANNEL ISLES AND SCILLY.																															
Selly.	St. Mary's ¶§	18-7 7	163	52·2	46·9	49·5	+0·4	57	2,4	42	8,21,26	-	-	3·72	95	+12	24	6	22	17	0	0	4	0	1	-	3	1·99	-0·58	22	
	Guernsey. St. Peter Port ¶§	18-7 7	175	51·1	45·3	48·2																									

† Sunshine recorder is at Mount Stewart.

TABLE III (c).—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		
		Cal./cm. <sup>2</sup> /diem.
Max. (on 8 )..	..	303
Mean ..	..	47

\*\* See Meteorological Magazine, May, 1920, p. 70.



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.	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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0. SCOTLAND, N.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Shetlands.	Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



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												
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
	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	2	24	4	2	2	1	1	8	6	4	2	
Yorks., Catterick ..	H	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	6	20	4	3	2	0	3	5	5	4	4	
Yorks., N. Riding	H	18	186	1010.1	-	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	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	3	27	0	2	1	0	5	3	7	5	7	
Yorks., N. Riding.	H	9	53	1011.7	-	40.4	1.1	7.8	90	6.6	1	8	3	8	10	-	-	-	-	-	-	-	-	-	-	1	28	1	7	1	0	0	10	5	3	3	
	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.	H	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	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	1	2	8	14	1	0	1	17	11	1	2	1	2	1	5	6	6	6	
Spurn Head	H	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	18	11	1	3	2	1	2	10	4	5	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	17	12	1	1	2	2	3	4	4	7	6	
Lincoln. Cranwell ..	H	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	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	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	13	13	4	3	2	2	1	4	7	5	2	
3. ENGLAND, E.																																					
Norfolk. Cromer ..	H	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	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	11	18	1	1	4	0	2	7	8	6	1	
Norfolk. Yarmouth..	H	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.	H	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk. Mildenhall	H	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	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	H	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 ..	H	9	396	1012.7	-	40.7	0.9	8.1	92	5.2	7	7	1	9	6	1	4	1	2	9	12	0	0	0	0	5	19	6	3	2	0	3	5	4	3	4	
Essex. Shoeburyness	H	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	0	5	5	8	8	4	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	8	18	4	3	1	1	2	2	8	4	5	
4. MIDLAND COUNTIES.																																					
Yorks., W. Riding. Harrogate ..	H	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
	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	
Nottingham. Nottingham	H	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	
Warwick. Birmingham	H	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 ..	H	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	H	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	H	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	3	
	18	226	1012.0	-	43.9	1.7	8.6	87	7.2	2	7	0	4	17	1	3	1	2	2	7	5	5	4	0	0	4	25	1	3	3	2	1	2	12	4	2	
	21	226	1012.3	-	42.2	1.4	8.1	88	6.3	6	4	2	7	11	0	4	6	1	1	1	9	2	6	0	0	6	22	2	5	2	3	0	4	10	4	0	
Gloucester. Cheltenham</																																					



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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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5. ENGLAND, S.E.—cont.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Kent.	Biggin Hill	H	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					



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
8a. SOUTH WALES—cont.																																					
Radnor.	Llandrindod Wells	9	725	1012.4	-	43.2	1.7	8.1	85	8.6	0	2	3	8	17	0	0	2	0	2	2	12	10	2	0	0	9	21	0	4	0	6	3	3	4	8	2
	Rhayader ..	9	—	—	-	40.7	1.3	7.6	88	7.9	1	3	3	8	15	0	0	2	2	2	5	8	5	5	1	0	6	24	0	4	3	0	2	2	9	2	8
Glamorgan.	Cardiff ..	9	216	1014.0	-	43.8	1.4	8.6	89	7.9	0	5	3	5	17	0	2	1	0	1	9	10	6	1	0	0	5	25	0	1	9	0	0	2	10	6	2
		21	216	1013.4	-	43.3	1.4	8.4	88	5.5	12	1	1	1	15	0	1	0	0	0	2	21	0	6	0	0	5	25	0	0	6	3	0	0	10	8	3
8b. ENGLAND, S.W.																																					
Somerset.	Bath ..	9	113	1013.2	-	43.4	1.5	8.3	87	7.6	3	4	0	5	18	1	0	3	1	6	9	7	3	0	0	0	1	26	3	2	4	5	2	0	7	6	1
		9	58	1013.9	-	43.9	1.6	8.8	87	7.6	2	4	2	7	15	0	0	0	2	6	3	14	2	3	0	0	13	15	2	3	5	4	0	1	2	8	5
Dorset.	Holton Heath H	15	58	1012.8	-	47.1	2.6	9.0	79	7.9	1	5	1	6	17	0	0	1	1	3	6	14	4	1	0	0	12	16	2	3	5	4	0	1	1	9	4
		1	37	1012.6	-	47.2	1.9	9.4	85	7.2	3	3	4	4	16	0	0	0	0	2	0	10	9	9	0	0	19	10	0	5	6	4	0	0	3	9	3
		7	37	1012.9	-0.5	46.9	1.9	9.3	89	8.6	0	1	3	10	16	0	0	0	1	1	0	8	13	7	0	0	16	14	0	5	6	4	0	1	3	8	3
Dorset.	Portland Bill ..	13	37	1012.5	-	49.1	2.0	10.1	85	8.4	1	0	2	13	14	0	0	0	0	2	0	4	19	5	0	0	21	9	0	2	7	3	0	1	4	9	4
		18	37	1012.4	-	48.5	1.9	10.0	86	7.9	1	0	7	9	13	0	0	0	0	3	0	5	16	6	0	0	20	10	0	3	4	5	0	0	2	12	4
Devon.	Moretonhampstead	9	801	1013.6	-	42.8	1.2	8.5	90	7.8	1	3	3	13	10	0	2	0	0	2	3	4	6	13	0	0	12	14	4	3	2	2	2	1	5	5	6
		15	801	1012.5	-	45.4	2.2	8.7	83	7.6	0	4	5	11	10	0	0	1	0	0	3	7	7	12	0	0	13	16	1	5	2	3	1	1	4	8	5
		7	27	1013.3	-	45.8	1.6	9.3	88	7.5	1	4	4	8	13	0	0	0	1	0	4	2	10	12	1	0	10	18	2	6	5	1	2	4	5	3	
Devon.	Plymouth H	13	27	1013.1	-	50.0	2.8	10.0	80	7.4	1	4	4	10	11	0	0	0	0	1	4	7	5	13	0	0	11	18	1	4	2	6	0	2	5	7	3
	(Mount Batten) ..	18	27	1013.3	-	48.4	2.2	9.5	83	6.8	2	3	8	9	8	0	0	0	0	1	5	13	11	0	0	0	10	19	1	6	1	4	0	0	7	7	4
		1	240	1013.7	-	48.0	1.9	9.8	86	8.1	1	2	3	11	13	0	0	0	1	1	0	0	12	16	0	2	19	9	0	5	1	0	3	6	5	5	
Cornwall.	The Lizard ..	7	240	1013.3	-	47.9	1.9	9.7	86	8.5	0	2	5	6	17	0	0	0	0	0	0	1	14	15	0	0	23	7	0	3	4	2	2	1	7	6	5
		13	240	1013.3	-	50.9	2.2	10.7	85	8.0	0	3	5	10	12	0	0	0	0	2	3	8	17	0	2	19	9	0	4	4	3	0	0	9	8	2	
		18	240	1013.7	-	48.4	1.9	9.9	86	7.8	0	3	5	10	12	0	0	0	1	0	0	3	8	18	0	2	20	8	0	3	6	1	1	1	7	7	4
Cornwall.	Newquay ..	9	161	1013.4	-	47.7	1.6	9.9	88	7.1	1	4	5	9	11	0	0	1	0	2	2	5	12	5	3	0	10	20	0	2	4	5	3	3	3	3	7
9. IRELAND, N.																																					
Sligo.	Markree Castle ..	9	127	1011.3	-	41.6	0.8	8.3	93	7.9	1	1	7	7	14	1	0	0	0	1	9	9	10	0	0	0	6	14	10	3	0	0	2	4	1	6	4
		21	127	1010.2	-	42.5	0.9	8.5	93	7.5	3	1	3	12	11	0	2	0	0	0	1	7	9	11	0	0	2	22	6	1	0	1	2	7	2	6	5
		1	28	1010.4	-	47.1	1.2	9.9	91	7.2	0	6	7	5	12	0	0	0	0	0	3	15	12	0	0	0	15	9	5	0	0	1	4	5	4	8	3
Mayo.	Blacksod Point ..	7	28	1009.9	-	47.3	1.9	9.4	85	8.0	0	4	3	9	14	0	0	0	0	0	0	0	18	12	0	2	10	11	7	1	1	1	2	4	2	6	6
		13	28	1010.3	-	49.2	2.5	9.7	82	7.6	1	1	7	13	8	0	0	0	0	0	0	1	8	20	1	1	18	10	1	1	2	1	6	4	0	10	5
		18	28	1010.2	-	47.8	1.9	9.7	85	7.0	1	4	7	10	8	0	0	0	0	0	0	1	13	16	0	1	17	11	1	2	1	2	5	4	2	9	4
		1	87	1008.9	-	44.1	0.6	9.3	95	6.7	1	5	5	16	3	0	0	0	0	0	10	19	1	0	0	1	15	14	0	5	0	1	2	9	8	5	0
Donegal.	Malin Head ..	7	87	1008.1	-0.9	44.3	0.8	9.2	93	6.8	0	8	1	17	4	0	0	0	0	0	0	0	26	4	0	0	14	16	0	3	2	0	2	13	4	4	2
		13	87	1008.5	-	47.2	1.0	10.1	92	7.2	0	4	6	16	4	0	0	0	0	0	6	17	6	1	0	16	14	0	2	0	2	3	9	6	7	1	
		18	87	1008.5	-	45.3	0.8	9.6	93	6.7	1	5	6	12	6	0	0	0	0	0	6	23	1	0	0	15	14	0	3	0	2	1	14	2	4	4	
		7	245	1009.7	-	40.2	0.7	8.0	93	7.3	1	6	1	13	9	0	1	2	1	1	1	0	14	10	0	0	7	20	3	1	1	2	4	6	7	5	1
Antrim.	Aldergrove H	13	245	1009.7	-	45.1	2.0	8.7	85	8.2	0	4	1	12	13	0	2	1	1	0	1	6	6	12	1	0	13	13	4	3	1	1	8	6	6	0	
		18	245	1009.8	-	42.4	1.2	8.3	90	7.0	0	8	3	7	12	0	1	1	2	0	3	4	5	14	0	0	12	15	3	2	0	4	3	6	5	1	
Armagh.	Armagh .. H	9	209	1010.0	-1.7	40.1	1.2	7.7	89	6.2	7	2	2	10	9	0	1	3	1	3	0	2	13	7	0	0	7	19	4	5	2	0	2	3	11	3	0
		21	209	1009.8	-2.0	40.6	1.1	7.9	91	4.9	10	4	2	5	9	0	2	2	1	4	3	6	10	2	0	0	2	23	5	7	0	1	1	4	9	3	0
10. IRELAND, S.																																					
Dublin.	Glasnevin ..	9	56	1011.4	-	40.7	1.1	7.7	89	6.5	4	0	12	4	10	0	2	5	2	4	8	3	1	5	0	0	3	26	1	0	1	2	0	1	4	14	7
		21	56	1011.3	-	43.0	1.3	8.4	89	4.7	12	0	7	4	7	1	0	4	0	9	8	2	0	6	0	0	3	24	3	0	0	0	2	1	3	13	8
		7	193	1010.9	-1.4	39.4	0.5	7.8	95	6.6	6	1	3	9	11	0	0	1	0	0	0	0	18	21	0	0	2	26	2	1	1	0	3	7	8	6	2
Offaly.	Birr Castle ..	13	193	1011.0	-	45.7	1.7	9.0	86	8.2	0	3	3	12	12	0	0	0	1	0	0	0	10	19	0	0	2	28	0	4	2	0	3	6	4	7	4
		18	193	1010.7	-	43.6	0.9	8.9	92	6.2	1	10	3	7	9	0	0	3	0	0	0	0	6	21	0	0	0	29	1	3	1	0	5	6	5	6	3
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1012.3	-	43.1	0.8	8.8	93	6.9	3	2	8	6	11	0	1	0	0	1	0	5	4	9	10	0	13	14	3	2	0	0	2	4	5	9	5
		21	521	1012.2	-	42.7	0.6	8.8																													



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 " 2 "
6	" 2 " " 2½ "
7	" 2½ " " 3 "
8	" 3 " " 3½ "
9	" 3½ " " 4 "

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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**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 Ardgour (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, Gorseston and Shoburyness 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
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.]

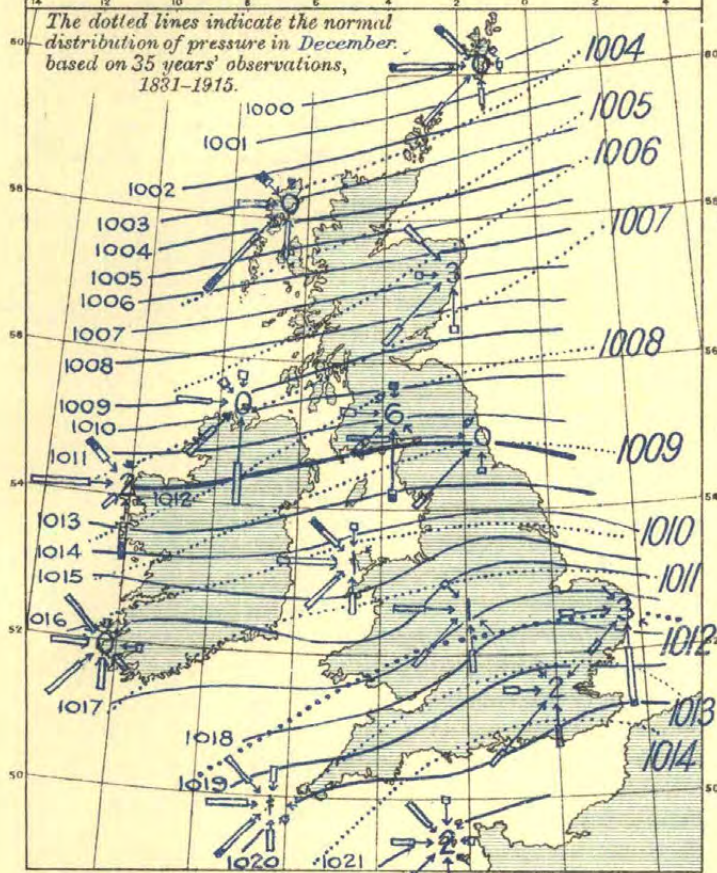
DISTRICT AND STATION	Height			Distribution of Wind ††										Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.	No Record	Highest Hourly Wind			Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.			Speed		Hour ended at	Speed		Time			
														mi/hr.	m/s.		mi/hr.	m/s.	d.	h.	m.	
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day hr.	mi/hr.	m/s.	d. <td>h.<td>m.</td></td>	h. <td>m.</td>	m.		
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, 23, 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6a. SCOTLAND, W.																						
Argyll. Tiree ..	75	50	42	1, 2-6, 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, 2-6, 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, 4-6, 13, 15, 19, 20	47	19	170	350	151	26	0	300	54	24	6 03	83	37	6	02	20		
Flint. 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	07	05		
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, 16, 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	192	14	0	—	43	19	5 21	62	28	15	23	40		
Kerry. Valentia Observatory	98	41	33	15	2	16	127	359	186	70	0	200	39	18	15 17	73	33	15	16	25		
Cork. Cork ..	132	71	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
11. SCILLY ISLES.																						
St. Mary's ..	230	65	57	13-18	24	22	282	284	109	45	0	200	44	20	15 23	65	29	15	23	20		

†† 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 1933 Annual Summary Wind Section).

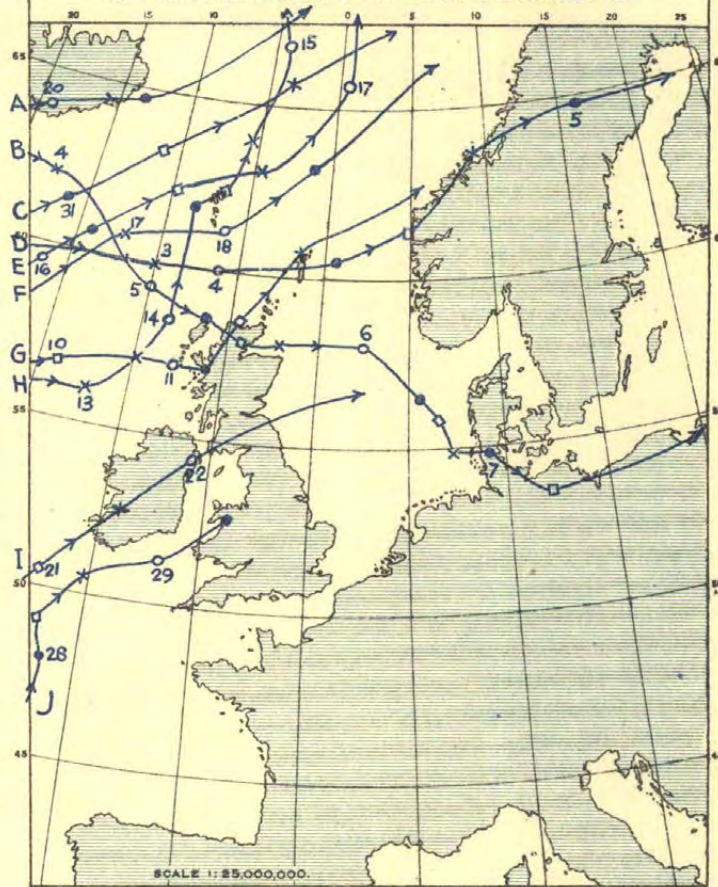


## 1. WIND AND MEAN PRESSURE. 7 A.M. \*



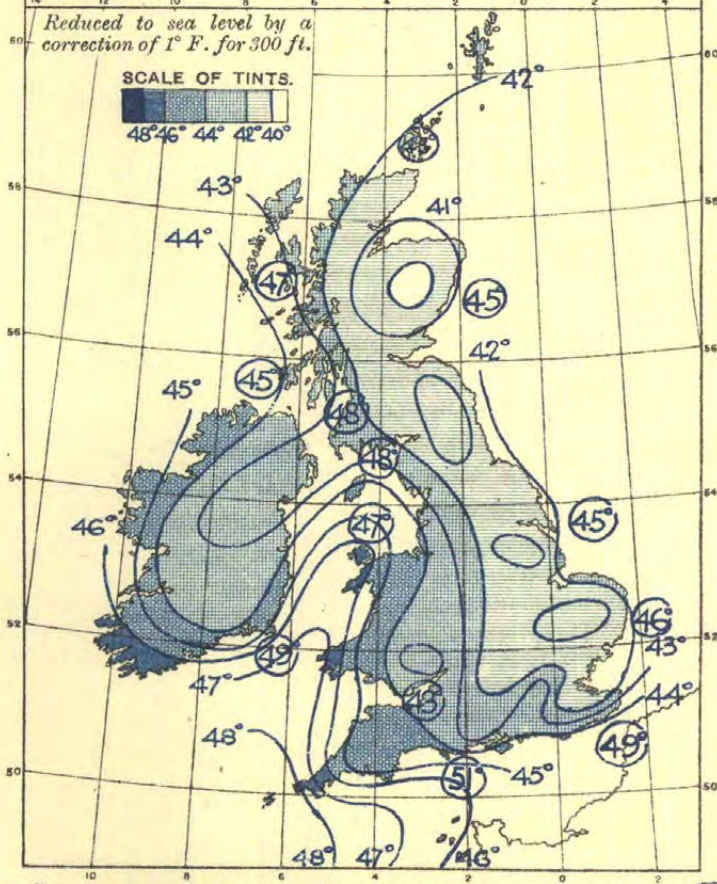
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:   
 LIGHT TO STRONG GALE   
 10-30 Obs. = 1 inch

## 2. MOVEMENTS OF DEPRESSIONS.



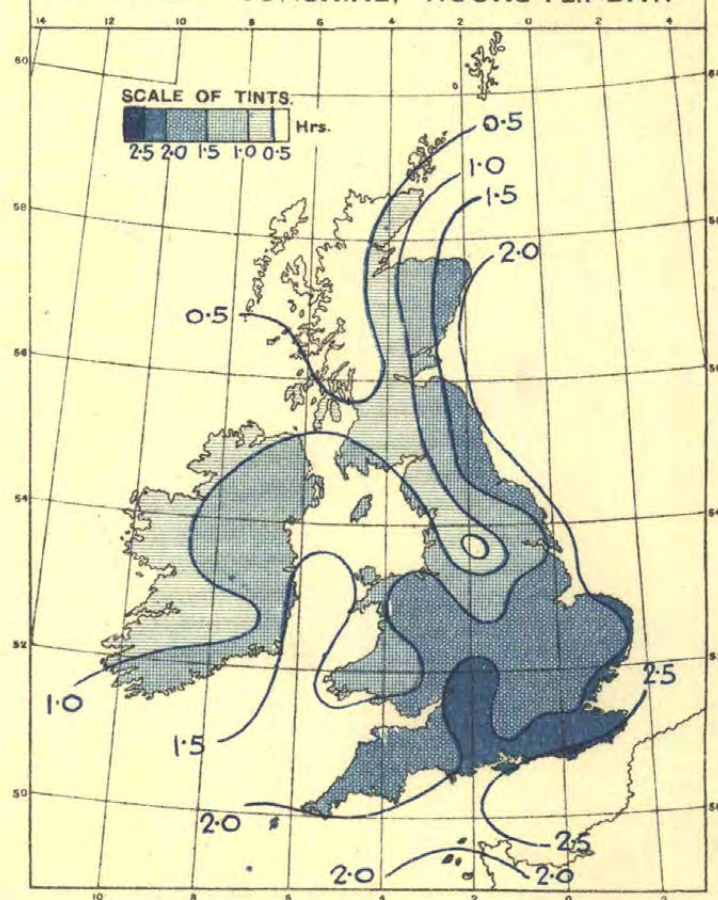
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.

## 3. DISTRIBUTION OF MEAN TEMPERATURE.



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

## 4. BRIGHT SUNSHINE, HOURS PER DAY.



\* The pressure is expressed in millibars.



DECEMBER, 1936.  
RAINFALL

SCALE OF TINTS.

500 250 200 150 100 75 50 25 mm

20 10 8 6 4 3 2 1 in

Scale 1 : 5,000,000.

Ps. 485/3214 We. 22A. D. IT. Gp. 908 925 1/37

The equivalent values in mm are given in round numbers. The exact relation is  $10\text{ in} = 254\text{ mm}$ . 1 mm



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										BRIGHT SUNSHINE				
				Means of		Difference from Average		Absolute Maximum and Minimum						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	Difference from Average	Maximum	Date	Minimum	Date	in.	mm.	mm.	mm.		Date	0.5 mm. or more								1 mm. or more	Snow		Thunderstorm	Daily Mean	Difference from Average	
				Max.	Min.	Mean	Difference	Max.	Date	Min.	Date	1 ft.	4 ft.	Date	0.5 mm. or more	1 mm. or more	Snow	Thunderstorm	Daily Mean	Difference from Average												
0. SCOTLAND, N.																																
Shetland.	Baltasound	9 9 9	31	45.1	36.6	40.9	+2.0	51	19	26	7	41.1	-	5.58	142	+7	21	3	30	26	6	0	10	1	0	0	13	0.21	-0.15	4		
	Lerwick	18-7 7	156	45.5	38.3	41.9	+2.4	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	11	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	0							
	Stornoway (C.G.)	18-7 7	80	45.5	39.4	42.5	+2.4	52	19	30	6,7	-	-	7.76	197		30	10	29	25	7	0	12	1	0	15	0.39	-0.31	6			
Skye.	Stornoway	9 9 9	30	-	-	-	-	-	-	-	-	-	-	8.63	219	+60	30	30	29	26	-	-	-	-	-	-	-	-	-	-		
	Duntulm	9 9 9	294	46.1	38.7	42.4		50	17,19,30	29	7	-	-	6.93	176		21	19	27	26	6	0	15	1	1	6	12	0.27	-	4		
Caithness.	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	-	-	-	-		
	Achnashellach	9 9 9	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cromarty.	Fortrose	9 9 9	69	45.2	35.6	40.4	+2.1	52	24	25	7	-	-	3.47	88		16	18	22	18	5	3	0	0	0	1	0.80	-0.30	12			
	Inverness.	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	16	7	0.25	-	43		
Ross & Cromarty.	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.	Inverness	9 9 9	242	44.6	36.9	40.7	+2.7	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	+2.8	55	30	25	6,7,8	-	-	2.59	66	+10	16	18	19	14	5	1	0	0	0	0	1	4.2	+0.27	22		
	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			
Moray.	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	0		1.55	+0.41	248			
	Banff	9 9 9	130	44.5	35.5	40.0	+2.3	54	20	29	5,6,7	-	-	1.74	44	-22	8	11	14	12	3	1	4	0	0	8	1.58	+0.58	24			
Aberdeen.	Aberdeen	242424	79	45.4	36.3	40.9	+1.5	54	24	27	7	38.4	41.4	1.98	50	-32	8	13	18	14	6	3	0	0	0	11	3	1.65	+0.47	25		
	Balmoral	9 9 9	927	42.7	30.4	36.5	+2.2	52	30	16	7	-	-	3.59	91	+5	28	13	20	14	11	6	0	0	0	22	0	-	-	-		
Angus.	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		
	Craibstone	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	0	11	2	1.10	-	31		
Kincaidine.	Logie Coldstone	9 9 9	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Balmakewan	9 9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Stonehaven.	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		
Carnoustie.	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	-		1.45	+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	0	20	8	1.79	+0.30	26		
Kettins.	Kettins	9 9 9	218	44.4	32.5	38.5	+2.2	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			
Perth.	Crieff	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	0		7	-	-	-		
	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	0	-	1.30	+0.14	19			
Fife.	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		
Inchkeith.	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	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	-	-	-	-	-	-		
Leuchars.	Leuchars	18-7 7	35	44.0	36.0	40.0	+2.0	54	17	25	7,13	-	-	1.57	40	-23	9	18	16	12	1	0	0	0	13	0	1.69	+0.26	25			
	St. Andrews	9 9 9	13	45.4	35.2	40.3	+2.8	54	17	24	7	40.0	43.2	1.56	39	-27	8	21	15	10	0	0	0	0	0	8		1.77	+0.47	26		
Mid Lothian.	Edinburgh—																															
	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.	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		
	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.	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	-	-	-	-	-	-	-	-	-	-		
	Dunbar	9 9 9	75	47.0	35.8	41.4		55	17	26	7	-	-	1.80	46		13	13	15	11	2											



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				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		Maximum	Date	Minimum	Date		Amount	Date										0.2 mm. or more	1 mm. or more		Thunder	Fog	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
6b. ISLE OF MAN.		G.M.T.	ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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										Snow	Thunder		Fog	Frost	Gale	Daily Mean	Difference from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
4. MID. COUNTIES—cont.		G.M.T.	ft.	°F.	°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.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.



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				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		Amount	Date													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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.



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			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	Amount									Date	Daily Mean		Difference from Average							
				Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	in.	mm.	mm.	mm.	0.2 mm. or more	1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr.	hr.	%	
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	-	-	-	-	-		
	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	-	-	-	-	-	-		
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	-	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	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	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		
	(Mount Batten)																															
	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	-	-	-	-	-	-	
	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.																																
Silgo.	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	-	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	-	-	-	-	
	Mallarranny	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	1.07	-	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	-	
	(Peamount 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	55	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	48.9	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	1.07	-0.16	148	-	
		18-7 -	-	49.8</																												



TABLE IV.—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 Vis.	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
0. SCOTLAND, N.																																						
Shetlands.	Lerwick ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
		1	160	1000.1	-	42.3	1.6	7.8	86	7.9	0	1	8	10	12	0	0	0	0	0	0	9	7	15	0	9	20	2	0	1	1	0	0	5	10	7	7	
		7	160	1000.1	-3.5	42.3	1.7	7.7	85	8.0	0	0	6	16	9	0	0	0	0	0	0	8	8	15	0	10	18	3	0	1	1	1	0	3	12	8	5	
		13	160	1001.8	-	42.0	1.9	7.6	83	8.5	0	0	4	17	10	0	0	0	0	0	0	5	11	15	0	8	19	3	1	1	1	0	3	12	8	4		
Orkneys.	Deerness ..	18	160	1001.5	-	41.9	1.6	7.8	86	8.0	0	0	8	11	12	0	0	0	0	0	0	7	12	12	0	9	21	1	0	0	1	1	0	7	12	6	4	
		9	165	1004.1	-	40.6	1.7	7.5	85	6.4	0	2	12	16	1	0	0	0	0	0	0	2	9	20	0	-	-	-	-	-	-	-	-	-	-	-	-	
		21	165	1002.8	-	41.5	1.8	7.3	84	6.5	0	8	8	9	6	0	0	0	0	0	0	0	0	1	30	0	-	-	-	-	-	-	-	-	-	-		
		1	83	1002.4	-	43.1	1.7	8.0	85	7.5	0	4	5	11	11	0	0	0	0	0	1	8	9	10	3	4	17	10	0	2	0	0	1	5	15	5	3	
Hebrides.	Stornoway ..	7	83	1003.6	-0.5	42.2	1.6	7.8	86	7.9	0	4	3	13	11	0	0	0	0	0	1	9	6	11	4	5	18	8	0	2	0	0	6	14	6	3		
		13	83	1004.1	-	43.9	1.9	8.3	85	9.0	0	0	1	19	11	0	0	0	0	0	1	4	9	14	3	4	25	2	0	2	0	0	9	13	5	2		
		18	83	1003.0	-	43.1	1.4	8.3	88	8.5	0	0	5	11	15	0	0	0	0	0	0	9	6	16	0	5	19	7	0	2	0	0	9	13	5	2		
		1	79	1003.2	-	41.0	1.4	7.7	87	8.0	0	1	5	15	10	0	0	0	0	0	2	5	23	0	7	13	11	0	1	0	1	1	4	14	6	4		
Caithness.	Wick ..	7	79	1003.7	-0.8	40.2	1.4	7.4	87	7.6	0	4	1	20	6	0	0	0	0	0	0	3	3	25	0	5	15	11	0	1	0	0	1	4	14	5	6	
		13	79	1004.9	-	41.2	1.7	7.5	85	8.4	0	1	3	19	8	0	0	0	0	0	2	4	6	20	0	4	17	10	0	1	0	1	5	16	3	4		
		18	79	1004.2	-	41.0	1.3	7.7	89	7.9	0	1	6	14	10	0	0	0	0	0	0	3	6	22	0	4	16	11	0	0	0	1	0	5	16	4	5	
		7	1180	964.9	-	36.5	1.3	6.5	87	7.9	0	2	7	6	16	0	0	0	0	0	0	11	17	3	0	2	12	14	3	0	0	0	0	13	12	1	2	
Inverness.	Dalwhinnie†	13	1180	965.3	-	38.1	1.6	6.6	85	9.4	0	0	1	10	20	0	0	0	1	1	0	7	15	7	0	1	15	15	0	1	0	0	1	9	16	3	1	
		18	1180	964.9	-	37.6	1.5	6.7	86	8.3	0	2	5	8	16	0	0	0	0	0	0	13	15	3	0	1	17	13	0	2	0	0	1	11	15	1	1	
		9	250	1006.7	-	40.2	0.6	7.9	94	5.1	0	6	18	6	1	0	0	0	0	0	0	2	4	7	18	0	6	25	0	0	0	0	1	2	18	7	3	
		17	250	1006.1	-	41.7	0.7	8.5	94	5.5	0	6	18	6	1	0	0	0	0	0	0	2	2	14	13	0	9	22	0	0	1	0	0	1	22	5	2	
1. SCOTLAND, E.																																						
Aberdeen.	Aberdeen	H	7	85	1007.0	+0.4	40.2	2.4	6.6	80	5.8	0	11	3	11	6	0	0	0	0	0	6	28	7	0	0	9	19	3	0	0	0	0	7	12	3	6	
		13	85	1007.9	+1.1	41.6	2.6	6.9	78	6.2	0	8	4	17	2	0	0	0	1	0	1	15	7	7	0	0	10	21	0	0	0	0	12	8	8	3		
		18	85	1007.7	+0.5	40.9	2.3	6.9	80	5.5	3	9	5	9	5	0	0	0	0	0	1	3	16	20	1	0	0	9	22	0	1	0	0	0	12	12	4	2
		21	85	1007.5	+0.3	40.9	2.3	6.9	80	5.7	7	5	2	8	9	0	0	0	0	3	0	12	14	2	0	0	10	21	0	0	0	0	12	10	5	4		
		h.*	85	1007.4	+0.5	40.7	2.4	6.9	79																													
Aberdeen.	Braemar†	9	1108	1009.3	-	36.5	1.7	6.3	83	8.1	1	3	3	6	18	0	0	0	0	0	9	22	0	0	1	6	15	9	0	0	0	0	14	4	4			
		9	482	1008.4	-	38.7	1.8	6.7	83	7.2	1	5	6	3	16	-	-	-	-	-	-	-	-	-	-	2	6	23	0	2	0	0	0	8	18	3		
Perth.	Crieff ..	21	482	1008.4	-	39.9	1.9	7.0	83	7.5	1	6	3	4	17	-	-	-	-	-	-	-	-	-	-	5	8	18	0	1	0	0	0	7	20	3		
		1	184	1009.0	-	41.8	0.9	8.4	92	6.5	0	7	5	14	5	0	0	0	0	2	0	3	7	19	0	1	17	13	0	0	0	0	1	7	19	2	2	
Fife.	Inchkeith ..	7	184	1009.1	-	41.8	0.9	8.4	92	6.4	0	8	6	10	7	0	0	0	0	0	4	7	20	0	3	13	15	0	0	1	0	1	6	18	3	2		
		13	184	1010.0	-	43.0	1.0	8.6	91	8.1	0	2	2	22	5	0	0	0	0	2	2	9	8	20	0	2	14	15	0	0	1	2	4	22	2	0		
		18	184	1009.9	-	42.8	0.9	8.7	92	7.5	0	4	6	9	12	0	0	0	0	0	1	5	11	14	0	2	16	13	0	1	0	0	1	7	21	0	1	
		7	36	1008.8	-	39.2	1.7	7.0	85	5.4	4	7	7	6	7	0	0	0	0	2	0	6	11	12	0	0	12	18	1	0	0	0	2	13	11	4	2	
Fife.	Leuchars..	H	13	36	1009.7	-	41.9	2.0	7.5	82	7.3	0	6	3	16	6	0	0	0	1	2	1	8	5	13	1	0	14	13	4	1	0	0	1	17	6	2	
		18	36	1009.3	-	40.6	1.8	7.4	84	7.0	0	7	6	7	11	0	0	0	1	3	2	8	9	8	0	0	14	15	2	0	0	2	1	18	5	3		
		9	441	1010.4	-	40.0	1.8	7.1	84	6.3	0	8	8	6	9	0	1	0	1	2	5	16	6	0	0	2	15	11	3	0	0	0	1	4	14	7	2	
Mid Lothian.	Edinburgh (Blackford Hill)	21	441	1009.7	-	41.8	2.3	7.3	80	7.4	2	5	3	4	17	0	0	0	0	1	7	21	1	1	0	2	13	13	3	0	0	0	7	11	9	1		
		6a. SCOTLAND, W.																																				
Argyll.	Tiree ..	7	40	1007.5	-	44.3	1.8	8.4	85	7.3	0	3	6	15	7	0	0	0	0	0	6	16	9	0	3	22	6	0	1	0	0	0	7	9	9	5		
		13	40	1007.7	-	45.4	2.3	8.3	81	8.3	0	2	4	12	13	0	0	0	0	0	8	10	9	4	0	30	1	0	3	0	0	0	7	10	7	4		
		18	40	1006.9	-	44.9	2.0	8.5	84	8.3	0	4	2	10	15	0	0	0	0	0	1	10	9	20	1	7	19	5	0	2	0	0	0	6	8	9	6	
Bute.	Rothesay ..	9	187	1009.7	-	42.4	1.7	7.7	85	7.4	0	2	7	15	7	0	0	0	0	2	1	11	5	13	0	2	16	11	2	1	0	2	2	6	6	5	7	
		21	187	1009.4	-	42.6	1.8	7.9	85	7.7	0	4	3	14	10	0	0	0	0	2	0	4	4	12	20	0	5	13	12	1	1	0	0	2	4	4	9	10
Renfrew.	Renfrew .. (Abbotsinch)	7	24	1010.1	-	40.4	1.4	7.4	87	7.3	1	5	4	9	12	0	0	0	0	3	3	7	15	3	0	1	11	14	5	0	2	0	1	12	7	3		
		13	24	1010.6	-	43.2	1.8	8.0	85	9.0	0	0	3	14	14	0	0	1	1	3	5	7	2	9	3	0	15	15	1	0	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

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.		
																0	1	2	3																	4	5
2. ENGLAND, N.E.—cont.																																					
Durham.	Durham ..	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																												
		9	352	1013.0	-	39.5	1.6	7.0	85	5.5	7	5	4	3	12	0	0	0	1	7	2	6	11	4	0	2	4	23	2	1	0	0	1	10	7	8	2
		21	352	1013.3	-	40.1	1.7	7.6	89	6.6	5	3	5	0	18	0	0	1	0	2	3	12	12	1	0	2	7	20	2	1	0	0	0	11	9	6	2
Yorks., N. Riding	Catterick ..	7	186	1013.0	-	39.8	1.6	7.3	86	6.5	0	11	3	4	13	0	1	0	1	1	2	5	13	8	0	0	11	18	2	0	0	0	1	9	8	8	3
		13	186	1013.8	-	43.1	2.7	7.5	78	7.0	0	6	4	13	8	0	1	0	1	2	3	5	2	17	0	0	11	18	2	0	0	0	4	5	7	9	4
Yorks., N. Riding	Scarborough ..	18	186	1014.0	-	41.1	2.0	7.4	83	6.4	1	8	5	6	11	0	1	0	2	1	2	3	14	8	0	0	11	14	6	0	0	0	3	9	5	6	2
		9	96	1013.3	-	41.0	1.5	7.4	86	5.6	0	13	4	11	3	0	1	3	1	4	2	16	4	0	0	1	7	23	0	1	0	0	0	5	12	8	5
	York ..	9	53	1015.3	-	40.5	1.5	7.9	92	6.1	5	7	2	5	12	-	-	-	-	-	-	-	-	-	-	0	3	28	0	2	0	0	0	15	5	7	2
		21	53	1015.6	-	41.4	1.7	8.1	91	5.3	8	5	3	4	11	-	-	-	-	-	-	-	-	-	-	0	1	30	0	0	0	0	0	17	3	9	2
Yorks., E. Riding	Spurn Head ..	1	28	1014.8	-	41.1	0.8	8.1	93	7.4	2	4	3	11	11	0	0	1	2	0	4	6	13	5	0	2	23	5	1	0	0	0	2	9	9	7	3
		7	28	1014.5	+4.3	40.3	0.4	8.1	95	7.2	0	7	3	7	14	0	1	0	1	2	6	18	2	0	0	3	18	10	0	0	0	0	1	10	9	5	6
		13	28	1015.0	-	43.3	1.3	8.6	90	7.6	0	5	3	12	11	0	0	0	3	4	1	11	12	0	0	3	23	5	0	0	0	0	0	7	10	8	6
		18	28	1015.6	-	41.9	0.8	8.5	95	7.0	1	6	5	5	14	0	0	1	2	1	2	3	21	1	0	1	21	7	2	1	0	0	1	8	10	5	4
Lincoln.	Cranwell ..	7	243	1016.3	-	39.4	1.0	7.7	91	5.7	6	8	0	4	13	0	2	0	0	3	3	9	13	1	0	0	17	13	1	1	0	0	1	7	11	8	2
		13	243	1016.7	-	43.2	2.0	8.1	84	7.0	1	7	2	10	11	0	1	0	2	2	5	10	6	5	0	0	20	10	1	0	0	0	3	4	10	11	2
		18	243	1017.4	-	40.4	1.1	7.7	88	6.0	5	7	2	6	11	0	1	2	1	2	7	4	12	2	0	0	17	10	4	0	0	1	2	6	9	7	2
3. ENGLAND, E.																																					
Norfolk.	Cromer ..	9	74	1016.7	-	41.2	1.1	8.1	90	7.3	1	3	10	5	12	0	0	0	3	1	1	24	2	0	0	0	13	18	0	2	0	0	0	16	3	7	3
		1	26	1018.0	-	40.3	1.1	7.5	90	6.8	6	1	3	8	13	0	1	1	0	0	2	18	9	0	0	0	1	17	12	1	0	0	1	1	9	10	7
Norfolk.	Yarmouth ..	7	26	1017.4	+5.6	40.6	1.3	7.8	89	7.6	0	5	4	6	16	0	0	2	0	2	1	20	3	3	0	0	12	15	3	0	0	0	2	10	7	7	2
		13	26	1017.8	-	43.9	1.9	8.3	85	6.9	1	8	2	10	10	0	0	0	2	22	2	23	2	0	0	1	13	16	1	1	0	1	10	9	6	2	
		18	26	1018.3	-	42.5	1.7	8.0	85	7.0	5	2	3	7	14	0	0	0	1	0	3	21	6	0	0	1	14	14	2	1	1	0	3	11	6	5	2
Suffolk.	Felixstowe Aero.	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suffolk.	Mildenhall	7	21	1017.6	-	39.8	1.0	7.8	92	6.8	3	7	1	3	17	0	0	2	3	1	1	10	9	5	0	0	16	12	3	0	0	0	1	11	7	7	2
		13	21	1018.1	-	44.4	2.2	8.4	83	6.8	2	7	0	10	12	0	1	0	2	1	5	13	4	5	0	0	19	11	1	1	0	0	2	6	11	7	3
		18	21	1018.7	-	41.8	1.5	8.0	87	6.5	8	2	2	3	16	0	1	1	3	3	1	11	10	1	0	0	16	12	3	1	0	2	3	6	10	4	2
Cambridge.	Cambridge	9	43	1018.8	+5.8	40.5	0.7	8.3	94	6.1	8	3	3	1	16	-	-	-	-	-	-	-	-	-	-	0	3	25	3	0	1	0	2	2	14	3	6
		21	43	1018.8	+5.8	40.3	1.0	8.0	92	6.2	9	0	5	2	15	-	-	-	-	-	-	-	-	-	-	0	4	23	4	0	1	0	5	2	12	2	5
Hertford.	Rothamsted ..	9	396	1018.8	-	39.7	1.0	7.5	90	6.2	4	5	5	8	9	0	2	1	3	0	8	17	0	0	0	0	7	19	5	1	0	1	1	11	4	7	1
Essex.	Shoeburyness	7	12	1019.3	-	41.0	1.5	7.7	87	6.5	3	7	2	8	11	0	0	2	1	1	4	6	15	2	0	0	7	23	1	1	0	0	3	8	6	10	2
		13	12	1019.5	-	45.2	2.5	8.4	81	6.4	2	7	4	10	8	0	0	0	1	2	2	13	4	9	0	0	15	16	0	1	1	0	2	6	10	7	4
		18	12	1019.9	-	42.8	1.8	8.1	85	5.5	8	6	1	5	11	0	0	1	0	4	4	8	9	5	0	0	9	21	1	1	0	1	1	8	9	6	4
4. MIDLAND COUNTIES.																																					
Yorks., W. Riding	Harrogate ..	9	478	1015.0	-	39.4	1.6	7.5	92	6.5	4	7	1	7	12	0	1	2	2	2	4	7	2	5	6	2	7	21	1	0	0	0	0	7	16	6	1
Nottingham.	Nottingham ..	9	215	1016.1	-	40.8	1.7	7.9	86	7.1	3	1	9	5	13	1	1	5	5	7	1	10	1	0	0	0	5	26	0	0	0	1	0	4	6	17	3
Warwick.	Birmingham	7	542	1017.1	-	40.2	1.2	7.8	89	7.3	5	1	2	12	11	0	1	0	0	1	2	4	5	18	0	0	11	19	1	0	0	0	3	7	9	8	3
		13	542	1017.6	-	43.6	2.3	8.0	81	7.0	2	4	5	12	8	1	0	1	1	3	3	11	7	4	0	0	12	17	2	0	0	0	3	6	7	6	7
		18	542	1018.0	-	42.0	1.8	7.8	85	7.7	1	4	3	10	13	1	0	0	0	3	6	5	5	11	0	0	11	20	0	1	0	1	3	7	7	8	4
Oxford.	Oxford ..	9	212	1019.3	+5.7	40.8	1.5	7.5	87	6.2	5	6	2	6	12	0	1	1	5	3	0	11	2	8	0	0	12	19	0	1	1	0	3	8	10	7	1
Shropshire.	Shrewsbury	9	186	1016.8	-	41.9	1.6	7.8	85	7.0	1	4	7	7	12	0	0	1	0	1	2	4	0	23	0	0	14	13	4	0	0	0	4	8	5	10	0
Hereford.	Ross-on-Wye	7	226	1017.5	-	42.1	1.9	7.8	84	7.1	2	6	0	13	10	0	1	0	0	2	1	6	6	15	0	0	9	21	1	2	0	1	1	6	12	7	1
		13	226	1017.9	-	45.8	3.0	8.2	76	7.1	0	6	4	11	10	0	0	0	1	2	2	4	9	13	0	0	11	20	0	1	1	1	1	4	12	7	4
		18	226	1018.2	-	43.4	2.3	7.9	81	7.4	0	7	2	5	17	0	0	1	1	2	3	8	7	9	0	0	10	20	1	1	1	1	1	6	10	9	1
		21	226	1018.2	-	42.6	2.0	7.9	83	6.9	0	10	1	7	13	0	1	0	0	2	5	6	9	8	0	0	11	19	1	1	1	1	4	6	11	5	1
Gloucester.	Cheltenham	9	230	1018.7	-	42.5	2.0	7.8	83	7.0	1	8																									



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.	
																0	1	2	3				4	5	6													7
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	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	18	13	0	1	1	2	0	7	10	8	2
			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	1	15	13	2	0	1	2	0	8	9	6	3
Kent.	Dungeness	H	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	2	10	19	0	2	0	2	2	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	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	1	5	9	26	0	0	0	1	13	17	0	2	0	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	2	0	2	1	5	8	5	8	0	1	16	14	0	2	1	1	1	4	11	7	4
Kent.	Manston	H	1	141	1019.8	-	41.1	1.5	7.8	87	7.0	5	3	2	6	15	0	0	0	5	2	7	11	6	0	0	13	17	1	0	0	0	2	5	12	5	6	
			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	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	1	3	9	12	5	0	0	18	12	1	0	0	2	5	9	9	3	
Kent.	Tunbridge Wells	H	18	141	1020.3	-	41.9	1.7	7.8	85	6.6	5	6	1	5	14	0	0	0	2	4	13	8	4	0	0	13	17	1	0	1	1	1	8	10	4	5	
			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	7	24	0	0	2	2	1	1	14	8	3	
Sussex.	Brighton	H	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	1	15	15	0	0	2	2	3	4	9	8	3
Sussex.	Hastings	H	9	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	1	0	2	6	21	2	1	1	0	3	3	12	0	9
			21	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	2	4	22	3	0	0	0	3	1	14	0	10
Hampshire.	Calshot	H	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	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	1	18	12	0	2	1	2	2	8	6	8	2
			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	13	18	0	1	1	1	3	8	8	7	2
Hampshire.	Southampton	H	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	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	1	9	20	1	1	1	0	5	0	12	3	8
			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	8	7	0	0	8	21	2	0	0	3	2	6	7	10	1
Hampshire.	S. Farnborough	H	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	9	20	2	1	0	1	2	7	7	8	3
			9	80	1020.6	-	44.8	1.9	9.3	91	6.4	4	5	3	6	13	-	-	-	-	-	-	-	-	-	-	0	5	26	0	3	2	0	2	1	5	14	4
I. of Wight.	Ventnor (Hosp.)	H	15	80	1020.2	-	45.8	2.4	9.5	90	6.7	1	8	3	9	10	-	-	-	-	-	-	-	-	-	1	7	23	0	4	1	0	2	2	3	16	3	
Wilts.	Amesbury (Boscombe Down)	H	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
			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	1	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
Wilts.	Larkhill	H	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	1	12	17	1	1	1	3	2	5	9	7	2
			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
7a. ENGLAND, N.W.																																						
Lancashire.	Hutton	H	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	
Lancashire.	Manchester (Barton)	H	7	83	1015.2	-	40.9	1.4	7.9	88	7.7	1	5	3	6	16	1	1	0	2	3	1	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
			18	83	1016.1	-	42.4	1.7	8.1	86	8.0	1	3	4	4	19	0	1	1	2	4	5	12	6	0	0	0	12	18	1	1	0	1	3	6	9	5	5
Lancashire.	Manchester (Whitworth Pk.)	H	9	127	1015.8	-	41.5	1.6	7.6	87	7.3	2	4	2	12	11	-	-	-	-	-	-	-	-	-	0	3	27	1	2	0	0	3	13	6	2	4	
			21	127	1016.0	-	42.4	1.8	7.7	84	7.2	2	3	5	11	10	-	-	-	-	-	-	-	-	-	-	1	2	27	1	1	0	0	4	12	6	1	
Lancashire.	Southport* (Bedford Rd. Park)	H	9	37	1015.5	+4.2	42.3	1.7	8.0	86	8.0	1	3	3	9	15	0	1	1	0	5	7	2	7	8	0	2	18	11	0	0	0	1	3	8	6	9	4
			15	37	1015.4	-	44.3	2.2	8.2	83	9.0	0	1	1	10	19	1	0	0	0	4	5	3	8	10	0	1	20	10	0	2	0	1	3	5	9	8	3
			21	37	1015.3	+3.9	43.2	2.1	7.9	83	7.6	0	7	2	5	17	0	1	0	0	6	4	5	11	4	0	1	19	10	1	2	0	0	4	8	5	6	5
Lancashire.	Stonyhurst	H	9	381	1015.6	-	40.7	1.5	7.5	87	8.4	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

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 Vis.	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																
8a. SOUTH WALES—cont.																																								
Radnor.	Llandrindod Wells	9	725	1018.4	-	42.3	1.6	7.9	86	8.5	0	2	3	5	21	0	2	0	0	0	1	12	12	4	0	0	13	17	1	5	1	1	2	3	2	15	1			
	Rhayader ..	9	—	—	-	41.2	1.4	7.7	87	8.0	0	4	4	7	16	0	1	0	1	2	3	9	5	10	0	0	9	22	0	0	1	1	3	3	0	13	7			
Glamorgan.	Cardiff ..	9	203	1019.8	-	42.6	1.4	8.2	88	7.1	2	5	2	9	13	0	1	0	0	6	6	12	6	0	0	0	4	27	0	1	3	1	1	0	13	8				
		21	203	1019.4	-	43.0	1.5	8.2	87	7.4	6	0	2	5	18	0	2	0	0	0	2	21	1	5	0	0	6	25	0	0	3	3	4	0	6	9				
8b. ENGLAND, S.W.																																								
Somerset.	Bath ..	9	113	1019.4	-	42.6	1.4	8.1	87	7.5	2	5	1	8	15	0	1	2	3	5	8	11	1	0	0	0	5	24	2	0	1	4	1	1	10	10				
Dorset.	Holton Heath H	9	58	1020.6	-	42.6	2.0	8.1	84	6.8	6	2	4	3	16	0	0	1	1	2	12	9	5	1	0	0	13	15	2	2	1	2	0	2	6	8				
		15	58	1019.8	-	45.9	2.8	8.4	78	6.8	3	4	5	8	11	0	0	0	0	3	6	17	4	1	0	0	15	15	1	3	2	1	1	2	7	8				
		1	37	1019.4	-	46.3	1.8	9.1	86	7.5	2	4	3	7	15	0	0	0	1	0	0	2	11	17	0	0	20	11	0	2	1	2	2	0	9	7				
Dorset.	Portland Bill	7	37	1019.2	+6.7	46.6	1.8	9.5	86	7.9	1	5	1	9	15	0	0	0	0	0	3	16	12	0	0	0	21	10	0	3	1	1	2	2	8	6				
		13	37	1019.7	-	47.8	2.1	9.6	84	7.8	1	2	4	11	13	0	0	0	0	0	3	15	13	0	0	0	24	7	0	2	2	1	2	2	9	6				
		18	37	1019.0	-	46.9	1.7	9.5	87	6.9	1	6	5	8	11	0	0	0	0	0	3	16	12	0	0	0	24	7	0	2	2	1	2	4	7	6				
Devon.	Moretonhampstead	9	801	1020.0	-	42.1	1.6	8.0	86	7.3	0	8	2	7	14	0	0	1	0	0	1	4	8	15	2	0	15	14	2	2	0	0	2	5	5	3				
		15	801	1019.6	-	44.2	2.0	8.3	83	8.1	0	4	3	8	16	0	0	0	0	1	2	5	4	19	0	0	15	15	1	3	1	0	3	4	7	4				
Devon.	Plymouth (Mount Batten) H	7	27	1019.9	-	44.8	1.5	9.1	89	7.0	3	6	2	6	14	0	0	0	0	2	3	17	9	0	0	1	11	12	7	1	1	2	2	5	4	6				
		13	27	1020.1	-	48.5	2.5	9.6	81	7.6	0	7	2	8	14	0	0	0	1	0	1	8	3	18	0	0	17	13	1	2	1	1	2	6	8	4				
		18	27	1020.1	-	47.0	1.9	9.5	86	6.7	1	10	0	8	12	0	0	0	0	4	10	14	3	0	0	1	12	17	1	0	4	1	3	4	6	5				
		1	240	1019.9	-	46.4	1.6	9.2	87	6.8	0	10	2	9	10	0	0	0	0	2	3	5	21	0	0	2	20	8	1	2	2	1	2	8	5	7				
Cornwall.	The Lizard	7	240	1020.0	-	46.4	1.7	9.1	87	7.2	0	8	2	9	12	0	0	0	0	0	3	4	24	0	0	3	20	7	1	0	1	3	1	8	3	7				
		13	240	1020.2	-	48.6	2.1	9.6	84	7.7	0	4	5	11	11	0	0	0	0	2	5	4	20	0	0	1	21	7	2	0	3	1	2	8	5	6				
		18	240	1020.1	-	47.1	1.9	9.4	85	7.5	0	5	5	8	13	0	0	0	0	1	1	11	18	0	0	2	20	9	0	1	2	2	2	9	3	6				
Cornwall.	Newquay	9	161	1020.0	-	46.2	1.6	9.3	87	7.3	0	6	5	7	13	0	0	0	0	2	8	12	6	3	1	11	18	1	4	2	0	4	6	6	3					
9. IRELAND, N.																																								
Sligo.	Markree Castle	9	127	1013.5	-	41.8	1.1	8.2	91	7.5	0	3	6	11	11	0	0	0	0	1	5	8	17	0	0	7	19	5	2	0	0	4	8	2	2	8				
		21	127	1012.4	-	42.6	1.0	8.6	91	8.1	1	3	4	4	19	0	0	1	0	0	2	7	11	11	0	3	5	17	6	2	0	0	1	9	7	1				
		1	28	1012.4	-	45.6	1.6	9.2	87	7.7	0	2	9	7	13	0	0	0	0	0	2	16	13	0	0	4	18	9	0	1	0	0	1	11	1	8				
Mayo.	Blacksod Point	7	28	1012.1	-	45.8	1.6	9.2	87	7.7	0	2	8	10	11	0	0	0	0	0	0	16	15	0	0	5	15	9	2	1	0	0	2	7	2	11				
		13	28	1012.4	-	46.8	1.9	9.4	85	8.5	0	0	3	15	13	0	0	0	0	0	1	11	17	2	3	19	8	1	1	0	0	2	3	6	14					
		18	28	1011.6	-	46.3	1.9	9.0	85	7.4	0	1	13	6	11	0	0	0	0	0	1	14	16	0	0	4	14	13	0	0	0	0	1	8	2					
		1	87	1009.1	-	44.7	0.7	9.6	95	7.7	0	3	3	21	4	0	0	0	0	1	8	21	1	0	0	0	18	13	0	2	0	0	0	12	7	8				
Donegal.	Malin Head	7	87	1009.4	+3.4	44.1	0.8	9.2	93	7.8	0	2	4	23	2	0	0	0	0	0	1	30	0	0	0	0	20	11	0	2	0	0	0	15	5					
		13	87	1010.0	-	45.2	0.7	9.6	95	8.1	0	1	3	21	6	0	0	0	0	0	3	27	1	0	0	0	25	6	0	3	0	0	0	12	9	6				
		18	87	1009.0	-	44.6	0.6	9.7	95	8.4	0	1	3	19	8	0	0	0	0	1	12	17	1	0	0	0	18	13	0	4	0	0	0	14	8					
		7	245	1012.1	-	41.3	1.1	8.1	90	7.1	0	9	1	8	13	0	0	0	0	0	5	14	12	0	0	0	17	13	1	1	0	0	2	12	8					
Antrim.	Aldergrove H	13	245	1012.6	-	43.1	1.5	8.4	87	8.5	0	2	2	18	9	0	0	0	0	0	8	10	13	0	0	0	17	13	1	1	0	0	2	11	9	6				
		18	245	1012.0	-	42.1	1.4	8.2	89	6.7	0	10	3	4	14	0	0	0	0	1	7	10	13	0	0	0	15	16	0	1	0	0	3	11	8					
Armagh.	Armagh .. H	9	209	1012.8	+3.5	41.5	1.9	7.7	85	7.3	1	5	1	12	12	0	0	0	0	0	6	5	20	0	0	1	7	23	0	0	0	0	0	9	15	5				
		21	209	1011.8	+2.5	42.1	1.6	8.0	87	6.1	9	1	3	5	13	0	0	0	0	1	12	11	7	0	0	1	9	20	1	0	0	0	0	8	14	4				
10. IRELAND, S.																																								
Dublin.	Glasnevin ..	9	56	1015.2	-	43.1	1.8	8.0	85	6.4	3	0	12	8	8	0	1	3	1	5	2	4	0	25	0	0	0	28	3	0	0	0	1	1	4	14				
		21	56	1014.7	-	44.2	1.9	8.3	85	4.7	10	0	10	4	7	0	0	0	2	6	3	2	3	15	0	0	7	22	2	0	0	0	1	2	5	16				
		7	193	1014.2	+4.5	41.9	1.0	8.0	91	6.9	5	4	0	9	13	0	0	0	0	0	0	12	19	0	0	0	2	28	1	2	0	0	0	12	10					
Offaly.	Birr Castle	13	193	1015.0	-	45.3	1.6	8.8	87	8.3	0	2	4	12	13	0	0	0	0	0	0	9	22	0	0	0	0	31	0	0	0	0	0	11	9					
		18	193	1014.2	-	43.7	1.2	8.8	90	7.2	0	8	2	10	11	0	0	0	0	0	0	8	23	0	0	0	4	27	0	1	0	0	0	10	9					
Waterford.	Seskin, Carrick-on-Suir ..	9	521	1016.4	-	42.0	0.7	8.5	94	7.0	0	5	10	4	12	0	0	0	0	2	0	1	5	15	8	2	15	13	1	0	0	0	5	7						
		21	521	1016.1	-	42.4	0.8	8.5	93	6.3	2	7	4	6	12	0	0	0	0	3	0	3	7	12	6	6	12	9	4	0	0	0	1	4	7					
		7	4																																					



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°.

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  $3.5^{\circ}$  F. in Ireland, N. A notable

cold spell occurred from the 12th-23rd; screen minima of  $10^{\circ}$  F. or below were registered locally in Great Britain on the 19th and 20th. The highest temperatures occurred generally around the 9th;  $58^{\circ}$  F. was recorded at Stratford-on-Avon, London (Westminster), Llandudno and Bath on the 9th, and  $57^{\circ}$  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. ( $3.3^{\circ}$  F.) and the Midlands ( $3.1^{\circ}$  F.). The coldest spells were, as a rule, the 3rd-5th and 8th-14th. Among low screen minima were  $5^{\circ}$  F. at Braemar and  $6^{\circ}$  F. at Balmoral on the 5th and 13th, and  $7^{\circ}$  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 Shobernyness 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  $60^{\circ}$  F. at numerous stations on one or other of these days and touched  $65^{\circ}$  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  $11^{\circ}$  F. at Braemar,  $12^{\circ}$  F. at Logie Coldstone and  $13^{\circ}$  F. at Balmoral on the 3rd and to  $18^{\circ}$  F. at Rickmansworth and  $19^{\circ}$  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  $2.4^{\circ}$  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  $65^{\circ}$  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;  $80^{\circ}$  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  $1.6^{\circ}$  F. The first week was, however, unusually cool; on the 5th, temperature in the screen fell to  $25^{\circ}$  F. at Dalwhinnie,  $26^{\circ}$  F. at Braemar and Balmoral,  $27^{\circ}$  F. at West Linton, and  $28^{\circ}$  F. at Markree Castle, while the maximum,  $46^{\circ}$  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  $89^{\circ}$  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  $2^{\circ}$  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  $1.8^{\circ}$  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  $32^{\circ}$  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  $1.4^{\circ}$  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  $54^{\circ}$  F.

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

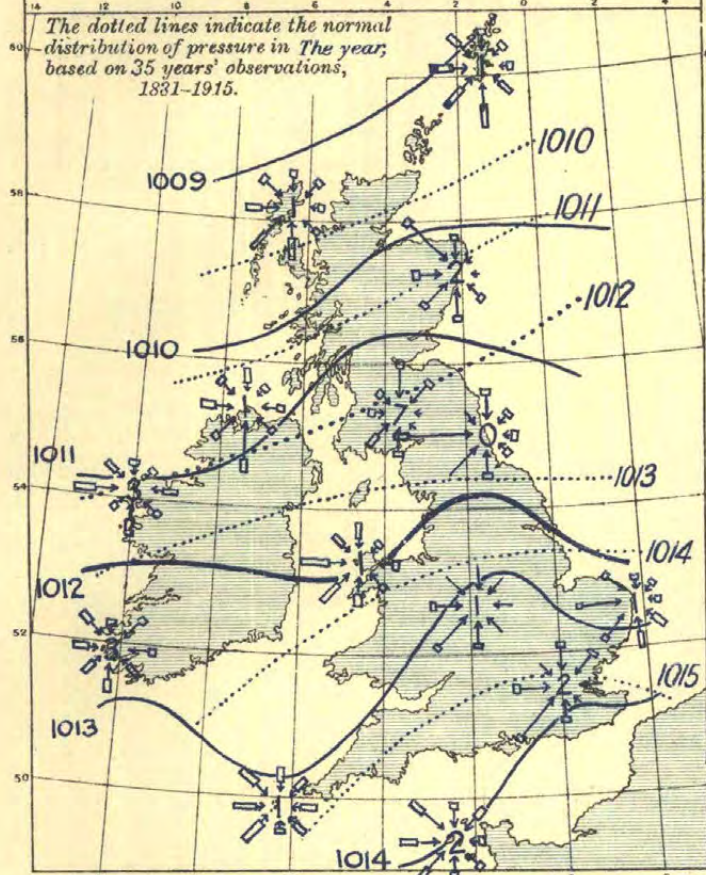


# ANNUAL WEATHER CHARTS, 1936.

P.171.

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

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



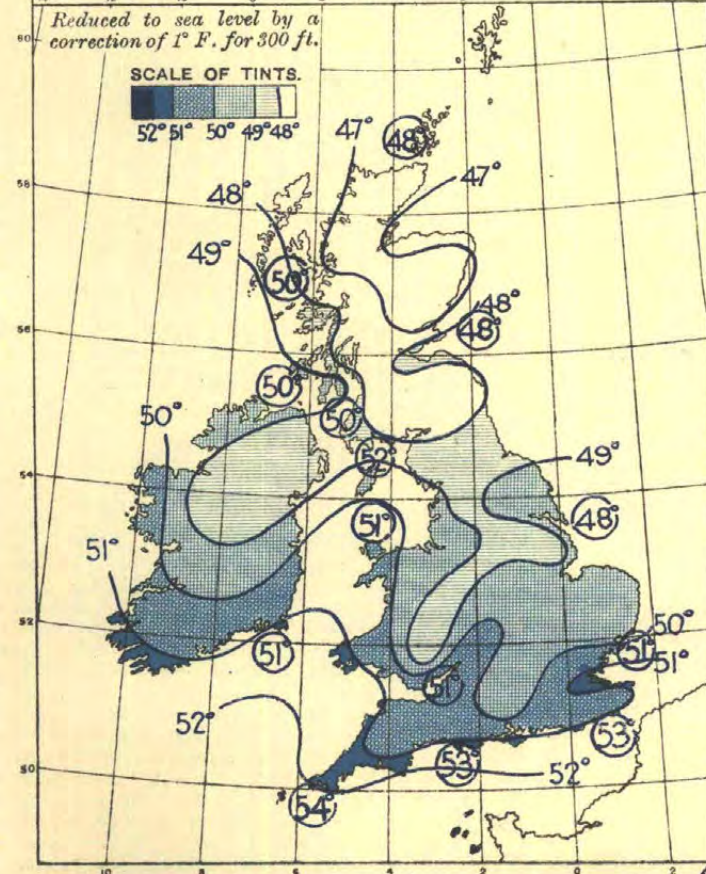
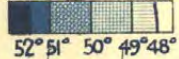
WIND ROSES. The arrows fly with the wind and indicate the mean monthly frequency and force, thus;

LIGHT TO STRONG  
30 Obs. = 1 Inch

## 3. DISTRIBUTION OF MEAN TEMPERATURE.

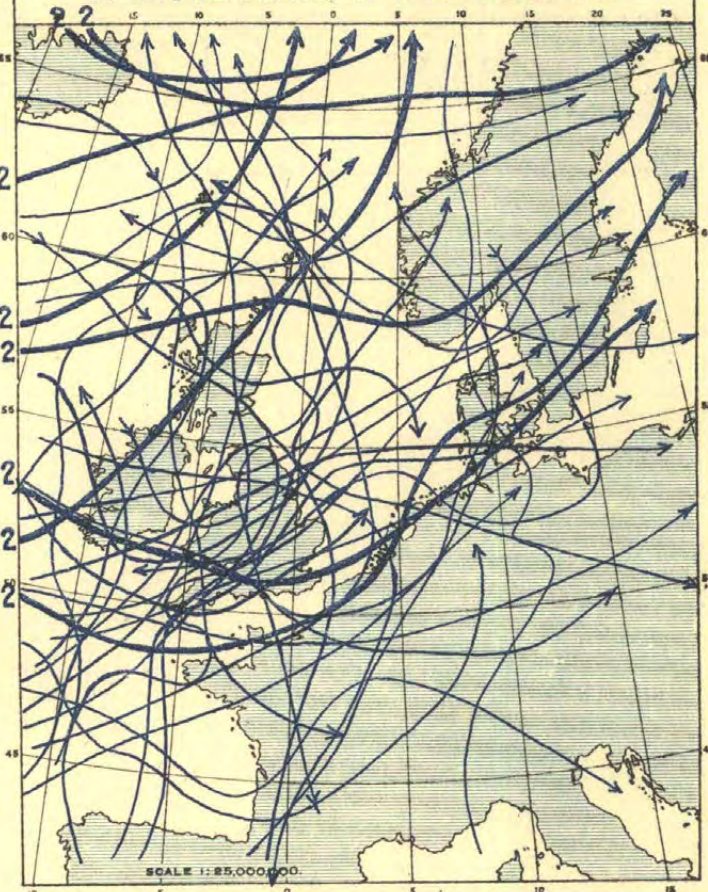
Reduced to sea level by a correction of 1° F. for 300 ft.

SCALE OF TINTS.



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

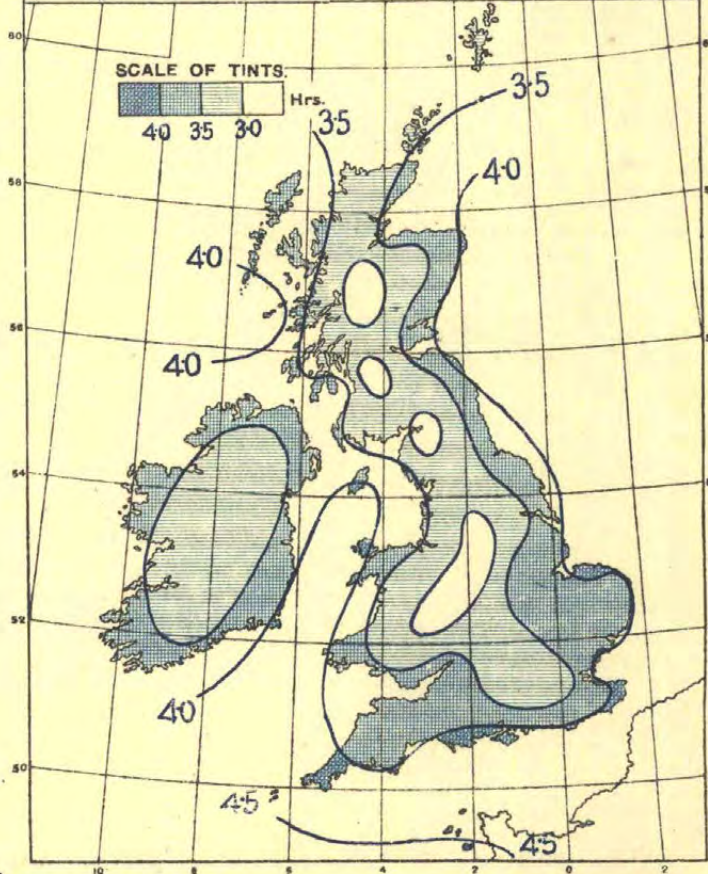
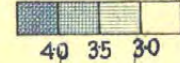
## 2. MOVEMENTS OF DEPRESSIONS.



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

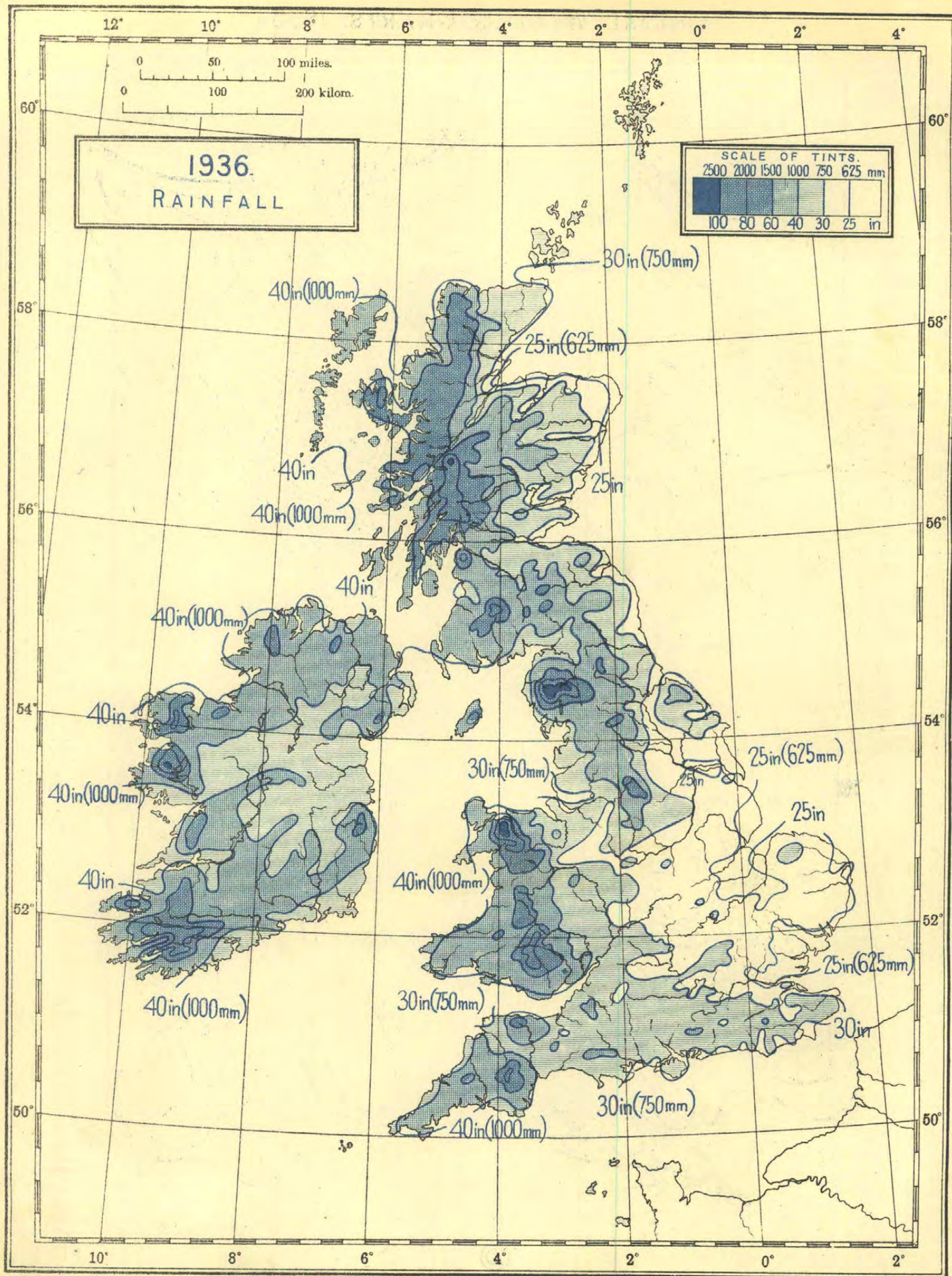
## 4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS.



\*Pressure in millibars.





Scale 1 : 5,000,000.

Ps. 5744/3230. Wc. 268A. D. 6031/238. Gp. 208. 1000. 2/37.



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 Ardgour. (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 dulllest 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 dulllest 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 dulllest March in records back to 1892 and 1881 respectively, at Birr Castle it was the dulllest July since before 1881, and at Oxford and Kew Observatory, September was the dulllest 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.									
o. SCOTLAND, E.	87	5	+0.4	—	—	95	—5	103	31
o. ENGLAND, N.E.	84	11	+0.2	+0.4	+0.2	108	—7	99	30
o. ENGLAND, E.	88	7	+0.1	+0.1	+0.1	110	+2	87	31
o. MIDLAND COUNTIES.	86	9	+0.1	—0.1	+0.1	110	0	88	27
o. ENGLAND, S.E.	89	16	+0.1	+0.4	+0.4	105	+1	89	32

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.
Western.	° F.	° F.	° F.	° F.	° F.	%		%	%
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.

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. For Dates see Table V.		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	B		Amount.	Date.					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.			
				Max.	Min.																									in.	mm.	mm.
0. SCOTLAND, N.																																
Shetland.	Baltasound	9 9	31	50.5	41.4	45.9	+0.9	72	21	46.6	—	39.27	998	—	71	26	20	July	285	186	41	18	57	5	5	—	29	3.26	+0.43	27		
	Lerwick..	18-7	7	156	49.1	42.8	45.9	+1.0	71	25	—	—	30.32	770	—	130	18	26	Oct.	215	160	36	11	44	0	11	—	50	3.22	+0.20	26	
Orkney.	Deerness	21 21	9	160	(50.2)	41.9	46.1	+0.6	71	26	—	—	32.57	827	—	74	37	2	Aug.	235	166	—	—	—	—	—	—	—	—	—	—	
	Kirkwall	9 9	9	113	50.8	42.1	46.5	+0.7	72	23	47.1	—	34.56	878	—	60	38	2	Aug.	221	172	42	17	32	5	6	63	39	3.63	+0.45	30	
Hebrides.	Skallary	10 10	10	30	53.3	45.2	49.3	—	80	29	—	—	36.95	939	—	25	16	May	237	191	26	6	23	2	—	—	—	—	—	—	—	
	Stornoway(C.G.)	18-7	7	80	51.8	43.4	47.6	+1.3	75	21	—	—	38.88	988	—	49	4	Sept.	249	192	31	9	49	2	5	—	47	3.64	+0.27	30		
Skye.	Stornoway	—	9	30	—	—	—	—	—	—	—	—	41.77	1061	—	205	47	4	Sept.	252	196	—	—	—	—	—	—	—	—	—	—	—
	Duntulm	9 9	9	294	52.1	43.2	47.7	—	82	26	—	—	40.51	1029	—	24	16	Oct.	223	191	29	0	30	5	3	53	32	3.54	—	29		
Caithness.	Wick	18-7	7	81	50.1	41.5	45.8	+0.4	67	12	—	—	30.68	779	—	17	27	5	Dec.	220	145	34	25	22	0	11	—	39	—	—	—	—
Ross and Cromarty.	Achnashellach	9 9	9	225	(53.9)	40.0	46.9	—	86	—	—	—	(67.01)	1702	—	442	—	—	—	(201)	182	42	8	6	2	4	—	—	—	—	—	
Inverness.	Fortrose	9 9	9	69	53.3	42.0	47.7	+0.8	77	18	—	—	25.73	653	—	34	4	Sept.	180	132	27	21	5	4	5	—	3	3.23	-0.41	26		
	Dalwhinnie	18-7	7	1176	49.8	36.5	43.1	—	84	7	—	—	42.21	1072	—	33	16	Oct.	205	159	49	54	2	3	3	173	12	2.78	—	238		
	Ft. Augustus	9 9	9	68	53.5	40.0	46.7	+0.5	84	17	—	—	30.96	786	—	337	31	19	Dec.	204	144	16	12	7	2	10	—	—	2.96	—	248	
	Ft. William	9 9	9	34	54.0	41.7	47.9	+0.9	84	17	47.7	48.1	64.65	1642	—	323	97	19	Dec.	224	180	19	15	7	5	2	88	6	2.89	—	248	
	Inverness	9 9	9	242	52.4	41.1	46.7	-0.2	83	17	—	—	27.47	698	—	16	47	4	Sept.	172	127	34	25	0	4	9	78	1	3.51	+0.05	29	
1. SCOTLAND, E.																																
Nairn.	Nairn	9 9	9	20	53.6	40.5	47.1	+0.4	85	13	—	—	23.19	589	—	46	22	7	July	197	121	19	10	8	1	5	—	0	3.77	+0.28	31	
	Forres	9 9	9	155	54.2	40.4	47.3	—	87	14	—	—	23.61	600	—	30	12	July	172	120	23	22	18	7	2	—	10	3.94	—	32		
Banff.	Gordon Castle	21 21	9	104	53.7	40.5	47.1	+0.5	83	12	—	—	23.38	594	—	163	26	20	Jan.	183	131	20	8	10	10	—	—	—	3.75	+0.21	318	
	Banff	9 9	9	130	52.2	41.8	47.0	+0.7	80	14	—	—	22.13	562	—	119	17	1	June	182	138	30	7	20	6	0	72	16	3.80	+0.21	31	
Aberdeen.	Aberdeen	24 24	24	79	51.6	41.7	46.7	+0.4	73	15	46.8	46.6	23.91	607	—	141	22	11	July	186	122	34	18	22	5	12	90	5	4.00	+0.36	33	
		18-7	—	—	51.7	41.4	46.5	-0.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Balmoral	9 9	9	927	50.8	35.5	43.1	-0.4	78	6	—	—	28.33	720	—	119	28	13	Dec.	195	138	46	70	1	4	—	164	1	—	—	—	—
	Braemar	21 21	9	1111	51.1	36.2	43.7	+0.6	81	5	—	—	29.75	756	—	143	35	26	May	189	142	45	85	4	4	—	124	13	3.18	—	268	
Kincardine.	Craibstone	9 9	9	300	51.5	39.8	45.7	—	75	15	46.3	46.0	27.73	704	—	96	25	5	Jan.	182	123	40	33	21	4	—	97	—	4.33	—	35	
	Logie Coldstone	9 9	9	608	(52.3)	36.7	44.5	-0.2	81	6	—	—	(26.01)	661	—	124	—	—	—	(182)	130	46	63	0	5	0	—	—	—	—	—	—
Angus.	Balmakewan	9 9	9	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Stonehaven	9 9	9	12	53.3	40.2	46.7	—	75	18	—	—	25.27	642	—	27	12	Sept.	183	125	21	12	8	2	7	—	—	4.04	—	33		
	Arbroath	21 21	9	93	53.6	40.3	46.9	+0.3	78	13	—	—	23.95	608	—	42	25	20	Jan.	149	111	16	8	1	0	35	130	3	4.23	—	35	
	Carnoustie	9 9	9	39	52.9	41.2	47.1	+0.5	77	20	—	—	23.96	609	—	82	25	23	Feb.	169	120	12	2	7	4	—	5	3.84	+0.01	31		
	Dundee	9 9	9	147	53.3	41.0	47.1	+0.6	77	20	47.3	—	28.59	726	—	60	35	23	Feb.	177	122	12	15	10	7	—	127	15	3.73	0.00	30	
	Kettins	9 9	9	218	53.4	38.7	46.1	+0.3	79	13	47.1	—	27.92	709	—	104	27	23	Feb.	179	102	27	10	6	9	19	130	27	—	—	—	—
Perth.	Montrose	9 9	9	16	52.6	40.7	46.7	+0.5	78	17	—	—	22.31	567	—	22	20	Jan.	159	106	13	9	9	3	5	—	11	4.21	+0.38	34		
	Crieff	21 21	9	478	52.9	39.1	46.0	-0.1	79	15	—	—	36.44	926	—	111	26	24	Oct.	200	134	31	13	5	0	—	—	—	—	—	—	—
Fife.	Perth	9 9	9	76	54.8	(40.0)	47.4	+0.6	81	11	—	—	29.95	761	—	21	34	3	Sept.	147	139	22	0	7	5	—	—	—	3.28	-0.44	27	
	Cupar	9 9	9	210	53.0	40.6	46.8	+0.2	76	19	—	—	28.72	729	—	37	23	Feb.	181	129	11	11	3	2	—	—	—	—	—	—	—	—
	Dunfermline	9 9	9	237	53.0	40.5	46.7	—	76	20	48.4	48.4	28.40	721	—	24	23	Feb.	177	136	33	10	14	15	23	112	8	3.25	—	27		
	Inchkeith	18-7	7	190	52.2	43.3	47.7	+0.1	74	26	—	—	22.87	581	—	27	38	1	July	161	117	14	2	0	5	13	48	12	3.69	—	30	
	Kirkcaldy	9 9	9	63	54.0	41.4	47.7	0.0	76	22	—	—	27.46	697	—	—	—	—	—	178	126	6	3	3	4	—	—	—	—	—	—	—
	Leuchars	18-7	7	36	53.0	40.8	46.9	+0.3	76	17	—	—	26.96	685	—	32	32	28	July	173	112	17	4	0	7	15	122	1	3.96	-0.06	31	
	St. Andrews	9 9	9	13	53.0	40.9	46.9																									



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		Mean of A and B.	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.	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.						
66. ISLE OF MAN.																																	
Isle of Man. Douglas ..		G. M. T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.			in.	mm.	mm.	mm.																
Point of Ayre ..		9 9 9	284	53·3	44·1	48·7	+0·3	77	26	—	—	50·44	1281	+235	46	11 Dec.	204	169	9	5	11	9	7	48	21	4·03	-0·30	33					
		18-7 7	30	54·5	45·1	49·8	—	75	29	—	—	36·52	928	—	31	13 Dec.	197	137	13	1	12	8	6	—	30	4·30	—	35					
2. ENGLAND, N.E.																																	
Northumberland.		Berwick-on-T. ..	9 9 9	76	52·0	41·9	46·9	—	76	19	—	—	24·18	614	+ 19	24	9 Mar.	164	118	11	4	12	7	5 (60)	—	4·13	—	34					
		Bellingham ..	9 9 9	849	51·8	38·3	45·1	+0·3	80	16	—	—	37·25	946	+ 45	37	24 Sept.	214	156	49	30	10	9	10	—	—	3·86	+0·02	32				
		Cockle Park ..	21 21 9	325	52·9	39·7	46·3	+0·2	77	21	46·0	47·1	30·35	771	+ 41	25	17 Nov.	189	127	—	—	—	—	—	—	—	—	—	—	—	—	—	
		Tynemouth ..	18-7 7	108	51·8	44·0	47·9	-0·2	76	25	—	—	28·22	717	+ 96	36	3 June	177	116	18	7	1	5	13	50	6	—	—	—	—	—	—	
Durham.		Chopwellwood ..	9 9 9	446	53·6	40·2	46·9	+0·7	79	14	—	—	33·42	849	+120	41	3 June	174	124	20	16	10	15	3	—	—	3·57	-0·16	29				
		Durham ..	21 21 9	336	53·8	40·6	47·2	+0·6	79	15	—	—	29·16	741	+116	38	3 June	180	122	17	16	8	9	21	99	8	3·52	-0·10	29				
		Houghall ..	9 9 9	160	56·1	39·2	47·7	—	82	11	—	—	31·22	793	—	43	3 June	—	123	27	13	8	10	12	134	2	3·41	—	28				
		Ushaw College ..	9 9 9	594	52·7	40·8	46·7	+0·3	80	21	—	—	32·19	818	+101	45	3 June	191	128	28	24	7	8	76	—	—	—	—	—	—	—		
Yorks., N. Riding.		Ampleforth ..	9 9 9	313	53·5	40·9	47·2	-0·1	76	12	—	—	31·77	807	—	27	6 Aug.	191	133	19	15	5	18	42	125	—	3·48	—	29				
		Castleton ..	9 9 9	450	53·5	38·9	46·2	—	80	12	47·1	—	38·12	968	—	41	3 June	196	148	20	24	8	6	11	116	—	—	—	—	—	—		
		Catterick ..	18-7 7	175	53·5	41·4	47·5	—	77	14	—	—	30·71	780	—	33	3 June	175	120	25	14	9	9	30	97	3	3·57	—	29				
		Scarborough ..	9 9 9	118	54·7	43·5	49·1	+0·3	79	19	50·0	—	26·15	664	+ 9	26	6 Aug.	176	131	13	4	6	7	36	66	8	3·86	+0·04	32				
		York ..	21 21 9	57	55·3	42·6	48·9	+0·2	81	16	48·9	49·3	24·84	631	+ 13	19	12 June	174	119	14	8	6	14	—	5	3·56	+0·16	29					
Yorks., E. Riding.		Hull ..	21 21 9	8	55·1	44·3	49·7	+1·2	81	20	49·0	48·9	26·00	660	+ 15	22	7 July	(185 124)	22	9	9	11	40	80	—	—	3·43	—	28				
		Spurn Head ..	18-7 7	29	53·4	44·8	49·1	+0·2	82	27	—	—	29·83	757	+180	43	10 July	179	126	14	3	4	10	36	—	17	4·14	+0·07	34				
Lincoln.		Cranwell ..	18-7 7	200	54·8	41·6	48·2	-0·1	84	18	47·8	49·2	25·59	650	+ 60	25	29 Jan.	183	126	18	11	8	19	67	80	1	3·78	-0·47	31				
		Cleethorpes ..	9 9 9	23	54·4	43·0	48·7	—	81	22	—	—	25·69	653	—	23	30 May	182	115	14	5	6	8	25	59	—	4·19	—	34				
		Skegness ..	9 9 9	15	53·7	43·2	48·5	+0·3	78	17	—	—	24·36	619	+ 27	21	10 July	177	118	18	5	8	12	23	55	—	4·20	-0·21	34				
3. ENGLAND, E.																																	
Norfolk.		Cromer ..	9 9 9	178	54·4	43·9	49·1	0·0	81	23	—	—	25·22	641	+ 36	36	10 July	188	123	11	2	6	20	12	39	3	4·22	-0·12	35				
		Hunstanton ..	9 9 9	105	54·9	43·9	49·4	—	86	23	—	—	26·03	661	—	31	7 July	188	133	8	1	3	11	16	—	—	4·18	—	34				
		Norwich ..	9 9 9	110	55·8	42·3	49·1	-0·2	85	18	48·8	—	25·92	658	—	23	29 June	198	139	15	5	10	10	—	101	—	3·91	-0·42	32				
		Sprowston ..	9 9 9	93	55·7	42·1	48·9	—	83	18	—	—	25·03	636	—	17	29 June	198	130	17	9	7	10	35	149	—	3·98	—	33				
		Terrington ..	9 9 9	13	56·3	42·2	49·3	—	88	21	—	—	27·34	694	—	46	7 July	198	128	10	6	6	10	29	82	—	3·91	—	32				
		Thetford ..	9 9 9	99	56·1	39·7	47·9	—	88	10	49·4	49·9	26·86	682	—	24	15 Sept.	206	144	14	8	6	16	28	115	—	4·01	—	33				
		(Lynford Nursery)																															
Suffolk.		Yarmouth ..	18-7 7	5	53·7	44·8	49·3	-0·2	78	25	50·8	51·4	24·82	631	+ 9	33	29 June	169	127	18	2	11	11	20	24	2	4·20	-0·32	34				
		Bungay (Flix'n) ..	9 9 9	79	55·6	42·1	48·9	-0·3	82	19	—	—	25·79	655	—	24	29 June	160	139	15	2	4	18	21	81	—	—	—	—	—	—		
		Copdock ..	9 9 9	164	56·1	42·4	49·3	+0·4	85	17	49·9	50·4	25·34	644	—	22	28 June	185	126	14	6	4	17	39	81	—	3·82	-0·52	31				
		Hartest ..	9 9 9	250	56·0	41·1	48·5	—	85	11	—	—	28·09	713	—	46	20 Sept.	186	135	11	9	—	—	—	103	—	4·03	—	33				
		Lowestoft ..	9 9 9	82	54·9	43·5	49·2	+0·3	80	22	50·7	50·8	23·37	594	- 2	21	15 July	176	119	13	3	8	10	20	86	3	4·25	-0·45	35				
		Mildenhall ..	18-7 7	19	56·2	42·6	49·4	—	86	18	—	—	26·70	678	—	42	5 Sept.	184	120	10	4	4	16	33	66	5	3·86	—	32				
Cambridge.		Cambridge ..	21 21 9	41	56·4	42·0	49·2	0·0	86	16	50·3	50·9	24·81	630	+ 76	35	21 June	162	113	8	4	2	10	32	89	0	3·58	-0·65	29				
		(Bot. Gdns.)																															
Bedford.		(Univ. Farm) ..	9 9 9	78	56·2	42·0	49·1	—	85	15	—	—	25·21	640	—	26	9 July	192	119	6	4	0	8	32	95	3	3·91	—	32				
		Luton ..	9 9 9	381	55·3	41·8	48·5	+0·1	83	14	—	51·1	26·95	685	—	27	2 July	163	126	9	9	2	14	30	102	—	3·28	-0·95	27				
		Woburn ..	9 9 9	291	55·2	41·1	48·1	-0·2	83	15	49·9	50·3	27·75	705	+ 98	27	7 July	189	135	18	5	3	24	25	93	—	3·51	-0·45	29				
Hertford.		Rickmansworth ..	9 9 9	192	57·9	35·8	46·9	—	87	7	49·6	50·1	34·16	868	—	30	25 June	222	161	29	10	13	25	68	209	2	3·70	—	30				
		Rothamsted ..	9 9 9	420	54·1	41·6	47·9	-0·3	82	18	48·6	—	30·37	771	+ 92	80	21 June	191	138	12	6	5	15	27	109	5	3·53	-0·71	29				
		St. Albans ..	9 9 9	272	56·0	41·3	48·7	—	84	17	50·1	—	31·10	790	+158	101	21 June	173	142	7	3	2	13	21	110	—	—	—	—	—			
Essex.		Clacton-on-S. ..	9 9 9	53	54·6	44·5	49·5	+0·2	78	24	50·9	51·3	24·13	613	+ 92	30	29 June	177	127	14	2	8	12	11	54	—	4·09	-0·59	34				
		Chelmsford ..	9 9 9	134	56·9	42·1	49·5	+0·5	86	17	—	—	24·27	616	+ 50	25	21 June	183	135	11	4	4	12	—	—	—	—	—	—	—	—		
		Chelmsford ..	9 9 9	193	56·6	41·9	49·3	—	82	17	—	—	25·64	651	—	23	11 Nov.	171	133	9	4	5	9	—	102	—	3·94	—	33				
		(Agr. St.)																															
		Earls Colne ..	9 9 9	168	56·7	42·1	49·4	—	84	14	—	—	(24·26)	(616)	—	18	31 Jan.	(173)	128	10	3	5	11	—	—	—	—	—	—	—	—		
		Halstead ..	9 9 9	140	56·9	42·0	49·5	+0·2	85	14	—	—	26·57	675	—	21	15 July	178	132	12	3	6	11	32	—	—	—	—	—	—	—		
		Shoburyness ..	18-7 7	11	56·1	44·5	50·3	+0·4	80	21	—	—	21·10	536	+ 56	22	10 Aug.	168	122	7	4	10	17	24	81	5	4·08	-0·61	33				
4. MIDLAND COUNTIES.																																	
Yorks., W. Riding.		Askham Bryan ..	9 9 9	90	55·2	40·4	47·8	—	80	10	—	—	24·16	614	—	22	2 June	158	113	18	11	4	14	19	(91)	—	3·57	—	29				
		Bingley ..	9 9 9	610	52·4	40·1	46·3	—	79	17	—	—	35·38	899	—	25	2 June	211	156	31	22	4	14	46	89	—	—	—	—	—	—		
		Bradford ..	9 9 9	439	53·4	41·8	47·6	+0·3	80	17	47·1	48·1	35·49	901	+104	31	22 June	197	145	—	—	—	—	—	59 (87)	—	—	3·17	-0·14	26			
		Giggleswick ..	9 9 9	575	52·7	40·4	46·5	+0·1	82	10	—	—	39·56	1005	—	45	13 Dec.	200	161	27	21	14	9	13	—	7	3·06	—	25				
		Harrogate ..	9 9 9	478	53·3	41·7	47·5	+0·7	79	19	47·6	48·0	32·73	831	+ 54	25	2 June	176	132	22													

† 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		Mean of A and B.	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.			°F.	°F.					°F.	°F.								Amount.	Date.	0.2 min. or more.	1 min. or more.	Daily Mean.	Difference from Average.	Per cent.
4. MID. COUNTIES—cont.	G. M. T.		ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.									hr.	hr.	%				
Leicester. Belvoir Castle ..	21 21 9	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 ..	21—9 —	—	—	57.6	44.1	50.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Kensington ..	9 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		
Kingsway ..	18—9 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		
Regent's Park ..	9 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	—	3.06	—	25		
Kew ..	24 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	3.07	-0.50	25		
Observatory	18—7 —	—	—	56.4	44.9	50.7	-0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.57	-0.44	29	
Tottenham	21 21 9	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	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	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	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	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		
Biggin Hill	18—7 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	9	213																											



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.		
					Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.	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.															
	Max.	Min.	Rain.		°F.	°F.	°F.	°F.	°F.	°F.	1 ft.	4 ft.	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.	Daily Mean.	Difference from Average.	Per cent.	
5. ENGLAND, S.E.—cont.																													
I. of Wight.	G. M. T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
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	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	—	32		
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	—	33		
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	9 9 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	—	25		
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	23S		
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	21S		
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	24S		
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	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	—	26		
(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	19S		
(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		
Hoyle	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	—	30		
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	9 9 9	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	9 9 9	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	—	27S		
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		
Montgomery.																													
Welshpool	9 9 9	254	55.6	40.9	48.2	-0.2	81	12	—	—	31.08	789	+ 24	25	21 June	193	140	9	8	1	10	33	—	—	—	—	—		
8a. SOUTH WALES.																													
Cardigan.																													
Aberystwyth	9 9 9	12	54.9	45.3	50.1	+0.2	82	25	—	—	36.75	933	—	30	25 Sept.	213	151	2	1	15	5	5	—	—	3.84	-0.23	31		
P.B.S.†	9 9 9	452	53.4	43.7	48.5	—	81	25	—	—	44.22	1123	—	33	21 June	236	162	13	3	8	6	12	78	13</					



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.			
						Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.	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.							Amount.	Date.	0.2 mm. or more.	1 mm. or more.							Snow.	Daily Mean.	Difference from Average.	Per cent.				
8b. ENGLAND, S.W.—cont.																															
Devon	Killerton	9 9 9	159	57.7	42.8	50.3	+0.3	82	26	—	—	33.65	855	—	27	1 July	203	150	—	—	—	—	—	9 (129)	—	—	—	—	—	—	—
	—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	
Cornwall.	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	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	
	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	52.1	+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	
	Blackod Pt.	18—7 7	18	54.1	45.9	50.0	—	73	32	—	—	46.48	1180	—	82	18 Feb.	234	185	9	0	32	5	2	—	31	—	—	—	—	—	
Mayo.	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	
	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	
Donegal.	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	
Antrim.	†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	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	—	—	—	
Wicklow.	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	
	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	—	—	—	—	—	—	—	
	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	
Limerick.	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	—	—	—	—	—	
	Foynes	9 9 9	43	56.4	(44.0)	(50.2)	(+0.4)	78	26	—	—	40.73	1034	+26	24	13 Dec.	222	167	—	—	—	—	—	—	—	—	—	—	—	—	
	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	—	—	318	
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	+0.3	81	28	—	—	29.70	754	-97	38	9 Nov.	191	137	1	0	3	1	4	—	—	4.89	-0.20	—	—	40	
GIBRALTAR																															
MALTA																															



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

[illegible]

\* Mean of hourly readings. † Pressure at Station Level. ‡ Mean pressure at Station Level is 970.0 mb. §§ Mean pressures at Station Level are 982.8 mb. at 7 hr., 982.8 mb. at 13 hr., 982.7 mb. at 18 hr., and 983.1 mb. at 21 hr.



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	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
															0	1	2	3				4	5	6													7
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., N. Riding. Catterick	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	
Yorks., N. Riding. Scarborough	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	0	13	349	4	69	17	17	22	88	33	64	52	
York ..	21	53	1013.0	—	47.7	2.2	9.8	83	5.8	84	59	24	57	142	—	—	—	—	—	—	—	—	—	1	1	9	348	8	56	25	29	31	79	29	79	30	
	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	
Yorks., E. Riding. Spurn Head	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	18	28	1012.1	—	49.3	1.8	10.9	88	7.5	4	43	66	142	111	1	11	3	10	6	9	87	178	61	0	3	205	146	12	38	37	37	63	50	36	54	39	
	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	
	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	
Norfolk. Yarmouth	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	
Cambridge. Cambridge	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	
	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	
Hertford. Rothamsted	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	56	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	
Essex. Shoeburyness	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	1	42	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	
	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., W. Riding. Harrogate	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	4	34	312	16	44	21	22	26	59	106	59	13
	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	
Warwick. Birmingham	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	
	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	
Oxford. Oxford	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	
Hereford. Ross-on-Wye	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	40	33	42	18	35	88	76	29	
	21	226	1013.3	—	48.2	2.2	10.1	83	6.4	31	79	39	104	113	0	8	13	13	18	46	104	68	88	8	0	47	294	25	37	35	39	16	42	97	62	13	
Gloucester. Cheltenham	9	230	1013.9	—	4																																



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	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
															0	1	2	3				4	5	6													7	8
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	27	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	20	
		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. Lympne	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	56	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	42	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	..	18	345	1014.0	—	50.0	2.8	10.4	80	6.7	26	67	37	149	87	0	5	4	7	14	32	112	75	102	15	0	122	240	4	45	57	26	27	43	89	49	26	
		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	
Kent. Tunbridge Wells		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	
		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	2	90	1	44	8	110	6	76	
		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	36	60	57	59	
Hampshire. Calshot	..	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		21	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	7.8	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	0	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	4					



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.

[illegible]

\* 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 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.	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.
0. SCOTLAND, N.					G. M. T.	ft.		° F.		° F.		° F.		° F.	
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	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	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	67	September 11, 12	56	February 4	30	February 5	12		
Ross and	Achnashellach ..	9	9	9	225	June 21	86	June 22, Sept. 12	60	—	—	—	—		
Cromarty.	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	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	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	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	78	June 20, Sept. 3, 12	58	January 15	36	February 4, 13	27		
Bute.	Rothsay ..	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 ..	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 ..	18—7	7	19	June 21	79	79	September 12	60	January 15, 19	25	February 13	16		
	(Abbotsinch) ..														
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.	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.	
	G.	M.	T.	ft.		° F.		° F.		° F.		° F.
<b>6b. ISLE OF MAN.</b>												
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
<b>2. ENGLAND, N.E.</b>												
Northumberland.	Berwick-on-T.	9	9	9	August 28	76	August 24, 25	62	January 15	30	February 13	19
	Bellingham ..	9	9	9	June 21	80	August 25	58	January 16	29	Jan. 20, Feb. 13	16
	Cockle Park ..	21	21	9	August 28	77	August 24	59	January 16	31	February 5	21
Durham.	Tynemouth ..	18	7	7	August 29	76	August 24, 25	63	January 17	31	January 19	25
	Chopwellwood ..	9	9	9	August 28	79	August 25	60	January 18	29	January 19	14
	Durham ..	21	21	9	August 29	79	August 24	60	January 16	31	February 13	15
Yorks., N. Riding.	Houghall ..	9	9	9	August 29	82	July 7, Sept. 3	59	Jan. 15, 16, Dec. 10	34	February 5	11
	Ushaw College ..	9	9	9	August 29	80	August 25	60	January 16	31	February 13	21
	Ampleforth ..	9	9	9	June 21, Aug. 29	76	June 21	60	November 24	28	January 19	12
Yorks., E. Riding.	Castleton ..	9	9	9	August 29	80	August 24	60	November 24	31	February 13	12
	Catterick ..	18	7	7	August 29	77	June 29	63	January 19	21	January 19	14
	Scarborough ..	9	9	9	August 25, 29	79	August 25	61	November 24	34	January 19	19
Lincoln.	York ..	21	21	9	June 21	81	August 24, 25	60	January 19	28	January 19	16
	Hull ..	21	21	9	August 29	81	August 24	65	January 19	29	February 13	20
	Spurn Head ..	18	7	7	August 29	82	August 25, 30, Sept. 11, 12, 25	60	December 8	34	January 19	27
Suffolk.	Cranwell ..	18	7	7	June 21	84	June 22, Sept. 25	59	November 24	30	January 19	18
	Cleethorpes ..	9	9	9	August 29	81	August 25	60	November 24	31	Jan. 19, 20, Feb. 13	22
	Skegness ..	9	9	9	August 24, 29	78	August 25	62	November 24	33	January 19	17
<b>3. ENGLAND, E.</b>												
Norfolk.	Cromer ..	9	9	9	June 21	81	August 18	62	February 10	34	January 19	23
	Hunstanton ..	9	9	9	June 21	86	June 22, 24, July 7, 18, August 18, 25, 30	60	Jan. 18, Feb. 10	35	January 19	23
	Norwich ..	9	9	9	June 21	85	August 18	62	February 10	32	February 12	18
Suffolk.	Sprowston ..	9	9	9	June 21	83	June 20	64	February 10	33	February 12, 13	18
	Terrington ..	9	9	9	June 21	88	June 20	61	February 10	33	Jan. 19, Feb. 13	21
	Thetford ..	9	9	9	June 21	88	June 20	61	February 10	33	February 13	10
Suffolk.	(Lynford Nursery)	9	9	9	June 21	88	June 20	61	February 10	33	February 13	10
	Yarmouth ..	18	7	7	August 24	78	August 18	63	February 10	33	Jan. 19, Feb. 13	25
	Bungay (Flix'n) ..	9	9	9	June 21, Aug. 29	82	August 18	62	Feb. 4, 10, 11, Dec. 7	34	Jan. 19, Feb. 12, 13	19
Cambridge.	Copdock ..	9	9	9	June 20	85	June 22	61	Feb. 10, Dec. 7	33	January 19	17
	Hartest ..	9	9	9	June 20	85	June 20, 21, 22	60	February 10	34	January 19	11
	Lowestoft ..	9	9	9	August 24	80	August 18, Sept. 25	62	February 10	34	January 19	22
Cambridge.	Mildenhall ..	18	7	7	June 20, 21	86	June 20	63	Feb. 16, Nov. 22	32	February 12	18
	Cambridge (Bot. Gardens)	21	21	9	June 20	86	June 20, 21, Aug. 18	61	January 17	34	January 19	16
	(Univ. Farm) ..	9	9	9	June 20	85	June 20, Aug. 18, September 25	60	November 22	33	January 19	15
Bedford.	Luton ..	9	9	9	June 20	83	June 21	62	February 11	31	January 19	14
	Woburn ..	9	9	9	June 20	83	August 18	60	November 24	31	January 19	15
	Hertford.	9	9	9	June 21	87	September 21	59	February 11	31	February 12	7
Essex.	Rickmansworth ..	9	9	9	June 20	82	June 20, 21	61	February 11	30	January 19	18
	Rothamsted ..	9	9	9	June 20	84	June 21	61	Feb. 11, Nov. 23	31	January 19	17
	St. Albans ..	9	9	9	June 20	84	June 21	61	Feb. 11, Nov. 23	31	January 19	17
Essex.	Clacton-on-Sea ..	9	9	9	August 25	78	June 21, Sept. 2	62	February 10	33	December 8	24
	Chelmsford ..	9	9	9	June 20	86	June 22	61	February 10, 11	34	February 12	17
	Chelmsford (Agr. St.)	9	9	9	June 20, 21	82	September 21	60	February 11	32	January 19	17
Essex.	Earls Colne ..	9	9	9	June 20	84	June 21, 22	61	February 10	33	January 19	14
	Halstead ..	9	9	9	June 20	85	June 20, 22, Aug. 18	61	February 10	34	January 19	14
	Shoeburyness ..	18	7	7	August 24, 30	80	July 5, Sept. 25	62	February 10, 16	34	January 19	21
<b>4. MIDLAND COUNTIES.</b>												
Yorks., W. Riding.	Askham Bryan ..	9	9	9	June 20	80	August 24, 25	(60)	November 22	31	January 19	10
	Bingley ..	9	9	9	June 21	79	August 24	58	February 13	29	January 19	17
	Bradford ..	9	9	9	June 21	80	August 24, 25	60	February 13	30	January 19	17
Leicester.	Doncaster ..	9	9	9	August 29	82	August 25	60	—	—	—	—
	Giggleswick ..	9	9	9	June 21	82	June 21	64	January 18	31	January 19	10
	Harrogate ..	9	9	9	June 21	79	August 24	61	February 13	30	February 13	19
Leicester.	Huddersfield ..	21	21	9	June 21	80	August 15, 25, 30	59	Feb. 13, Nov. 24	29	February 13	11
	(Oakes) ..	9	9	9	June 21	82	August 25, 30	59	Jan. 16, Feb. 13	30	February 12, 13	20
	Meltham ..	9	9	9	June 21	81	August 25, 30	60	Feb. 13, Nov. 24	30	February 12	14
Derby.	Pontefract ..	9	9	9	June 21, Aug. 29	77	July 7, Aug. 16, 25, 30	59	November 23, 24	30	January 19	13
	Wakefield ..	9	9	9	August 25, 29	81	July 7	60	November 23	29	January 19	14
	Belper (School) ..	9	9	9	June 21	84	June 22	59	November 23	31	January 19, 20	15
Nottingham.	Buxton ..	9	9	9	June 21	79	August 25	59	February 10, 13	29	February 13	12
	Attenborough ..	18	7	7	June 21	84	June 22, July 18, September 12, 25	60	Jan. 14, Dec. 9	28	January 19	11
Nottingham.	Mansfield ..	9	9	9	June 21	86	August 25	59	Jan. 16, Nov. 23, 24	32	February 12	19
	Nottingham ..	9	9	9	June 21	83	June 22	62	Nov. 24, Dec. 9	32	January 19	15
	Sutton Bon'gton ..	9	9	9	June 21	81	June 22, July 18	60	January 14	28	January 19	12
Leicester.	Worksop ..	9	9	9	June 21	83	July 1, 7, Aug. 15	59	November 24	30	January 19	9
	Belvoir Castle ..	21	21	9	June 21	83	June 22	62	Jan. 16, 17, Nov. 24	33	February 12	10
	Northampton.	9	9	9	June 21	85	June 22, July 7	61	November 24	30	January 19	16
Warwick.	Oundle ..	9	9	9	June 21	82	June 20, Aug. 25, September 12, 25	60	January 17	30	Jan. 19, Feb. 12, 13	24
	Birmingham ..	18	7	7	June 21	82	September 12, 25	60	January 17	30	Jan. 19, Feb. 12, 13	24
	Sparkhill ..	7	13	7	June 21	84	September 25	60	Jan. 16, Dec. 7	33	January 19	14
Oxford.	Coventry ..	9	9	9	June 21	83	June 20, 22	61	January 14	28	January 19	11
	Rugby ..	21	21	9	June 20, 21	82	June 21	59	January 17	34	January 19	13
	Stratford-on-Avon ..	9	9	9	June 21, 22	82	June 21, 22	60	January 13, 14	31	January 19	14
Bucks.	Oxford ..	9	9	9	June 20, Aug. 29	83	June 21	62	November 24	31	Jan. 19, Feb. 12, 13	21
	Halton ..	9	9	9	June 20	84	June 21	63	Feb. 11, Nov. 24	30	February 12	18
	Mursley ..	9	9	9	June 20, 21	82	June 21	60	November 24	30	February 12	19
Stafford.	Mayfield ..	9	9	9	June 21	82	June 22	60	November 23	31	January 19	9
	Newport ..	9	9	9	August 29	81	September 12	61	January 16	32	January 19	11
	Shrewsbury ..	9	9	9	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.		Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.			
4. MIDLAND COUNTIES—cont.			G.	M.	T.	ft.	° F.	° F.	° F.	° F.	° F.	° F.	° F.		
Worcester.	Malvern ..	..	9	9	9	380	June 20	83	June 21	63	February 11	28	February 12	22	
	Worcester ..	..	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	
Kent.	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
	Sussex.	Croydon ..	..	18	7	7	217	June 20	86	June 20, 21, Sept. 25	62	February 11	32	February 12, 13	19
		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	
Berkshire.		Lympne ..	..	18	7	7	346	June 19	83	June 21	65	February 11	32	February 12	22
		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	
	Ascot H'therw'd ..	..	21	21	9	300	June 20	83	June 21	61	February 11	31	February 12	21	
	Reading ..	..	9	9	9	152	June 20	86	June 21	62	February 11	32	February 12, 13	22	
Hampshire.	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	
	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	
	Isle of Wight.	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	
	Wilts.	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 ..		..	18	7	7	417	June 20, Aug. 29	83	June 19, 21	61	February 11	30	December 8	22	
(Boscombe Down) ..		..	..	..	..	..	..	..	..	..	..	..	..		
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 ..	..	9	9	9	35	June 21	84	Aug. 25, Sept. 12	61	January 16	32	January 19, 20	22	
	Cheshire.	(Bedford Rd. Pk.) ..	..	..	..	..	..	..	..	..	..	..	..		
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		

g Temperature from thermometers on a Glaisher stand.



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.
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	
Anglesey.	Sealand .. ..	18	7	7	16	June 20, 21	83	September 3, 12	61	January 19	31	January 19	14	
	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	
Pembroke.	Ciliau Aeron ..	9	9	9	252	June 20	82	September 2	61	January 16, 18	34	January 17	17	
	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	
Dorset.	Long Ashton ..	9	9	9	162	June 20	82	June 27	62	February 11	32	February 13	24	
	Holton Heath ..	9	9	9	64	August 29, 30	79	September 12	62	November 23	34	December 8	21	
Devon.	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	
	Shaftesbury ..	9	9	9	722	June 20, Aug. 25	79	June 21	63	February 11	30	February 8, 13	24	
Devon.	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	
Cornwall.	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	
Cornwall.	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	
Cornwall.	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	
Cornwall.	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	
Cornwall.	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	
Cornwall.	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	
Cornwall.	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. 22, March 4	34	
Cornwall.	Newquay .. ..	9	9	9	190	August 29	76	September 2	62	February 8	38	March 3, 4	31	
	Redruth .. ..	9	9	9	397	June 25	75	September 2	61	February 29	39	March 4, Nov. 27	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	
	Donaghadee ..	8	8	8	40	August 29	75	August 25	62	January 22	37	January 19	26	
Down.	Hillsborough ..	9	9	9	388	June 21, Aug. 29	74	August 24	61	January 18	30	January 19	22	
	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	
Dublin.	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	
Dublin.	Hazelhatch ..	9	9	9	366	August 29	(80)	August 24	(62)	January 20	35	January 13	21	
	(Peamount San.)													
Wicklow.	Rathfarnham ..	9	9	9	169	August 29	78	August 24	64	January 20	35	January 13	22	
	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.	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	
Cork.	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	8	10
Birmingham ..	12	16	2	1	0	8	9	6	6	0	11	13	7	0	0	4	10	5	6	5	2	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	2	0	6	5	10	1	8	1	5	7	9	9	2	7	5	6	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	7	8	5	10	2	7	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	5	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	4	12	0	7	7	11	5
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	5	8	6	6
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	7
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	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.	0 in. 0 or 0.1 mm.	0.01-0.04 in. 0.2-1.0 mm.	0.05-0.20 in. 1.1-5.0 mm.	0.21-0.40 in. 5.1-10.0 mm.	0.41-0.60 in. 10.1-15.0 mm.	0.61-0.80 in. 15.1-20.0 mm.	0.81-1.00 in. 20.1-25.0 mm.	> 1.00 in. 25 mm.
Kirkwall ..	145	56	114	38	6	4	2	1
Aberdeen ..	180	70	77	26	6	6	1	0
Cockle Park ..	178	72	72	21	13	6	4	0
Cambridge ..	204	60	64	24	8	1	4	1
Birmingham ..	177	43	93	32	13	5	1	2
Kew Observatory ..	198	51	81	22	10	3	1	0
Southampton ..	194	32	86	27	17	5	3	2
Rothsay ..	136	61	84	45	20	13	5	2
Renfrew (Abbotsinch) ..	157	63	73	43	18	5	2	5
Eskdalemuir ..	146	58	72	41	20	12	6	11
Douglas ..	162	44	80	38	22	5	8	7
Southport ..	179	58	69	38	14	4	4	0
Stonyhurst ..	152	63	73	45	12	10	9	2
Holyhead ..	158	64	83	28	23	3	4	3
Falmouth ..	157	45	89	37	19	10	7	2
Markree Castle ..	121	62	109	43	25	3	3	0
Armagh ..	159	64	82	38	14	5	1	3
Dublin (Phoenix Pk.) ..	155	75	95	24	6	9	1	1
Birr Castle ..	154	71	89	27	15	9	0	1
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.

July.					August.					September.					October.					November.					December.					Year.					STATION.
Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	Λ						
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	7	6	9	5	4	6	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	11	6	10	2	2	5	9	7	8	3	16	6	4	1	5	14	8	3	1	12	13	3	2	0	14	9	3	5	0	69	130	74	58	35	Kew Observatory.
2	13	6	5	5	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	6	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	14	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	9	7	5	7	2	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	12	3	4	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	8	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	13	3	7	5	9	6	3	10	8	0	9	13	6	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	9	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	3	4	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.			
Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Max.	Date.	Min.	Date.	Max.	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, 27	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, 21, 22, 23, 10	61	1, 3, 4	55	6	55	24	59	30	52	3	57	27	45	22	50	25, 26, 27	41	12	41	7	33	20, 21	46	Jan. 16	31	Aug. 24	59	Cockle Park.	
	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		57	9	59	30	59	26, 28	56	3	61	25	49	15, 17	56	23	43	2	51	28	41	3, 18, 20, 21	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. 22 Feb. 22 }	42	Sept. 2	63	Falmouth.	
27, 31																													
24	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 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°.
Kirkwall ..	0	48	145	105	65	3	0	0	0	0	1	28	159	103	75	0	Douglas ..	0	25	122	117	91	11	0	0	0	0	0	20	129	117	97	3
Aberdeen ..	0	57	129	93	75	12	0	0	0	0	4	50	137	104	71	0	Southport ..	1	35	96	98	110	22	4	0	0	0	4	41	120	107	90	4
Cockle Park	1	55	100	99	93	18	0	0	0	0	6	77	139	91	53	0	Stonyhurst ..	3	50	98	93	100	21	1	0	0	0	9	47	117	104	86	3
Cambridge ..	0	40	87	92	81	59	7	0	0	0	7	57	115	101	81	5	Holyhead ..	0	13	124	122	100	7	0	0	0	0	0	6	81	161	115	3
																	Falmouth ..	0	0	91	136	114	25	0	0	0	0	0	1	87	152	120	6
Birmingham	5	48	94	89	94	32	4	0	0	0	0	50	118	98	96	4	Markree Castle	0	14	111	105	116	20	0	0	0	0	2	67	128	96	71	2
Kew Obs. ..	2	34	93	87	95	46	9	0	0	0	3	44	102	111	98	8	Armagh ..	0	28	106	106	79	46	1	0	0	0	2	62	119	111	70	2
Rouhampton	0	21	94	107	98	39	7	0	0	0	0	41	107	114	99	5	Dublin ..	0	23	105	106	97	34	1	0	0	0	6	49	130	114	65	2
Rothsay ..	0	32	119	110	93	12	0	0	0	0	0	24	141	122	79	0	(Phoenix Pk.)																
Abbotsinch..	4	53	91	89	101	26	2	0	0	0	12	63	119	101	70	1	Birr Castle ..	0	28	97	99	108	31	3	0	0	0	1	58	118	112	73	4
Eskdalemuir	8	77	86	97	84	13	1	0	0	4	29	87	129	73	44	0	Valentia Obs.	0	1	105	143	112	5	0	0	0	0	0	6	95	146	114	5



## 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.†	
0. 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)	
Bell Rock ..	D †	1929	1930	130	—	126	Instrument is installed on Lighthouse top. (See <i>Met. Mag.</i> , 1929, p. 177).
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	
Spurn Head ..	D	1913	1914	64	42	34	
Cranwell ..	D †	1927	1921	284	43	33	New instrument with 1 inch pipes installed 15th October, 1933. Type A in action, 1916-1927.
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. Type A to 1930. Not in operation during 1936.
Felixstowe ..	D †	1925	1925	65	50	40	
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. Type R in action 1868-1929; type d 1896-1914.
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.) Vane 32 feet above pier floor (see note p. 191); instrument was on another site 1908 to 1918.
Dover ..	d	1923	1924	66	66	60	
Lympne ..	D †	1922	1922	418	76	48	New instrument June, 1930. Vane erected 76 feet above ground to minimise obstructional effect of trees (20 to 30 feet high) to W. and of hangars (40 feet high) to N.E. Type A in action 1917-April, 1929.
Calshot ..	D †	1917	1920	58	50	42	
Boscombe Down	D †	1932	1933	462	45	33	Type D, from April, 1930. Until August, 1928, type A in operation on a different site. (See Table X, 1929).
Larkhill (Salisbury Plain)	D	1930	1930	491	51	36	
7a. ENGLAND, N.W.							
Fleetwood ..	D	1923	1923	112	50	31	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.
Manchester (Barton)	D †	1934	1934	153	83	80	
Southport ..	D †	1897	1909	60	42	33	Prior to 16th January, 1933, the instrument was at a height of 59 feet above ground.
Liverpool (Bidston)	D	1928	1929	262	64	39	
7b. N. WALES.							
Holyhead ..	R †	1870	1909	50	25	—	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.
" ..	D †	1920	1920	68	43	35	
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. Type A, in operation 1924-February, 1927.
8b. ENGLAND, S.W.							
Moretonhampst'd	D	1935	1936	838	40	35	The position of the observatory at Falmouth was changed in May, 1885.
Plymouth ..	d †	1908	1909	185	88	65	
Falmouth ..	R †	1868	1909	208	41	—	New instrument installed August, 1929. Type d in operation 1902-1924 and during 1927.
The Lizard ..	D †	1935	1935	315	75	60	
Pendennis Castle	D †	1902	1909	256	65	42	
9. IRELAND, N.							
Dunfanaghy ..	d	1926	1927	180	47	30	
Aldergrove ..	D †	1927	1927	282	40	20	
Armagh ..	R †	1868	1909	246	50	—	
10. IRELAND, S.							
Kingstown ..	R †	1900	1909	49	27	27	A Robinson cup-anemograph of the original pattern was in operation at Kingstown from 1856 to 1895.
Quilty ..	d	1911	1911	100	40	32	
Valentia Obsy.	R †	1868	1909	75	45	—	Prior to March, 1892, the site of the Observatory was on Valentia Island. New instrument, type D, in use from January, 1932.
" ..	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.	Average.¶								°	mph	m/s.		month.	day.	h. m.
0. Lerwick ..	42	342	244	183	1,751	3,593	2,622	445	31	240	62	28		94	42	Dec. 18	02 25
Kirkwall ..	14	45	51	124	1,044	3,977	3,125	571	22	200	49	22		81	36	Dec. 18	02 50
1. Aberdeen ..	1	2	3	21	76	1,458	4,762	2,486	0	290	39	18		77	34	Oct. 27	04 40
Bell Rock ..	46	303	261	195	1,670	3,840	2,311	651	9	250	67	30		99	44	Dec. 4	02 20
Edinburgh ..	11	46	21	38	234	1,783	4,136	2,244	341	190	55	25		85	38	Dec. 16	01 25
2. Tiree ..	19	121	111	102	904	3,398	3,375	936	50	290	67	30		104	47	Oct. 26	20 40
Paisley ..	2	2	0.6	21	67	1,109	4,887	2,719	0	250	40	18		95	43	Oct. 27	00 55
Abbotsinch ..	4	16	9	40	173	1,644	4,027	2,924	0	260	56	25		89	40	Dec. 4	00 55
3. Eskdalemuir ..	13	40	40	83	508	2,348	3,806	2,082	0	230	50	22		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		90	40	Dec. 6	00 40
2. South Shields ..	4	8	14	66	440	2,560	4,261	1,508	7	360	42	19		72	32	Oct. 27	00 35
Catterick ..	1	2	3	22	88	1,242	4,541	2,911	0	250	49	22		88	39	Jan. 9	22 10
Spurn Head ..	16	67	51	117	845	4,134	3,228	472	38	350	53	24		75	33	Nov. 17	21 30
Cranwell ..	1	3	3	36	154	2,296	4,885	1,410	36	210	40	18		69	31	Jan. 9	19 25
3. Gorleston ..	2	26	13	54	297	2,510	4,792	1,110	49	360	45	20		65	29	Nov. 18	06 10
Mildenhall ..	0	0	0	16	74	1,826	5,243	1,633	8	170	35	16		66	29	Oct. 26	23 25
Cardington ..	10	49	36	69	497	3,934	4,189	1,015	0	210	51	23		82	37	Jan. 9	18 40
Shoeburyness ..	7	50	21	98	631	3,697	3,950	418	38	190	50	22		68	30	Dec. 14	14 45
4. Birmingham ..	0	0	0.5	22	114	2,246	5,548	876	0	220	35	16		66	29	Jan. 9	18 10
5. London (S. Kens.)	0	0	0	3	7	1,000	6,351	1,414	12	210	70	26		61	27	Dec. 14	16 05
Kew Observatory	0	0	0.1	15	76	1,632	5,225	1,851	0	210	35	16		72	32	Dec. 14	12 30
Croydon ..	2	2	4	41	281	3,024	4,172	1,305	0	190	40	18		69	31	Jan. 9	18 30
Dover ..	2	21	19	83	499	3,302	4,055	841	66	—	43	19		69	31	Nov. 9	01 25
Lympne ..	6	16	16	68	412	2,787	4,914	655	0	210	44	20		82	37	Nov. 9	03 55
Calshot ..	9	40	23	73	400	2,911	4,545	888	0	200	49	22		72	32	Dec. 14	14 50
Boscombe Down	2	8	4	40	188	2,004	5,052	1,532	0	190	44	20		71	32	Jan. 9	17 40
Larkhill ..	4	16	11	62	353	2,880	4,623	912	0	240	43	19		70	31	Nov. 9	01 10
7a. Fleetwood ..	15	103	79	82	598	3,120	4,065	898	0	300	57	25		89	40	Dec. 6	02 20
Manchester ..	7	23	38	69	381	2,666	3,948	1,741	25	240	53	24		88	39	Jan. 9	20 35
Southport ..	17	92	105	86	746	3,038	4,213	695	0	290	57	25		89	40	Jan. 9	20 50
Liverpool ..	16	85	56	72	649	3,398	3,570	816	266	300	58	26		92	41	Jan. 9	19 50
7b. Holyhead ..	23	122	92	108	880	3,611	3,232	931	8	300	54	24		83	37	Dec. 6	02 20
Sealand ..	5	16	8	45	266	2,245	4,597	1,657	3	220	46	21		80	36	Jan. 9	19 40
8b. Moretonhampstead	1	5	5	40	257	2,127	4,552	1,812	31	220	46	21		82	37	Jan. 9	16 40
Plymouth ..	15	68	49	69	471	2,532	3,974	1,648	91	—	53	24		71	32	Feb. 10	19 50
Lizard ..	30	228	227	159	1,497	3,843	2,657	537	22	100	64	29		91	41	Jan. 9	15 55
Pendennis Castle	32	240	269	149	1,253	3,223	3,169	818	81	70	67	30		90	40	Feb. 10	18 10
9. Dunfanaghy Road	14	52	62	63	431	1,427	2,226	4,434	214	—	49	22		81	36	Dec. 16	03 15
Aldergrove ..	0	0	0.9	37	192	2,193	4,708	1,691	0	90	36	16		71	32	Oct. 27	03 35
10. Kingstown ..	18	60	60	146	1,106	3,237	3,459	897	25	240	62	27		—	—	—	—
Quilty ..	10	43	44	94	843	3,277	3,562	1,025	34	—	50	22		68	30	Feb. 10	16 10
Valentia ..	4	18	16	80	507	3,323	3,668	1,208	0	100	50	23		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		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 XIA [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	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	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	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	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	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	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	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	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	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	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	1	3	2	5	14	19
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
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
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
Kew .. ..	42	24	2	10	13	7	20	1	15	34	43	59	270	5	2	0	0	0	0	0	0	0	1	10	18	18
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
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
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
Boscombe Down .. ..	62	35	0	8	1	3	26	0	35	53	36	90	349	8	0	0	0	0	0	0	0	4	3	5	18	38
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
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
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
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
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
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
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
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
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
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
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
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

† 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 XIIB. (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	1	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	0	1	6	8	14	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	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	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	0	1	0	4	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	0	1	3	0	1	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	0	1	2	7	20	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	0	1	2	8	2	0	2	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	0	3	2	6	10	6	2	9	5	1	6	1	3	8	9	8	68
Calshot .. ..	1	2	0	0	0	0	1	0	0	0	1	4	9	14	12	3	5	1	1	8	3	4	6	6	10	73
Boscombe Down .. ..	1	0	0	0	0	0	0	0	0	0	1	2	12	12	3	0	0	0	1	0	4	5	5	10	40	40
Larkhill .. ..	1	0	0	0	0	0	0	0	0	1	1	1	4	12	5	0	5	2	0	2	0	5	9	9	13	62
7a. Fleetwood .. ..	2	0	0	0	0	0	0	0	1	7	1	4	15	11	7	1	3	1	3	6	7	6	14	10	13	82
Manchester (Barton) .. ..	3	1	0	0	0	0	0	0	0	2	0	1	7	8	6	5	4	2	3	3	3	2	10	10	13	69
Southport .. ..	3	0	0	0	0	0	0	0	2	7	2	3	17	8	4	7	5	1	4	9	4	5	11	13	15	86
Liverpool .. ..	2	2	0	0	0	0	0	0	0	5	2	5	16	7	8	4	3	1	1	5	3	3	11	10	16	72
7b. Holyhead .. ..	5	1	0	0	0	0	0	0	1	5	3	8	23	12	12	9	8	7	4	2	3	6	14	12	19	108
Sealand .. ..	1	0	0	0	0	0	0	0	0	1	1	2	5	5	4	1	0	1	2	2	2	3	10	6	9	45
8b. Moretonhampstead .. ..	1	0	0	0	0	0	0	0	0	0	0	0	1	9	7	0	0	0	0	0	0	2	4	7	11	40
Plymouth .. ..	4	3	0	0	0	0	0	0	0	0	4	4	15	14	12	4	6	0	0	4	0	3	4	8	14	69
The Lizard .. ..	6	6	0	2	0	0	1	0	1	1	6	7	30	26	20	12	14	5	5	9	5	8	18	17	20	159
Pendennis Castle .. ..	5	9	1	2	0	0	1	0	1	0	6	7	32	22	19	11	14	7	7	11	5	7	15	13	18	149
9. Dunfanaghy Road .. ..	1	0	0	0	0	0	0	0	0	5	0	8	14	3	3	4	4	0	1	4	4	4	11	7	18	63
Aldergrove .. ..	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	2	2	1	0	2	0	0	5	4	13	37
10. Kingstown .. ..	3	2	1	0	0	0	0	0	2	1	5	4	18	15	18	12	10	6	6	11	5	10	19	13	21	146
Quilty .. ..	1	2	0	0	0	0	1	0	0	1	2	3	10	11	17	6	4	0	3	4	1	7	13	11	17	94
Valentia Obsy. .. ..	1	2	0	0	0	0	0	0	0	0	0	1	4	7	15	8	6	4	2	3	1	2	10	6	16	80
Cork .. ..	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	2	0	0	0	1	2	11
11. St. Mary's .. ..	6	5	0	2	0	0	0	0	2	3	5	6	29	27	27	14	18	9	9	12	6	10	16	15	22	185



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	mi/hr. 48	m/s. 21	hr. m. 23 25	mi/hr. 67	m/s. 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.
	" 27th	1	300	48	21	00	05	76	34	17h. on 26th to 4h. on 27th; 9h. on 27th; 18h. on 27th.
	December 3rd	24	250	55	25	22	35	91	41	19h. on 3rd to 10h. on 4th.
	" 4th	2	270	58	26	01	15	85	38	19h. on 3rd to 10h. on 4th.
	" 6th	3	340	50	22	02	40	75	33	3h. to 13h. on 6th.
	" 15th	22	180	51	23	21	45	77	34	19h. on 15th to 11h. on 16th.
	" 16th	4	220	62	28	03	55	92	41	19h. on 15th to 11h. on 16th; 16h. to 20h. on 16th.
	" 17th	21	220	56	25	20	35	95	43	11h. on 17th; 18h. on 17th to 1h. on 18th.
	" 19th	24	220	48	21	23	15	73	33	17h. on 19th to 6h. on 20th.
	" 20th	1	220	48	21	00	45	73	33	17h. on 19th to 6h. on 20th.
Abbotsinch ..	October 26th	21	260	56	25	21	05	88	39	20h. to 23h. on 26th.
	December 4th	2	260	51	23	00	55	89	40	1h. to 7h. on 4th.
Eskdalemuir ..	January 9th	24	230	50	22	22	40	81	36	23h. on 9th to 1h. on 10th.
	" 10th	1	240	47	21	00	20	74	33	23h. on 9th to 1h. on 10th.
	December 16th	2	190	47	21	01	30	74	33	1h. to 2h. on 16th.
6b. Point of Ayre	January 9th	21	260	55	25	21	55	85	38	20h. to 24h. on 9th.
	February 10th	13	150	47	21	21	15	64	29	3h. to 4h. on 10th; 8h. on 10th to 2h. on 11th.
	October 26th	23	290	52	23	22	15	83	37	18h. on 26th to 12h. on 27th.
	" 27th	6	310	49	22	05	40	79	35	18h. on 26th to 12h. on 27th; 14h. on 27th; 17h. on 27th to 1h. on 28th.
	December 4th	6	310	48	21	05	15	69	31	24h. on 3rd to 9h. on 4th.
	" 5th	24	300	52	23	23	25	76	34	14h. on 5th to 1h. on 6th.
	" 6th	7	350	49	22	00	40	90	40	14h. on 5th to 1h. on 6th; 4h. to 16h. on 6th.
	" 13th	22	220	49	22	21	40	73	33	18h. to 23h. on 13th.
" 15th	23	220	50	22	22	40	77	34	22h. on 15th to 1h. on 16th.	
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.
	" 18th	1	(10)	48	21	00	40	66	29	20h. on 17th to 7h. on 18th.
	December 13th	24	170	47	21	21	50	65	29	22h. on 13th to 7h. on 14th.
	" 14th	4	180	48	21	03	20	68	30	22h. on 13th to 7h. on 14th; 9h. to 10h. on 14th; 13h. on 14th; 15h. to 16h. on 14th.
3. Cardington ..	January 9th	20	210	51	23	18	40	82	37	17h. on 9th to 5h. on 10th.
	December 14th	2	180	48	21	15	45	65	29	22h. on 13th to 17h. on 14th.
Shoeburyness	January 9th	19	200	48	21	18	25	65	29	18h. to 20h. on 9th.
	February 10th	13	90	48	21	11	55	59	26	6h. on 10th to 1h. on 11th.
	December 14th	15	190	50	22	14	45	68	30	1h. to 21h. on 14th.
5. Calshot ..	January 9th	18	200	49	22	16	30	71	32	16h. to 19h. on 9th.
	December 14th	15	170	49	22	14	50	72	32	23h. on 13th to 17h. on 14th.
7a. Fleetwood ..	October 18th	1	300	47	21	00	30	65	29	21h. on 17th to 9h. on 18th.
	" 19th	13	360	50	22	12	40	68	30	8h. to 15h. on 19th; 19h. on 19th.
	" 26th	23	290	54	24	22	45	85	38	19h. on 26th to 2h. on 28th.
	" 27th	3	300	57	25	05	25	81	36	19h. on 26th to 2h. on 28th.
	November 30th	21	320	49	22	23	20	73	33	17h. on 30th to 6h. on 1st. Dec.
	December 4th	7	310	53	24	06	20	70	31	5h. to 14h. on 4th.
	December 6th	2	290	55	25	02	20	89	40	15h. on 5th to 4h. on 6th; 9h. to 11h. on 6th.
	December 6th	2	290	55	25	02	20	89	40	15h. on 5th to 4h. on 6th; 9h. to 11h. on 6th.
Manchester ..	January 9th	21	240	53	24	20	35	88	39	19h. on 9th to 5h. on 10th.
	" 11th	3	290	47	21	02	20	67	30	3h. on 11th.
Southport ..	January 9th	21	230	55	25	20	50	89	40	20h. to 24h. on 9th.
	October 26th	22	270	54	24	21	10	80	36	18h. on 26th to 13h. on 27th.
	" 27th	1	280	55	25	19	05	78	35	18h. on 26th to 13h. on 27th; 17h. to 18h. on 27th; 20h. on 27th to 2h. on 28th.
	December 6th	2	290	57	25	01	05	76	34	18h. on 5th to 3h. on 6th; 9h. to 15h. on 6th.



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.			
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	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	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	62	27	—	—	—		19h. to 21h. on 9th.
	" 10th	{ 20	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.
6a	Tiree	.. ..	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.
6b	Point 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.
7a	Fleetwood	.. ..	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.
7b	Holyhead	.. ..	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.
8b	Moretonhampstead	.. ..	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	m/s.	m.p.h.	m/s.	m.p.h.
Kirkwall .. 1930	28	27	30	24	25	21	21	24	23	39	35	36	28	66	43	95
1. Aberdeen .. 1912	25	21	21	22	17	16	22	24	18	34	29	31	23	52	37	82
Bell Rock .. 1930	35	25	30	23	21	18	23	20	27	42	29	44	28	63	45	101
Edinburgh .. 1915	29	17	20	22	16	17	18	17	15	32	25	38	22	50	38	85
6a. Tiree .. 1927	25	25	24	23	21	20	17	17	17	47	34	43	26	58	48	108
Paisley .. 1914	32	22	21	23	18	17	23	22	15	43	27	38	25	56	47	104
Abbotsinch .. 1934	30	21	21	23	19	18	21	21	19	39	33	40	25	57	41	92
Eskdalemuir .. 1912	36	26	25	22	23	21	26	18	20	39	28	34	27	59	40	90
6b. Point of Ayre 1936	38	29	23	21	19	20	25	20	22	37	31	40	27	61	40	90
2. South Shields 1912	27	24	24	23	23	25	19	22	23	32	27	29	25	55	39	87
Catterick .. 1932	39	21	22	20	18	18	22	21	22	36	29	30	25	55	39	88
Spurn Head .. 1913	29	26	18	24	23	21	23	21	29	33	33	30	26	58	38	84
Cranwell .. 1921	31	21	18	22	18	19	21	17	24	28	23	27	22	50	36	80
3. Gorleston .. 1912	25	22	16	21	22	21	24	16	24	25	29	29	23	51	35	77
Mildenhall .. 1936	28	23	17	22	22	20	21	18	27	29	27	28	23	53	29	66
Cardington .. 1932	37	25	19	21	20	18	26	19	26	29	28	29	25	55	39	88
Shoeburyness 1912	29	26	18	24	19	23	22	19	27	25	27	30	24	54	37	83
4. Birmingham 1924	29	27	17	17	17	18	20	17	24	27	21	27	22	49	35	78
5. London .. 1930	25	26	17	19	18	18	23	18	24	23	21	27	22	48	31	70
Kew .. 1912	27	26	20	19	21	19	23	19	24	25	25	32	23	52	32	72
Croydon .. 1922	31	26	19	22	21	19	24	17	24	26	29	30	24	54	36	81
Dover .. 1924	29	23	—	21	21	21	21	19	22	22	31	29	23	53	32	72
Lympe .. 1923	31	23	21	25	23	23	25	20	23	24	37	30	25	57	37	82
Calshot .. 1921	32	26	19	23	17	25	26	20	23	25	31	32	25	56	36	81
Boscombe Down 1933	32	23	17	20	17	18	24	17	27	25	27	29	23	51	32	72
Larkhill .. 1921	31	23	16	20	19	18	28	18	—	30	31	30	24	54	36	80
7a. Fleetwood .. 1924	39	22	20	19	19	21	25	23	25	38	33	40	27	60	40	89
Manchester .. 1934	39	27	20	21	18	21	23	24	26	33	25	30	26	57	39	88
Southport .. 1912	40	25	22	21	18	21	22	21	28	36	30	34	27	59	43	96
Liverpool .. 1929	41	28	23	22	19	25	25	24	29	39	31	37	29	64	41	92
7b. Holyhead .. 1912	36	29	24	22	20	20	29	20	29	37	29	37	28	62	39	86
Sealand .. 1925	36	23	18	19	17	27	20	20	25	32	27	30	25	55	39	88
8b. Moreton-hampstead 1936	37	32	20	20	17	18	23	21	26	28	32	30	25	57	37	82
Plymouth .. 1912	30	32	21	24	17	16	21	16	21	25	30	31	24	53	43	96
The Lizard .. 1935	41	37	22	26	23	21	25	21	29	28	39	33	29	64	41	92
Pendennis Castle 1912	38	40	24	26	21	20	28	21	27	29	37	34	29	64	46	103
9. Dunfanaghy Rd. 1927	32	23	25	26	16	17	25	21	26	35	29	36	26	58	49	109
Aldergrove .. 1927	27	31	20	23	21	17	22	17	21	32	25	29	24	53	38	84
10. Quilty .. 1912	29	30	19	21	16	17	24	15	24	27	25	28	23	51	> 50*	> 111*
Valentia .. 1917	33	41	26	24	26	22	27	19	23	34	33	33	28	63	43	96
Cork .. 1934	24	28	18	16	17	14	26	12	19	22	22	25	20	45	31	69
11. St. Mary's .. 1912	38	39	28	25	21	20	22	20	30	27	34	29	28	62	49	111

† 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 ..	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.
" 11th ..	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
" 18th ..	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
" 25th ..	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
February 1st ..	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
" 8th ..	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
" 15th ..	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
" 22nd ..	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
" 29th ..	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
March 7th ..	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
" 14th ..	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
" 21st ..	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
" 28th ..	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
April 4th ..	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
" 11th ..	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
" 18th ..	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
" 25th ..	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
May 2nd ..	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
" 9th ..	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
" 16th ..	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
" 23rd ..	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
" 30th ..	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
June 6th ..	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
" 13th ..	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	5.3	3.1
" 20th ..	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
" 27th ..	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	1.5	2.8	4.1	1.8	2.2	3.0	3.7	2.2	2.8	4.1	2.3	1.5	3.2	1.9



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/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m.p.h.	
0.	Lerwick .. D	23	21	21	20	14	16	14	16	15	26	25	28	20	45
	Kirkwall .. D	20	17	17	14	17	14	13	13	15	21	18	22	17	37
1.	§Aberdeen .. R	12	10	9	11	9	7	9	11	8	18	13	16	11	25
	Bell Rock .. D	26	19	22	18	16	15	16	17	21	30	21	29	21	47
	Edinburgh .. D	18	11	13	13	10	9	12	10	9	19	16	25	14	31
6a.	Tiree .. D	16	17	16	17	16	13	13	12	12	30	20	28	17	39
	Paisley .. D	14	10	10	12	9	8	9	10	8	18	11	16	11	25
	Abbotsinch .. D	19	13	13	13	10	10	10	11	9	25	14	23	14	32
	Eskdalemuir .. D	22	15	15	15	12	13	17	13	12	19	16	21	16	35
6b.	Point of Ayre .. D	25	21	16	17	13	12	16	14	16	23	20	23	18	40
2.	South Shields .. D	17	17	17	15	14	19	13	13	13	17	18	16	16	35
	Catterick .. D	22	10	13	10	10	10	11	10	11	16	14	16	13	28
	Spurn Head .. D	20	17	13	14	15	17	15	15	20	21	24	21	18	40
	Cranwell .. D	18	13	11	10	11	10	11	9	14	15	12	16	13	28
	Gorleston .. D	17	16	11	13	13	13	15	10	16	13	20	20	15	33
3.	Mildenhall .. D	16	10	9	10	10	9	10	9	15	15	14	14	12	26
	Cardington .. D	23	17	13	13	13	12	17	13	16	18	20	21	16	36
	Shoeburyness .. D	21	22	13	18	14	14	17	13	15	15	18	22	17	38
4.	Birmingham .. D	16	15	10	11	9	10	10	9	11	15	12	15	12	27
5.	London .. D	12	12	7	9	8	7	9	7	11	9	9	11	9	21
	Kew .. D	16	15	9	10	10	10	12	8	11	11	13	15	12	26
	Croydon .. D	18	15	10	12	10	12	14	10	15	15	16	18	14	31
	Dover .. d	17	18	—	16	13	12	13	12	15	14	17	19	15	34
	Lympne .. D	20	16	14	17	15	13	14	11	13	15	19	18	15	34
	Calshot .. D	22	20	12	16	12	14	18	13	13	16	19	22	16	37
	Boscombe Down .. D	18	13	10	11	10	10	14	9	15	14	15	20	13	30
	Larkhill .. D	18	15	11	13	13	11	15	10	17	17	19	19	15	33
7a.	Fleetwood .. D	21	13	11	13	13	14	14	16	18	25	22	25	17	38
	Manchester .. D	24	18	13	13	11	13	14	15	16	21	15	18	16	36
	Southport .. D	25	16	13	13	12	14	14	14	19	25	18	25	17	39
	Liverpool .. D	25	18	13	13	12	16	15	15	17	25	21	26	18	40
7b.	Holyhead .. D	20	20	17	14	14	13	16	13	20	24	19	24	18	40
	Sealand .. D	21	16	11	11	12	13	13	13	15	21	17	20	15	34
8b.	Moretonhampstead .. D	21	16	11	11	9	9	11	9	13	15	17	17	13	30
	Plymouth .. d	24	20	17	14	10	9	17	9	16	14	20	22	16	36
	The Lizard .. D	26	29	15	19	16	14	18	14	21	18	25	24	20	45
	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
9.	Dunfanaghy Road .. d	18	16	13	15	8	11	15	15	17	22	16	21	16	35
	Aldergrove .. D	16	16	12	12	11	8	12	9	11	16	13	16	13	28
	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
	Valentia .. D	20	23	14	15	15	14	15	11	13	14	16	18	15	35
	Cork .. d	14	15	9	8	9	7	12	7	10	11	11	15	11	24
11.	St. Mary's .. D	26	27	17	18	15	15	16	14	21	18	25	20	19	43

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.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	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	3	3	0	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.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	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.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	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	1	2	0	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	0	1	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	1	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.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	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	0	3	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	1	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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