M.O. 412

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AIR MINISTRY

METEOROLOGICAL OFFICE

THE MONTHLY WEATHER REPORT

FOR THE YEAR 1937

PUBLISHED BY THE
AUTHORITY OF THE METEOROLOGICAL
COMMITTEE

LONDON
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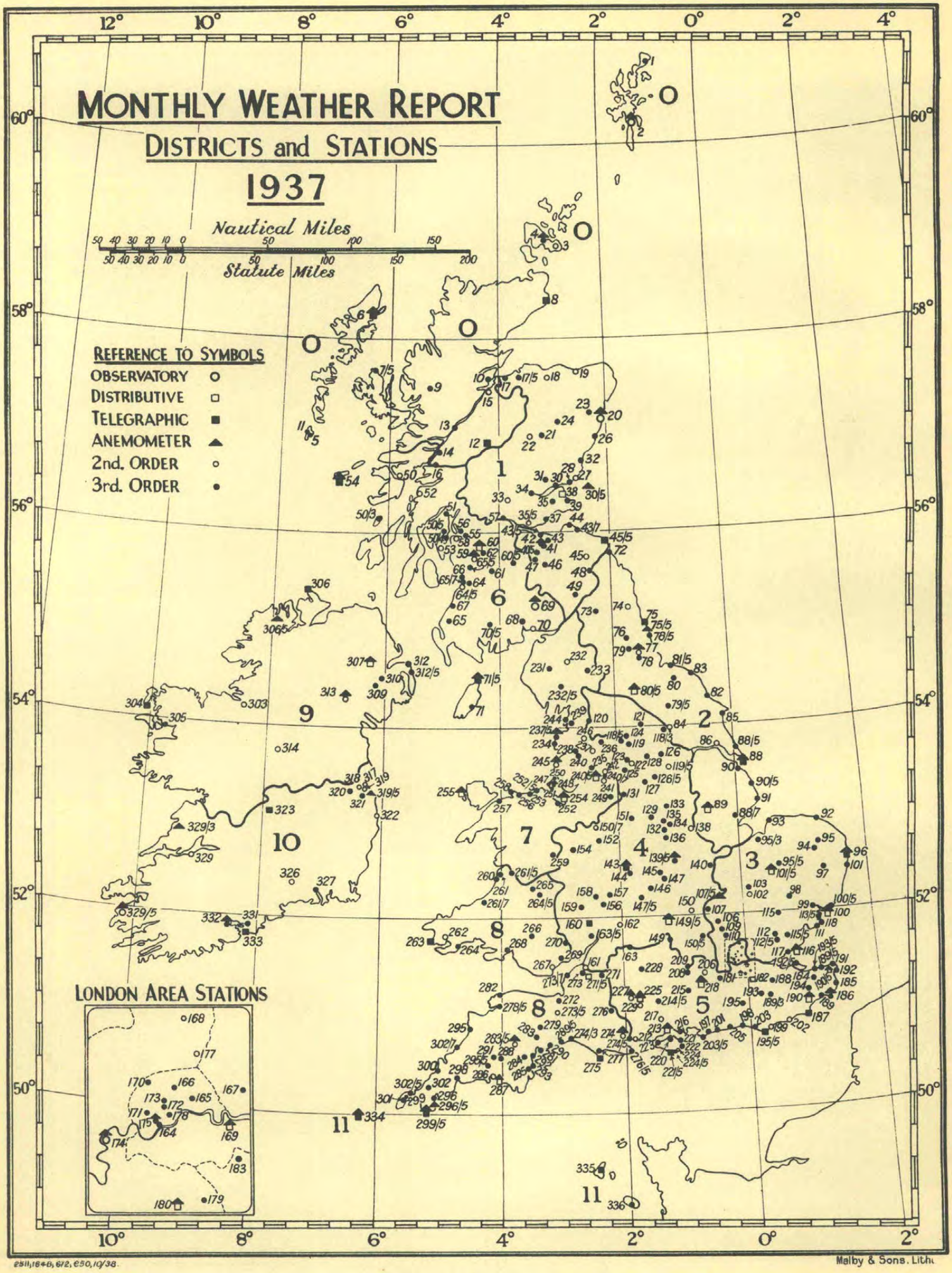

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PREFACE

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 1937

In this Report unweighted averages of air-temperature and duration of sunshine for periods up to 30 years ending 1935 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. 407) and *Averages of Bright Sunshine* (M.O. 408) which contain the monthly and annual averages for all stations. As from January, 1937, percentages of average are given for rainfall and sunshine, instead of differences from average, in Table III. In Table IV, two columns giving the number of observations of wind force 4–5 and 6–7 replace the single column giving the number of observations of force 4–7.

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 " : *Annual Supplement*	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 earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the " district value " stations. 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. The method of computation is explained in the " Notes on Tables I to IV " printed with each monthly issue.

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 2,000 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 or percentages of 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.

o (375)18764(16309) Wt 164—672 950 10/38 E & S (Item 9)

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 4–5 and 6–7 on the Beaufort Scale (from 1937), 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 numbers 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, 1937

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

Tiree.—Adopted as a district value station from January, 1937. The averages of temperature and sunshine refer to the period 1927–1936.

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. 192. The positions of the stations are shown in the Frontispiece.

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 some of these cases at 4 h. (4 a.m.), 10 h. (10 a.m.), 16 h. (4 p.m.) and 22 h. (10 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.

d. Daily Weather Report. Abridged return.

W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature.

w. Weekly Weather Report. Sunshine only.

W^1. Registrar-General's Weekly Summary.

M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather); and Table IV (Pressure, humidity, &c.)

m. Monthly Weather Report. Table III, not Table IV.

μ. Monthly Weather Report. Wind velocity.

m_0. Monthly 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.

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 1935. 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 1935 (M.O. 407).

(2) Averages of Bright Sunshine for the British Isles for periods ending 1935 (M.O. 408).

Standards of Time

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

In 1937 the period adopted was from April 18 to October 2. 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 mean temperatures of the seas round the British Isles for the months of the year 1937 are shown by figures within circles on the maps in the monthly issues of this report. In general the values are derived from readings of ships under way, or from light vessels.

LIST OF STATIONS

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
Aber (University Coll. Farm)	257	7	Carnarvon	53 14	4 1W.	III C.W.	m.	—	—	Prof. R. G. White.
Aberdeen (Observatory)	20	1	Aberdeen	57 10	2 6W.	I	D,W,W¹,M,O,μ.	30	30	Assistant-in-Charge (M.O.).
Aberystwyth	260	8	Cardigan	52 25	4 4W.	III H.	d,m.	25	25	The Town Clerk.
Aberystwyth, P.B.S.	261	8	Cardigan	52 25	4 3W.	III C.W.	m.	—	—	Prof. R. G. Stapledon, M.A., Plant Breeding Station.
Achnashellach	9	0	Ross and Cromarty	57 29	5 16W.	III	m.	—	—	The Forester-in-Charge, for Forestry Commission (Scotland).
Addington (Hills Res.)	179	5	Surrey	51 22	0 4W.	III	m.	30	—	Borough Engineer, Croydon.
Aldergrove (Aerodrome)	307	9	Antrim	54 39	6 13W.	I	D,Mμ.	—	—	Meteorological Officer (M.O.).
Ambleside	232/5	7	Westmorland	54 26	2 57W.	III H.	m.	—	—	The Clerk to the Council.
Amesbury	225									*See* Boscombe Down.
Ampleforth (College)	79/5	2	Yorkshire (N.R.)	54 12	1 5W.	III	m.	30	—	Rev. J. B. Boyan, O.S.B.
Appleby	233	7	Westmorland	54 34	2 30W.	III	m.	22	—	Lady Holmes.
Arbroath	27	1	Angus	56 33	2 35W.	II	m.	30	—	The Town Council. (J. W. Robertson.)
Ardingly	195	5	Sussex	51 4	0 5W.	III	m.	15	—	Lady Wakehurst of Ardingly.
Ardtornish	50									*See* Morvern.
Arlington Court	278	8	Devonshire	51 8	3 58W.	III	m.	30	—	Miss Chichester.
Armagh (Observatory)	313	9	Armagh	54 21	6 39W.	II	W,M.	30	30	The Director of Observatory (M.O.).
Ascot (Heatherwood)	206	5	Berkshire	51 25	0 41W.	II	m.	—	—	The Medical Superintendent, Heatherwood Hospital.
Askham Bryan	118/3	4	Yorkshire (W.R.)	53 55	1 10W.	III C.W.	m.	—	—	University of Leeds.
Attenborough	132	4	Nottingham	52 55	1 13W.	III	m.	—	—	R. J. T. Granger and B. P. Granger.
Auchincruive	64	6	Ayr	55 29	4 34W.	III	m.	—	—	West of Scotland College of Agriculture.
Ayr	64/5	6	Ayr	55 29	4 37W.	II	m,W¹.	—	—	Medical Officer of Health.
Balerno (*Shothead*)	40/5	1	Midlothian	55 52	3 21W.	III	—	—	—	A. D. Buchanan Smith, Esq.
Ballinacurra (Midleton)	331	10	Cork	51 52	8 10W.	III	w,m.	26	25	The late John H. Bennett, Esq.
Balmoral (Castle G'dns.)	21	1	Aberdeen	57 2	3 12W.	III	m.	25	—	A. Stuart, Esq.
Baltasound (Halligarth)	1	0	Shetlands	60 46	0 50W.	III	m.	26	24	T. Edmondston Saxby, Esq., F.R.F.P.S. (Glas.), J.P.
Banff	19	1	Banff	57 40	2 31W.	II H.	m.	10	16	The Town Council. (I. H. Gordon.)
Barnstaple	278/5	8	Devon	51 5	4 3W.	III	—	—	—	The Librarian, North Devon Athenæum.
Barra (*Craigston*)	11	0	Hebrides	56 59	7 30W.	III	—	—	—	James Reilly, Esq.
Bath	271	8	Somerset	51 23	2 21W.	III H.	d,W,M,W¹.	25	27	Medical Officer of Health.
Beachy Head (C. Guard Stn.)	195/5	5	Sussex	50 44	0 15E.	T.	m.	—	—	The Chief Officer (M.O.).
Bell Rock Lighthouse	30/5	1	Angus	56 26	2 24W.	A.	μ.	—	—	The Head Keeper, (M.O.).
Bellingham	73	2	Northumberland	55 13	2 18W.	III	m.	22	—	Sir Claude Morrison-Bell, Bart.
Belper (School)	129	4	Derby	53 1	1 29W.	III	m.	20	—	Herbert Strutt Secondary School.
Belvoir Castle	138									*See* Grantham.
Berwick-on-Tweed	72	2	Northumberland	55 46	2 0W.	III H.	d,m.	—	—	Borough Surveyor.
Bexhill (*Egerton Park*)	196	5	Sussex	50 50	0 28W.	III H.		—	—	The Borough Council. (H. J. Sargent.)
Bidston Observatory	248									*See* Birkenhead.
Biggin Hill (Aerodrome)	182	5	Kent	51 19	0 2E.	T.	M.	10	10	Assistant-in-Charge (M.O.).
Bingley	118/5	4	Yorkshire (W.R.)	53 51	1 51W.	III	—	—	—	The Director, St. Ives Research Station.
Birkenhead (Bidston Obs.)	248	7	Cheshire	53 24	3 4W.	III	M.W¹,μ	30	23	The Director.
Birmingham:—										
(Edgbaston)	143	4	Warwick	52 29	1 56W.	T.A.	D,W,M,W¹,μ.	11	30	Edgbaston Observatory. (A. L. Kelley.)
(Sparkhill)	144	4	Warwick	52 27	1 51W.	III	m.	23	—	D. H. Owen, Esq.
Birr Castle	323	10	Offaly	53 6	7 56W.	T.	D,W,M.	10	30	The Earl of Rosse.
Blackford Hill	42									*See* Edinburgh.
Blackpool	234	7	Lancashire	53 49	3 3W.	III H.	d.	25	30	Medical Officer of Health.
Blacksod Point	304	9	Mayo	54 6	10 4W.	T.	D,W,M.	—	—	Sub-Postmistress (M.O.).
Boghall	41									*See* Edinburgh.
Bognor Regis	197	5	Sussex	50 47	0 41W.	III H.	d.	30	25	The Town Clerk.
Bolton	235	7	Lancashire	53 35	2 27W.	III	m.	30	30	The Corporation. (E. Hendy.)
Boscombe Down (Aero.)	225	5	Wiltshire	51 10	1 45W.	I	D,M.	—	—	Meteorological Office (M.O.).
Boston (North Sea Camp)	88/7	2	Lincolnshire	52 56	0 4W.	II	—	—		C. T. H. Sharp, Esq.
Bournemouth (Vale View)	212	5	Hampshire	50 43	1 53W.	II H.	d,m.	25	27	The Corporation. (A. C. Marsh, F.R.Met.
Bradford (Lister Park)	119	4	Yorkshire (W.R.)	53 49	1 46W.	III	m,W¹.	23	23	The Corporation. [Soc.)
Braemar	22	1	Aberdeen	57 0	3 24W.	II	M.	30	—	R. A. Lees, Esq.
Bridlington (*School*)	85	2	Yorkshire (E.R.)	54 5	0 13W.	III H.	—	10	11	The Headmaster.
Brighton	198	5	Sussex	50 49	0 8W.	III H.	d, M,W¹.	25	30	Medical Officer of Health.
Bristol	161									*See* Horfield.
Bristol (Airport)	271/7	8	Somerset	51 25	2 35W.	I	D.	—	—	Meteorological Officer.
Bromley	183	5	Kent	51 24	0 1E.	III	m.	—	—	Borough Engineer.
Bromyard	158	4	Hereford	52 11	2 30W.	III	m.	20	—	Miss M. A. Philpott.
Buddon Ness Lighthouse	29									*See* Carnoustie.
Bude	295	8	Cornwall	50 50	4 33W.	III H.	d.	12	17	Clerk to the U.D.C.
Bungay (Flixton)	97	3	Suffolk	52 25	1 23E.	III	m.	10	—	Sir Shafto Adair, Bart.
Bunhill Row	165									*See* London.
Burnley	236	7	Lancashire	53 48	2 15W.	III	m,W¹.	22	23	Medical Officer of Health.
Butt of Lewis (Lighthouse)		0	Hebrides	58 31	6 16W.	A.	μ.	—	—	Principal Keeper (M.O.).
Buxton	131	4	Derby	53 16	1 55W.	III H.	m.	25	23	The Town Clerk.
Byfleet (Wisley R.H.S. Gdns.)	181	5	Surrey	51 17	0 26W.	III C.W.	M.	27	27	The Director.
Calshot (Aerodrome)	213	5	Hampshire	50 49	1 18W.	I	D,M,μ.	10	10	Officer-in-Charge (M.O.).
Cambridge (Bot. Gdns.)	102	3	Cambridge	52 12	0 8E.	II	W,M.	30	30	The Curator.
Cambridge (Univ.Farm)	103	3	Cambridge	52 12	0 8E.	III C.W.	m.	—	—	The Director.
Camden Square	166									*See* London.
Cannington (Somerset Farm Institute)	272	8	Somerset	51 9	3 4W.	III C.W.	m.	—	—	The Principal.
Canterbury	184	5	Kent	51 17	1 5E.	III	m.	15	—	A. Lander, Esq.

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
				° ′	° ′					
Cantref (Cardiff Waterworks)	266	8	Brecknock	51 50	3 27W.	III	m.	—	—	The Water Engineer, Cardiff.
Cardiff	267	8	Glamorgan	51 28	3 10W.	II	M,W¹.	27	23	Medical Officer of Health.
Cardington	107/5	3	Bedford	52 7	0 25W.	A.	μ.	—	—	The Superintendent (M.O.).
Cardross	55	6	Dumbarton	55 58	4 38W.	III	m.	22	22	Claud A. Allan, Esq.
Carluke (Law Junction)	60/5	6	Lanark	55 45	3 53W.	III	m.	—	—	W. A. Galbraith, Esq.
Carnoustie	28	1	Angus	56 30	2 42W.	III	m.	14	19	Burgh Surveyor.
Carnoustie (Buddon Ness Lighthouse)	29	1	Angus	56 28	2 44W.	III	—	—	—	Dundee Harbour Trust (J. Hannay Thomson).
Carrick-on-Suir (Seskin)	326	10	Waterford	52 21	7 24W.	II	M.	17	17	L. Grubb, Esq.
Castleton	80	2	Yorkshire (N.R.)	54 28	0 56W.	III	m.	—	—	Miss Muriel H. Punch.
Catterick (Aerodrome)	80/5	2	Yorkshire (N.R.)	54 22	1 37W.	I	D,M.	—	—	Meteorological Officer (M.O.).
Chadacre	98	3	Suffolk	52 8	0 42E.	III C.W.	m.	—	—	The Principal.
Chelmsford (Agric. Station)	112/5	3	Essex	51 42	0 29E.	III C.W.	m.	—	—	The Principal, East Anglian Institute of Agriculture.
Chelmsford (County Gdns.)	112	3	Essex	51 44	0 27E.	III	m.	—	—	
Chelsea	164									*See* London.
Cheltenham (Montpellier Gdns.)	162	4	Gloucester	51 54	2 3W.	II H.	d,M.	25	24	The Town Clerk.
Chopwellwood	76									*See* Rowlands Gill.
Ciliau Aeron	261/7	8	Cardigan	52 13	4 11W.	III	M.	—	—	G. C. Faber, Esq.
Cirencester	163	4	Gloucester	51 42	2 0W.	III C.W.	m.	15	15	The Principal, Royal Agricultural College
Clacton-on-Sea	111	3	Essex	51 47	1 9E.	III H.	d,W,m.	20	26	The Town Clerk.
Cleethorpes (King's Parade)	90	2	Lincolnshire	53 33	0 1W.	III H.	d,m.	—	—	The Engineer and Surveyor.
Cockle Park	74									*See* Morpeth.
Collooney (Markree Castle)	303	9	Sligo	54 11	8 27W.	II	W,M.	30	30	The Late Major Cooper's Trustees.
Colmonell	65	6	Ayr	55 8	4 57W.	III	m.	23	—	D. D. Gordon for Major D. McConnel.
Colonsay	50/3	6	Argyll	56 5	6 11W.	III	m.	—	—	Murdo McNeill for Lord Strathcona.
Colwyn Bay (Eirias Park)	256	7	Denbigh	53 16	3 44W.	III H.	d,m.	17	22	Borough Surveyor.
Copdock	99	3	Suffolk	52 2	1 5E.	III	m.	29	17	F. L. Bland, Esq.
Cork (Univ. Coll.)	332	10	Cork	51 54	8 29W.	III	m.	—	—	Prof. H. N. Walsh.
Coventry (City Hospital)	145	4	Warwick	52 25	1 30W.	III	m.	30	25	Medical Officer of Health.
Craibstone	23									*See* Dyce.
Craigston	11									*See* Barra.
Cranwell (Aerodrome)	89	2	Lincolnshire	53 2	0 31W.	I	D,W,M,μ.	10	10	Officer-in-Charge (M.O.).
Crieff (Strathearn Hydro)	33	1	Perth	56 22	3 50W.	II	M.	30	—	George Reid for Dr. Gordon Meikle.
Cromer	92	3	Norfolk	52 56	1 17E.	III H.	M.	23	28	Clerk to the Urban District Council.
Croydon (Addington)	179									*See* Addington.
Croydon (Airport)	180	5	Surrey	51 21	0 7W.	I	D,M,μ.	10	10	Officer-in-Charge (M.O.).
Cullompton	279	8	Devonshire	50 51	3 23W.	III	W,m.	30	30	Murray T. Foster, Esq.
Cupar (Asylum)	35	1	Fife	56 19	3 1W.	III	m.	28	—	The Medical Superintendent.
Dalwhinnie	12	0	Inverness	56 56	4 14W.	T.	D,M.	—	—	J. Phillips (M.O.)
Darwen	237	7	Lancashire	53 41	2 28W.	II	m.	23	23	Medical Officer of Health.
Deal	185	5	Kent	51 13	1 24E.	III H.	d.	—	10	The Town Clerk.
Deerness	3	0	Orkney	58 56	2 45W.	II	M.	30	30	W. J. Moar, Esq.
Donaghadee (C. Guard Stn.)	312	9	Down	54 38	5 31W.	III.	m.	20	—	Station Officer (M.O.).
Doncaster	119/5	4	Yorkshire (W.R.)	53 31	1 6W.	II	m.	—	—	The Corporation.
Douglas	71	6	Isle of Man	54 10	4 28W.	III H.	d,M.	25	30	Borough Surveyor.
Dover (Waterloo Cres.)	186	5	Kent	51 7	1 19E.	III H,A.	d,m,μ.	18	20	Borough Engineer.
Dovercourt	113/5	3	Essex	51 57	1 16E.	III H.	d.	—	—	Borough Surveyor, Harwich.
Droitwich	155/5	4	Worcester	52 16	2 9W.	III H.	—	—	—	The Borough Engineer and Surveyor.
Dublin :—										
City (Fitzwilliam Sq.)	316	10	Dublin	53 20	6 15W.	II	W,m.	30	—	Sir John W. Moore, M.D., D.Sc.
Glasnevin (Botanic Gdns.)	317									*See* Glasnevin.
Phœnix Park	318	10	Dublin	53 22	6 21W.	II	w,m.	30	30	The Director, Ordnance Survey Office.
Trinity College	319	10	Dublin	53 21	6 16W.	II	m.	27	—	R. W. Ditchburn, Esq.
Dumfries	68	6	Dumfries	55 3	3 36W.	III	W,m.	30	21	Crichton Royal Institution. (P. K. McCowan, M.D.).
Dunbar (Public Park)	43/7	1	E. Lothian	56 0	2 31W.	III H.	d,m.	—	—	The Burgh Surveyor.
Dundee (Mayfield)	30	1	Angus	56 28	2 56W.	III	W,m,W¹.	15	15	The Director of Studies.
Dundee (Harbour)	30/3	1	Angus	56 28	2 58W.	III	—	—	—	Dundee Harbour Trust. (J. Hannay Thomson).
Dunfanaghy Road	306/5	9	Donegal	55 11	7 58W.	A.	μ.	—	—	Londonderry and Lough Swilly and Letterkenny Railway.
Dunfermline	35/5	1	Fife	56 4	3 28W.	II H.	m,W¹	—	—	The Carnegie Dunfermline Trust.
Dungavel	61									*See* Strathaven.
Dungeness	187	5	Kent	50 55	0 58E.	T.	D,M.	10	—	Chief Officer R.N. Signal Station (M.O.).
Dunoon (Ben More)	50/5	6	Argyll	56 2	4 59W.	III C.W.	m.	—	—	Forestry Commission (Scotland).
Dunoon	50/4	6	Argyll	55 58	4 56W.	III H.	m.	—	—	The Town Council. (W. Rodger, Esq.).
Duntulm	7/5	0	Inverness	57 39	6 22W.	III	m.	—	—	Seton Gordon, Esq.
Durham	77	2	Durham	54 46	1 35W.	II	W,M.	30	30	University Observatory. (F. Sargent).
,, (Houghall Hort. Stn.)	78	2	Durham	54 45	1 35W.	III C.W.	m.	—	—	Director of Agriculture.
Dyce (Craibstone)	23	1	Aberdeen	57 11	2 12W.	III C.W.	m.	—	—	Aberdeen and North of Scotland College of Agriculture.
Earls Colne (Grammar School)	114	3	Essex	51 55	0 42E.	III	m.	—	—	The Head Master.
Eastbourne (Wilmington Sq.)	199	5	Sussex	50 46	0 17E.	II H.	d,m.	30	30	Medical Officer of Health.
East Ham	167									*See* London.
East Malling (Research Stn.)	188	5	Kent	51 17	0 24E.	III C.W.	m.	—	—	The Director.
Edgbaston	143									*See* Birmingham.

Station.	No.	Dist.	County.	Lat. N. ° ′	Long. ° ′	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
Edinburgh :—										
Blackford Hill ..	42	1	Midlothian ..	55 55	3 11W.	II A.	W[1],W,M,μ.	30	30	The Astronomer Royal for Scotland.
Boghall	41	1	Midlothian ..	55 52	3 12W.	III C.W.	m.	—	—	Edinburgh and East of Scotland College of Agriculture.
Liberton (College Farm)	43	1	Midlothian ..	55 55	3 10W.	III	m.	—	—	Edinburgh and East of Scotland College of Agriculture.
University, (King's Buildings)	43/5	1	Midlothian ..	55 55	3 11W.	III	m.	—	—	Professor Sir T. Hudson Beare, F.R.S.E.
Ellbridge (Experimental Stn.)	295/5									*See* St. Mellion.
Enfield	168									*See* London.
Eskdalemuir (Observatory)	69	6	Dumfries ..	55 19	3 12W.	I	D,W,M,μ,O.	21	21	The Superintendent (M.O.).
Exmouth	281	8	Devon ..	50 36	3 24W.	III H.	—	17	17	The Engineer, U.D.C.
Falmouth (Observatory)	296	8	Cornwall ..	50 9	5 5W.	III H.	m,W.	25	30	The Supt., for Royal Cornwall Polytechnic Society.
,, (Pendennis C. Guard Stn.)	297	8	Cornwall ..	50 9	5 3W.	A.	μ.	—	—	Station Officer (M.O.).
Felixstowe (Aerodrome)	100	3	Suffolk ..	51 57	1 20E.	I A.	D,M,μ.	10	26	Meteorological Officer (M.O.).
Felixstowe	100/5	3	Suffolk ..	51 58	1 20E.	III H.	—	—	—	The Engineer and Surveyor.
Fleetwood	237/5	7	Lancashire ..	53 56	3 1W.	A.	μ.	—	—	Borough Council (M.O.).
Fleetwood	237/5	7	Lancashire ..	53 56	3 1W.	III H.	—	—	—	The Town Clerk.
Fochabers (Gordon Castle)	18	1	Moray	57 37	3 5W.	II	m.	30	22	J. Taylor, for the Duke of Richmond and Gordon, K.G.
Folkestone (Isolation Hospital)	189	5	Kent	51 5	1 11E.	III H.	d,m.	20	25	Borough Engineer.
Forres	17/5	1	Moray ..	57 37	3 36W.	III H.	m.	—	—	The Town Clerk.
Fort Augustus (Abbey)	13	0	Inverness ..	57 8	4 40W.	III	W,m.	30	—	The Procurator.
Fortrose	10	0	Ross and Cromarty	57 35	4 8W.	III	m.	20	20	The Town Council (Malcolm Matheson).
Fort William	14	0	Inverness ..	56 49	5 7W.	III	m.	22	—	Jas. W. Ainslie, Esq.
Fowey	298	8	Cornwall ..	50 21	4 38W.	III	m.	20	20	The Town Clerk.
Foynes	329	10	Limerick ..	52 37	9 7W.	III	m.	30	—	The Lord Monteagle, C.M.G., M.V.O.
Gibraltar	337	—	—	36 6	5 21W.	II	M.	10	—	King's Harbour Master.
Giggleswick (School) ..	120									*See* Settle (Giggleswick School).
Glasgow University ..	62	6	Lanark ..	55 52	4 17W.	III	m,W[1].	25	—	Prof. J. R. Currie, M.D., D.P.H.
Glasnevin (Botanic Gdns.)	317	10	Dublin	53 23	6 16W.	II	M.	30	—	The Keeper.
Glenbranter	51									*See* Strachur.
Glenlee	70/5	6	Kirkudbright ..	55 6	4 11W.	III	—		—	Galloway Water Power Co.
Gordon Castle ..	18									*See* Fochabers.
Gorleston (C. Guard Stn.) ..	96	3	Norfolk ..	52 35	1 43E.	T.A.	D,M,W,μ.	10	23	Station Officer (M.O.).
Goudhurst (Bedgebury Forest)	189/3	5	Kent	51 5	0 27E.	III	m.	—	—	Forestry Commission.
Grantham (Belvoir Castle)	138	4	Leicester ..	52 54	0 47W.	II	m.	30	25	The Duke of Rutland, K.G.
Greenock	58	6	Renfrew ..	55 56	4 46W.	II	W[1],m.	30	—	J. MacAlister, Esq., M.Inst.C.E.
Greenwich	169									*See* London.
Guernsey(St. Peter Port)	335	11	Channel Islands	49 27	2 33W.	T.H.	D,M,W.	11	26	States Meteorological Committee.
Gulval (Experimental Stn.)	299	8	Cornwall ..	50 8	5 32W.	III C.W.	m.	—	—	Cornwall County Council.
Halstead	115	3	Essex ..	51 57	0 38E.	III	m.	30	—	F. N. Adams, Esq.
Halton	150/5	4	Buckingham ..	51 46	0 43W.	III	m	—	—	R.A.F. Inst. of Pathology.
Hampstead Res. ..	170									*See* London.
Harpenden (Rothamsted) ..	109	3	Hertford ..	51 48	0 22W.	III C.W.	W.M.	30	30	Lawes Agricultural Trust.
Harrogate	121	4	Yorkshire(W.R.)	54 0	1 33W.	III H.	W.M.	20	30	Borough Corporation.
Hastings (White Rock)	202/5	5	Sussex ..	50 51	0 34E.	II H.	d,W,M.	25	30	Town Clerk.
Haverfordwest ..	262	8	Pembroke ..	51 48	4 58W.	II	m.	30	29	The Borough Surveyor.
Hawarden Bridge ..	252	7	Flint	53 12	3 1W.	III	m.	30	—	Messrs. John Summers and Sons, Ltd
Hawick (Wolfelee) ..	49	1	Roxburgh ..	55 23	2 39W.	III	m.	30	—	T. Lockie for Mrs. Browne.
Hazelhatch (Peamount San.) ..	320									*See* Newcastle.
Helensburgh (Valve House) ..	56	6	Dumbarton ..	56 1	4 43W.	III	m.	30	20	Burgh Surveyor.
Hereford (Belmont Abbey) ..	159	4	Hereford ..	52 5	2 45W.	III	m.	30	—	The Abbot.
Herne Bay	189/5	5	Kent	51 22	1 7E.	III H.	—	—	—	The Surveyor.
Hillsborough	309	9	Down	54 27	6 4W.	III	m.	—	—	The Secretary, Agricultural Research Institute.
Hinckley	139	4	Leicester ..	52 32	1 22W.	II	—	—	—	E. H. Salter, Esq.
Hodsock	137									*See* Worksop.
Holton Heath ..	274									*See* Poole.
Holyhead	255	7	Anglesey ..	53 19	4 37W.	I	D,W,M,μ	10	18	Assistant-in-Charge (M.O.).
Horfield	161	4	Gloucester ..	51 29	2 35W.	II	m.	—	—	George H. Brown, Esq.
Houghall (Hort. Station)	78									*See* Durham.
Hoylake (Rec. Ground)	247	7	Cheshire ..	53 23	3 12W.	III	m.	30	30	The Surveyor.
Huddersfield (Ravensknowle)	122	4	Yorkshire (W.R.)	53 38	1 45W.	II	m,W[1].	24	24	The Corporation (Dr. Woodhead).
(Oakes)	123	4	Yorkshire(W.R.)	53 39	1 50W.	III	m.	—	—	S. Morris Bower, Esq.
Hull (Pearson Park) ..	86	2	Yorkshire(E.R.)	53 45	0 16W.	II	m,W[1].	30	—	The General Superintendent, Parks, Cemeteries and Allotments Dept.
Hunstanton	93	3	Norfolk ..	52 57	0 29E.	III H.	m.	—	—	Hunstanton Advancement Association.
Hutton	238	7	Lancashire ..	53 44	2 40W.	III	M.	18	18	The Director of Education for the Lancashire County Council.

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
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Ilfracombe (Bowling Green) ..	282	8	Devonshire ..	51 12	4 8W.	III H.	d,m.	25	20	The Surveyor.
Ilkley	124	4	Yorkshire(W.R.)	53 55	1 50W.	III H.	d.	—	—	The Engineer and Surveyor.
Inchkeith (Lighthouse)	36	1	Fife	56 2	3 8W.	T.	D.M.	10	—	Lightkeeper (M.O.).
Inverness	15	0	Inverness ..	57 26	4 13W.	II	W.M.	25	22	The Town Council. (Malcolm McPhee.)
Jersey (St. Heliers) ..	336	11	Channel Islands	49 11	2 6W.	III H.	d,W,m.	25	30	The Greffier.
Kensington	171									*See* London.
Kelso (Broomlands) ..	48	1	Roxburgh ..	55 36	2 25W.	III	m.	30	—	J. C. Scott, Esq.
Keswick	231	7	Cumberland ..	54 36	3 9W.	III	m.	27	12	Clerk to the Urban District Council.
Kettins	31	1	Angus	56 32	3 14W.	III	m.	21	—	W. B. Ogilvie, Esq.
Kew Observatory ..	174									*See* London.
Killerton	283									*See* Silverton.
Kilmarnock (Kay Park)	65/5	6	Ayr	55 37	4 29W.	III	m,W¹.	23	23	W. Dunbar, Esq., C.E.
Kingstown Harbour ..	319/5	10	Dublin	53 17	6 8W.	A.	μ	—	—	The Office of Public Works.
Kingsway	165									*See* London.
Kirkcaldy (Victoria Hosp.) ..	37	1	Fife	56 8	3 10W.	III	m,W¹.	17	—	Medical Officer of Health.
Kirkwall	4	0	Orkney ..	58 59	2 57W.	III A.	W,m,μ.	24	30	The Town Council.
Lancaster (Greg Obsy)	239	7	Lancashire ..	54 3	2 47W.	III	m.	26	25	The Corporation (Neville Holden, F.R.A.S.).
Larkhill (School of Artillery)	227	5	Wilts	51 11	1 48W.	II A.	M,μ.	10	—	Meteorological Officer (M.O.).
Leamington Spa ..	146	4	Warwick ..	52 18	1 30W.	III H.	d.	13	19	Medical Officer of Health.
Leckford	214/5	5	Hampshire ..	51 7	1 26W.	III	m.	—	—	The Managing Director, Leckford Estate, Ltd.
Leicester (*City General Hospital*)	139/5	4	Leicester ..	52 38	1 5W.	III	—	—	—	Medical Officer of Health.
Lerwick Observatory ..	2/5	0	Shetlands ..	60 8	1 11W.	I	μ,O.	—	—	Meteorologist-in-Charge (M.O.).
Lerwick (The Nabb C. Guard Stn.) ..	2	0	Shetlands ..	60 9	1 8W.	T.	D.W.M.	10	10	District Officer (M.O.).
Leuchars (Aerodrome)	38	1	Fife	56 23	2 53W.	I	D.M.	10	10	Meteorological Officer (M.O.).
Leyland	240	7	Lancashire ..	53 41	2 42W.	III	m.	19	20	H. Nowell ffarington, Esq.
Liberton (College Farm)	43									*See* Edinburgh.
Lisburn (*School*) ..	310	9	Antrim ..	54 31	6 3W.	III	—	18	—	The Headmaster.
Littlehampton	201	5	Sussex ..	50 48	0 32W.	III H.	d.	10	15	The Clerk to the U.D.C.
Liverpool (Bidston) ..	248									*See* Birkenhead.
Lizard, The (C. Guard Stn.) ..	299/5	8	Cornwall ..	49 57	5 12W.	T.A.	D.M.μ.	—	—	Station Officer (M.O.).
Llandudno	258	7	Carnarvon ..	53 20	3 50W.	III H.	d,M.	25	30	Medical Officer of Health.
Llandrindod Wells ..	264/5	8	Radnor ..	52 14	3 21W.	III H.	M.	—	—	Clerk to the U.D.C.
Llety-evan-hen ..	261/5									*See* Talybont.
Logie Coldstone ..	24	1	Aberdeen ..	57 8	2 55W.	III	m.	30	—	Duncan Paterson, Esq., M.A., B.Sc.
London :—										
Bunhill Row ..	165	Lon.	London ..	51 31	0 5W.	(Sunshineonly)	d,m_o.	—	30	Messrs. T. De La Rue & Co., Ltd.
Camden Square ..	166	Lon.	London ..	51 33	0 8W.	III	d.m.	30	—	Royal Meteorological Society.
Chelsea	164	Lon.	London ..	51 30	0 10W.	III	—	—	—	The Borough Surveyor.
East Ham	167	Lon.	Essex	51 32	0 4E.	III	m.	25	—	The Corporation.
Enfield	168	Lon.	Middlesex ..	51 40	0 10W.	II	m.	19	19	Medical Officer of Health.
Greenwich Observatory	169	Lon.	London ..	51 29	0 0	I	d,M,W¹.	30	30	The Astronomer Royal.
Hampstead Reservoir	170	Lon.	London ..	51 34	0 11W.	III	d,m.	20	20	The Hampstead Scientific Society. (E. L. Hawke, M.A.)
Kensington Palace ..	171	Lon.	London ..	51 30	0 10W.	III	d,M.	10	—	H.M. Office of Works (M.O.).
Kew Observatory ..	174	Lon.	Surrey ..	51 28	0 19W.	I	D,W,M,O,μ.	30	30	The Superintendent (M.O.).
Kingsway	165	Lon.	London ..	51 31	0 7W.	(Sunshineonly)	m_o.	—	—	The Director, Meteorological Office.
Oxford Street ..	172	Lon.	London ..	51 31	0 9W.	III	—	—	—	Messrs. Selfridge & Co., Ltd.
Regent's Park ..	173	Lon.	London ..	51 31	0 9W.	III	d.m.	—	—	H.M. Office of Works (M.O.).
South Kensington ..	175	Lon.	London ..	51 30	0 10W.	III	d,M.	—	—	The Director, Meteorological Office
Tottenham	177	Lon.	Middlesex ..	51 36	0 5W.	II	W,m.	24	24	Medical Officer of Health.
Westminster :—										
St. James's Park	178	Lon.	London ..	51 30	0 8W.	III		25	—	H.M. Office of Works (M.O.).
Training College ..	178	Lon.	London ..	51 30	0 8W.	(Sunshineonly)	d,m.	—	30	The Principal.
Long Ashton (Research Stn.) ..	273	8	Somerset ..	51 26	2 40W.	III C.W.	m.	10	10	The Principal.
Long Sutton	215	5	Hampshire ..	51 12	0 56W.	III C.W.	m.	—	—	The Lord Wandsworth Agricultural College.
Lowestoft	101	3	Suffolk ..	52 29	1 45E.	III H.	d,m.	20	25	The Town Clerk.
Luton (Wardour Park)	106	3	Bedford ..	51 54	0 25W.	III	m.	10	10	Borough Engineer.
Lyme Regis	274/3	8	Dorset ..	50 43	2 57E.	III	—	—	—	Clerk to the U.D.C.
Lympne	190	5	Kent	51 5	1 1E.	I	D,M.μ.	10	10	Assistant-in-Charge (M.O.)
Mablethorpe	90/5	2	Lincoln ..	53 20	0 16E.	III H.	d.	—	—	Borough Surveyor.
Macclesfield	249	7	Cheshire ..	53 16	2 8W.	III	m.	30	—	Borough and Waterworks Engineer.
Maldon	115/5	3	Essex	51 30	0 40E.	III	d.	—	—	The Town Clerk.
Malin Head	306	9	Donegal ..	55 23	7 24W.	T.	D,W,M.	10	16	P. Farren (M.O.).
Mallaranny	305	9	Mayo	53 55	9 47W.	III	w,m.	12	15	Chief Engineer, G.S. Ry., Dublin.
Malta	338	—	—	35 54	14 31E.	I	M.	10	10	The Superintendent, Meteorological Office.
Malvern (Free Library)	156	4	Worcester ..	52 7	2 19W.	III H.	m.	25	22	Borough Surveyor.
Manchester (Barton Aero)	240/5	7	Lancashire ..	53 28	2 23W.	I	D.M.	—	—	Meteorological Officer (M.O.).
,, (*Burnage School*)	240/7	7	Lancashire ..	53 26	2 12W.	III	—	—	—	Manchester Education Committee.
,, (City, Oldham Rd.)	242	7	Lancashire ..	53 29	2 13W.	II	m.	30	25	Medical Officer of Health.
,, (Whitworth Pk.)	241	7	Lancashire ..	53 28	2 14W.	II	M,W¹.	30	27	The Director, Physical Laboratories, University of Manchester.
Mansfield	133	4	Nottingham ..	53 9	1 11W.	III	m.	—	—	Borough Surveyor.
Manston (Aerodrome)	190/5	5	Kent	51 21	1 22E.	III	M.	—	—	Meteorological Officer (M.O.).

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
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Marchmont	45	1	Berwick ..	55 44	2 25W.	II	W,m.	30	30	Capt. J. H. F. McEwen, M.P.
Margate	191	5	Kent	51 24	1 24E.	III H.	d,W,m.	25	30	The Town Clerk.
Market Drayton ..	150/7	4	Stafford ..	52 55	2 24W.	II	m.	—	—	The Medical Superintendent, Cheshire Joint Sanatorium.
Markree Castle ..	303									*See* Collooney.
Marlborough College ..	228	5	Wilts	51 25	1 44W.	III	W,m.	30	30	The Headmaster.
Mayfield	151	4	Stafford ..	53 0	1 46W.	III	m.	22	18	G. C. Lawson, Esq.
Meltham	125	4	Yorkshire(W.R.)	53 36	1 50W.	III	m.	30	—	C. L. Brook, Esq.
Mildenhall	101/5	3	Suffolk ..	52 22	0 28E.	I	M, *μ*.	—	—	Meteorological Officer (M.O.).
Montrose	32	1	Angus	56 42	2 28W.	III H.	m.	10	14	Burgh Surveyor.
Montrose (*Sunnyside Asylum*)	32/5	1	Angus	56 44	2 27W.	III	—	30	—	The Medical Superintendent.
Morecambe	244	7	Lancashire ..	54 4	2 52W.	III H.	d.	10	16	The Chief Sanitary Inspector.
Morpeth (Cockle Park)	74	2	Northumberland	55 13	1 41W.	II C.W.	W,M.	30	30	Northumberland County Council.
Moretonhampstead ..	283/5	8	Devon	50 39	3 46W.	II	M, *μ*.	—	—	G. B. Davie, Esq.
Morvern (Adtornish) ..	50	6	Argyll	56 34	5 45W.	II	m.	20	—	A. Cameron, for O. H. Smith, Esq.
Mount Batten (Aero.)	287									*See* Plymouth.
Mount Stewart ..	312/5									*See* Newtownards.
Mursley	150	4	Buckingham ..	51 59	0 49W.	II	m.	—	—	Lady Beecham.
Nairn	17	1	Nairn	57 36	3 52W.	III H.	W,m.	20	24	The Town Clerk.
Newcastle	322	10	Wicklow ..	53 5	6 6W.	II	m.	22	—	The Medical Officer, National Hospital for [Consumption.
Newcastle (Hazelhatch, Peamount San.) ..	320	10	Dublin ..	53 19	6 28W.	III	m.	—	—	The Superintendent.
Newport (The Mall) ..	220	5	Isle of Wight ..	50 42	1 18W.	III	m.	—	—	Miss Morey.
Newport (Hospital) ..	269	8	Monmouth ..	51 35	3 0W.	III	m.	10	—	Medical Officer of Health.
Newport	152	4	Shropshire ..	52 47	2 22W.	III C.W.	m.	—	—	Harper Adams Agricultural College.
Newquay	300	8	Cornwall ..	50 25	5 4W.	III H.	M.	25	30	The Urban District Council. (C. C. Vigurs, B.A., M.D.).
Newton Abbot (Seale-Hayne College) ..	284	8	Devonshire ..	50 33	3 38W.	III C.W.	m.	—	—	The Principal.
Newton Rigg	232									*See* Penrith.
Newtownards (Mount Stewart)	312/5	9	Down ..	54 35	5 41W.	(Sunshine only)	m.	—	—	The Marquess of Londonderry.
Newtownforbes (Castle Forbes Gdns.)	314	9	Longford ..	53 46	7 51W.	II	m.	19	—	James Boyle, for the Earl of Granard.
North Berwick (Gas Works) ..	44	1	E. Lothian ..	56 3	2 43W.	III H.	m.	—	—	Town Council.
Norwich	94	3	Norfolk ..	52 37	1 17E.	III	m.W¹.	28	20	J. H. Willis, Esq.
,, (Southwell Lodge)										
,, (Sprowston Church Farm)	95	3	Norfolk ..	52 40	1 20E.	III C.W.	m.	—	—	The Director, Norfolk Agricultural Station.
Nottingham	134	4	Nottingham ..	52 56	1 9W.	III	W,M,W¹.	30	23	The City Engineer and Surveyor.
Oban	52	6	Argyll	56 25	5 30W.	II H.	W,m.	—	25	Burgh Surveyor.
Onich	16	0	Inverness ..	56 43	5 13W.	III	—	—	—	Forestry Commission (Scotland).
Oundle (School) ..	140	4	Northampton	52 29	0 28W.	III	m.	27	15	The Headmaster.
Oxford (Radcliffe Meteorological Station) ..	149	4	Oxford ..	51 46	1 16W.	III	W.M.	30	30	The Professor of Geography.
Paignton	285	8	Devonshire ..	50 26	3 34W.	III H.	m.	16	21	Town Council. (C. Bellinger.)
Paisley (Coats Obsy.)	59	6	Renfrew ..	55 51	4 26W.	II A.	W¹,m,*μ*.	30	28	Observatory Committee. (J. Woodrow.)
Parkend	163/5	4	Gloucester ..	51 47	2 33W.	III C.W.	m.	—	—	Forestry Commission.
Peebles	46	1	Peebles ..	55 39	3 12W.	III	m.	—	—	The Town Clerk.
Pendennis Castle ..	297									*See* Falmouth.
Penrith (Newton Rigg)	232	7	Cumberland ..	54 40	2 49W.	II C.W.	W, m.	30	30	The Cumberland County Council.
Penzance	301	8	Cornwall ..	50 7	5 32W.	III H.	d.	25	30	The Town Clerk.
Perth	34	1	Perth	56 24	3 27W.	III	W¹,m.	30	17	The Town Council (J. Ritchie.)
Phœnix Park ..	318									*See* Dublin.
Plymouth (The Hoe)	286	8	Devonshire ..	50 22	4 8W.	II A.	m,W¹,*μ*.	30	30	The Corporation. (Messrs. Prigg, Lindon and Ivory.)
,, (Mount Batten Aero.)	287	8	Devonshire ..	50 22	4 8W.	I	D.M.	10	10	Meteorological Officer (M.O.).
Point of Ayre (Lighthouse)	71/5	6	Isle of Man ..	54 25	4 22W.	T	D,M, *μ*.	—	—	Lightkeeper (M.O.).
Poole (Holton Heath R.N. Cordite Factory)	274	8	Dorset ..	50 43	2 5W.	II	M.	10	11	The Superintendent.
Poole	274/5	8	Dorset ..	50 43	1 59W.	III H.	—	—	—	Medical Officer of Health.
Pontefract (King's School) ..	126	4	Yorkshire(W.R.)	53 42	1 19W.	III	m.	—	—	The Headmaster.
Portland Bill (Lighthouse) ..	275	8	Dorset ..	50 32	2 27W.	T.	D,M.	10	—	Lightkeeper (M.O.).
Porton (W.D. Experimental Stn.)	229	5	Wilts	51 7	1 42W.	II	m.	10	—	The Superintendent Meteorological Dept.
Portsmouth(*Victoria Pk.*)	216	5	Hampshire ..	50 48	1 6W.	III H.	d,W¹.	25	23	Medical Officer of Health.
Prestatyn	252/5	7	Flint	53 20	3 24W.	III H.	d.	—	—	Clerk to the U.D.C.
Prestwick	65/7	6	Ayr	55 30	4 37W.	III H.	—	—	—	Burgh Surveyor.
Princetown	288	8	Devonshire ..	50 33	3 59W.	III	m.	22	—	The Governor, H.M. Prison (M.O.).
Quilty	329/3	10	Clare	52 50	9 28W.	A.	*μ*.	—	—	Chief Engineer, G.S.Ry., Dublin.
Ramsgate	192	5	Kent	51 20	1 25E.	III H.	d.	13	23	Borough Engineer.
Rathfarnham Castle ..	321	10	Dublin.. ..	53 18	6 17W.	III	m.	—	—	The Rev. Father the Rector.
Reading :—										
Shinfield	208									*See* Shinfield.
University	209	5	Berkshire ..	51 27	0 58W.	III	m.	27	—	Professor J. A. Crowther.

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
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Redcar	81/5	2	Yorkshire (N.R.)	54 37	1 14W.	III H.	—	—	—	The Town Clerk.
Redruth	302	8	Cornwall ..	50 14	5 14W.	III	m.	23	—	A. P. Jenkin, Esq., J.P.
Regent's Park ..	173									*See* London.
Renfrew (Abbotsinch Aero) ..	60	6	Renfrew ..	55 52	4 26W.	I	D,W,M,μ.	10	10	Meteorological Officer (M.O.).
Rhayader	265	8	Radnor ..	52 18	3 31W.	III	W,M.	12	14	R. Ashton (M.O.).
Rhyl (Sewage Works)	253	7	Flint	53 19	3 29W.	III H.	d,m.	21	29	Medical Officer of Health.
Rickmansworth ..	108	3	Hertford ..	51 39	0 29W.	III	m.	—	—	E. L. Hawke, Esq., M.A.
Roche's Point ..	333	10	Cork	51 47	8 15W.	T.	D,W,M.	10	—	Miss Roche (M.O.).
Ross-on-Wye	160	4	Hereford ..	51 55	2 35W.	T.	D,W,M.	10	16	Meteorological Office (F. J. Parsons).
Rothamsted	109									*See* Harpenden.
Rotherham ..	126/5	4	Yorkshire(W.R.)	53 25	1 19W.	III	—	—	—	L. Atkinson, Esq.
Rothesay	53	6	Bute	55 50	5 2W.	II	W,M.	30	17	Robert Finlay, Esq., and the Town Clerk.
Rowlands Gill (Chopwellwood) ..	76	2	Durham ..	54 55	1 47W.	III	m.	25	—	Forestry Commission.
Rugby (School) ..	147	4	Warwick ..	52 22	1 15W.	III	m.	—	—	The Headmaster.
Ruthwell	70	6	Dumfries ..	55 0	3 26W.	II	m.	20	21	William Brown, for the Earl of Mansfield.
Ryde	22	5	Isle of Wight ..	50 44	1 10W.	III H.	m.	17	17	Borough Engineer and Surveyor.
St. Abb's Head ..	45/5	1	Berwick ..	55 55	2 8W.	T.	D, m.	—	—	Principal Keeper (M.O.).
St. Albans (Hertford Inst. of Agriculture)	110	3	Hertford ..	51 46	0 18W.	III	m.	—	—	The Principal.
St. Andrews	39	1	Fife	56 20	2 47W.	III H.	m.	13	18	Burgh Surveyor.
St. Ann's Head (C. Guard Stn.) ..	263	8	Pembroke ..	51 41	5 10W.	T.	D,W,M.	10	30	Station Officer (M.O.).
St. Catherine's Point (C. Guard Stn.) ..	221/5	5	Isle of Wight ..	50 35	1 17W.	T.	—	—	—	Chief Coastguard Officer (M.O.).
St. Heliers	336									*See* Jersey.
St. Ives	302/5	8	Cornwall ..	50 14	5 51W.	III H.	d.	—	—	Borough Surveyor.
St. James's Park ..	178									*See* London.
St. Mellion (Ellbridge Exp. Stn.)	295/5	8	Cornwall ..	50 27	4 15W.	III C.W.	—	—	—	The Horticultural Superintendent.
Sandown (Sandham Gdns.) ..	222	5	Isle of Wight ..	50 39	1 9W.	III H.	m.	22	25	The Town Clerk.
Scarborough	82	2	Yorkshire(N.R.)	54 17	0 24W.	III H.	W,M.	25	30	Medical Officer of Health.
Scilly (C. Guard Stn.)	334	11	Cornwall ..	49 56	6 18W.	T.A.	D,W,M,μ.	10	30	Station Officer (M.O.).
Seaford	203	5	Sussex ..	50 46	0 7E.	III H.	—	—	—	The Surveyor.
Sealand (Aerodrome)	254	7	Flint	53 13	3 0W.	I	D,W,M,μ.	10	10	Meteorological Officer (M.O.).
Seaton	289/5	8	Devon ..	50 42	3 4W.	III H.	—	—	—	U.D.C. (Lieut.-Col. H. Anderson-Neville.)
Seskin (Carrick-on-Suir)	326									*See* Carrick-on-Suir.
Settle (Giggleswick School)	120	4	Yorkshire(W.R.)	54 4	2 17W.	III	m.	25	20	The Headmaster.
Shaftesbury (C.E. School) ..	276	8	Dorset ..	51 1	2 12W.	III	m.	30	—	The Headmaster (M.O.).
Sheffield (Weston Park)	127	4	Yorkshire(W.R.)	53 23	1 29W.	III	W^1,m.	30	30	The Town Clerk.
Shinfield (Univ. Farm.) ..	208	5	Berkshire ..	51 25	0 57W.	III	m.	10	—	Professor J. A. Crowther.
Shoeburyness (New Ranges)	116	3	Essex	51 32	0 49E.	I.	D,M,μ.	10	12	Meteorological Officer (M.O.).
Shrewsbury	154	4	Shropshire ..	52 43	2 43W.	III H.	M.	15	—	Medical Officer of Health.
Sidmouth	290	8	Devonshire ..	50 41	3 14W.	III H.	m.	30	—	The Borough Surveyor.
Silverton (Killerton) ..	283	8	Devonshire ..	50 48	3 27W.	III	m.	19	—	Rt. Hon. Sir F. D. Acland, Bart., P.C.
Skallary	5	0	Hebrides ..	56 58	7 26W.	III	m.	—	—	James Smith, Esq.
Skegness	91	2	Lincolnshire ..	53 9	0 21E.	III H.	d,m.	22	27	The Surveyor.
Southampton	217	5	Hampshire ..	50 55	1 24W.	II	W,M.	30	30	Director General of Ordnance Survey.
Southend	117	3	Essex	51 30	0 45E.	III H.	d.	20	25	The Corporation (Pier Master).
South Farnborough (R.A.E.)	218	5	Hampshire ..	51 17	0 45W.	I	D,M,μ.	10	17	Meteorological Officer (M.O.).
South Kensington ..	175									*See* London.
Southport	245	7	Lancashire ..	53 37	3 0W.	II H.A.	d,W,M,μ.	30	30	The Town Clerk.
South Shields (South Pier Works)	75/5	2	Durham ..	55 0	1 26W.	A.	μ.	—	—	Tyne Improvement Commission.
Sparkhill	144									*See* Birmingham.
Sprowston	95									*See* Norwich.
Spurn Head(Lighthouse)	88	2	Yorkshire(E.R.)	53 35	0 7E.	T.A.	D,M,μ.	10	10	Lightkeeper (M.O.).
Stirling (Sauchie House)	57	6	Stirling ..	56 7	3 56W.	III	m.	13	13	The Town Council (John Fyfe).
Stonehaven	26	1	Kincardine ..	56 58	2 12W.	III H.	m.	—	—	The Town Council.
Stonyhurst (College) ..	246	7	Lancashire ..	53 51	2 28W.	II	W,M.	30	30	The Director.
Stornoway (C. Guard Lookout)	6	0	Hebrides ..	58 11	6 21W.	T.	D,W,M.	10	30	Station Officer (M.O.).
Strachur (Glenbranter)	51	6	Argyll	56 8	5 3W.	III	m.	—	—	Forestry Commission (Scotland).
Stratford-on-Avon ..	147/5	4	Warwick ..	52 12	1 42W.	III	m.	—	—	A. W. Beecham, Esq.
Strathaven (Dungavel)	61	6	Lanark ..	55 37	4 8W.	III	m.	20	—	A. K. Foulis, for the Duke of Hamilton and Brandon.
Strelley	135	4	Nottingham ..	52 58	1 15W.	III	—	—	—	Miss M. Edge.
Sunderland	78/5	2	Durham ..	54 54	1 22W.	III	—	—	—	C. D. Drury, Esq.
Sutton Bonington ..	136	4	Nottingham ..	52 50	1 15W.	III C.W.	m.	—	—	The Midland Agricultural College.
Swanage	276/5	8	Dorset ..	50 37	1 57W.	III H.	—	—	—	The Clerk to the U.D.C.
Swansea (Victoria Park)	268	8	Glamorgan ..	51 37	3 55W.	III	m.	18	21	The Town Clerk.
Talybont (Lletty-evan-hen) ..	261/5	7	Cardigan ..	52 27	3 59W.	III C.W.	—	—	—	Professor R. G. Stapledon, M.A.
Taunton	273/5	8	Somerset ..	51 0	3 8W.	II	—	—	—	Major E. P. Kingzett.
Tavistock	291	8	Devonshire ..	50 33	4 10W.	III	m.	19	—	W. J. Monk, Esq.
Tayport	40	1	Fife	56 27	2 53W.	III	—	—	—	Dundee Harbour Trust (J. Hannay Thomson).
Teignmouth (Den Gardens) ..	292	8	Devonshire ..	50 32	3 29W.	III H.	m.	22	25	Medical Officer of Health.
Tenby (The Priory) ..	264	8	Pembroke ..	51 40	4 42W.	III H.	—	—	30	The Town Clerk.
Terrington	95/3	3	Norfolk ..	52 45	0 18E.	III C.W.	m.	—	—	The Assistant Director of Horticultural Education, Norfolk C.C.

Station.	No.	Dist.	County.	Lat. N.	Long.	Classification.	Publication.	Averages (number of years). Temp.	Sunshine.	Authority.
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Thetford (Lynford Nursery) ..	95/5	3	Norfolk ..	52 30	0 41E.	III C.W.	m.	—	—	Forestry Commission.
Tintagel	302/7	8	Cornwall ..	50 40	4 45W.	III H.	—	—	—	Trust Houses, Ltd.
Tiree	54	6	Argyll	56 32	6 55W.	T.A.	D,M,μ.	—	—	J. R. Morrison, M.A., B.Sc. (M.O.).
Torquay	293	8	Devonshire ..	50 28	3 31W.	III H.	d,m.	25	30	The Corporation (C. Bellinger).
Totland Bay (Aston House) ..	223	5	Isle of Wight ..	50 41	1 33W.	III H.	m.	30	29	Totland Bay Hotel and Pier Co., Ltd.
Tottenham	177									*See* London. (J. Dover, M.A.).
Troon	66	6	Ayr	55 32	4 40W.	III H.	d,m.	—	—	The Town Council (M. S. Brodie, C.E.).
Tunbridge Wells (Calverley Park) ..	193	5	Kent	51 8	0 16E.	III H.	d,M.	25	30	Medical Officer of Health.
Turnberry (Hotel) ..	67	6	Ayr	55 19	4 50W.	III H.	m.	17	21	Resident Manager.
Tynemouth (C. Guard Stn.) ..	75	2	Northumberland	55 1	1 25W.	T.	D,M,W[1].	10	—	Station Officer (M.O.).
Tynemouth	75	2	Northumberland	55 1	1 25W.	Sunshine only	d.	—	—	Entertainments and Publicity Officer.
Upper Heyford (Aerodrome) ..	149/5	4	Oxford	51 56	1 15W.	I	D.	—	—	Meteorological Officer (M.O.).
Ushaw (College) ..	79	2	Durham ..	54 47	1 39W.	III	m.	30	—	The Principal.
Usk	270	8	Monmouth ..	51 42	2 55W.	III	m.	—	—	Monmouthshire Agricultural Institution.
Valentia Observatory	329/5	10	Kerry	51 56	10 15W.	I	D,W,M,O,μ.	30	30	The Superintendent.
Ventnor (R. Nat. Hospital)	224	5	Isle of Wight ..	50 36	1 13W.	II	M.	30	30	The Matron.
Ventnor (Park) ..	224/5	5	Isle of Wight ..	50 36	1 13W.	III H.	—	—	—	Engineer and Surveyor.
Wakefield	128	4	Yorkshire (W.R.)	53 40	1 30W.	III	m.	25	15	Waterworks Engineer.
Wallasey, New Brighton (Harrison Park) ..	250	7	Cheshire ..	53 26	3 3W.	III H.	d.	—	—	Medical Officer of Health.
Walton-on-Naze ..	118	3	Essex	51 51	1 16E.	III H.	—	13	15	Engineer and Surveyor.
Warfield	210	5	Berkshire ..	51 27	0 44W.	III	m.	—	—	Imperial Chemical Industries, Ltd.
Waterford (Gortmore)	327	10	Waterford ..	52 16	7 7W.	III	W,m.	28	—	Mrs. N. H. White.
Welshpool (County School) ..	259	7	Montgomery ..	52 39	3 8W.	III	m.	19	—	The Headmaster.
West Kirby	251	7	Cheshire ..	53 23	3 11W.	III	m.	—	—	The Rev. Eric F. Robson.
West Linton	47	1	Peebles ..	55 45	3 21W.	III	m.	23	—	Dr. R. Graham Yooll.
Westminster :— St. James's Park ..	178									} *See* London.
Training College ..	178									
Weston-super-Mare ..	273/7	8	Somerset ..	51 21	2 59W.	III H.	—	—	25	The Medical Officer of Health.
Weymouth (Westham)	277	8	Dorset ..	50 36	2 27W.	III H.	d.	25	30	Borough Electrical Engineer.
Whitby	83	2	Yorkshire (N.R.)	54 29	0 37W.	III H.	—	—	—	The Park Superintendent.
Whitstable	193/5	5	Kent	51 22	1 2E.	III H.	—	—	—	The Engineer and Surveyor to the U.D.C.
Whitworth Park ..	241									*See* Manchester.
Wick (C. Guard Stn.)	8	0	Caithness ..	58 26	3 5W.	T.	D, M.	10	—	Station Officer (M.O.).
Wisley	181									*See* Byfleet.
Withernsea	88/5	2	Yorkshire (E.R.)	53 44	0 2E.	III H.	—	—	—	The Surveyor to the Council.
Woburn	107	3	Bedford ..	52 1	0 35W.	III C.W.	m.	30	30	Lawes Agricultural Trust.
Wolfelee	49									*See* Hawick.
Woodhall Spa	91/5	3	Lincoln ..	53 9	0 12W.	III	d.	—	—	The Engineer and Surveyor.
Worcester (Perdiswell)	157	4	Worcester ..	52 13	2 13W.	III C.W.	m.	—	—	The Agricultural Organizer.
Worksop (Hodsock) ..	137	4	Nottingham ..	53 22	1 5W.	III	m.	30	—	Edward Dixon, Esq.
Worthing	205	5	Sussex	50 49	0 22W.	III H.	d.	25	30	Medical Officer of Health.
Wye (S.E. Agric. College)	194	5	Kent	51 11	0 57E.	III C.W.	m.	—	—	The Principal.
Yarmouth	96	3	Norfolk ..	52 37	1 43E.	Sunshine only	*	10	23	Medical Officer of Health.
York (Bootham School)	84/5	2	Yorkshire (N.R.)	53 57	1 5W.	Sunshine only	} W,M,W[1]. {	—	30	The Science Master.
,, (Museum) ..	84	2	Yorkshire (N.R.)	53 57	1 5W.	II	}	30	—	The Yorkshire Philosophical Society (Dr. W. L. Collinge, F.L.S.).

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

Monthly Weather Report, 1937—Table III.—Corrections and Additions

Month	Page	Station	Terminal Hours	Height above mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	Weather, Number of Days: Precip'n 0·2 mm. or more	Precip'n 1 mm. or more	Snow	Snow lying	Hail	Thunderstorm	Fog (morning obs.)	Ground Frost	Gale (Force 8 or more)	Bright Sunshine: Percentage Daily Mean	Percentage of Average	Percentage of Possible
				Ft.	° F.	° F.	° F.	° F.	° F.		° F.		° F.	° F.	in.	mm.	%	in.										hr.	%	%
January	5	Stornoway (C.G.)	...	...	...	...	...	...	...	...	...	...	...	...	...	98	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	5	Achnashellach	...	...	(46·0)	(36·6)	(41·3)	(+2·0)	...	...	(26)	(19)	...	...	(11·75)	(298)	(122)	...	...	(25)	(23)	(5)	(2)	(2)	(0)	(0)	...	...	...	...
,,	5	Logie Coldstone	...	...	(43·0)	(33·0)	(38·0)	(+1·6)	...	...	...	...	...	...	(8·60)	(218)	...	...	...	(26)	(24)	(9)	(8)	(0)	(0)	(0)	...	...	...	...
,,	5	St. Abb's Head	...	...	(43·5)	...	(40·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	5	Colonsay	...	...	...	(41·0)	(44·3)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	6	Castleton	...	...	...	...	...	...	...	...	...	...	38·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	6	Cranwell	...	...	...	...	...	...	...	...	...	...	...	...	3·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	6	Luton	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	12	...	...	...	...
,,	7	Canterbury	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...
,,	7	Manston	...	...	...	...	...	...	...	...	...	...	...	...	3·97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	8	Leckford	...	...	...	...	...	...	...	...	...	...	...	...	6·26	159	...	...	20	...	...	...	...	...	...	...	...	...	...	...
,,	8	Hoylake	...	...	46·7	37·2	41·9	+0·6	56	22	26	15	...	...	1·96	50	86	·64	5	17	10	1	1	1	0	...	12	...	1·28	74	16
,,	8	Hoylake	...	...	46·5	35·3	40·9	+0·5	54	11	27	14	41·2	44·1	4·37	111	132	·85	21	17	17	3	3	0	0	...	...	...	...	...
,,	9	Newtownforbes	...	...	...	...	...	...	...	...	—	...	...	...	...	181	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	9	Newcastle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
February	19	St. Abb's Head	...	...	(42·5)	...	(39·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	19	Colonsay	...	...	...	(37·0)	(41·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	20	Earls Colne	...	...	48·4	...	42·7	+3·2	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	20	Wakefield	...	...	...	...	...	...	...	...	...	...	...	...	...	...	255	...	...	...	...	...	...	...	...	...	8	...	...	...
,,	21	Canterbury	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	22	Leckford	...	...	...	...	...	...	...	...	...	...	...	...	5·19	132	...	...	2	...	18	...	...	...	...	...	...	...	...	...
March	33	N. Berwick	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·25	82	28
,,	34	Norwich	...	...	...	...	...	...	...	...	...	...	38·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	35	Sutton Bonington	...	...	...	...	...	...	...	...	...	...	...	...	1·98	50	136	...	...	...	...	...	...	...	...	...	...	3·24	...	27
,,	35	Stratford-on-Avon	...	...	45·0	31·9	38·5	...	55	17	26	10, 26, 29	...	...	2·43	62	...	·36	17	20	14	6	0	2	1	2	...	...	...	...	...
,,	35	Enfield	...	...	...	...	...	...	...	...	...	...	...	...	2·41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	35	Kensington	...	...	45·7	35·3	40·5	−4·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	36	Leckford	...	...	...	...	...	...	...	...	...	...	...	...	3·56	90	...	...	10	16	...	...	...	...	...	...	...	...	...	...
,,	36	Manchester (Barton)	...	...	...	...	...	...	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	37	Blacksod pt.	...	...	...	(35·6)	(40·3)	(−4·7)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	37	Malta	...	...	63·1	53·8	58·5	+1·8	75	19	46	2	...	...	·83	21	62	·44	1	3	3	0	0	1	1	0	...	4	8·63	133	73
April	50	Leckford	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...
May	61	N. Berwick	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·59	103	34
,,	61	St. Abb's Head	...	...	(55·5)	(44·5)	(50·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	63	Stratford-on-Avon	...	...	62·6	45·5	54·1	...	77	29	35	6	...	...	2·04	52	...	·43	27	17	9	0	0	0	2	1	...	...	5·39	...	35
,,	63	Enfield	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...
June	77	Kensington	...	...	68·7	...	60·6	+0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	77	Westminster	...	...	...	...	...	...	...	...	...	...	...	...	1·69	43	90	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	79	Newquay	...	...	...	...	...	...	63	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	79	Foynes	...	...	63·9	51·3	57·6	+0·9	70	10	43	9	...	...	·85	21	...	·12	27	16	9	...	...	...	...	...	...	...	...	...
July	89	Deerness	...	...	(59·5)	(50·5)	(55·0)	(+1·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	89	Logie Coldstone	...	...	(64·5)	(48·0)	(56·3)	(−0·2)	...	...	...	...	...	...	(2·70)	(69)	(92)	...	...	(16)	(12)	(0)	(0)	(0)	(0)	(0)	...	...	...	...
,,	89	N. Berwick	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·30	74	25
,,	90	Cockle Park	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·42	...	...
,,	91	Sutton Bonington	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...
,,	92	Amesbury (Boscombe D.)	...	...	...	...	...	...	...	...	...	...	...	...	1·53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	92	Bidston	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
August	103	N. Berwick	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·88	100	32
,,	104	Hull	...	...	70·2	54·9	...	+2·0	...	...	...	...	62·5	57·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	105	Cirencester	...	...	...	...	...	...	...	...	...	...	...	...	·93	24	...	·40	12	...	...	...	...	...	...	...	...	...	...	...
,,	105	Westminster	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...
,,	106	Southport	...	...	...	...	...	...	...	...	...	...	...	59·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
September	117	N. Berwick	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·26	97	34
,,	118	Cockle Park	...	...	...	...	...	...	...	...	...	...	...	...	1·87	...	90	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	118	Hull	...	...	...	...	...	...	...	...	...	...	57·4	56·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	120	Llandrindod Wells	...	...	...	...	...	...	...	...	...	...	...	...	3·11	...	79	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	121	Ilfracombe	...	...	64·5	53·5	59·0	0·0	74	6, 27	43	12, 21	60·9	61·6	3·45	88	133	·71	9	16	14	0	0	0	2	0	0	—	5·44	114	43
October	133	Nottingham	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...
,,	133	Enfield	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	8	...	...	...	...	...	...	...	...	...
,,	133	Westminster	...	...	...	49·2	54·6	+2·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	135	Killerton	...	...	...	...	...	...	...	...	...	...	...	...	4·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
November	145	Achnashellach	...	...	...	(36·5)	(41·8)	(+1·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	145	Kirkaldy	...	...	...	...	...	...	...	...	...	...	...	...	·35	9	...	...	...	5	3	...	...	...	...	...	...	...	...	...
,,	147	Enfield	...	...	...	...	...	...	...	...	...	...	...	...	1·42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December	160	Rothamsted	...	...	...	...	...	...	...	...	...	...	...	...	2·87	73	103	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	161	Enfield	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...
,,	161	Kensington	...	...	42·3	36·3	39·3	−2·2	54	1	27	20	41·2	45·8	4·17	106	177	·97	1	20	11	2	0	1	0	4	(9)	0	0·44	...	6
,,	162	Long Sutton	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...
,,	162	S. Farnboro'	...	...	...	...	...	...	...	...	...	...	...	...	...	...	140	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	162	Totland Bay	...	...	...	...	...	...	...	...	...	...	...	...	5·83	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	162	Appleby	...	...	...	...	...	...	...	...	12	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Year	177	Appleby	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Donaghadee—Height of station should be 30 ft. from January onwards.
Newquay— ,, ,, ,, ,, ,, 182 ft. ,, August onwards.
Bolton. Sunshine recorder free from obstruction throughout the year.

Monthly Weather Report, 1937—Table IV. Corrections and Additions

Month	Page	Station	Hour of Observation	Height of Barometer above Mean Sea Level	Mean Pressure: At Mean Sea Level	Mean Pressure: Diff. from Average	Temperature and Humidity: Dry Bulb	Temperature and Humidity: Depn. of Wet Bulb	Temperature and Humidity: Vapour Pressure	Temperature and Humidity: Rel. Humidity	Cloud Amount: Mean Amount	Cloud Amount: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	Visibility: Number of Observations: Fog: 0	1	2	3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Vis. 7	8	9	Wind, Number of Observations: Force (0 to 12): 8 or more	6 to 7	4 to 5	1 to 3	Calm.	Direction: N	N E	E	S E	S	S W	W	N W
					mb.	mb.	°F.	°F.	mb.	%																													
January	12	Manston ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	13	Rhayader ...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	13	Blacksod ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...	...	...	...	...
																											...	...	9	...	...	...	...	...	...	...	...	...
February	25	Catterick ...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
,,	25	Scarborough ...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	7
,,	25	Spurn Head ...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	25	Shoeburyness ...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...
,,	26	Biggin Hill ...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
																											...	...	...	...	...	...	...	...	...	...	...	5
March	39	Nottingham ...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	39	Croydon ...	18	...	...	...	...	...	...	...	...	...	...	...	3	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...
,,	41	Malta	7	...	1014·2	−1·3	57·4	3·9	12·3	77	4·2	1	14	9	7	0	0	0	0	0	0	0	2	7	21	1	0	4	16	11	0	1	0	2	3	6	6	5	8
,,	41	,, ...	13	...	1013·6	—	61·7	6·7	11·9	63	4·7	2	10	8	11	0	0	0	0	0	0	0	1	4	23	3	0	6	16	9	0	3	1	0	2	9	7	5	4
,,	41	,, ...	18	...	1013·5	—	57·7	3·7	12·6	77	4·5	1	13	7	9	1	0	0	0	0	0	0	2	4	24	1	0	2	12	17	0	1	1	0	2	11	5	5	6
,,	41	Lizard ...	7	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
April	52	Cockle Park ...	9	...	1010·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	52	,, ...	21	...	1011·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	53	Catterick ...	7	...	...	...	...	...	...	...	8·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	53	,, ...	18	...	...	...	...	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	53	Rothamsted ...	9	...	1010·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
May	68	Southampton ...	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	7
,,	69	Newquay ...	9	...	...	...	...	...	...	84	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
June	81	Birmingham ...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
,,	81	Ross-on-Wye ...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
July	94	Leuchars ...	7	...	...	...	...	...	13·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	94	,, ...	13	...	...	...	...	...	13·6	74	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	94	,, ...	18	...	...	...	...	...	13·7	75	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	96	Southampton ...	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...
August	109	Catterick ...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
September	124	Amesbury (Boscombe D.) ...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,,	125	Cardiff ...	21	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
October	136	Tynemouth ...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
November	153	Plymouth (Mount Batten) ...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	5	8	...	...	...	...

Newquay—Height of barometer should be 185 ft. from August onwards.

Monthly Weather Report, 1937—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.
			hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h.	m/s.	day hr.	m.p.h.	m/s.	d. h. m.
6a. Scotland W. Tiree	March	1, 30, 31	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Ireland S. Quilty	March	...	...	...	...	349	...	...	...	...	...	...	...	...	...	...
8b. England S.W. Plymouth	May	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22 ... ...
5. England S.E. London (S. Ken.)	June	...	...	...	...	...	...	116	...	...	...	...	...	...	...	...
11. Scilly Isles. St. Marys	June	...	...	...	...	...	...	...	...	...	...	...	10 ...	...	...	...
11. Scilly Isles. St. Marys	July	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
7a. England N.W. Fleetwood	August	...	...	...	...	...	...	161	...	...	...	...	...	...	...	...
11. Scilly Isles. St. Marys	September	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...
1. Scotland E. Bell Rock	November	17–19	20	15	142	351	181	26	0	130	44	20	17 20	56	25	... 19 05 17 19 20
8b. England S.W. Pendennis	November	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...
7b. N. Wales. Holyhead	December	...	...	...	...	...	...	...	...	...	...	...	...	60	27	10 13 25
8b. England S.W. Pendennis	... ...	Delete direction for January–June inclusive														

Monthly Weather Report, 1937—Corrections and Additions

Table I.—District Values.

Month.		*District.*		
March ..	9	Ireland N. ..	Temperature difference from average should be	−4·2
November ..	5	England S.E...	Add values as under :— 59, 16, −1·6 + 0·4, + 1·6 54, −7 107, 26.	

S.O. Code No. 40–9999

M.O. 412 **COPY FOR OFFICIAL USE**

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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JANUARY, 1937:—Unsettled and wet with frequent gales.

The month was unsettled with frequent gales in the west and north. Rainfall markedly exceeded the average and sunshine was deficient on the whole, notably in south-west England.

On the 1st a trough of low pressure crossed England giving heavy rain in the south. Between the 2nd and 6th depressions passing on an easterly track northwards of the British Isles caused unsettled weather with winds from some westerly point. Thereafter a wedge of high pressure crossed the British Isles and high pressure became established over Germany, while deep depressions were situated on the Atlantic. Little rainfall was experienced over most of England between the 7th and 11th, and records of bright sunshine were mainly good in east and south-east England from the 7th–10th.

Subsequently the Atlantic depressions extended their influence eastward and dominated conditions over the whole country. From the 12th–25th weather was mild and unsettled with mainly southerly winds, frequent rain and local gales.

On the 26th a secondary depression off south-west Ireland moved south-east and from the 27th–29th a depression off Portugal moved north-east and then east over France. Rather cold easterly winds were established over the British Isles and widespread sleet and snow occurred between the 28th and 30th. Milder conditions were renewed in the south on the 30th and spread northwards on the 31st.

Pressure and Wind.—Mean pressure was substantially below the average particularly in the western half of the country, the deficiency at 7 h. varying from 14·3 mb. at Valentia Observatory to 3·6 mb. at Lerwick.

Gales occurred very frequently at exposed stations in the west and north; they were reported on 20 days at St. Ann's Head, 18 days at Lerwick, 17 days at Kirkwall, 16 days at Baltasound, Stornoway and Wick and 14 days at Tiree and Point of Ayre. The Orkneys and Shetlands experienced one of the stormiest months on record; at Lerwick gales occurred on each of the days from the 15th to 26th inclusive. Among the highest speeds recorded in gusts were 83 m.p.h. at Holyhead on the 17th, at the Lizard on the 20th and Lerwick on the 25th and 77 m.p.h. at Pendennis Castle on the 20th.

Temperature.—Mean temperature exceeded the average generally, the deviation for districts 1–10 being +1·3°F. The excess was greatest (2·5°F.) in England, S.E. The only district with a mean temperature slightly below the average was Ireland, N. (See Table I).

The coldest period occurred on the whole from the 26th–30th and was accompanied by winds from some easterly point. The lowest minimum temperature was recorded, however, earlier in the month at the majority of places; for example, on the 8th, 14th–16th or 19th–20th. Fog was associated with low day temperatures at certain stations on the 14th and 15th; at Manchester on the 14th and at Mildenhall and Catterick on the 15th, temperature failed to rise above the freezing-point. The highest day temperatures occurred on the whole on the 3rd, 6th, 11th, 12th or on one of the days from the 21st–25th.

The extremes for the month were:—(England and Wales) 58°F. at Aber and Llandudno on the 21st, at Rhyl on the 22nd and at Wisley on the 24th, 18°F. at Castleton on the 15th and at Rickmansworth on the 20th; (Scotland) 59° F. at Glenbranter on the 22nd, 19°F. at Dalwhinnie on the 19th; (Ireland) 58°F. at Cork on the 3rd and 23°F. at Markree Castle on the 20th.

Precipitation.—The general precipitation of the British Isles, expressed as a percentage of the average for the period 1881–1915, was 176, the values for the constituent countries being England and Wales 185, Scotland 162 and Ireland 178. The excessive rainfall was almost general; less than the average occurred, however, in an area covering parts of Lancashire and Westmorland. More than twice the average was recorded in most of east and south-east England, parts of south-west England, in fairly large areas in southern Ireland, locally in southern Scotland and in an area of eastern Scotland covering Aberdeenshire and parts of Angus and north Perthshire. At Braemar and Balmoral more than four times the average was received. At Valentia, Aberdeen and Crawley (Sussex) it was the wettest January since records began in 1866, 1871 and 1883 respectively, and at Braemar it was the wettest month of any name since records were first taken in 1866. Widespread floods were reported from the Midlands and eastern and southern counties from the 24th onwards.

Among the heaviest falls in 24 hours were:—

3rd. 3·30 in. at Kinlochquoich and 2·70 in. at Glenquoich, (Inverness-shire).

4th. 2·15 in. at Glenbranter (Argyllshire).

5th. 2·90 in. at Blaenau Festiniog (Merioneth).

9th. 2·04 in. at Borrowdale (Cumberland).

12th. 2·73 in. at Princetown, 2·50 in. at Holne (S. Devon) and 2·08 in. at Brechfa (Carmarthen).

14th. 2·58 in. at Borrowdale (Cumberland).

24th. 3·28 in. at Braemar and 2·65 in. at Balmoral.

Snow or sleet fell in Scotland on 23 days; it was widespread in Scotland from the 26th–31st and was widely reported in England from the 28th–30th and in Ireland on the 29th and 30th. The snowstorms of the 29th–31st were severe in some parts; undrifted snow was 15 inches deep in Aberdeenshire, 10 inches deep in Fife and 4 to 6 inches deep locally in north England.

Thunderstorms were recorded locally at times, chiefly in the west and north-west on the 1st, 3rd, 4th, 12th, 22nd–26th and 30th.

Sunshine.—Sunshine was below the average generally, the district percentages varying from 56 in England, S.W. to 99 in England, S.E. At some individual stations in Scotland, the Midlands and eastern and south-eastern England more than the average was registered. The period 7th–10th was mainly sunny in east and south-east England.

Fog.—Fog occurred locally at times, chiefly on the 8th and between the 11th and 15th; it occurred also at a few places between the 17th and 20th, 25th and 27th and 30th and 31st. It was thick at times and persistent locally in southern Scotland and north-west England on the 14th and locally in east and north-east England on the 15th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 4 days. The display on the evening of the 7th was of unusual brilliance and was observed at least as far south as Scarborough. Solar halos were noted at Oxford on 14 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, 24*th February*, 1937.

TABLE I—DISTRICT VALUES— JANUARY, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	56	19	+1·0	-	-	122	+ 1	87	13
Eastern									
1 SCOTLAND, E.	58	22	+1·3	-	-	159	+ 3	96	20
2 ENGLAND, N.E.	57	18	+1·0	+1·7	+1·2	177	+ 2	85	16
3 ENGLAND, E.	55	18	+1·6	+1·6	+0·9	209	+ 5	91	20
4 MIDLAND COUNTIES ..	57	20	+1·5	+1·5	+1·3	167	+ 4	86	16
5 ENGLAND, S.E.	58	25	+2·5	+1·7	+1·4	230	+ 5	99	20
Western									
6 SCOTLAND, W. (*and I. of Man*)	59	22	+1·3	+1·9	+1·7	136	+ 3	76	12
7 ENGLAND, N.W. (*and N. Wales*)	58	21	+1·2	+1·8	+1·3	107	+ 1	81	15
8 ENGLAND, S.W. (*and S. Wales*)	56	21	+1·7	+1·4	+1·5	179	+ 5	56	12
9 IRELAND, N. ..	56	23	-0·1	+0·7	+0·6	173	+ 1	89	15
10 IRELAND, S. ..	58	25	+0·6	+0·7	+0·8	182	+ 6	80	16
11 CHANNEL I. (*and Scilly*)	54	36	+1·4	+0·7	+0·2	174	+ 5	72	17
Mean, DISTRICTS 1—10	59	18	+1·3	+1·4	+1·2	172	+ 3	84	16

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY, 1937 [1914]

DISTRICT AND STATION	Height			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				
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.				2, 9, 11, 12, 15-22, 24-26	182	27	316	156	76	14	0	130	54	24	24 24	83	37	25	15	00
Shetland ‡Lerwick	310	53	39																
Orkney Kirkwall	170	40	35																
Hebrides Stornoway	—	40	36	8-12, 14, 15, 20, 22, 23, 28, 30	94	29	333	243	68	6	0	190	51	22	9 02	69	31	23	00	50
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	-	0	16	120	323	246	55	0	150	32	14	21 01	67	30	21	00	55
Angus Bell Rock Lighthouse	130	—	126	1-5, 12, 15-18, 20-22, 24-31	164	29	327	230	21	2	0	160	58	26	20 23	75	33	21	00	25
Edinburgh Edinburgh	485	39	23	22	1	21	196	327	205	15	0	150	40	18	22 05	64	29	22	16	35
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	4, 7, 11, 12, 15, 20-22	51	25	302	309	75	7	0	130	48	21	20 17	73	33	20	17	25
Renfrew Paisley	188	81	31	-	0	8	21	315	330	78	0	160	28	13	20 24	55	25	21	00	05
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	9	31	330	291	92	0	290	33	15	2 21	62	28	22	16	40
Dumfries Eskdalemuir ..	825	50	35	4,22	6	19	142	330	184	82	0	210	45	20	4 13	70	31	22	16	05
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	4, 7, 15, 17, 20, 22, 24, 27	31	27	302	286	122	3	0	170	46	21	24 10	66	29	4	11	35
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	28-31	34	19	125	351	224	10	0	100	43	19	28 17	59	26	28	16	55
Yorks.,N.R. Catterick	220	45	33	-	0	3	7	277	335	125	0	290	27	12	7 14	52	23	22	14	50
Yorks.,E.R. Spurn Head ..	64	42	34	6, 7, 17, 18, 28, 29	32	24	257	351	80	19	5	310	43	19	18 23	64	29	4	17	25
Lincoln Cranwell	284	43	33	-	0	7	31	345	304	64	0	300	33	15	18 19	53	24	6	11	20
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	12	124	316	269	35	0	60	(38)	17	28 21	58	26	4	20	45
Suffolk Felixstowe Aero. ..	60	45	35																	
Suffolk Mildenhall	64	45	20	-	0	6	34	298	359	53	0	290	31	14	18 21	56	25	18	20	20
Bedford Cardington ..	285	150	135	-	0	18	153	356	209	26	0	170	37	17	21 01	57	25	21	00	10
Essex Shoeburyness ..	115	104	89	18	1	16	154	380	197	12	0	180	39	17	18 14	57	26	18	13	50
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	-	0	11	37	386	303	18	0	70	30	13	28 19	57	25	20	22	25
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	-	0	0	0	206	499	30	9	50	24	11	28 10	59	26	7	13	50
Surrey Kew Observatory ..	92	75	50	-	0	2	11	277	392	64	0	80	29	13	27 20	52	23	28	08	50
Surrey Croydon	313	105	70	-	0	14	108	376	253	7	0	280	35	16	18 18	60	27	18	17	05
Kent Dover	66	66	60	-	0	12	94	422	191	37	0	-	35	16	18 12	55	25	18	14	40
Kent Lympne	418	76	48	-	0	9	58	355	313	18	0	270	32	14	18 16	61	27	18	14	40
Hampshire Calshot	58	50	42	21	1	17	118	301	282	42	0	180	39	17	21 03	68	30	18	16	15
Wiltshire Boscombe Down ..	462	45	33	20	1	13	75	368	248	52	0	170	39	17	20 23	63	28	20	22	45
Wiltshire Larkhill	491	51	36	-	0	16	107	390	230	17	0	180	36	16	20 23	59	26	20	21	55
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	7	4	16	127	399	185	29	0	300	42	19	7 12	56	25	20	20	50
Lancashire Manchester (Barton)	153	83	80	28	5	15	136	333	216	46	8	80	43	19	28 13	63	28	28	12	15
Lancashire Southport	60	42	33	7	3	14	163	365	199	14	0	280	40	18	7 11	58	26	28	05	50
Cheshire Bidston Obs'y. ..	262	64	39	-	0	16	156	438	117	24	9	280	38	17	7 13	63	28	28	06	45
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	5, 7, 17, 28	11	25	237	376	103	17	0	80	47	21	28 20	83	37	17	10	20
Flint Sealand	81	65	42	-	0	12	51	328	307	58	0	140	32	14	20 22	59	26	6	05	55
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	18	1	10	69	320	251	59	44	310	39	17	18 14	75	33	18	13	10
Devon Plymouth	185	88	65	15-18, 20-22, 24	32	16	128	319	159	68	38	-	56	25	20 22	73	33	20	20	55
Cornwall The Lizard	315	75	60	6, 12, 15, 17, 18, 20-24, 27, 28	59	28	315	283	70	17	0	140	53	24	17 05	83	37	20	20	15
Cornwall Pendennis Castle ..	256	65	42	6, 12, 15, 17, 18, 20-24, 27, 28	103	27	265	243	94	39	0	210	58	26	17 06	77	34	20	19	20
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30	3,6	9	15	122	(291)	(233)	76	13	-	41	18	3 14	59	26	6	04	45
Antrim Aldergrove	282	40	20	-	0	9	52	404	254	34	0	120	33	15	24 11	61	27	20	18	55
10 IRELAND, S.																				
Dublin Kingstown(Cup Anr.)	49	27	27	6, 20, 21, 24, 28	16	25	228	311	170	19	0	80	46	21	28 16	-	-	-	-	-
Clare Quilty	100	40	32	-	0	18	147	407	141	31	18	-	35	16	24 08	57	25	13	00	10
Kerry Valentia Observatory	98	41	33	-	0		97	451	159	37	0	150	37	17	23 21	70	31	21	14	30
Cork Cork	132	71	40																	
11 SCILLY ISLES																				
St. Mary's	230	65	57	6, 15, 17, 18, 20, 22-24	37	28	316	334	49	8	0	180	48	21	17 04	74	33	23	23	45

‡‡ 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).

MONTHLY WEATHER CHARTS, JANUARY, 1937.

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

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

1003 1001 999 998 1000 1002 1008 1009 1010 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H I J K L M N

SCALE 1:25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS.

46° 44° 42° 40°

Sea temperatures are shewn in large figures, thus: (49°)

4. BRIGHT SUNSHINE, HOURS PER DAY.

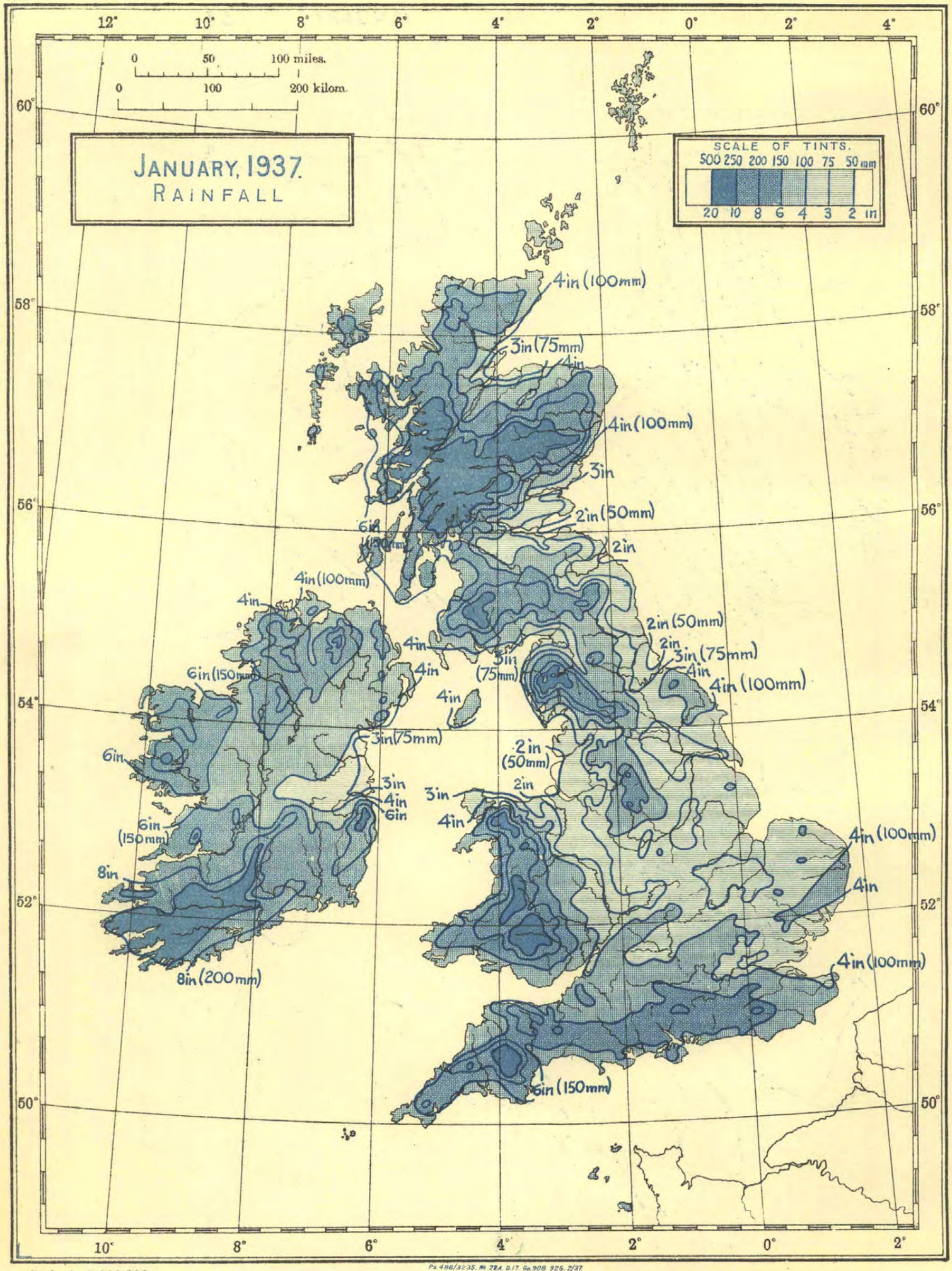
SCALE OF TINTS.

Hrs. 2·0 1·0

1·0 2·0

H.M. Stationery Office Press Kingsway W.C.2

*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps 486/3235. M. 22A. D.17. Gp.908. 925. 2/37.

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 JANUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
0	SCOTLAND, N.	G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Shetland	Baltasound ..	9 9 9	31	43·0	35·7	39·3	+0·1	49	3,9	27	30	40·6	-	5·85	149	124	1·35	12	25	16	11	1	8	1	0	-	16	0·54	95	8
	Lerwick .. ¶§	18-7 7	156	43·3	38·1	40·7	+0·4	52	12	28	31	-	-	4·85	123	122	1·00	12	24	15	10	2	9	1	0	-	18	0·39	54	6
Orkney	Deerness	2121 9	160	43·3	(36·5)	(39·9)	(+0·2)	50	3	30	27,29,31	-	-	5·88	149	170	·63	12	27	23	11	2	1	0	0	-	-	0·75	78	11
	Kirkwall .. ¶§	9 9 9	113	42·9	36·4	39·7	+0·4	50	3	30	27,29,31	40·0	-	4·89	124	135	·68	24	26	23	10	7	5	0	0	8	17	0·81	73	12
Hebrides	Skallary	101010	30	46·9	40·0	43·5	-	52	2,11,23	34	30	-	-	5·13	130	-	·73	15	23	22	2	0	5	0	-	-	-	-	-	-
	Stornoway(C.G.) ¶§	18-7 7	80	45·1	39·7	42·4	+1·2	52	11,24	32	30	-	-	4·79	122	-	·89	21	25	19	6	0	10	0	0	-	16	0·95	108	13
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skye	Duntulm ..	9 9 9	294	45·6	37·0	41·3	-	53	24	29	8,30	-	-	5·32	135	-	1·06	21	25	22	2	0	8	2	0	7	6	1·03	-	14
Caithness	Wick	18-7 7	81	43·3	37·4	40·3	+0·5	51	3	30	30	-	-	3·90	99	160	·67	12	25	23	7	0	5	0	0	-	16	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fortrose	9 9 9	69	44·4	35·8	40·1	+0·8	53	11,22	29	8	-	-	2·71	69	-	·44	12	17	12	2	0	0	0	0	-	0	1·42	98	20
Inverness	Dalwhinnie ..	18-7 7	1176	38·7	32·4	35·5	-	48	2,3,22	19	19	-	-	12·49	317	-	1·85	24	29	23	15	15	3	0	17	5	0·54	-	7S
	Ft. Augustus ¶	9 9 9	68	45·2	35·9	40·5	+2·2	54	11	26	19	-	-	5·68	144	106	·78	12	22	18	8	0	1	0	1	-	-	0·83	137	11S
	Ft. William ..	9 9 9	34	46·6	37·5	42·1	+2·9	56	11	28	19,20	40·6	43·8	12·49	317	131	1·51	3	25	23	3	0	4	0	0	6	3	0·50	-	7S
	Inverness ¶§	9 9 9	242	44·3	35·6	39·9	+0·9	53	11,22	23	30	-	-	3·59	91	145	·47	12	18	16	6	2	2	0	0	10	0	1·65	115	22
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	45·3	35·2	40·3	+1·5	55	11,22	25	30	-	-	2·61	66	131	·57	12	19	12	4	3	0	0	0	-	0	1·46	101	20
Moray	Forres	9 9 9	155	44·7	33·4	39·1	-	53	3,22	24	30	-	-	2·35	60	-	·64	12	19	15	6	2	0	0	0	-	0	1·70	-	23
	Gordon Castle ..	2121 9	104	44·3	35·3	39·8	+0·9	54	3	26	30	-	-	3·78	96	188	·78	24	23	19	5	0	0	0	-	-	-	1·17	84	16S
Banff	Banff	9 9 9	130	42·9	35·1	39·0	+0·1	52	3	27	30	-	-	5·38	137	311	1·15	24	26	24	7	4	0	0	0	10	7	1·26	90	17S
Aberdeen	Aberdeen ¶§	242424	79	44·0	36·9	40·5	+1·5	54	3	30	20	38·6	40·6	4·94	125	228	·65	24	22	19	7	2	6	0	0	9	2	1·37	91	19
		18-7 -	—	43·3	37·5	40·4	+0·9																							
	Balmoral	9 9 9	927	41·5	31·5	36·5	+1·3	52	22	22	14,15	-	-	11·80	300	428	2·65	24	27	25	9	8	0	0	-	18	0	-	-	-
	Braemar	2121 9	1111	41·0	31·5	36·3	+1·4	51	3	21	14	-	-	13·41	341	420	3·28	24	28	24	11	11	0	0	0	14	10	0·53	-	7S
	Craibstone ..	9 9 9	300	42·7	34·2	38·5	+0·4	55	3	28	20,29,30	38·8	40·7	6·98	177	306	1·24	24	24	22	7	6	7	0	-	13	-	1·62	86	22
	Logie Coldstone ..	9 9 9	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	45·7	34·4	40·1	-	56	3	25	20	-	-	4·40	112	-	·68	24	22	20	4	0	0	0	2	-	-	1·49	-	20
Angus	Arbroath	2121 9	93	44·6	35·5	40·1	+1·4	53	3	28	15,20	-	-	3·32	84	187	·54	30	20	17	3	1	3	0	1	13	0	1·54	82	21
	Carnoustie ..	9 9 9	39	44·6	36·2	40·4	+1·9	52	2,3	27	20	-	-	3·05	77	161	·33	4	22	16	2	2	4	0	-	-	0	1·34	94	18S
	Dundee .. ¶§	9 9 9	147	44·1	34·5	39·3	+1·0	55	22	29	30	38·1	-	3·50	89	181	·56	30	20	16	4	3	4	0	-	19	5	1·58	92	21
	Kettins	9 9 9	218	43·5	34·3	38·9	+2·0	55	22	24	20	37·8	-	5·02	128	193	·83	30	24	21	7	3	2	0	0	11	8	-	-	-
	Montrose ..	9 9 9	16	43·4	36·2	39·8	+1·3	54	3	27	17	-	-	3·52	89	-	·50	13	19	15	5	0	6	-	0	-	0	1·72	104	23
Perth	Crieff	2121 9	478	43·1	33·9	38·5	+1·0	54	3	26	29,30	-	-	4·63	118	115	·73	12	26	25	8	8	1	2	-	-	2	-	-	-
	Perth	9 9 9	76	45·3	35·3	40·3	+2·4	56	22	25	14	-	-	3·49	89	138	·50	4	24	21	6	0	1	1	-	-	-	0·97	7.1	13
Fife	Cupar	9 9 9	210	44·1	35·0	39·5	+1·4	55	22	28	30	-	-	2·85	72	-	·45	30	22	16	5	4	4	0	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	44·4	35·5	39·9	-	56	21,22	28	30	39·7	42·7	2·38	61	-	·50	4	21	17	5	2	5	1	1	11	1	1·09	-	14
	Inchkeith ..	18-7 7	190	44·6	38·2	41·4	+0·6	58	11	30	29,30	-	-	1·31	33	83	·31	4	16	12	6	3	0	0	0	6	3	1·36	76	18
	Kirkcaldy ..	9 9 9	63	46·2	34·1	40·1	+0·4	57	21	26	15	-	-	2·61	66	-	·40	26	14	13	3	3	2	0	-	-	-	-	-	-
	Leuchars ..	18-7 7	36	44·3	36·5	40·4	+1·5	55	22	26	15	-	-	2·92	74	161	·45	30	20	16	5	3	2	0	0	10	0	1·57	84	21
	St. Andrews ..	9 9 9	13	44·9	35·8	40·3	+1·4	54	22	28	30	39·6	42·6	3·41	87	181	·47	12	20	16	3	2	4	0	0	8	-	1·56	100	21
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	44·0	36·1	40·1	+1·0	55	22	28	29,30	-	-	2·04	52	115	·57	4	22	12	6	5	0	0	1	11	1	1·69	103	22
	Boghall	9 9 9	639	43·3	34·3	38·8	+0·6	54	21,22	27	29,30	37·8	41·4	3·05	77	-	·85	4	22	15	6	5	1	0	0	13	-	1·53	85	20
	Liberton ..	9 9 9	190	45·2	35·4	40·3	-	56	21,22	28	15	-	-	2·81	71	-	·72	4	21	16	2	0	0	0	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	45·3	37·0	41·1	-	56	22	29	30	39·2	43·3	2·43	62	-	·70	4	23	14	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	46·0	37·0	41·5	-	58	22	30	30	-	-	2·93	74	-	·53	24	20	16	5	4	3	0	0	10	0	1·81	-	24
	N. Berwick ..	9 9 9	118	46·4	35·5	40·9	+1·2	56	22	27	14	-	-	2·48	63	154	·44	29	21	16	5	2	2	0	0	14	0	1·54	105	20
Berwick	Marchmont ¶§	2121 9	498	43·7	33·5	38·6	+1·3	55	22	25	15	-	-	3·11	79	139	·57	4	20	15	5	5	0	0	-	-	1	1·21	92	16S
	St. Abb's Head	18-7 7	280	-	36·5	-	-	-	-	27	30	-	-	(2·76)	(70)	-	·77	30	19	16	5	3	3	0	0	-	6	-	-	-
Peebles	Peebles	9 9 9	629	43·5	33·4	38·5	-	55	21,22	25	14,15	-	-	4·18	106	-	·54	4,20	20	18	7	6	1	0	0	11	3	0·89	-	12
	West Linton ..	9 9 9	820	43·0	33·6	38·3	+2·6	53	21	26	14,20,30	37·5	41·7	5·05	128	-	·88	4	22	20	8	4	0	0	0	18	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	45·2	35·2	40·2	+2·4	57	22	26	15	-	-	2·21	56	127	·46	12	18	14	4	1	0	0	0	-	2	-	-	-
	Wolfelee	9 9 9	537	43·9	34·1	39·0	+2·2	54	21,22	26	14,30	-	-	4·61	117	145	·84	12	25	19	7	5	0	0	0	-	-	-	-	-
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	46·1	36·3	41·2	+1·1	52	23	30	8,14,30	-	-	12·31	313	-	1·33	11	26	26	1	0	4	2	-	13	-	-	-	-
	Colonsay ..	9 9 9	87	47·7	-	-	-	53	24	-	-	-	-	6·67	169	-	·71	12,18	27	22	0	0	2	1	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	46·7	36·0	41·3	-	52	2,23,24	28	8,19	40·4	41·8	12·96	329	-	1·41	17	27	21	4	0	0	0	0	10	-	0·45	-	6S
	Dunoon	9 9 9	132	44·4	36·5	40·5	-	52	3	30	19,30	-	-	8·44	214	-	1·10	9	23	19	2	1	2	0	0	8	0	0·76	-	10
	Glenbranter ..	9 9 9	188	44·9	34·5	39·7	+0·6	59	22	24	19	-	-	16·11	409	-	2·15	4	24	21	3	1	1	1	0	11	-	-	-	-
	Oban	9 9 9	229	43·2	36·1	39·7	-	52	24	28	30	-	-	8·65	220	-	1·01	12	23	20	5	1	2	2	0	7	0	0·80	75	11
	Tiree .. ¶§	18-7 7	22	45·3	39·7	42·5	+0·5	51	2,3,11	31	30	-	-	4·82	122	113	·78	15	22	20	3	0	8	0	0	3	14	1·21	102	16
Bute	Rothesay ¶§	2121 9	200	45·3	37·7	41·5	+1·2	52	22	31	30	40·1	43·6	6·73	171	149	·75	12	24	20	2	0	5	1	0	10	10	0·80	7.1	10
Dumbarton	Cardross	9 9 9	130	44·9	35·5	40·2	+1·5	53	21	28	30	-	-	6·70	170	-	·75	14	20	20	1	2	0	0	0	-	-	0·66	63	9
	Helensburgh ..	9 9 9	293	44·3	35·2	39·7	+0·6	57	24	28	19,30	-	-	9·03	229	163	·80	22	25	22	6	0	3	0	1	-	0	0·71	66	9
Stirling	Stirling	9 9 9	151	44·8	36·2	40·5	+1·4	54	21,22	29	19,30	39·2	44·4	3·70	94	-	·53	15	23	16	5	4	1	0	1	21	0	0·84	78	11S
Renfrew	Greenock ..	9 9 9	199	45·2	36·9	41·1	+1·3	54	22	30	30	-	-	9·39	239	137	·89	17	25	21	5	0	3	0	5	5	0	0·50	-	7
	Paisley	2121 9	106	45·3	37·4	41·3	+1·6	53	22	30	19,30	40·8	45·0	4·34	110	109	·52	12	21	19	2	0	0	1	1	12	0	0·83	81	11S
	Renfrew (Abbotsinch) ¶§	18-7 7	19	44·8	37·3	41·1	+1·6	54	22	24	19	-	-	4·30	109	128	·63	4	23	19	8	1	6	1	1	9	0	0·89	80	12
Lanark	Carluke	9 9 9	534	43·6	35·3	39·5	-	52	21,22	28	30	-	-	3·01	77	-	·55	4	23	13	15	3	4	2	0	12	0	1·52	-	20
	Dungavel ..	9 9 9	798	42·4	33·8	38·1	+1·4	50	21,22	26	27,30	-	-	6·54	166	-	·91	4	23	17	9	1	1	0	0	14	-	-	-	-
	Glasgow	9 9 9	85	45·4	37·2	41·3	+1·8	54	22	30	30	-	42·9	3·37	86	103	·59	4	23	16	9	4	4	1	6	-	0	0·57	-	7
	Thorntonhall ..	9 9 9	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ayr	Auchincruive ..	9 9 9	89	46·1	36·6	41·3	-	54	21,22	27	19	41·2	44·5	4·31	109	-	·63	4	22	18	3	1	1	0	0	13	2	1·03	-	13
	Ayr	2121 9	43	46·5	37·1	41·8	-	54	22	29	8,19,27	-	-	3·67	93	-	·57	5	19	18	1	0	0	0	0	11	-	0·89	-	12
	Colmonell ..	9 9 9	170	45·9	36·5	41·2	+0·9	53	21,22	26	27	-	-	8·17	207	189	1·38	17	22	17	2	0	0	1	0	12	-	-	-	-
	Kilmarnock ..	9 9 9	130	45·9	36·2	41·1	-	54	22,23	26	19	41·9	45·5	4·55	116	-	·64	4	23	16	1	1	2	0	0	4	4	1·05	-	14
	Troon	9 9 9	15	46·8	37·5	42·1	-	53	3,24	28	30	-	-	3·79	96	-	·51	12	20	15	1	1	4	0	1	8	2	1·03	-	13
	Turnberry ..	9 9 9	30	45·5	36·5	41·0	-0·1	52	12,24,25	29	27,30	-	-	5·49	139	-	·66	20	23	19	2	0	2	0	0	24	1	1·21	97	16
Dumfries	Dumfries .. ¶§	2121 9	140	44·7	36·4	40·5	+1·4	54	22	26	14	41·0	43·9	4·59	117	151	·83	15	23	18	4	0	1	0	2	13	0	0·83	6.1	11
	Eskdalemuir ¶§	242424	794	42·3	33·1	37·7	+1·6	52	22	22	8	40·6	44·1	9·14	232	137	1·38	4	28	24	15	5	4	0	1	12	12	0·78	68	10
		18-7 -	—	41·1	34·3	37·7	+1·2																							
	Ruthwell	2121 9	67	45·5	35·5	40·5	+1·8	54	22	25	14	-	-	3·20	81	-	·95	12	22	19	2	0	0	0	-	-	-	0·65	50	88

¶§ § *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 JANUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	46·0	38·8	42·4	+0·9	53	21	29	31	-	-	4·30	109	129	·76	12	20	18	3	0	2	0	0	7	0	1·11	66	14
	Point of Ayre ..	18–7 7	30	46·3	39·8	43·1	-	54	22	30	30	-	-	5·20	132	-	1·17	12	26	17	2	1	1	0	0	-	14	1·09	-	14
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	45·5	36·5	41·0	+1·4	55	22	30	15,16	-	-	1·93	49	122	·30	30	17	13	4	3	4	0	0	6	-	1·67	90	22
	Bellingham ..	9 9 9	849	41·8	32·5	37·1	+1·4	54	22	25	15,16,30	-	-	4·44	113	154	·76	12	24	20	10	6	0	0	1	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	43·4	33·6	38·5	+0·6	55	22	22	15	38·6	41·4	3·93	100	185	1·18	30	18	14	4	0	0	0	1	11	1	1·46	88	19
	Tynemouth ..	18–7 7	108	44·0	38·6	41·3	+0·6	56	22	28	15	-	-	2·31	59	143	·49	31	18	11	6	0	0	0	0	10	12	1·19	-	15
Durham	Chopwellwood ..	9 9 9	446	44·1	34·2	39·1	+1·6	54	22	28	16,20,31	-	-	3·40	86	154	·57	31	19	14	5	6	0	0	0	16	-	1·49	91	19
	Durham .. ¶§	2121 9	336	44·1	35·0	39·5	+1·6	54	22	23	15	-	-	2·74	70	166	·47	31	20	14	4	5	1	0	1	10	1	1·30	80	17
	Houghall	9 9 9	160	46·9	33·7	40·3	+2·2	57	23	22	15	-	-	3·05	77	-	·53	31	14	14	5	4	2	0	2	17	0	1·10	68	14
	Sunderland ..	9 9 9	70	46·1	37·1	41·6	-	57	22	29	15	-	-	2·67	68	-	·55	31	18	12	5	2	1	0	0	7	-	-	-	-
	Ushaw College ..	9 9 9	594	42·8	33·9	38·3	+0·8	52	22,23	23	15	-	-	3·58	91	175	·58	31	20	15	5	5	1	0	12	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	43·9	33·8	38·9	+1·0	54	22	24	15	-	-	3·61	92	-	·46	31	19	16	3	4	1	1	3	20	-	0·99	-	13
	Castleton ..	9 9 9	450	43·6	33·4	38·5	-	53	22	18	15	-	-	6·01	153	-	1·29	18	20	14	4	3	1	0	1	12	-	-	-	-
	Catterick	18–7 7	175	43·2	36·4	39·8	-	55	22	22	15	-	-	2·79	71	-	·46	31	21	14	6	6	0	0	1	10	0	1·22	-	15
	Scarborough †¶§	9 9 9	118	45·5	36·5	41·0	+0·9	54	22	30	30,31	-	42·0	4·07	103	203	1·08	18	18	14	2	2	2	0	1	12	2	1·35	93	17
	York .. ¶§	2121 9	57	45·2	36·4	40·8	+1·3	56	22	24	15	40·8	44·0	2·81	71	159	·76	18	21	13	4	4	0	0	-	-	0	0·86	80	11S
Yorks., E. Riding	Hull	2121 9	8	45·2	37·8	41·5	+2·0	53	6	29	30	40·2	43·9	(2·90)	(74)	(160)	·52	18	(19)	13	4	1	2	0	2	6	-	1·03	86	13
	Spurn Head ..	18–7 7	29	44·2	37·8	41·0	+0·9	51	6,23	29	30	-	-	3·36	85	213	·69	18	16	13	3	1	0	0	1	-	9	1·41	85	18
Lincoln	Cranwell .. ††¶§	18–7 7	203	44·1	35·4	39·7	+0·7	53	6,22	23	15	39·9	43·2	3·01	77	174	·51	18	18	15	4	4	1	0	2	11	0	1·46	82	18
	Cleethorpes ..	9 9 9	23	45·2	35·4	40·3	+0·8	54	22	25	15	-	-	3·23	82	-	·58	18	20	16	3	1	3	0	1	12	-	1·58	85	20
	Skegness ..	9 9 9	15	44·9	35·7	40·3	+1·8	53	3,6	28	15,30	-	-	3·28	83	189	·39	18	19	16	3	1	1	0	1	6	-	1·71	95	21
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	45·5	35·6	40·5	+1·4	52	2,6,22	25	30	-	-	3·12	79	158	·79	24	20	14	2	2	0	0	1	12	0	1·79	97	22
	Hunstanton ..	9 9 9	105	45·5	36·3	40·9	+1·2	55	25	25	30	-	-	3·29	83	-	·51	24	23	16	2	2	0	0	1	-	-	1·75	91	22
	Norwich	9 9 9	110	45·3	34·6	39·9	+0·9	53	6	25	30	38·6	-	3·59	91	-	·60	24	22	16	2	1	0	0	-	18	-	1·75	107	21
	Sprowston ..	9 9 9	93	45·7	35·0	40·3	+1·0	53	6	25	30	-	-	3·44	87	-	·61	24	19	15	2	1	0	0	0	18	-	1·63	90	20S
	Terrington ..	9 9 9	13	45·8	34·8	40·3	-	53	22	25	30	-	-	3·42	87	-	·41	18	22	17	2	2	0	0	3	-	-	1·70	-	21
	Thetford (Lynford Nursery) ..	9 9 9	99	45·4	33·3	39·3	-	53	6,22	24	15	39·7	42·8	3·31	84	-	·54	18	19	17	5	1	0	0	2	18	-	1·65	-	20
	Yarmouth ¶§	18–7 7	5	44·8	37·8	41·3	+0·8	53	6	27	29,30	41·7	45·4	3·27	83	189	·54	24	19	15	4	0	0	0	1	6	1	1·94	108	24
Suffolk	Bungay (Flix'n) ..	9 9 9	79	45·1	34·5	39·8	+0·7	53	6	25	30	-	-	3·84	97	-	·63	24	16	15	4	2	0	0	0	15	-	-	-	-
	Copdock	9 9 9	164	45·7	35·3	40·5	+2·0	54	3	26	30	40·0	43·7	4·28	109	-	·75	1	25	17	1	1	0	0	2	14	-	1·80	107	22
	Felixstowe ‡	9 9 9	72	46·1	36·4	41·3	-	54	3,6	27	30	-	-	3·52	89	-	·47	1	20	16	3	1	0	0	1	-	-	1·96	-	24
	Hartest	9 9 9	250	45·3	34·7	40·0	-	53	6	26	30	-	-	3·40	86	-	·35	22	21	18	3	0	0	0	0	19	-	1·74	-	21
	Lowestoft ..	9 9 9	82	45·4	36·4	40·9	+1·8	52	3,6	25	30	40·2	42·6	4·13	105	250	·69	29	21	15	4	3	0	0	0	15	1	1·94	97	24
	Mildenhall ..	18–7 7	19	45·3	36·9	41·1	-	54	6	26	30	-	-	2·51	64	-	·39	18	20	18	4	1	1	0	2	12	2	1·77	-	22
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	45·7	36·3	41·0	+1·7	54	6	26	30	41·1	44·2	2·88	73	192	·53	18	21	17	2	1	0	0	2	12	0	1·55	90	19
	(Univ. Farm) ..	9 9 9	78	46·0	35·3	40·7	-	54	6	26	30	-	-	2·89	73	-	·45	18	21	17	2	1	0	0	2	17	0	1·63	-	20
Bedford	Luton	9 9 9	381	45·4	35·7	40·5	+1·2	52	6,21,23	26	30	41·5	45·6	4·15	105	-	·45	20	22	18	-	-	-	-	-	-	-	1·39	86	17
	Woburn	9 9 9	291	45·6	35·2	40·4	+1·5	53	6	25	30	40·7	45·7	3·16	80	187	·33	22	24	19	6	1	0	0	0	13	-	1·64	100	20
Hertford	Rickmansworth	9 9 9	192	46·6	31·5	39·1	-	53	6,23	18	20	39·5	43·4	4·83	123	-	·45	20	26	20	6	2	1	1	6	23	0	1·37	-	16S
	Rothamsted ¶§	9 9 9	420	44·6	35·2	39·9	+1·6	52	6	26	29,30	40·1	-	4·27	108	209	·43	18	23	17	2	0	2	0	4	13	0	1·43	82	17
	St. Albans ..	9 9 9	272	45·9	35·1	40·5	+2·0	53	6	26	30	40·6	-	4·37	111	227	·47	24	23	17	2	0	1	0	0	13	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	45·1	36·5	40·8	+1·7	53	3	28	30	41·3	44·5	3·80	96	268	·60	1	22	18	2	1	0	0	0	9	-	1·70	90	20
	Chelmsford ..	9 9 9	134	46·5	34·9	40·7	+1·4	54	6	26	30	-	-	3·77	96	246	·62	24	23	17	2	1	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	(46·5	35·2	40·9)	-	54	6	27	30	-	-	3·88	99	-	·74	24	23	18	1	2	0	0	-	13	-	1·49	-	18
	Earls Colne ..	9 9 9	168	45·7	34·6	40·1	+0·9	54	6	25	30	-	-	3·80	97	-	·51	24	21	17	4	1	0	0	-	-	-	-	-	-
	Halstead ..	9 9 9	140	46·2	35·0	40·6	+1·7	55	6	27	30	-	-	4·54	115	-	·60	24	22	19	4	3	0	0	1	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	45·8	38·7	42·3	+2·0	53	6,7	30	29,30	-	-	3·65	93	273	·56	24	20	18	4	2	0	0	0	11	1	1·63	89	20
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	45·3	34·4	39·9	-	55	22	23	15	-	-	2·78	71	-	·78	18	21	14	5	1	0	0	2	13	-	1·12	-	14
	Bingley	9 9 9	610	43·6	34·2	38·9	-	56	22	22	15,16	38·2	38·6	4·26	108	-	·77	5	23	17	8	4	1	0	4	13	-	-	-	-
	Bradford ..	9 9 9	439	44·4	35·0	39·7	+1·2	57	22	22	15	39·2	43·2	3·78	96	132	·63	31	21	17	-	-	-	-	8	16	-	0·51	56	6
	Doncaster ..	9 9 9	26	45·9	34·5	40·2	-	56	22	24	15,16	-	-	3·19	81	-	·97	18	18	13	3	2	0	0	3	16	-	0·89	-	11
	Giggleswick ..	9 9 9	575	43·9	34·1	39·0	+1·5	54	21,22	23	15	-	-	3·98	101	-	·80	15	23	20	4	1	0	0	3	-	1	0·50	47	6
	Harrogate ¶§	9 9 9	478	43·5	34·5	39·0	+1·8	54	22	22	15	40·3	42·4	3·57	91	137	·54	31	21	16	3	1	4	1	7	11	1	0·88	60	11
	Huddersfield ..	2121 9	325	44·9	35·9	40·4	+1·5	57	22	20	15	39·4	43·2	3·86	98	134	·75	18	23	20	3	1	0	0	4	13	-	0·63	68	8
	,, (Oakes)	9 9 9	761	44·5	34·7	39·6	+0·9	56	22	23	15,16	39·4	42·7	4·55	116	139	·99	5	24	18	6	5	1	0	5	13	1	-	-	-
	Meltham .. **	9 9 9	514	44·5	35·1	39·8	+1·3	56	22	20	15	39·5	40·3	6·14	156	135	1·54	5	24	20	5	4	4	0	2	15	-	-	-	-
	Pontefract ..	9 9 9	255	44·5	35·1	39·8	+0·6	55	22	20	15	-	-	2·70	69	168	·91	18	18	13	-	-	-	-	6	13	-	-	-	-
	Sheffield	9 9 9	428	44·9	35·9	40·4	+0·7	54	21,22	26	16,30	39·9	42·6	5·48	139	199	1·00	18	22	17	-	-	-	-	-	12	-	0·83	61	10
	Wakefield ..	9 9 9	124	45·8	35·7	40·7	+1·1	56	22	22	15	40·4	44·0	3·45	88	179	1·01	18	22	17	7	1	5	0	3	10	-	0·70	80	9S
Derby	Belper (School) ..	9 9 9	222	46·1	34·4	40·3	+1·8	55	21	26	30	-	-	3·97	101	165	·91	17	20	16	4	1	0	0	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	41·8	33·8	37·8	+1·4	51	21,22	22	15	38·9	41·0	6·52	165	145	1·35	5	22	19	5	5	1	0	12	13	-	0·54	55	7S
Nottingham	Attenborough ..	18 7 7	8	45·7	36·6	41·1	-	55	22	24	15	40·9	45·1	3·53	90	-	·73	18	21	17	5	1	0	0	1	9	1	-	-	-
	Mansfield ..	9 9 9	357	44·4	35·0	39·7	+1·3	54	22	25	30	-	-	4·11	104	-	·99	18	21	16	5	3	1	0	4	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft.
¶§ *See* Notes on Tables on last page of this issue.
†† New Site as from December 9th, 1936.
** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.
‡ Health Resort Station.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JANUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham *cont.*	Nottingham ¶§	9 9 9	192	46·3	35·9	41·1	+2·0	55	22	26	30	39·5	42·2	3·01	76	166	·71	18	20	17	-	-	-	-	10	15	-	1·25	*107*	15
	Sutton Bon'gton	9 9 9	157	46·3	34·9	40·6	*+1·3*	55	21,22	23	15	40·7	-	3·10	79	188	·56	18	19	15	2	0	0	0	2	10	-	1·27	*85*	16
	Worksop ..	9 9 9	56	46·0	35·2	40·6	+1·7	56	22	22	15	40·7	44·4	3·40	86	192	1·07	18	17	15	5	1	1	0	-	17	4	1·21	*77*	15
Leicester	Belvoir Castle ..	2121 9	259	45·5	35·4	40·5	+1·8	53	3,22,25	25	29,30	41·0	45·5	2·79	71	158	·50	18	20	16	-	-	-	-	-	13	-	1·57	90	19
	Leicester ..			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northampton	Oundle	9 9 9	147	46·0	34·1	40·1	+1·5	54	6	22	15	41·1	44·8	2·51	64	-	·30	30	22	18	3	1	0	0	0	16	-	1·58	*101*	19
Warwick	Birmingham ¶§	18–7 7	535	44·0	37·0	40·5	*+0·9*	53	6,22	25	30	42·1	46·0	3·69	94	184	·56	18	22	17	5	2	1	0	1	9	0	1·41	99	17
	„ Sparkhill	713 7	425	45·7	36·0	40·9	*+1·8*	54	6	24	30	-	-	3·79	96	178	·59	18	21	18	5	2	4	0	1	11	-	-	-	-
	Coventry	9 9 9	241	46·2	34·2	40·2	+0·9	54	6,22	25	15,30	41·5	44·8	2·98	76	146	·39	18	20	19	2	1	0	0	0	13	-	1·42	116	17
	Rugby	2121 9	390	46·2	33·5	39·9	*+1·3*	53	3,22	23	29	-	-	2·64	67	-	·35	18	19	18	2	1	0	0	-	(19)	-	1·55	-	19
	Stratford-on-Avon	9 9 9	210	47·9	34·8	41·3	-	55	22	24	15	-	-	2·52	64	-	·29	18	21	18	3	0	0	0	1	-	-	1·32	-	16
Oxford	Oxford .. ¶§	9 9 9	208	47·0	36·4	41·7	+1·6	53	21	27	30	41·3	44·7	3·34	85	184	·36	18	22	18	5	1	2	1	1	10	0	1·64	91	20
Bucks	Halton	9 9 9	544	45·4	35·1	40·3	-	52	1,6,23	25	29	40·8	44·3	4·81	122	-	·59	17	21	18	3	1	0	0	1	(15)	-	1·14	-	14
	Mursley	9 9 9	490	45·5	34·5	40·0	*+1·0*	53	6	25	30	41·5	-	3·28	83	170	·35	30	23	17	-	-	-	-	-	-	-	1·49	*90*	18
Stafford	Market Drayton	9 9 9	581	44·2	34·2	39·2	-	53	21,22	24	30,31	-	-	3·26	83	-	1·07	18	16	15	2	4	4	0	3	14	-	1·27	-	15
	Mayfield	9 9 9	374	44·4	34·0	39·2	*+1·4*	53	21,22	23	15	-	-	4·48	114	165	·89	18	21	16	4	1	0	0	-	17	-	1·02	*87*	138
Shropshire	Newport	9 9 9	211	45·5	36·1	40·8	-	54	21,22	25	15	-	-	2·59	66	137	·59	18	17	15	4	0	0	0	1	12	-	1·09	-	13
	Shrewsbury ..	9 9 9	184	46·4	35·8	41·1	*+0·8*	55	21,22	23	15	41·9	45·2	2·60	66	-	·95	18	18	17	3	2	0	0	2	13	2	1·18	-	14
Worcester	Malvern	9 9 9	380	45·9	36·8	41·3	*+1·9*	54	6	23	15	40·4	43·5	3·67	93	166	·44	18	20	18	3	1	0	0	2	8	-	1·52	*78*	18
	Worcester (Perdiswell) ..	9 9 9	94	47·2	36·0	41·6	*+2·9*	54	5,6	26	30	-	-	2·85	72	-	·41	18	17	15	3	0	1	0	-	12	-	1·27	-	15
Hereford	Bromyard ..	9 9 9	393	46·0	34·9	40·5	*+1·3*	53	21,22	23	15	40·9	44·1	3·56	90	-	·50	20	21	17	3	1	0	0	6	12	-	-	-	-
	Hereford ..	9 9 9	292	46·3	36·5	41·4	+1·9	54	6,22	24	15	-	-	4·20	107	191	·72	20	23	20	2	2	0	0	1	8	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	46·0	39·4	42·7	*+1·4*	55	6	27	15,30	42·3	45·3	4·03	102	165	·61	18	18	16	2	1	0	1	0	10	0	1·30	*73*	16
Gloucester	Bristol (Horfield)	18–7 7	206	46·6	38·6	42·6	-	53	13	27	15,29,30	43·2	45·5	3·85	98	-	·74	18	23	19	4	3	2	0	1	7	0	-	-	-
	Cheltenham ..	2121 9	214	47·1	36·5	41·8	*+2·0*	54	22	27	30	41·7	44·7	3·33	85	160	·39	18	17	17	4	1	0	0	1	15	0	1·65	*98*	20
	Cirencester ..	9 9 9	443	45·9	35·0	40·5	*+3·0*	55	24	26	30	-	-	4·53	115	-	·44	12	24	19	2	0	0	0	3	18	-	1·25	*71*	15
	Parkend	9 9 9	325	46·5	35·3	40·9	-	54	22	25	20	41·7	44·4	5·00	127	-	·94	12	22	18	2	2	0	1	2	10	-	1·17	-	14
5 ENGLAND, S.E.																														
London	City, Bunhill Row ..	—	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·62	117	8
	Camden Square ..	9 9 9	110	46·7	37·9	42·3	+2·0	53	3,6	28	30	42·1	45·5	3·47	88	187	·60	1	23	18	2	1	0	0	-	12	-	-	-	-
	East Ham ..	9 9 9	15	47·2	37·5	42·3	+2·2	54	6	28	29,30	-	-	3·14	80	195	·46	1	23	16	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	46·1	36·0	41·1	*+1·4*	54	6	28	29,30	-	44·2	3·60	91	203	·37	24	23	16	2	2	0	0	4	-	-	0·91	*70*	11
	*g*Greenwich ..	2424 9	149	46·8	36·3	41·5	+1·4	53	3,6,24	28	29	43·2	45·7	3·40	86	201	·52	1	25	17	3	1	0	0	6	14	0	1·18	96	14
		21 9 –	—	46·3	37·6	41·9	-																							
	Hampstead ..	9 9 9	450	45·4	34·8	40·1	*+1·3*	52	6	25	29,30	-	-	3·91	99	-	·51	1	24	18	4	2	0	0	-	21	-	1·23	*96*	15
	Kensington ..	18–9 9	80	46·6	39·1	42·9	*+1·2*	54	6	29	29,30	42·8	45·4	3·30	84	178	·35	1	22	17	1	2	0	0	6	13	0	1·11	-	13
	Kingsway ..	—	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·93	-	11
	Regent's Park ..	9 9 9	129	47·5	37·7	42·6	-	54	6,23	28	29,30	-	-	3·22	82	-	·34	24	22	17	3	1	0	0	7	6	-	0·75	81	9
	Kew ¶§	242424	18	46·9	37·9	42·4	+1·9	54	6	29	29	41·9	45·3	3·76	95	212	·58	1	21	14	3	1	0	0	0	11	0	1·54	109	18
	Observatory ..	18–7 –	—	46·5	39·1	42·8	*+1·5*																							
	Tottenham ††¶§	2121 9	51	47·8	38·6	43·2	*+2·3*	54	6,23,24	29	29,30	-	46·5	3·37	86	186	·49	1	20	16	2	2	0	0	-	6	-	0·83	*84*	10
	Westminster ..	9 9 9	27	48·0	38·3	43·1	+1·9	54	3,6,24	29	29,30	-	-	2·96	75	183	·36	1	21	15	1	1	0	0	-	9	-	1·14	125	14
Surrey	Addington ..	9 9 9	472	45·3	36·5	40·9	+1·9	52	6	26	30	-	-	5·72	145	-	·68	24	22	19	2	1	0	0	6	-	-	-	-	-
	Croydon	18–7 7	217	46·7	39·4	43·1	*+2·1*	54	6	28	29,30	-	-	5·37	137	263	·69	20	25	20	3	1	0	0	0	6	0	1·60	*103*	19
	Wisley	9 9 9	150	47·6	37·5	42·5	+2·6	58	24	28	30	42·7	45·2	4·86	123	-	·61	17	24	18	1	0	0	0	1	15	0	1·55	95	198
Kent	Biggin Hill ..	18–7 7	567	44·8	38·4	41·6	*+2·1*	52	6,7	26	30	-	-	6·13	156	243	·88	24	23	21	4	2	1	0	2	9	1	1·69	*101*	20
	Bromley	9 9 9	213	47·2	37·2	42·2	-	53	3,6,24	28	29,30	-	-	4·19	106	231	·52	24	22	18	1	1	0	0	2	11	-	-	-	-
	Canterbury ..	9 9 9	135	46·8	37·2	42·0	*+1·4*	55	6	27	30	42·9	44·7	4·70	119	-	·66	1	22	19	-	-	-	-	-	-	-	-	-	-
	Dover	9 9 9	22	47·5	39·7	43·6	*+3·5*	53	6	29	30	43·1	45·6	5·03	128	-	·63	13	20	19	1	1	0	0	0	2	0	2·04	*105*	24
	Dungeness ..	18–7 7	20	46·5	40·2	43·3	*+2·0*	52	24	28	30	-	-	4·43	113	234	·66	13	23	20	1	1	1	0	0	-	0	-	-	-
	East Malling ..	9 9 9	132	46·8	35·9	41·3	*+2·0*	55	3	27	9	-	-	5·22	133	-	·65	24	23	20	2	1	0	0	3	13	0	1·67	*103*	20
	Folkestone ..	9 9 9	101	46·9	38·0	42·5	*+2·4*	52	3	27	30	-	46·4	4·88	124	-	·63	13	22	18	1	2	0	0	1	12	-	2·07	108	25
	Goudhurst ..	9 9 9	290	46·1	35·3	40·7	-	53	24	27	11,29,30	-	-	6·78	172	-	1·04	1	25	21	2	2	0	0	2	13	-	-	-	-
	Lympne	18–7 7	346	44·8	37·8	41·3	*+1·6*	53	3	26	30	-	44·4	4·79	122	217	·59	1	22	20	2	2	0	0	3	13	0	2·10	*112*	25
	Manston	18–7 7	142	45·8	37·9	41·9	-	55	3	27	29,30	-	-	3·93	101	-	·53	13	23	20	2	2	0	0	0	10	0	1·97	-	24
	Margate .. ¶§	9 9 9	51	47·1	38·7	42·9	*+2·2*	56	3	28	29,30	42·0	44·7	3·87	98	234	·46	13	22	18	2	1	0	0	0	4	0	1·80	97	22
	Tunbridge W. ..	9 9 9	355	46·7	35·0	40·9	*+2·2*	53	3,6	26	30	40·9	43·8	6·55	166	-	·80	1	23	20	2	2	0	0	0	13	0	1·66	95	20
	Wye	9 9 9	164	46·5	35·8	41·1	*+2·1*	55	3	27	30	-	-	5·48	139	-	·75	1	22	18	1	0	0	0	-	15	0	1·94	*115*	23
Sussex	Ardingly ..	9 9 9	437	45·6	35·9	40·7	*+1·8*	52	3	27	30	-	-	7·30	185	-	·97	1	25	21	1	2	0	0	-	13	-	-	-	-
	Beachy Head ..	18–7 7	502	47·0	38·5	42·7	*+2·2*	54	6	26	29,30	-	-	5·48	139	-	·89	1	24	21	2	0	1	0	6	-	-	-	-	-
	Brighton ..	9 9 9	32	47·2	40·1	43·7	*+3·0*	51	23,24	29	30	-	46·4	5·59	142	229	·86	1	23	20	2	1	0	0	3	4	0	1·80	90	21
	Eastbourne ..	2121 9	35	47·7	40·6	44·1	+2·4	52	21	29	29	44·1	46·8	5·73	145	217	·90	1	24	21	2	1	0	0	0	5	-	1·97	98	23
	Hastings ¶§	2121 9	149	47·9	39·7	43·8	*+3·3*	53	7	28	29	43·0	46·8	5·18	132	227	·79	1	23	20	3	2	0	0	0	5	1	2·15	104	26
Berkshire	Ascot H'therw'd	2121 9	300	46·6	36·4	41·5	*+1·9*	53	3,6	27	29	-	-	4·22	107	-	·44	17	26	19	3	2	0	0	5	11	-	1·57	*86*	19
	Reading	9 9 9	152	48·0	36·6	42·3	*+2·6*	54	6	28	29	42·8	45·8	4·33	110	-	·44	20	24	17	3	0	0	0	-	15	0	-	-	-
	Shinfield ..	9 9 9	200	47·5	36·1	41·8	*+1·9*	53	2,6,24	27	29	-	-	4·68	119	-	·61	25	24	17	2	0	0	0	-	-	-	-	-	-
	Warfield	9 9 9	220	47·5	35·5	41·5	-	55	6	26	29	41·4	-	4·22	107	-	·41	20	21	18	1	1	0	0	10	12	-	1·11	-	12

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 JANUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth	9 9 9	139	48·2	38·3	43·3	+2·6	54	6	28	29	43·6	45·3	5·84	148	215	·79	17	25	21	3	1	0	0	11	-	-	1·68	79	20
	Calshot	18-7 7	8	47·7	41·1	44·4	+2·1	55	3,6	30	29	-	-	6·06	154	296	1·05	1	25	20	2	2	0	1	0	4	2	1·89	90	22
	Leckford	9 9 9	385	46·2	36·1	41·1	-	52	3,6,22	27	29,30	42·0	-	6·50	165	-	·73	21	22	19	2	0	0	-	0	-	-	1·57	-	19
	Long Sutton	9 9 9	479	46·2	36·0	41·1	+2·0	52	6	26	29,30	41·5	-	6·90	175	-	·89	31	24	20	3	0	1	0	3	9	-	1·46	82	17
	Southamp'n ¶§	2121 9	64	48·3	39·0	43·7	+2·8	54	6	28	29	-	-	6·76	172	253	·72	17	24	21	3	1	0	1	5	8	2	1·68	97	20
	S. Farnboro'	18-7 7	237	46·6	38·5	42·5	+1·2	53	6,13	28	8,29,30	-	-	6·12	155	293	·61	21	23	21	3	1	0	0	0	11	0	1·61	92	19
I. of Wight	Newport	9 9 9	48	48·3	37·8	43·1	+2·2	53	6,24	28	8,20	-	-	7·49	190	-	1·02	1	26	21	2	2	1	0	0	12	-	-	-	-
	Ryde	9 9 9	13	48·5	39·2	43·9	+1·6	54	3,6	30	29,30	-	-	6·40	163	-	·80	1	23	20	2	0	0	0	0	-	2	2·01	108	24
	Sandown	9 9 9	13	48·8	40·9	44·9	+2·6	53	3,6	30	29	-	-	5·80	147	-	·78	1	25	20	2	2	0	0	0	-	-	1·98	94	23
	Totland Bay	9 9 9	140	48·0	40·3	44·1	+2·2	52	3,6,22	29	29,30	-	-	5·83	148	251	·89	1	25	20	2	2	0	0	0	6	6	1·87	89	22
	Ventnor(Hospital)	9 9 9	59	48·7	41·1	44·9	+2·2	53	3	29	29	-	-	6·05	154	236	·95	1	24	21	2	2	0	0	-	-	0	1·98	93	23
Wiltshire	Amesbury (Boscombe Down)	18-7 7	417	45·8	37·5	41·7	-	53	3,6	26	29	-	-	5·65	143	-	·56	24	22	18	3	2	0	0	0	10	2	1·48	-	18
	Larkhill	9 9 9	440	46·3	35·9	41·1	+1·6	52	3,6	26	29	-	-	5·12	130	232	·62	17	21	18	3	2	0	0	3	10	1	-	-	-
	Marlboro' ¶§	9 9 9	424	46·5	35·5	41·0	+2·2	53	21	25	8	41·9	45·3	5·66	144	225	·50	24	20	20	3	1	1	0	2	14	2	1·23	87	15
	Porton	9 9 9	363	46·8	35·4	41·1	+1·8	53	6	26	15	41·8	-	5·98	152	257	·78	17	22	18	3	2	1	0	1	13	0	1·56	78	19
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	47·2	37·1	42·1	+1·8	56	22	28	14	40·8	44·2	8·59	218	170	1·22	12	21	20	2	1	0	0	0	11	4	0·84	81	11
	Newton Rigg ¶§	2121 9	560	44·1	35·2	39·7	+1·9	55	22	27	8,14,20	-	-	4·69	119	145	·64	20	22	14	6	3	1	0	1	11	3	1·19	93	15
Westmorland	Ambleside	9 9 9	145	46·0	35·5	40·7	-	54	21,22	26	15	-	-	9·45	240	-	1·63	5	26	25	3	2	0	0	1	-	-	0·70	-	9
	Appleby	9 9 9	440	45·3	34·5	39·9	+2·8	56	22	25	15,20	-	-	2·61	66	82	·47	12	16	14	3	2	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	45·6	36·6	41·1	+2·0	55	22	27	15,30	40·9	43·4	3·61	92	98	1·26	5	20	16	1	2	1	0	-	10	-	0·60	91	78
	Burnley	9 9 9	458	44·1	35·9	40·0	+1·7	55	22	25	15	40·2	43·1	4·11	104	-	·98	5	21	18	5	0	1	0	1	13	-	0·25	38	38
	Darwen	2121 9	724	43·0	35·2	39·1	+1·4	53	22	26	30,31	39·6	42·4	4·43	113	100	1·36	5	25	16	10	2	2	0	6	10	-	0·59	65	7
	Hutton	9 9 9	82	45·8	36·8	41·3	+1·8	56	22	24	15	41·2	44·2	2·21	56	-	·59	5	14	13	2	2	3	0	3	12	0	0·79	69	10
	Lancaster	9 9 9	312	46·3	36·7	41·5	+2·0	57	22	28	30	39·3	42·1	2·77	70	79	·54	5	17	12	2	1	1	0	2	8	-	1·32	94	17
	Leyland	9 9 9	125	45·8	36·1	40·9	+1·5	56	22	24	14,15	-	-	2·11	54	72	·64	5	18	11	0	0	1	0	1	10	-	0·92	74	11
	Manchester (Barton)	18-7 7	70	45·4	38·7	42·1	-	57	22	26	15	-	-	3·01	77	-	·90	5	18	16	2	0	1	0	2	8	1	0·85	-	11
	(Oldham Road)	2121 9	191	46·4	38·9	42·7	+2·0	57	22	29	15,30	41·9	44·9	2·79	71	97	1·00	5	19	12	5	-	0	0	-	4	-	0·19	49	28
	(Whitworth Pk.)	2121 9	125	46·5	38·2	42·3	+1·9	57	22	27	15	-	-	3·06	78	122	·89	5	18	13	-	-	-	-	3	-	-	0·50	76	6
	Southport (Bedford Rd.Pk.)¶§	9 9 9	35	46·3	37·0	41·7	+1·5	56	22	25	14	41·3	45·0	1·62	41	63	·42	5	17	9	2	1	2	0	2	8	5	1·04	70	13
	Stonyhurst ¶§	9 9 9	377	44·6	36·1	40·3	+1·4	55	22	26	15	-	-	3·51	89	82	1·21	5	23	16	7	1	3	0	1	10	5	0·97	87	12
Cheshire	Bidston Obs'y	9 9 9	198	45·3	37·0	41·1	+0·4	54	22	26	30	-	-	1·86	47	88	·61	5	18	11	3	1	1	0	2	3	0	1·31	75	16
	Hoylake	9 9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Macclesfield	9 9 9	500	44·5	35·0	39·7	+1·7	54	21,22	26	30	-	-	3·53	90	130	·96	18	17	14	3	1	1	0	1	-	-	-	-	-
	West Kirby	9 9 9	25	45·8	37·5	41·7	+1·0	56	22	26	30,31	-	-	1·48	38	73	·39	5	15	9	3	2	5	1	0	10	-	1·37	70	17
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	46·9	36·7	41·8	+0·2	56	22	25	15	-	-	2·59	66	-	·59	5	17	12	2	2	0	0	1	-	-	-	-	-
	Rhyl	9 9 9	31	48·1	38·0	43·1	+1·6	58	22	27	30,31	-	-	1·69	43	91	·28	5	17	13	4	1	0	0	0	10	3	1·39	74	17
	Sealand ¶§	18-7 7	16	45·8	38·6	42·2	+0·7	56	22	25	15	42·6	46·1	2·57	65	131	·55	5	16	14	2	2	0	0	2	11	0	1·39	81	21
Anglesey	Holyhead ¶§	18-7 7	26	46·7	42·0	44·3	+0·3	53	22,24	30	30	-	-	3·26	83	112	·70	12	18	15	2	0	4	0	0	3	8	1·24	74	15
Denbigh	Colwyn Bay	9 9 9	118	48·2	39·1	43·7	+1·3	57	21	28	30,31	-	-	2·55	65	97	·40	20	19	15	2	2	0	0	0	-	-	1·11	65	14
Carnarvon	Aber	9 9 9	60	49·1	40·0	44·5	+1·0	58	21	29	30	-	-	5·30	135	-	1·05	20	21	17	1	1	5	0	-	10	5	0·85	79	118
	Llandudno	9 9 9	13	48·3	39·3	43·8	+1·2	58	21	28	30	-	-	3·03	77	126	·61	20	16	13	2	2	2	0	0	9	0	1·12	65	14
Montgomery	Welshpool	9 9 9	254	47·0	35·3	41·1	+1·2	56	21,22	21	15	-	-	4·32	110	161	·79	4	21	16	5	3	0	0	2	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth	9 9 9	12	46·7	39·5	43·1	+1·2	54	11,12	29	30	-	-	4·22	107	-	·75	20	22	20	2	0	3	0	0	-	-	1·24	68	15
	„ P.B.S.†	9 9 9	452	46·1	37·8	41·9	+0·6	55	21,22	27	30	-	-	4·56	116	-	·84	5	23	20	7	4	1	0	1	10	1	1·30	66	16
	Ciliau Aeron	9 9 9	252	47·4	37·6	42·5	-	56	21	28	30	-	-	7·09	180	-	·87	20	23	19	3	0	4	0	0	-	2	1·31	-	16
Pembroke	Haverfordwest	2121 9	233	47·6	38·2	42·9	+1·0	53	22	28	15,30	-	-	6·39	162	-	·89	20	27	22	9	2	1	0	1	-	-	1·12	61	14
	St. Ann's Hd. ¶§	18-7 7	142	47·4	42·5	44·9	+0·2	53	8,12,13	29	30	-	-	5·00	129	153	1·20	20	24	19	3	0	0	1	0	-	20	0·85	51	10
Radnor	Llandrindod Wells	9 9·9	772	45·0	34·6	39·8	-	53	21,22	21	15	-	-	5·86	149	-	·81	5	22	20	5	1	0	0	1	-	1	0·79	-	10
	Rhayader ¶§	9 9 9	757	47·6	35·1	41·3	+2·0	54	21	24	15	-	-	9·46	240	181	1·23	5	23	21	5	1	0	0	1	11	1	0·65	45	8
Brecknock	Cantref	9 9 9	1080	41·7	33·9	37·8	-	50	12,21,22	24	30,31	-	-	12·13	308	-	1·49	12	25	25	4	3	0	1	3	-	-	0·86	-	10
Glamorgan	Cardiff	2121 9	202	47·0	37·2	42·1	+1·5	54	22	27	29,30	42·6	46·0	4·90	124	132	·84	5	24	20	2	2	0	0	1	6	0	1·10	63	13
	Swansea	9 9 9	32	48·1	39·9	44·0	+2·1	53	21,22	30	29,30	43·5	50·3	5·96	151	-	·65	20	25	23	3	2	1	0	3	9	-	1·19	75	14
8b ENGLAND, S.W.																														
Monmouth	Newport	9 9 9	265	46·9	37·1	42·0	+0·5	53	21,22	26	30	42·7	45·8	4·71	120	-	·76	12	21	17	-	-	-	-	0	-	-	1·29	-	16
	Usk	9 9 9	70	48·2	35·7	41·9	+1·8	54	2,6	24	14	42·6	-	7·69	195	-	1·85	5	21	20	2	2	1	0	1	13	0	1·07	67	12
Somerset	Bath ¶§	9 9 9	67	48·4	37·9	43·1	+2·6	55	21	28	29	43·0	46·4	4·23	107	176	·61	17	22	17	3	2	0	0	1	-	0	1·35	80	16
	Cannington	9 9 9	95	48·8	38·3	43·5	-	55	3	27	15,29	-	-	4·61	117	-	·67	17	20	20	3	3	2	0	1	13	5	1·55	-	18
	Long Ashton	9 9 9	162	47·9	37·8	42·9	+1·4	55	21	27	29	-	-	4·43	113	154	·53	18	24	18	5	2	2	0	2	13	0	1·29	79	15

† Plant Breeding Station. ¶§ § *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 JANUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Percentage: Daily Mean	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
8b	ENGLAND, S.W.—*cont.*																													
Dorset	Holton Heath ..	9 9 9	64	48·6	37·3	42·9	+1·2	54	3	27	8	42·8	45·3	6·50	165	-	·87	17	26	21	2	2	0	0	0	10	0	1·57	85	19
	Portland Bill ..	18-7 7	32	48·8	43·8	46·3	+1·7	51	6,22,23	31	29	-	-	4·90	124	222	·83	1	25	20	2	0	0	0	0	-	1	-	-	-
	Shaftesbury ..	9 9 9	722	45·3	35·7	40·5	+1·4	50	6,12,22	25	29	-	-	5·56	141	214	·48	1	26	22	4	2	0	0	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	47·2	37·5	42·3	+1·8	53	21,22	27	30	-	-	7·68	195	160	1·34	5	26	25	5	2	9	1	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	48·0	37·5	42·7	+1·8	53	12,21,22	26	15	44·1	-	7·41	188	229	1·29	17	23	21	3	3	1	1	3	14	-	0·87	50	10
	Ilfracombe ..	9 9 9	25	49·8	41·6	45·7	+2·0	56	21,22	29	30	44·6	48·8	5·74	146	180	·71	17	24	22	3	2	0	0	0	2	-	1·01	67	12
	Killerton ..	9 9 9	159	48·5	37·6	43·1	+1·7	54	21	26	15	-	-	6·42	163	-	·98	17	23	21	-	-	-	-	0	13	-	-	-	-
	Moretonhampstead	9 9 9	798	46·1	37·3	41·7	-	52	21,22	26	29,30	42·7	45·2	10·95	278	-	1·41	21	26	24	8	2	3	1	3	8	2	0·99	-	12
	Newton Abbot ..	9 9 9	375	48·1	38·8	43·5	+1·2	54	3	28	30	-	-	7·37	187	223	·97	12	26	25	3	2	1	2	0	2	-	1·00	47	12
	Paignton ..	9 9 9	12	49·8	39·2	44·5	+1·9	54	6,12,21	28	26	-	-	7·92	201	-	1·14	21	25	20	2	0	2	1	0	7	-	1·08	57	13
	Plymouth (Hoe)	2121 9	117	49·3	41·2	45·3	+1·8	53	6,22,25	32	29	45·3	48·0	4·90	124	148	·68	12	26	22	2	0	1	0	0	6	6	0·91	48	11
	Plymouth (Mount Batten) ..	18-7 7	82	49·0	43·2	46·1	+1·6	54	22	32	29	-	-	4·53	115	-	·55	12	28	21	1	0	2	0	0	2	11	0·95	50	11
	Princetown ..	9 9 9	1430	43·7	35·2	39·5	+2·1	50	21,22	25	29	-	-	14·27	362	178	2·73	12	26	25	4	3	2	0	13	11	-	-	-	-
	Sidmouth ..	9 9 9	25	49·8	39·8	44·8	+2·5	55	3,5,6	30	20,29,30	-	-	4·23	107	-	·51	17	24	19	2	2	0	1	0	7	-	1·13	-	13
	Tavistock ..	9 9 9	457	47·8	39·5	43·7	+2·0	52	12,21,22	29	15,29,30	-	45·6	7·74	197	172	1·08	17	27	21	3	0	6	0	0	11	6	-	-	-
	Teignmouth ..	9 9 9	20	49·6	40·6	45·1	+2·0	56	3	31	15,29	-	-	7·00	178	240	·93	17,21	22	19	2	1	1	2	0	-	-	0·96	48	11
	Torquay	9 9 9	27	50·2	39·5	44·9	+1·8	55	6	30	15	-	47·2	7·27	185	237	·99	17	24	20	2	0	2	1	1	5	1	1·16	56	14
Cornwall	Falmouth Obs. ¶§	9 9 9	167	49·8	42·0	45·9	+2·1	54	12,21	32	15	45·1	48·1	6·69	170	158	·67	12	28	26	0	0	4	1	0	6	-	1·01	52	12
	Fowey	9 9 9	51	49·8	41·2	45·5	+1·3	54	21	31	15	-	-	4·84	123	-	·48	12	25	24	1	0	0	1	0	-	-	0·99	52	12
	Gulval	9 9 9	20	50·3	42·0	46·1	+1·2	54	6,12,21	32	15	-	-	5·74	146	-	·70	12	26	24	2	0	2	1	-	5	-	0·90	46	11
	The Lizard ..	18-7 7	240	49·2	44·3	46·7	-	53	21	37	15,29	-	-	5·51	140	-	·48	20	28	25	1	0	4	0	0	-	7	-	-	-
	Newquay ..	9 9 9	190	49·0	41·6	45·3	+1·8	55	21	31	15	45·6	48·4	5·28	134	172	·76	20	27	23	2	0	2	1	0	-	5	1·05	55	12
	Redruth	9 9 9	397	48·0	40·2	44·1	+1·3	53	21	31	15,29	-	-	8·52	216	202	1·03	20	29	26	0	0	5	1	0	8	5	-	-	-
9	IRELAND, N.																													
Sligo	Markree Cas. ¶§	2121 9	122	46·9	35·7	41·3	+0·4	56	11	23	20	42·5	45·6	5·39	137	137	·70	15	23	21	4	0	4	1	0	-	7	1·24	92	16
Mayo	Blacksod Pt. ¶	18-7 7	18	47·5	39·3	43·4	-0·7	54	10	32	30	-	-	8·88	226	175	·93	15	27	25	2	0	16	0	0	-	9	-	-	-
	Mallaranny §	9 9 9	113	47·1	38·5	42·8	-0·7	55	11	31	30	-	-	7·11	181	-	·94	5	27	24	-	-	-	-	0	-	-	0·92	74	12
Donegal	Malin Head ¶§	18-7 7	84	45·6	38·0	41·8	-0·9	55	11	31	20	-	-	5·56	141	214	·59	21	22	19	1	0	12	2	0	-	1	1·06	94	148
Antrim	Aldergrove ..	18-7 7	238	44·7	37·6	41·1	-	54	11	26	19	-	-	4·48	114	163	·52	12	23	18	3	2	1	1	1	6	1	1·15	-	15
Down	†Donaghadee ..	8 8 8	40	47·1	37·2	42·1	+1·2	53	22	30	19,20	-	-	4·29	109	170	·57	17	22	17	-	-	-	-	0	-	-	1·27	-	16
	Hillsborough ..	9 9 9	388	45·1	35·8	40·5	-	51	11,12,22	29	14,20,30	41·7	-	5·37	136	-	·54	17,21	24	18	4	2	0	0	0	9	1	1·12	-	14
Armagh	Armagh .. ¶§	2121 9	204	46·3	36·5	41·4	+0·8	54	11	29	19,20	41·3	44·3	4·62	117	183	·52	11	19	15	1	0	0	1	0	8	2	1·45	99	18
Longford	Newtownforbes ..	2121 9	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	IRELAND, S.																													
Dublin	Dublin City .. ¶	2121 9	54	48·2	39·1	43·7	+1·0	57	3	32	14,30	-	-	4·25	108	186	·63	21	20	15	1	0	0	0	3	7	0	-	-	-
	„ Glasnevin ..	2121 9	55	48·7	36·7	42·7	+1·0	57	12	26	8,14,19	-	-	3·67	93	158	·49	16	23	15	3	0	0	1	5	(14)	1	-	-	-
	„ Phœnix Pk. §	2121 9	155	48·0	36·5	42·3	+1·2	56	11	25	14	-	-	2·80	71	123	·40	23	23	15	2	1	1	2	0	14	3	1·65	90	20
	„ Trin. Coll. ..	2121 9	13	48·6	39·2	43·9	+0·9	55	11,12,22	32	8,14,19	42·6	45·1	3·96	101	183	·62	21	19	13	2	0	2	0	-	9	1	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	(48·5	35·6	42·1)	-	56	2	(29	14,15,16)	43·2	44·1	3·43	87	-	·45	11	19	16	-	-	-	-	0	-	-	1·66	-	21
	Rathfarnham ..	9 9 9	169	48·3	38·4	43·3	-	57	11	29	14	42·5	-	5·82	148	-	·81	21	19	17	4	1	1	0	0	10	-	1·70	-	21
Wicklow	Newcastle ..	2121 9	256	47·0	36·3	41·7	-0·2	52	2,3,11	30	20	-	-	7·14	178	-	1·02	16	24	17	1	0	1	0	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18-7 7	173	46·0	37·7	41·9	0·0	54	11	27	14	42·8	45·7	4·48	114	158	·56	21	23	19	4	0	1	0	0	12	0	1·35	85	17
Waterford	Seskin, Carrick-on-Suir	2121 9	535	45·2	36·4	40·8	-0·3	51	11	29	20	-	-	9·06	230	-	1·11	15	28	24	2	2	1	5	1	13	10	0·70	39	8
	Waterford ¶	9 9 9	137	48·5	38·0	43·3	+1·0	54	5,6	27	14	-	-	6·43	163	176	·78	17	28	21	1	0	1	1	11	-	7	-	-	-
Limerick	Foynes	9 9 9	43	48·1	38·3	43·2	+0·7	56	11	31	20	-	-	6·76	172	179	·85	15	25	23	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	48·7	41·7	45·2	+0·3	54	11	34	14	44·4	47·5	11·64	296	213	1·58	27	30	25	2	0	14	3	0	2	7	1·04	73	138
		18-7 -	—	48·4	42·1	45·3	-0·4																							
Cork	Ballinacurra §	9 9 9	24	49·4	37·7	43·5	+0·8	55	6	26	14,15	-	-	7·63	194	192	1·01	26	27	24	0	0	2	0	-	-	-	1·13	72	14
	Cork	9 9 9	57	49·5	37·1	43·3	+0·8	58	3	26	14	-	-	9·04	230	223	1·03	21	27	25	2	0	0	1	0	12	-	(0·97)	-	(11)
	Roche's Pt. ¶	18-7 7	22	48·5	42·6	45·5	+0·6	55	6	33	14	-	-	7·26	185	176	·77	26	29	25	1	0	4	1	0	-	6	-	-	-
11	CHANNEL ISLES AND SCILLY																													
Scilly	St. Mary's ¶§	18-7 7	163	49·6	44·8	47·2	+0·5	54	22	38	15,20	-	-	5·32	135	178	·47	31	27	24	1	0	8	0	0	-	7	1·21	61	14
Guernsey	St. Peter Port ¶§	18-7 7	175	49·1	43·8	46·5	+1·6	53	18,22	36	26	44·9	47·5	5·25	133	180	·85	1	26	19	0	0	2	0	0	4	1	1·43	71	17
Jersey	St. Heliers ¶§	9 9 9	28	49·1	42·2	45·7	+2·2	53	18,24	37	8,12,15	-	-	4·82	122	163	·61	1	22	18	0	0	0	0	1	-	-	1·86	85	21
GIBRALTAR		18-7 7	393	58·2	52·2	55·2	-0·1	62	30,31	45	28	-	-	5·43	138	-	1·01	23,27	11	10	0	0	1	4	0	0	4	-	-	-
MALTA		18-7 7	231	59·2	51·6	55·4	+1·3	68	26	43	12,15	-	-	2·02	51	69	·94	1	8	7	0	0	0	0	0	-	1	5·57	111	56

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	46·3	36·0	42·8
	„	18	46·7	36·0	43·0

TABLE III (*b*)—SKY OBSERVATIONS, JANUARY, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number	NIGHT SKY RECORDER**	GREENWICH	PORTON
Persistently overcast days	4	Recorder in operation on	31 nights	31 nights
„ cloudless „	0	Average exposure (hours)	13·28	12·76
„ foggy „	0	Polaris unobscured (per cent.)	34	34
		δ Ursæ Minoris (ditto)	30	26

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

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	Cal./cm.²/diem.
Max. (on 7)	275
Mean	53

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	No. of OBSERVATIONS: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: NUMBER OF OBSERVATIONS: FOG: 0	1	2	3	MIST: 4	POOR VIS.: 5	MOD. VIS.: 6	GOOD VISIBILITY: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
	1	160	1003·7	-	40·7	1·4	7·7	87	7·9	0	1	7	11	12	0	0	0	0	0	0	8	11	12	0	11	10	5	5	0	1	0	2	8	10	5	5	0
	7	160	1003·3	-3·6	40·4	1·5	7·3	87	8·6	0	0	7	10	14	0	0	0	0	0	0	11	6	14	0	11	9	7	4	0	0	2	4	8	5	7	4	1
Shetlands Lerwick	13	160	1003·1	-	40·7	1·3	7·7	89	9·1	0	0	2	11	18	0	0	0	0	0	1	10	10	10	0	11	12	5	3	0	0	1	1	11	6	9	2	1
	18	160	1003·0	-	40·8	1·5	7·6	87	8·2	0	1	6	10	14	0	0	0	0	0	1	8	11	11	0	13	11	4	3	0	0	1	1	9	9	5	5	1
	9	165	1001·4	-	40·6	1·5	7·6	87	7·4	0	3	10	5	13	0	0	0	0	0	0	8	8	15	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orkneys Deerness	21	165	1002·1	-	40·5	1·5	7·6	87	7·4	0	6	3	14	8	0	0	0	0	0	0	0	2	29	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	83	998·2	-	42·5	1·6	8·1	87	8·3	1	2	2	6	20	0	0	0	0	0	0	1	15	14	1	5	9	14	3	0	0	0	4	7	7	8	4	1
	7	83	997·9	-10·1	42·7	1·5	8·2	87	7·8	0	3	5	7	16	0	0	0	0	0	0	1	11	17	2	3	16	10	2	0	0	0	4	3	12	7	3	2
Hebrides Stornoway ..	13	83	998·3	-	43·3	2·2	7·7	81	7·7	0	0	8	10	13	0	0	0	0	0	0	1	1	23	6	4	16	8	3	0	0	0	3	6	8	8	5	1
	18	83	997·9	-	42·6	1·9	7·9	84	7·9	0	1	7	8	15	0	0	0	0	0	0	3	8	18	2	4	12	11	4	0	0	0	3	7	9	9	2	1
	1	79	1001·5	-	40·1	0·7	7·9	93	8·1	0	5	1	7	18	0	0	0	0	0	3	11	1	16	0	11	4	8	8	0	0	1	2	6	9	8	4	1
	7	79	1001·0	-7·3	40·4	0·8	7·7	93	8·5	0	3	3	7	18	0	0	0	0	0	5	8	5	13	0	13	2	7	9	0	0	0	2	7	10	8	1	3
Caithness Wick	13	79	1001·0	-	41·6	1·0	8·3	91	8·7	0	2	1	14	14	0	0	0	0	0	2	7	6	16	0	9	5	10	7	0	0	0	1	7	11	6	5	1
	18	79	1001·3	-	40·6	1·0	8·0	91	8·5	0	0	2	16	13	0	0	0	0	0	5	7	6	13	0	12	4	9	6	0	0	0	2	7	9	6	5	2
	7	1180	958·7	-	35·4	1·1	6·1	89	8·3	0	4	1	7	19	0	0	0	0	1	0	10	15	5	0	1	3	14	11	2	0	3	1	2	13	8	1	1
Inverness Dalwhinnie† ..	13	1180	959·0	-	37·6	1·5	6·7	86	8·7	0	1	3	9	18	0	0	0	0	0	0	8	17	6	0	1	3	15	12	0	0	3	1	3	15	8	1	0
	18	1180	959·3	-	35·8	1·2	6·3	88	8·2	0	2	5	7	17	0	0	0	0	2	2	10	14	3	0	3	2	14	12	0	0	2	1	5	15	6	2	0
	9	250	1001·4	-	40·4	2·8	6·3	75	5·2	0	7	16	7	1	0	0	0	0	0	0	2	0	7	22	0	0	5	25	1	0	1	2	4	4	14	3	2
Inverness Inverness	17	250	1001·3	-	40·4	0·9	7·7	92	4·9	0	10	15	5	1	0	0	0	0	0	0	0	1	9	21	0	0	2	29	0	0	1	1	6	2	15	5	1
1 SCOTLAND, E.																																					
	7	85	1002·8	-8·0	40·2	1·9	7·2	84	6·8	1	9	0	6	15	0	0	0	0	0	1	16	9	5	0	0	7	13	10	1	0	0	3	6	11	6	2	2
	13	85	1003·0	-7·9	41·6	2·3	7·2	81	7·2	0	8	2	8	13	0	0	0	0	1	1	19	5	5	0	0	6	14	11	0	0	0	4	6	11	6	1	3
Aberdeen Aberdeen H	18	85	1003·4	-7·7	40·9	2·1	7·1	81	7·0	1	6	3	8	13	0	0	0	0	2	3	16	8	2	0	0	9	10	11	1	0	0	4	8	7	7	3	1
	21	85	1003·6	-7·6	40·2	2·0	7·0	82	6·4	6	5	1	2	17	0	0	0	0	0	1	19	10	1	0	0	8	10	13	0	0	0	3	9	9	4	4	2
	h.*	85	1003·2	-8·0	40·6	2·1	7·1	82																													
Aberdeen Braemar‡	9	1108	1003·9	-	35·9	1·4	6·2	86	8·8	1	1	1	6	22	0	0	0	0	0	1	20	10	0	0	0	3	6	20	2	0	0	6	1	5	9	5	3
	9	482	1002·3	-	38·6	1·5	7·0	86	7·8	0	6	3	4	18	-	-	-	-	-	-	-	-	-	-	1	4	9	17	0	0	0	10	0	6	2	11	2
Perth Crieff	21	482	1002·4	-	38·5	1·5	7·0	86	7·8	1	6	2	0	22	-	-	-	-	-	-	-	-	-	-	1	6	10	14	0	1	0	11	2	5	3	7	2
	1	184	1003·5	-	41·1	0·6	8·2	95	6·7	0	7	6	10	8	0	0	0	0	0	0	2	13	16	0	0	4	17	10	0	0	0	6	7	3	14	1	0
	7	184	1002·5	-	41·5	0·8	8·1	93	7·2	0	6	3	15	7	0	0	0	0	0	0	1	7	23	0	0	3	14	14	0	0	5	6	8	12	0	0	0
Fife Inchkeith	13	184	1002·9	-	42·3	1·1	8·2	91	8·1	0	2	4	18	7	0	0	0	0	1	0	3	10	17	0	0	6	14	11	0	0	0	7	4	7	12	1	0
	18	184	1003·3	-	41·5	0·9	8·1	92	7·2	0	4	7	11	9	0	0	0	0	0	0	3	14	14	0	0	4	13	14	0	0	0	7	4	7	12	1	0
	7	36	1002·7	-	40·4	1·9	7·3	84	7·1	3	4	3	11	10	0	0	0	0	0	1	4	17	9	0	0	2	14	15	0	0	0	5	8	7	4	6	1
Fife Leuchars.. H	13	36	1002·9	-	42·2	2·2	7·5	81	7·8	1	3	4	11	12	0	0	0	0	2	1	9	11	5	3	0	3	15	13	0	0	0	6	9	2	5	7	2
	18	36	1003·3	-	40·3	1·9	7·2	84	6·9	1	8	1	10	11	0	0	0	0	0	0	12	12	4	3	0	5	13	13	0	0	0	6	8	3	9	4	1
Mid Lothian Edinburgh ..	9	441	1003·2	-	39·6	1·9	7·0	83	6·6	0	7	7	6	11	0	1	0	0	1	6	17	6	0	0	1	5	12	13	0	1	1	6	5	9	6	3	0
(Blackford Hill)	21	441	1003·3	-	39·6	1·8	7·1	84	7·8	1	4	3	6	17	0	0	0	0	3	8	13	5	2	0	0	4	14	12	1	0	2	5	5	7	8	3	0
6a SCOTLAND, W.																																					
	7	40	998·7	-	43·0	2·0	7·8	83	7·3	0	3	8	14	6	0	0	0	0	0	0	1	16	14	0	1	15	13	2	0	0	1	4	5	9	3	5	4
Argyll Tiree	13	40	999·1	-	43·5	2·1	7·7	83	8·4	0	3	2	13	13	0	0	0	0	0	0	6	9	13	3	2	15	11	3	0	0	0	4	8	8	2	7	2
	18	40	998·7	-	43·0	2·0	7·8	83	7·8	0	3	4	11	13	0	0	0	0	0	0	8	8	13	2	2	14	11	4	0	0	0	5	7	7	5	6	1
	9	187	1001·2	-	41·5	1·8	7·4	84	7·6	0	3	3	16	9	0	0	0	0	0	0	14	8	9	0	4	5	16	5	1	0	0	5	8	7	4	1	5
Bute Rothesay	21	187	1001·2	-	41·5	1·7	7·5	85	7·8	0	4	5	9	13	0	0	0	0	0	2	9	17	3	0	3	6	16	5	1	0	0	6	5	9	2	3	5
	7	24	1002·2	-	40·5	1·4	7·7	87	7·1	5	1	4	8	13	0	0	1	0	0	4	11	14	1	0	0	3	15	11	2	0	1	8	3	7	5	4	1
Renfrew Renfrew	13	24	1002·6	-	43·0	2·3	7·6	81	8·5	1	1	3	10	16	0	0	1	1	1	8	8	5	6	1	0	1	14	13	3	0	0	8	5	5	5	4	1
(Abbotsinch)	18	24	1002·8	-	41·2	1·8	7·4	84	8·0	1	2	4	8	16	0	0	0	0	4	8	11	7	1	0	0	2	12	16	1	0	0	7	6	5	7	4	1
	7	778	1003·8	-	37·0	1·0	6·8	91	7·7	3	3	1	7	17	0	0	0	1	0	4	12	10	4	0	0	7	10	11	3	0	1	4	3	9	6	5	0
	13	778	1003·5	-	39·4	1·5	7·1	87	8·7	0	3	2	5	21	0	1	0	0	0	1	13	10	6	0	2	7	13	8	1	0	1	4	3	10	8	3	1
Dumfries Eskdalemuir‡‡ H	18	778	1004·0	-	37·6	1·2	6·8	89	8·5	0	2	2	12	15	0	0	1	0	0	3	14	8	5	0	0	8	12	8	3	0	1	5	4	8	7	2	1
	21	778	1004·2	-	37·8	1·1	6·8	89	8·9	0	1	1	14	15	0	0	0	0	0	4	16	8	2	1	1	4	14	11	1	1	2	3	5	9	6	2	2
	h.*	778	1003·9	-	37·9	1·2	6·9	89																													
6b ISLE OF MAN																																					
Isle of Man Douglas .. H	9	286	1003·4	-11·2	42·6	1·5	8·3	87	7·0	0	3	8	18	2	0	0	0	0	1	2	23	4	1	0	0	14	14	3	0	0	0	6	5	8	2	8	2
	7	31	1003·3	-	42·4	0·8	8·5	92	7·3	1	6	2	7	15	0	0	0	0	0	0	0	7	24	0	0	12	13	6	0	0	0	2	4	8	6	7	4
Isle of Man Point of Ayre ..	13	31	1003·3	-	44·7	1·5	8·8	87	8·4	0	2	2	15	12	0	0	0	0	0	0	0	10	21	0	2	13	12	4	0	1	0	0	4	8	7	8	3
	18	31	1003·5	-	43·1	1·1	8·6	90	7·9	0	6	2	9	14	0	0	0	0	0	0	0	10	21	0	1	11	12	7	0	1	0	1	5	9	5	7	3
2 ENGLAND, N.E.																																					
	9	331	1003·8	-	38·9	1·9	6·6	83	7·3	3	2	4	6	16	0	0	1	0	3	6	9	3	9	0	0	4	12	15	0	0	0	4	5	5	9	7	1
Northumberland Cockle Park ..	21	331	1004·5	-	39·3	1·6	6·9	84	7·4	2	7	1	3	18	0	1	1	3	5	3	13	4	1	0	1	4	16	9	1	1	0	4	7	4	7	5	2
	1	122	1005·2	-	40·9	1·7	7·4	85	7·4	2	4	5	3	17	0	0	0	0	0	2	14	13	2	0	6	4	9	12	0	1	0	3	5	7	6	9	0
Northumberland Tynemouth ..	7	122	1004·9	-8·3	41·0	1·8	7·4	85	7·2	1	6	5	6	13	0	0	0	0	1	0	16	12	2	0	3	4	11	13	0	0	0	2	4	9	5	10	1
	13	122	1004·9	-	42·3	2·1	7·5	81	7·5	0	5	6	11	9	0	0	0	3	2	5	12	8	1	0	5	4	6	16	0	0	0	0	1	6	8	8	0
	18	122	1005·3	-	41·8	2·0	7·4	82	7·7	0	3	7	8	13	0	0	0	0	1	5	14	9	2	0	3	5	11	12	0	1	0	2	6	7	7	8	0

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 962·2 mb.
‡‡ Mean pressures at Station Level are 974·8 mb. at 7 h., 974·7 mb. at 13 h., 975·2 mb. at 18 h., and 975·3 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 JANUARY, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY												
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																									
2 ENGLAND, N.E.—*cont.*			9	352	1005·9	-	38·9	1·3	7·1	88	6·7	3	5	4	3	16	0	0	1	0	5	6	10	7	2	0	0	4	7	19	1	0	1	3	2	13	5	6	0
Durham	Durham ..	..	21	352	1005·7	-	39·3	1·3	7·2	89	7·3	6	2	1	1	21	0	0	0	0	2	5	13	10	1	0	0	1	9	20	1	0	0	4	2	12	7	3	2
			7	186	1005·8	-	38·7	1·1	7·4	90	7·5	0	6	3	6	16	0	1	0	0	4	0	10	12	4	0	0	0	12	17	2	0	1	2	7	10	4	4	1
Yorks., N. Riding	Catterick ..	H	13	186	1005·6	-	41·4	1·8	7·7	85	8·0	1	4	0	11	15	0	0	1	1	1	7	9	3	8	1	0	1	9	19	2	0	2	3	7	7	3	7	0
			18	186	1005·9	-	40·0	1·5	7·4	87	7·0	1	5	8	3	14	0	0	0	2	8	3	3	5	10	0	0	0	12	16	3	1	0	3	7	7	5	3	2
Yorks., N. Riding	Scarborough ..		9	96	1006·8	-	40·8	1·5	7·5	86	6·4	0	9	2	17	3	0	0	1	0	5	4	14	6	1	0	1	1	10	19	0	0	0	1	10	6	6	7	1
			9	53	1007·7	-	39·7	1·0	7·6	91	7·0	5	3	1	5	17	-	-	-	-	-	-	-	-	-	-	0	0	3	28	0	3	2	0	5	14	3	3	1
	York ..	..	21	53	1007·2	-	40·5	1·2	7·7	90	7·8	5	1	1	2	22	-	-	-	-	-	-	-	-	-	-	0	0	3	28	0	0	3	4	5	11	4	4	0
			1	28	1006·9	-	40·2	1·1	7·6	89	7·0	2	5	4	5	15	0	1	0	0	1	0	4	24	1	0	4	9	13	5	0	2	0	3	6	9	5	3	3
Yorks., E. Riding			7	28	1007·0	-7·5	40·0	0·9	7·7	91	7·7	0	6	1	7	17	1	0	0	0	0	0	4	26	0	0	3	7	15	6	0	1	0	4	5	10	7	3	1
	Spurn Head ..		13	28	1006·8	-	42·1	1·3	8·1	88	8·3	0	3	1	13	14	0	1	1	0	0	0	9	20	0	0	2	10	14	5	0	1	1	4	6	8	6	3	2
			18	28	1006·5	-	41·4	1·1	8·1	90	7·4	0	6	3	9	13	0	1	0	0	0	2	7	21	0	0	4	9	12	6	0	1	1	4	9	6	5	3	2
			7	208	1008·5	-	37·9	0·8	7·3	92	7·1	2	6	2	7	14	0	1	0	1	3	6	8	10	2	0	0	0	15	15	1	1	1	4	7	6	6	5	0
Lincoln	†Cranwell ..	H	13	208	1007·9	-	42·6	1·7	8·1	86	7·7	1	3	5	7	15	0	0	0	0	2	6	12	5	6	0	0	2	14	15	0	0	3	3	8	5	4	7	1
			18	208	1007·8	-	40·1	1·1	7·7	90	7·9	2	3	3	5	18	1	1	0	2	1	7	7	11	1	0	0	4	14	12	1	0	1	4	9	4	6	3	3
3 ENGLAND, E.																																						
Norfolk	Cromer ..	H	9	74	1009·2	-	40·7	0·9	8·1	92	6·9	4	1	8	5	13	0	0	0	1	0	1	27	2	0	0	0	4	8	19	0	2	1	4	6	8	6	3	1
			1	26	1010·3	-	40·0	1·0	7·7	91	7·0	7	1	2	4	17	0	0	0	1	0	2	19	9	0	0	0	6	13	12	0	1	2	2	7	8	5	4	2
Norfolk	Yarmouth..	..	7	26	1010·0	-5·8	40·1	1·0	7·7	91	7·0	1	8	3	4	15	0	0	0	0	0	0	25	6	0	0	0	6	15	10	0	0	5	1	6	8	6	3	2
			13	26	1009·4	-	43·6	1·7	8·3	86	7·6	1	5	2	10	13	0	0	0	0	1	3	24	3	0	0	0	9	12	10	0	1	3	2	8	8	5	3	1
			18	26	1009·3	-	42·4	1·4	8·1	87	7·9	4	1	2	7	17	0	0	0	1	1	5	19	5	0	0	1	5	15	10	0	1	2	5	7	7	5	3	1
			7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Suffolk	Felixstowe Aero.		13	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			7	21	1009·2	-	39·6	0·9	7·8	92	7·5	4	3	2	4	18	1	0	0	1	0	1	13	14	1	0	0	3	12	15	1	1	3	2	5	9	7	3	0
Suffolk	Mildenhall ..		13	21	1008·7	-	44·3	2·1	8·4	83	8·0	2	3	0	9	17	0	1	0	1	0	7	7	10	5	0	0	5	13	13	0	1	2	3	5	8	4	8	0
			18	21	1008·6	-	41·9	1·4	8·2	88	7·3	4	4	1	5	17	0	0	0	1	4	4	8	11	3	0	0	3	13	14	1	1	1	3	10	6	4	4	1
			9	43	1009·5	-7·6	40·6	1·0	8·1	91	6·6	8	1	2	4	16	-	-	-	-	-	-	-	-	-	-	0	1	4	26	0	1	4	1	5	5	8	6	1
Cambridge	Cambridge	H	21	43	1009·6	-7·2	41·0	1·2	8·0	89	5·8	9	4	1	2	15	-	-	-	-	-	-	-	-	-	-	0	0	6	23	2	1	3	3	5	6	7	3	1
Hertford	Rothamsted ..		9	396	1008·1	-	39·7	0·8	7·6	92	7·1	4	3	2	10	12	0	0	1	3	0	16	11	0	0	0	0	0	8	19	4	1	6	3	7	4	3	3	0
			7	12	1010·3	-	41·0	1·2	7·9	90	7·2	1	6	4	5	15	0	0	0	0	0	5	12	10	4	0	0	1	9	21	0	3	2	3	2	11	6	4	0
Essex	Shoeburyness	H	13	12	1009·8	-	44·8	2·0	8·5	84	8·1	2	2	2	11	14	0	0	0	0	4	3	13	7	4	0	0	2	14	15	0	1	2	2	5	9	7	4	1
			18	12	1009·5	-	43·1	1·6	8·3	87	7·7	3	2	2	10	14	0	0	1	0	3	5	7	12	3	0	0	2	15	14	0	2	1	3	5	11	5	4	0
4 MIDLAND COUNTIES																																						
Yorks., W. Riding	Harrogate..	..	9	478	1007·0	-	38·3	1·1	7·1	90	7·3	1	7	1	5	17	0	1	1	5	8	4	5	3	2	2	1	1	7	22	0	0	0	3	4	12	9	3	0
Nottingham	Nottingham ..		9	215	1007·4	-	40·5	1·7	7·2	84	7·6	3	2	3	7	16	0	0	5	5	8	2	9	2	0	0	0	0	8	23	0	1	4	2	3	8	1	12	0
			7	542	1008·0	-	39·3	1·2	7·5	90	7·9	2	4	1	6	18	0	0	1	0	1	4	3	6	16	0	0	0	9	22	0	1	2	3	4	12	6	3	0
Warwick	Birmingham	H	13	542	1007·1	-	42·3	2·0	7·8	83	7·8	0	4	4	10	13	0	0	0	3	5	5	9	4	5	0	0	0	15	15	1	0	1	5	3	9	7	4	1
			18	542	1007·4	-	41·1	1·7	7·7	85	8·7	1	2	3	4	21	0	0	0	2	1	5	12	3	8	0	0	0	14	16	1	1	1	6	5	8	4	4	1
Oxford	Oxford ..	..	9	212	1009·1	-8·5	40·6	1·2	7·7	89	7·4	2	6	0	7	16	0	0	1	0	3	10	11	4	2	0	0	1	9	21	0	1	4	2	7	7	6	3	1
Shropshire	Shrewsbury	H	9	186	1007·1	.-	40·4	1·4	7·6	88	7·5	1	2	8	4	16	1	0	1	0	0	3	3	0	23	0	0	3	14	12	2	0	0	6	8	7	1	6	1
			7	226	1007·5	-	41·5	1·5	7·9	87	7·7	2	5	1	6	17	0	0	0	0	4	0	9	8	10	0	0	1	10	20	0	1	2	4	3	9	8	4	0
Hereford	Ross-on-Wye	H	13	226	1006·7	-	44·4	2·5	8·1	81	8·2	0	4	3	10	14	0	0	0	0	3	3	9	8	8	0	0	0	14	17	0	0	2	4	3	5	11	5	1
			18	226	1006·9	-	42·8	1·9	8·0	84	8·1	0	4	2	8	17	0	0	0	1	3	4	12	5	6	0	0	0	9	22	0	0	2	5	5	7	7	5	0
			21	226	1007·0	-	42·1	1·9	7·8	84	7·6	1	7	0	5	18	0	0	1	0	3	3	11	7	6	0	0	1	11	19	0	0	1	5	1	11	7	6	0
			9	230	1008·5	-	41·8	1·5	7·9	87	7·8	0	3	5	11	12	0	0	0	1	1	13	2	14	0	0	0	2	2	25	2	0	1	2	4	8	8	5	1
Gloucester	Cheltenham	H	21	230	1008·0	-	42·3	1·7	7·9	85	7·6	0	3	6	10	12	0	1	0	0	0	4	10	15	1	0	0	3	2	26	0	0	2	2	2	7	7	7	4
5 ENGLAND, S.E.																																						
			9	152	1010·1	-7·9	41·0	1·1	8·2	91	7·1	5	3	1	7	15	0	0	0	6	7	9	9	0	0	0	0	1	11	19	0	2	2	4	2	8	8	5	0
London	*g* Greenwich	H	15	152	1008·9	-8·3	44·5	2·1	8·4	83	8·3	0	4	1	11	15	0	0	0	1	5	12	13	0	0	0	0	2	16	12	1	1	2	2	3	8	8	5	1
			21	152	1009·4	-8·3	42·0	1·6	8·0	87	7·8	4	2	0	9	16	0	0	0	1	2	5	22	1	0	0	0	1	14	16	0	0	3	3	2	9	8	4	2
			h.*	152	1009·6	-8·0	41·9																															
			7	34	1009·7	-7·8	40·8	1·2	7·8	90	7·7	1	5	3	6	16	0	0	0	0	0	2	16	10	3	0	0	1	8	22	0	0	6	3	4	9	8	1	0
London	Kew Obs'y.	H	13	34	1008·9	-8·5	45·4	2·5	8·3	81	7·7	1	5	2	9	14	0	0	1	1	3	7	17	1	1	0	0	0	17	14	0	1	3	2	4	9	7	5	0
			18	34	1009·0	-8·5	43·9	2·0	8·2	84	8·4	2	1	1	13	14	0	0	0	0	2	10	15	4	0	0	0	0	13	18	0	2	2	4	5	9	5	3	1
			21	34	1009·3	-8·4	43·1	1·8	8·0	85	8·0	4	0	2	10	15	0	0	0	1	2	3	16	9	0	0	0	1	10	19	1	0	4	5	5	5	7	3	1
			h.*	34	1009·4	-8·2	42·9	1·8	8·2	86																													
			9	66	1009·9	-	42·0	1·4	7·9	87	7·4	5	2	1	7	16	0	0	3	3	9	12	4	0	0	0	0	0	3	28	0	0	7	1	2	7	10	4	0
London	Kensington ..	..	15	—	-	-	45·5	2·7	8·2	79	8·4	0	3	4	8	16	-	-	-	-	-	-	-	-	-	-	0	0	3	28	0	0	5	1	5	5	11	2	2
			18	—	-	-	44·8	2·4	8·1	80	8·6	1	3	2	0	25	-	-	-	-	-	-	-	-	-	-	0	1	5	25	0	0	5	1	3	7	8	6	1
			1	225	1009·7	-	41·5	1·2	8·1	90	6·4	7	4	0	6	14	0	0	0	0	1	4	7	11	8	0	0	2	16	13	0	1	3	3	5	9	5	5	0
Surrey	Croydon ..	H	7	225	1009·4	-	41·2	1·0	8·1	91	7·6	2	4	2	6	17	0	0	0	0	4	4	7	12	4	0	0	1	15	15	0	0	7	1	4	9	7	3	0
			13	225	1008·9	-	45·5	2·4	8·6	82	7·6	1	7	0	10	13	0	0	0	2	4	1	21	3	0	0	0	4	16	11	0	0	4	2	5	10	5	5	0
			18	225	1008·8	-	43·5	1·5	8·5	87	8·5	0	4	0	11	16	0	0	0	2	4	4	18	3	0	0	0	2	17	12	0	1	3	2	7	8	5	5	0
Surrey	Wisley ..	..	9	85	1009·3	-	42·3	1·5	8·0	87	7·7	3	2	2	10	14	0	0	0	1	2	6	11	11	0	0	0	0	3	28	0	1	5	2	1	8	10	4	0

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist: 4	Poor Vis.: 5	Mod. Vis.: 6	Good Visibility: 7	8	9	WIND, Number of Observations: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		G.M.T.	ft	mb	mb	°F	°F	mb	%																													
5 ENGLAND, S.E.—*cont.*		7	572	1010·0	-	39·9	1·0	7·7	90	7·5	1	6	2	6	16	0	0	2	0	5	4	6	5	8	1	0	6	14	10	1	2	4	1	2	11	6	4	0
Kent	Biggin Hill H	13	572	1009·4	-	43·5	2·2	8·0	82	7·7	1	5	2	10	13	0	1	1	1	3	1	11	10	3	0	0	7	13	10	1	1	2	3	5	8	7	4	0
		18	572	1009·2	-	41·9	1·5	8·0	87	8·3	2	3	0	7	19	0	0	1	1	5	2	10	10	2	0	0	8	13	9	1	1	3	2	6	8	7	3	0
		7	—	-	-	42·6	0·8	8·6	92	7·5	1	5	2	11	12	0	0	0	0	1	6	11	13	0	0	0	8	9	14	0	2	0	4	2	6	10	4	3
Kent	Dungeness ..	13	—	-	-	45·2	1·3	9·2	90	7·7	0	3	7	10	11	0	0	0	0	2	6	12	11	0	0	0	5	17	9	0	1	2	4	4	5	10	5	0
		18	—	-	-	44·6	1·1	9·1	90	7·5	0	3	7	13	8	0	0	0	0	0	6	16	9	0	0	0	8	12	10	1	0	1	5	4	6	9	4	1
		1	345	1011·3	-	40·9	1·2	7·9	89	6·6	4	5	3	5	14	0	0	0	1	1	4	5	11	9	0	0	0	17	14	0	2	3	2	3	10	3	6	2
Kent	Lympne .. H	7	345	1011·1	-	40·1	1·1	7·7	90	7·5	3	3	1	11	13	0	0	3	0	1	4	9	5	7	2	0	2	12	17	0	3	2	2	4	8	5	6	1
		13	345	1010·7	-	43·8	2·1	8·2	83	7·5	1	5	3	10	12	0	2	0	0	0	4	12	8	5	0	0	2	13	16	0	2	2	2	6	7	7	5	0
		18	345	1010·2	-	42·1	1·5	8·1	87	7·8	0	5	2	9	15	0	0	1	0	1	5	8	14	2	0	0	2	16	12	1	1	1	5	6	6	5	5	0
		1	141	1010·8	-	41·2	1·5	7·8	86	6·1	7	2	5	7	10	0	0	0	0	0	3	8	13	16	0	0	3	15	13	0	0	4	2	3	9	7	5	1
Kent	Manston	7	141	1010·4	-	40·7	1·3	7·8	88	7·5	1	6	0	11	13	0	0	0	0	1	3	9	11	7	0	0	2	16	13	0	2	2	2	4	9	8	3	1
		13	141	1010·0	-	44·2	2·3	8·2	81	7·9	2	2	2	10	15	0	1	0	0	2	3	10	8	7	0	0	3	16	12	0	3	1	3	3	9	7	4	1
		18	141	1009·8	-	42·5	1·7	8·0	85	7·1	0	7	4	5	15	0	0	0	1	1	3	12	9	5	0	0	1	17	12	1	1	2	3	5	8	9	2	0
Kent	Tunbridge Wells ..	9	407	1011·6	-	40·2	0·5	8·1	95	6·9	6	2	1	8	14	0	0	0	0	0	13	6	12	0	0	0	2	5	24	0	0	5	1	4	5	9	6	1
Sussex	Brighton .. H	9	48	1010·5	-	42·4	1·5	8·4	86	6·8	4	3	4	5	15	0	0	2	1	5	8	10	4	1	0	0	2	7	22	0	2	4	0	3	8	8	3	3
Sussex	Hastings .. H	9	154	1010·9	-	42·5	1·5	8·1	87	7·1	4	2	6	5	14	0	0	0	0	0	11	12	6	2	0	0	2	7	22	0	0	7	0	3	5	11	0	5
		21	154	1009·3	-	43·7	1·6	8·5	88	6·3	9	2	1	3	16	0	0	0	0	2	16	11	2	0	0	1	2	7	19	2	0	5	0	5	5	8	1	5
		7	15	1009·4	-	42·9	1·1	8·5	91	6·7	2	7	3	6	13	0	0	0	0	0	0	5	16	10	0	0	5	12	13	1	1	4	2	5	6	7	4	1
Hampshire	Calshot	13	15	1008·9	-	46·5	2·2	8·9	83	7·8	0	5	2	9	15	0	0	0	0	1	3	11	13	3	0	0	5	15	10	1	2	1	4	5	9	5	4	0
		18	15	1008·9	-	44·9	1·5	8·9	88	7·7	0	6	1	11	13	0	0	0	1	1	1	5	15	8	0	0	4	16	10	1	1	2	4	7	6	6	3	1
		9	84	1010·4	-7·4	42·6	1·2	8·3	89	7·3	4	1	5	8	13	0	0	2	3	1	11	14	0	0	0	0	5	6	20	0	2	5	1	5	5	6	7	0
Hampshire	Southampton ..	21	84	1009·8	-7·7	44·4	1·8	8·5	85	6·4	5	4	3	8	11	0	0	1	0	4	8	18	0	0	0	2	6	6	17	0	2	4	1	5	6	8	3	2
		7	256	1009·4	-	40·5	0·9	8·1	92	7·5	2	5	1	6	17	0	0	0	0	2	6	11	8	4	0	0	0	6	25	0	1	3	4	5	6	7	4	1
Hampshire	S. Farnborough H	13	256	1008·7	-	45·5	2·3	8·6	82	7·8	1	4	2	12	12	0	0	1	1	1	3	13	8	4	0	0	0	14	17	0	1	2	3	5	9	4	7	0
		18	256	1008·8	-	43·1	1·5	8·4	87	8·5	0	4	0	6	21	0	0	1	2	3	6	12	6	1	0	0	0	7	24	0	1	2	4	2	12	4	5	1
I. of Wight	Ventnor (Hosp.)	9	80	1010·2	-	45·0	1·7	8·8	86	6·9	1	9	1	5	15	-	-	-	-	-	-	-	-	-	-	0	3	10	18	0	1	1	6	0	5	7	9	2
		15	80	1009·5	-	46·3	1·8	9·2	96	8·0	0	4	5	4	18	-	-	-	-	-	-	-	-	-	-	0	3	9	19	0	1	0	4	1	7	7	8	3
		7	420	1008·9	-	40·1	0·5	8·3	95	7·5	2	6	1	3	19	0	0	0	0	1	2	17	11	0	0	0	2	8	21	0	0	4	3	5	8	4	5	2
Wiltshire	Amesbury H (Boscombe Down)	13	420	1008·3	-	44·4	1·6	8·7	87	8·5	0	4	2	7	18	0	0	1	1	0	5	6	14	4	0	0	4	16	11	0	1	2	3	6	8	5	4	2
		18	420	1008·4	-	42·2	1·0	8·4	91	8·0	0	4	4	6	17	0	0	1	0	0	2	13	14	1	0	0	2	16	13	0	1	3	2	7	8	4	4	2
		9	444	1009·3	-	40·7	0·8	8·2	93	7·9	1	2	5	10	13	0	1	2	0	1	0	9	15	3	0	0	3	15	12	1	0	3	3	4	9	4	7	0
Wiltshire	Larkhill .. H	13	444	1008·4	-	43·9	1·7	8·6	86	8·4	0	3	4	7	17	0	1	1	0	3	0	7	11	8	0	0	8	15	8	0	0	5	1	3	11	5	5	1
		15	444	1008·5	-	43·8	1·7	8·5	86	8·6	0	3	2	12	14	0	0	1	1	0	1	6	16	6	0	0	3	18	9	1	0	4	2	5	7	7	3	2
7a ENGLAND, N.W.																																						
Lancashire	Hutton	9	86	1006·4	-	41·1	1·3	7·7	88	8·3	0	0	1	26	4	-	-	-	-	-	-	-	-	-	-	0	4	10	17	0	0	2	3	13	4	8	1	0
		7	83	1006·3	-	41·0	1·6	7·7	86	7·4	3	4	2	5	17	1	1	0	0	1	4	12	12	0	0	0	4	14	12	1	0	0	5	8	9	3	5	0
Lancashire	Manchester H (Barton)	13	83	1005·9	-	43·8	2·4	8·0	81	8·5	0	2	3	11	15	1	0	0	1	2	10	9	8	0	0	0	5	13	12	1	0	1	5	7	7	4	5	1
		18	83	1006·0	-	42·3	1·9	7·8	84	8·9	0	1	3	9	18	1	0	0	1	3	11	10	5	0	0	0	3	12	16	0	1	0	5	10	6	4	4	1
Lancashire	Manchester (Whitworth Pk.)	9	127	1006·9	-	41·6	1·7	7·7	85	7·3	1	4	4	12	10	-	-	-	-	-	-	-	-	-	-	1	0	5	24	1	0	0	5	6	10	6	3	0
		21	127	1006·4	-	42·4	1·9	7·6	83	7·7	1	4	2	11	13	-	-	-	-	-	-	-	-	-	-	0	0	6	24	1	1	0	4	6	8	5	5	1
		9	37	1005·9	-9·8	41·1	1·8	7·6	85	8·3	0	5	2	6	18	0	1	0	1	5	8	5	6	5	0	0	7	11	12	1	0	0	4	8	9	2	6	1
Lancashire	Southport* H (Bedford Rd. Park)	15	37	1005·1	-	43·6	2·5	7·8	80	8·5	0	2	4	7	18	0	0	0	0	2	12	6	8	3	0	0	7	16	7	1	0	1	5	8	5	3	6	2
		21	37	1005·1	-10·5	41·9	1·9	7·7	84	7·8	0	3	5	6	17	0	0	0	2	3	16	5	3	2	0	0	6	18	6	1	0	0	4	9	7	3	4	3
		9	381	1006·8	-	40·1	1·5	7·3	87	8·6	0	2	2	9	18	0	0	0	1	1	4	17	2	6	0	0	7	9	13	2	1	0	6	2	7	5	8	0
Lancashire	Stonyhurst ..	21	381	1006·2	-	40·8	1·8	7·4	84	8·0	4	2	0	4	21	0	0	0	2	1	0	14	14	0	0	1	3	12	14	1	0	4	3	5	6	5	5	2
Cheshire	Bidston Obs'y. ..	9	202	1006·2	-	41·0	1·6	7·5	86	8·7	0	0	6	10	15	0	0	1	1	8	6	11	2	2	0	0	6	17	7	1	0	0	4	12	4	2	6	2
7b NORTH WALES.																																						
		7	19	1005·9	-	40·9	2·0	7·4	84	6·7	4	4	3	7	13	0	1	0	1	2	0	19	8	0	0	0	2	10	19	0	0	1	12	7	3	5	3	0
Flint	Sealand .. H	13	19	1005·6	-	44·1	2·8	7·8	78	8·9	0	1	2	9	19	0	0	0	0	1	5	10	12	3	0	0	4	16	11	0	1	2	8	8	2	6	4	0
		18	19	1005·6	-	42·5	2·1	7·7	83	8·3	1	2	2	11	15	0	0	0	0	5	5	13	8	0	0	0	1	16	14	0	0	1	9	10	2	4	4	1
		1	29	1003·9	-	44·3	1·6	8·7	87	6·7	0	6	7	9	9	0	0	0	0	0	0	2	14	15	0	0	11	15	5	0	1	0	5	1	11	5	6	2
Anglesey	Holyhead .. H	7	29	1003·7	-11·0	44·4	1·8	8·6	85	6·7	1	6	8	5	11	0	0	0	0	1	0	2	8	20	0	0	12	15	4	0	0	0	5	2	10	5	7	2
		13	29	1003·4	-	45·6	2·2	8·8	83	8·7	0	3	0	14	14	0	0	0	0	0	0	5	12	12	2	1	10	16	4	0	2	0	5	1	10	7	4	2
		18	29	1002·5	-	44·4	2·0	8·4	83	7·8	0	5	2	7	17	0	0	0	0	0	1	8	10	11	1	2	8	15	6	0	1	0	6	2	9	5	6	2
Carnarvon	Llandudno ..	9	33	1005·3	-	43·9	2·6	7·7	79	7·4	0	4	5	20	2	0	0	0	0	0	0	1	10	20	0	0	0	3	28	0	0	1	7	0	12	8	3	0
8a SOUTH WALES.																																						
Cardigan	Ciliau Aeron ..	9	256	1006·0	-	42·0	1·4	8·0	88	7·5	1	6	3	6	15	0	0	0	0	0	20	11	0	0	0	2	7	17	5	0	0	0	7	3	4	8	6	3
		1	152	1004·7	-	45·2	1·6	8·8	87	7·6	0	5	4	11	11	0	0	0	0	1	0	7	23	0	0	6	16	4	5	0	2	0	3	2	10	5	6	3
Pembroke	St. Ann's Head ..	7	152	1004·1	-11·5	45·4	1·8	8·7	85	7·5	0	4	7	10	10	0	0	0	0	0	0	7	23	1	0	7	10	8	6	0	0	1	2	6	8	4	8	2
		13	152	1003·8	-	46·1	1·7	9·1	87	8·5	0	2	2	15	12	0	0	0	0	0	2	11	17	1	0	8	13	6	4	0	1	1	3	3	8	7	7	1
		18	152	1003·7	-	45·5	1·8	8·7	85	8·5	0	1	4	15	11	0	0	0	0	0	1	11	18	1	0	7	11	9	4	0	1	0	4	4	7	6	5	4

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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 JANUARY, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist, Poor Vis., Mod. Vis.: 4	5	6	Good Visibility: 7	8	9	WIND, NUMBER OF OBSERVATIONS: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
8a SOUTH WALES—*cont.*																																					
Radnor Llandrindod Wells	9	725	1007·2	-	40·5	1·2	7·8	89	8·8	0	1	3	10	17	0	1	0	0	2	4	16	8	*0*	*0*	1	2	15	13	0	1	1	2	6	4	7	7	3
Rhayader	9	—	-	-	39·7	1·1	7·5	90	8·9	0	1	4	3	23	0	1	0	0	2	2	14	11	*1*	*0*	1	2	7	22	0	1	0	7	11	2	4	5	1
Glamorgan Cardiff	9	203	1008·3	-	41·8	1·1	8·1	90	7·5	3	4	1	7	16	0	0	1	0	3	5	21	*1*	*0*	*0*	0	2	12	17	0	2	3	1	3	5	11	5	1
	21	203	1007·4	-	41·9	1·0	8·2	91	7·4	7	0	1	4	19	0	0	0	0	0	0	25	*0*	*6*	*0*	0	1	9	21	0	0	5	7	8	0	2	8	1
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1008·3	-	43·1	1·4	8·3	88	7·7	2	5	1	4	19	0	0	0	1	1	12	*15*	*2*	*0*	*0*	0	1	6	24	0	1	1	8	3	7	4	6	1
Dorset Holton Heath H	9	58	1009·1	-	43·1	1·3	8·6	89	6·9	2	6	4	3	16	0	0	0	0	5	12	10	*3*	*1*	*0*	0	7	7	15	2	0	0	4	3	4	7	6	5
	15	58	1007·9	-	46·3	2·1	9·0	84	8·5	0	4	1	5	21	0	0	0	0	5	8	14	*4*	*0*	*0*	0	9	10	12	0	2	0	3	2	8	6	6	4
	1	37	1008·2	-	46·1	1·4	9·0	89	7·2	1	4	5	7	14	0	0	0	*0*	0	0	7	*12*	*12*	*0*	1	4	21	5	0	1	3	3	2	7	6	5	4
Dorset Portland Bill ..	7	37	1008·0	-8·2	45·9	1·6	9·2	87	8·6	0	2	2	9	18	0	0	0	*0*	0	0	3	*20*	*8*	*0*	0	7	18	6	0	0	1	4	3	6	7	6	4
	13	37	1007·5	-	47·8	1·4	10·2	89	8·5	0	1	4	8	18	0	0	0	*0*	0	0	*0*	*23*	*8*	*0*	0	8	16	7	0	1	1	3	2	9	10	4	1
	18	37	1007·7	-	46·7	1·3	9·9	90	8·5	0	0	4	10	17	0	0	0	*0*	0	0	3	*20*	*8*	*0*	0	6	19	6	0	0	1	4	3	9	4	6	4
Devon Moretonhampstead	9	801	1007·8	-	41·5	1·1	8·2	90	8·1	0	5	2	8	16	0	1	1	1	1	3	7	4	*13*	*0*	0	4	13	11	3	1	0	2	5	7	5	4	4
	15	801	1006·8	-	43·3	1·6	8·4	87	9·1	0	0	2	12	17	0	1	0	2	0	1	8	7	*12*	*0*	0	3	13	13	2	0	2	2	3	9	4	5	4
Devon Plymouth H	7	27	1007·2	-	45·0	1·0	9·5	91	8·0	0	4	3	9	15	0	0	0	0	0	1	9	10	11	*0*	0	7	12	11	1	1	1	5	3	8	6	5	1
(Mount Batten) ..	13	27	1006·9	-	47·3	1·5	9·9	88	9·1	0	1	2	12	16	0	0	0	0	2	0	11	8	10	*0*	3	4	13	11	0	0	2	3	4	10	7	3	2
	18	27	1006·9	-	46·5	1·4	9·7	89	8·6	0	3	3	4	21	0	0	0	0	0	2	19	7	3	*0*	2	7	11	10	1	1	1	3	4	8	4	8	1
	1	240	1007·2	-	46·7	1·5	9·7	89	7·9	0	3	6	16	0	0	0	0	0	1	5	*12*	*13*	*0*	0	13	13	4	1	0	3	2	4	7	8	5	1
Cornwall The Lizard ..	7	240	1006·3	-	47·2	1·6	9·2	87	7·8	0	4	6	3	18	0	0	0	0	1	1	8	*8*	*13*	*0*	2	7	19	3	0	0	3	2	7	9	4	5	1
	13	240	1006·2	-	47·9	1·7	9·8	86	9·1	0	1	1	12	17	0	0	0	1	0	3	7	*10*	*10*	*0*	1	12	17	1	0	0	1	3	7	8	7	4	1
	18	240	1006·2	-	46·8	1·4	9·8	89	8·5	0	2	4	7	18	0	0	0	1	0	3	5	9	*13*	*0*	1	10	16	4	0	1	2	2	7	8	4	6	1
Cornwall Newquay ..	9	161	1006·4	-	45·4	0·8	9·6	93	7·8	0	2	7	8	14	0	0	0	0	2	4	8	*11*	3	3	2	3	11	15	0	1	1	3	4	7	9	4	2
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1000·3	-	41·1	1·1	7·9	90	6·9	1	7	3	8	12	0	*0*	0	0	0	*0*	*8*	4	19	*0*	0	1	4	26	0	0	2	2	4	13	3	4	3
	21	127	999·6	-	41·4	1·0	8·5	95	7·9	1	3	5	8	14	0	*0*	0	0	0	*0*	7	10	14	*0*	0	4	6	17	4	0	1	4	3	11	2	4	2
	1	28	999·2	-	44·1	2·2	8·0	82	7·6	0	1	13	5	12	0	0	0	0	0	0	0	18	13	*0*	6	8	11	8	0	0	2	1	6	10	1	9	2
Mayo Blacksod Point ..	7	28	998·8	-	43·8	1·9	8·3	85	7·7	0	2	10	6	13	0	0	0	0	0	0	0	17	14	*0*	2	8	15	4	2	0	2	4	5	8	0	7	3
	13	28	998·6	-	44·8	2·1	8·4	83	8·4	0	0	8	8	15	0	0	0	0	0	0	0	9	19	3	4	10	11	6	0	0	1	5	4	8	3	9	1
	18	28	998·5	-	43·9	2·1	8·1	83	8·3	0	1	6	10	14	0	0	0	0	0	0	0	19	12	*0*	4	13	4	9	1	0	2	4	4	6	2	10	2
	1	87	999·4	-	42·4	0·9	8·4	92	6·5	1	8	2	15	5	0	0	0	0	0	0	1	29	1	*0*	0	5	16	10	0	0	2	4	3	14	3	5	0
Donegal Malin Head ..	7	87	999·3	-11·2	42·1	1·0	8·3	91	7·1	0	6	2	17	6	0	0	0	0	0	0	0	29	2	*0*	0	6	17	8	0	0	0	4	4	17	2	2	2
	13	87	999·3	-	43·6	1·1	8·9	91	8·1	0	2	2	22	5	0	0	0	0	0	0	4	22	5	*0*	0	8	15	8	0	0	0	5	4	11	3	7	1
	18	87	998·9	-	42·9	1·0	8·6	91	7·3	0	5	3	17	6	0	0	0	0	0	0	1	27	3	*0*	0	11	13	7	0	0	0	7	5	9	1	7	2
Antrim Aldergrove H	7	245	1001·4	-	40·4	1·1	7·8	90	5·9	2	10	3	7	9	0	0	1	0	1	0	3	19	7	*0*	0	4	16	11	0	0	1	5	5	12	4	3	1
	13	245	1001·2	-	42·7	1·7	8·1	86	8·2	0	3	3	13	12	0	0	0	0	0	0	0	9	8	14	*0*	0	4	20	7	0	0	0	5	5	9	8	4	0
	18	245	1001·4	-	41·4	1·3	8·0	88	7·7	0	4	3	14	10	0	0	0	0	0	0	7	12	12	*0*	0	3	17	11	0	0	0	6	5	11	6	3	0
Armagh Armagh .. H	9	209	1001·3	-12·5	40·9	1·6	7·6	86	6·9	2	3	7	9	10	*0*	*0*	0	0	0	0	*2*	*15*	*14*	*0*	1	4	11	15	0	0	2	4	5	10	8	2	0
	21	209	1000·8	-12·9	41·4	1·6	7·8	86	6·3	7	3	2	5	14	*0*	*0*	0	0	0	1	*14*	*11*	5	*0*	0	3	15	13	0	0	2	3	4	13	8	1	0
10 IRELAND, S.																																					
Dublin Glasnevin	9	56	1002·9	-	42·9	1·8	8·0	85	6·8	3	0	10	11	7	0	1	*2*	*2*	*11*	4	4	*1*	6	*0*	0	0	9	21	1	0	1	4	6	5	4	7	3
	21	56	1002·7	-	43·2	1·8	8·0	85	5·8	0	0	6	5	11	0	0	*0*	*1*	*10*	6	5	*1*	8	*0*	0	1	4	21	5	0	1	4	3	4	5	4	5
	7	193	1000·9	-13·4	40·8	1·0	7·6	91	6·3	4	5	5	7	10	0	0	0	0	0	0	*0*	*8*	*23*	*0*	0	3	3	24	1	0	0	2	3	16	4	4	1
Offlay Birr Castle ..	13	193	1001·0	-	44·2	1·8	8·4	85	8·1	2	2	1	15	11	0	0	0	0	0	0	*0*	*7*	*24*	*0*	0	2	4	25	0	0	0	3	2	14	6	5	1
	18	193	1000·5	-	42·5	1·2	8·4	90	8·0	0	5	3	7	16	0	0	0	0	0	0	*0*	*11*	*20*	*0*	0	3	6	22	0	0	1	2	2	15	7	3	1
Waterford Seskin, Carrick-on-Suir	9	521	1002·6	-	41·2	0·4	8·4	97	8·0	1	3	3	8	16	0	0	1	*0*	2	1	3	*8*	7	9	2	8	11	9	1	0	0	5	2	9	7	5	2
	21	521	1002·1	-	41·1	0·3	8·5	97	6·7	2	5	8	1	15	0	0	0	*0*	1	1	8	5	8	8	5	12	6	6	2	0	1	3	2	9	8	5	1
	7	45	1000·3	-14·3	45·5	2·3	8·6	82	8·0	0	6	0	9	16	0	0	0	0	0	0	3	11	*17*	*0*	0	7	13	11	0	1	2	4	2	12	6	3	1
Kerry Valentia H	13	45	1000·4	-14·5	46·9	2·8	8·7	79	8·4	0	2	5	8	16	0	0	0	0	0	0	4	*7*	*16*	*4*	1	8	16	5	1	0	1	3	4	10	3	7	2
Observatory	18	45	1000·3	-14·6	45·9	2·4	8·5	81	8·1	0	5	2	9	15	0	0	0	0	0	0	4	*8*	*18*	*1*	1	7	15	8	0	1	3	3	3	8	4	6	3
	21	45	1000·6	-14·7	45·7	2·5	8·4	80	7·6	0	3	7	9	12	0	0	0	0	0	0	7	2	20	*2*	1	5	18	5	2	0	1	5	3	9	4	5	2
	h.*	45	1000·6	-14·4	45·9	2·6	8·5	81																													
Cork Roche's Point ..	7	24	1001·9	-13·4	45·5	1·1	9·3	91	7·5	2	3	4	8	14	0	0	0	0	0	0	4	*10*	*17*	*0*	3	4	11	13	0	1	1	3	4	3	6	11	2
	13	24	1002·2	-	46·7	1·6	9·6	97	7·8	0	2	6	15	8	0	0	0	0	0	0	3	*16*	*17*	5	2	0	15	10	0	1	0	4	2	4	8	9	3
	18	24	1001·9	-	45·6	1·2	9·5	91	8·5	0	3	7	11	10	0	0	0	0	0	0	3	*8*	*18*	*2*	1	6	11	13	0	1	1	3	3	5	7	8	3
11 CHANNEL I. & SCILLY.																																					
	1	199	1006·2	-	47·1	1·9	9·4	85	7·4	0	6	4	9	12	0	0	0	0	0	1	3	*10*	*17*	0	0	13	16	2	0	1	1	2	1	8	6	7	5
Scilly St. Mary's..	7	199	1005·2	-11·0	47·4	1·8	9·5	86	7·5	0	4	6	9	12	0	0	0	0	0	1	7	*6*	*18*	0	1	11	17	2	0	0	2	2	2	7	7	8	3
	13	199	1005·2	-	48·8	2·3	9·9	83	8·5	0	1	3	15	12	0	0	0	0	1	1	7	*11*	*17*	0	1	11	15	4	0	1	1	2	2	8	8	3	6
	18	199	1004·9	-	47·2	1·7	9·5	87	8·4	0	2	3	11	15	0	0	0	2	0	0	7	*10*	*12*	0	1	14	12	4	0	3	0	3	2	9	4	6	4
	1	186	1010·1	-	45·8	1·4	9·3	88	7·6	2	2	6	5	16	0	0	0	0	0	2	16	*8*	*4*	1	0	2	16	13	0	1	2	1	2	12	3	6	4
Guernsey St. Peter Port H	7	186	1009·7	-	45·8	1·4	9·5	89	7·9	0	3	7	8	13	0	0	0	0	1	0	12	*10*	*6*	2	0	3	12	14	2	0	1	3	2	8	8	3	4
	13	186	1009·2	-	47·7	1·9	9·7	85	8·3	0	2	6	9	14	0	0	0	0	1	0	9	*16*	*3*	2	0	2	16	13	0	0	1	2	2	13	4	5	4
	18	186	1009·3	-	47·0	1·9	9·4	86	8·5	0	0	6	8	17	0	0	0	0	2	2	12	*13*	*1*	1	0	1	18	12	0	0	1	2	3	10	5	4	6
	7	400	1021·1	-0·1	53·9	2·6	11·3	82	6·6	0	6	8	13	4	0	0	0	0	1	0	*1*	5	*12*	*12*	0	4	14	12	1	1	1	7	3	1	0	9	8
GIBRALTAR .. .. H	13	400	1020·7	-	56·8	3·4	12·5	79	7·0	0	8	3	12	8	0	0	0	1	1	1	*1*	0	5	22	1	5	14	11	0	0	0	10	4	1	2	10	4
	18	400	1020·5	-	55·8	3·3	12·1	79	5·8	1	11	3	10	6	0	0	0	0	1	1	*1*	2	*11*	15	1	8	7	13	2	1	0	8	3	0	0	10	7
	21	400	1021·4	-	55·1	3·0	12·0	81	4·3	5	11	5	6	4	0	0	0	0	0	0	*0*	3	*10*	18	1	3	12	13	2	1	0	7	3	0	1	8	9
	7	234	1020·8	+3·2	53·7	3·7	10·7	75	5·7	0	10	2	17	2	0	0	0	0	0	0	1	1	*29*	*0*	0	2	9	19	1	1	2	2	1	3	7	8	6
MALTA .. .. H	13	234	1019·7	-	58·0	6·0	10·6	64	5·2	1	9	11	8	2	0	0	0	0	0	0	0	1	*26*	*4*	0	3	9	19	0	6	2	4	0	1	7	7	4
	18	234	1020·3	-	54·5	3·8	11·0	75	4·4	7	7	5	10	2	0	0	0	0	0	0	1	2	*28*	*0*	0	1	9	20	1	2	2	4	0	3	7	7	5

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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Annual Subscription, including Annual Summary and Introduction [illegible]

FEBRUARY, 1937:—Excessively wet; notable snowstorm on the 27th and 28th

The month was distinguished by unusually excessive rainfall; more than twice the average occurred over England and Wales as a whole and it was only in parts of the north-west of Scotland that less than the average was received. A notable snowstorm was experienced on the 27th–28th; it was accompanied by a northerly gale which caused deep drifts.

On the 1st a complex depression extended from westward of Scotland over the British Isles and between the 2nd and 5th Atlantic depressions moved north-east along our north-west seaboard while secondary depressions crossed the British Isles. Rainfall was heavy at times, particularly on the 2nd and 4th. Subsequently a wedge of high pressure moved north-east across the country and good sunshine records were reported generally on the 6th and in Scotland on the 7th. A depression which moved from south-westward of Ireland to the North Sea caused renewed rainfall in England and Ireland on the 7th, the rain extending to Scotland during the following night. In the rear of this depression the wind veered towards north-west or north and mainly bright weather prevailed with showers of hail, sleet and snow locally from the 9th–11th. There followed a period when pressure was low near Iceland, while secondary troughs crossed the British Isles causing further general rain. Between the 17th and 20th a deep depression moved from southern Greenland to southern Scandinavia, where it remained almost stationary for several days. In its rear a north-westerly to northerly wind current prevailed for the most part over these Islands with wintry showers and good records of bright sunshine in many areas, though a secondary depression moving rapidly south-east across southern districts caused general rain in England and Ireland on the 21st. On the 24th a depression approached the west of Ireland from the Atlantic and remained with little movement until the 26th. Rainfall was almost general and rather heavy locally in England and Ireland; at some places in the north the precipitation was in the form of sleet or snow. On the 27th the depression moved east across England and in its rear strong northerly winds and local gales prevailed with widespread snow accompanied by deep drifts. A gust of 107 m.p.h. was registered by the anemometer at Holyhead in the early hours of the 28th.

Pressure and Wind.—An interesting feature of the weather of the month was the unusually low mean pressure registered over the country generally, the deviation from the average at 7 h. ranging from −14·4 mb. at Tynemouth to −9·4 mb. at St. Ann's Head. At Oxford the mean pressure at 9 h. was, with the exception of February 1900, the lowest for February since records were first taken in 1881.

Winds from some westerly point predominated and strong winds were rather frequent. Gales were recorded frequently at exposed stations in the west and north and were reported on 16 days at St. Ann's Head, 13 days at Tiree, 9 days at Stornoway, 8 days at Valentia Observatory and 7 days at Wick, Duntulm (Skye), Holyhead and the Scilly Isles. The most widespread gale was that of the 27th–28th; a mean hourly speed of 64 m.p.h. and a gust of 107 m.p.h. were registered at Holyhead in the early hours of the 28th.

Temperature.—Mean temperature was mainly below the average in Scotland, the deficiency being small except at some places in the north and north-east where it exceeded 2°F. On the other hand mean temperature exceeded the average on the whole in England and Ireland. In some parts of England, particularly in the southern half of the country, the excess was considerable; it amounted to more than 3°F. at numerous stations and exceeded 4°F. at a few.

The warmest periods occurred generally from the 2nd–5th and 14th–19th, while the coldest day was, on the whole, either the 27th or 28th, but other cold spells occurred around the 12th and on the 24th.

The extremes for the month were:—(England and Wales) 58°F. at Llandudno on the 3rd; at Shrewsbury, Cannington, Killerton and Holton Heath on the 14th and at Earl's Colne on the 15th, 16°F. at Macclesfield on the 28th; (Scotland) 55°F. at Stirling on the 17th, 11°F. at Braemar on the 24th; (Ireland) 57°F. at Ballinacurra, Cork and Roches Point on the 19th and 25°F. at Glasnevin and Phœnix Park, Dublin, on the 12th and at Newtownforbes on the 28th.

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 218, Scotland 136 and Ireland 158. Over the British Isles as a whole it was the wettest February since 1870, apart from that of 1923, although February 1915 was approximately as wet as 1937. Totals exceeded the average in all parts except in the extreme west and north-west of Scotland. Over most of England more than twice the average occurred especially in the southern and central districts and at many stations it was the wettest February since before 1870, e.g. Camden Square (London), Slough (Bucks.), Oxford, Salisbury and Bidston Observatory; at Oxford the record goes back to 1815. The excessive rainfall was the more remarkable since it followed an unusually wet January; over the British Isles as a whole the total for the two months exceeded that for any similar period back to 1870. The large totals in February were mainly due to frequent rather than to heavy individual falls, but among heavy falls in 24 hours were:—

2nd. 3·25 in. at Holne (Devon), 2·75 in. at Princetown, 2·04 in. at Ystalyfera, (Glamorgan), 1·80 in. at Cantref and 1·79 in. at Mary Tavy, Devon.

4th. 1·94 in. at Glenshiel (Ross-shire), 1·72 in. at Loch Duich (Ross-shire), 1·71 in. at Holne and 1·65 in. at Glenquoich (Inverness-shire).

27th. 1·65 in. at Wolfelee.

Thunderstorms were reported locally at times mainly on the 9th–10th, 15th–16th and 25th–27th, while a storm on the 22nd caused damage to telephones at Thurso. The snowstorm of the 27th–28th was noteworthy; it was accompanied by a northerly gale which caused deep snow drifts and damage to trees and telegraph poles and, in consequence, many roads were blocked, particularly in Scotland, northern England and Wales. On the 28th undrifted snow was reported to be 14 inches deep at Macclesfield, 10 inches at Newton Rigg and roughly 24 inches at Buxton. In Scotland, drifts up to 5 feet were reported locally in the southern counties and from 7 feet to 12 feet at Glenferness (Nairn-shire).

Sunshine.—Sunshine substantially exceeded the average in Scotland except in an area extending south-west from the Moray Firth on either side of the Caledonian Canal. In southern England there was, on the whole, a considerable deficiency particularly in south-west England and south Wales where the percentage for the district was only 72. In Ireland totals were variable; a considerable excess occurred in the south-east, while a deficiency was experienced in the extreme north and at Valentia in the south-west.

An interesting feature of the distribution was that more than 3·5 hours per day occurred along a coastal strip in eastern Scotland, while less than 2 hours per day was registered over large areas in south-west England, Wales and the western Midlands.

Fog.—The chief periods of fog were the 7th–8th and 12th–15th, but it was also reported at times outside these periods.

Miscellaneous Phenomena.—The aurora was observed in Scotland on seven days; an unusually brilliant display was observed at Waringstown, Co. Down, on the 9th. Brilliant halo phenomena were observed at South Petherton and Bridgwater, Somerset, on the 11th. Solar halos were noted at Oxford on 14 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, 24*th March*, 1937.

TABLE I—DISTRICT VALUES— FEBRUARY, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	51	16	-1·5	-	-	105	+4	113	24
Eastern									
1 SCOTLAND, E.	54	11	-0·8	-	-	147	+3	134	35
2 ENGLAND, N.E.	56	21	+1·0	+0·4	+0·4	196	+2	122	28
3 ENGLAND, E.	58	20	+2·5	+1·2	+0·9	222	+7	102	25
4 MIDLAND COUNTIES ..	58	22	+2·6	+1·1	+0·7	226	+8	102	23
5 ENGLAND, S.E.	57	27	+3·2	+2·3	+1·9	263	+8	88	23
Western									
6 SCOTLAND, W. (*and I. of Man*)	55	19	-0·4	-0·4	+0·5	130	+7	136	28
7 ENGLAND, N.W. (*and N. Wales*)	58	16	+1·2	+1·3	+0·8	209	+7	101	23
8 ENGLAND, S.W. (*and S. Wales*)	58	22	+3·0	+1·6	+1·3	215	+8	72	19
9 IRELAND, N. ..	56	25	+0·3	-0·5	-0·3	154	+7	100	23
10 IRELAND, S. ..	57	25	+0·9	-0·1	+0·1	156	+5	102	25
11 CHANNEL I. (*and Scilly*)	54	32	+3·7	+2·7	+1·5	232	+9	72	22
Mean, DISTRICTS 1—10	58	11	+1·3	+0·8	+0·7	192	+6	106	25

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— FEBRUARY, 1937 [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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time	
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d h m	
0 SCOTLAND, N.																			
Shetland ‡Lerwick	310	53	39	13,14,18	16	15	133	366	122	35	0	170	50	22	13 21	76	34	13 22 15	
Orkney Kirkwall	170	40	35	5	1	15	110	339	201	21	0	310	40	18	5 24	72	32	15 09 25	
Hebrides Stornoway	—	40	36	8,12,13,15,16,18, 20,25,27,28	48	22	245	289	78	12	0	290	50	22	5 15	76	34	28 17 25	
1 SCOTLAND, E.																			
Aberdeen Aberdeen	70	42	32	-	0	2	4	286	322	60	0	300	26	11	20 14	56	25	28 02 00	
Angus Bell Rock Lighthouse	130	—	126	4,15,25-28	40	22	258	280	90	4	0	20	60	27	28 04	78	35	28 03 25	
Edinburgh Edinburgh	485	39	23	-	0	9	57	388	190	37	0	200	37	17	4 16	59	26	28 00 05	
6a SCOTLAND, W.																			
Argyll Tiree	75	50	42	4,5,25,27,28	36	21	220	258	134	24	0	10	47	21	28 01	75	33	28 16 05	
Renfrew Paisley	188	81	31	-	0	3	6	199	359	108	0	180	27	12	4 16	57	25	4 14 20	
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	5	12	266	266	128	0	360	29	13	27 22	56	25	20 10 55	
Dumfries Eskdalemuir ..	825	50	35	28	(7)	17	(100)	286	199	80	0	20	51	23	28 05	67	30	28 05 10	
6b ISLE OF MAN																			
Isle of Man Point of Ayre ..	70	40	35	17,25,27,28	23	24	243	230	145	28	3	10	49	22	28 03	71	32	28 02 30	
2 ENGLAND, N.E.																			
Durham South Shields ..	73	57	44	8,25,28	19	9	67	316	219	51	0	360	57	25	28 11	81	36	28 10 40	
Yorks.,N.R. Catterick	220	45	33	-	0	3	19	158	353	142	0	360	35	16	28 12	68	30	28 10 30	
Yorks.,E.R. Spurn Head ..	64	42	34	20,25,28	8	23	193	363	96	12	0	130	41	18	25 16	63	28	28 18 00	
Lincoln Cranwell	284	43	33	-	0	3	6	357	256	53	0	340	30	13	28 18	50	22	9 14 45	
3 ENGLAND, E.																			
Norfolk Gorleston	52	42	34	-	0	8	39	343	272	18	0	100	31	14	25 14	47	21	20 13 40	
Suffolk Felixstowe Aero. ..	60	45	35	-	0	6	19	395	213	45	0	270	28	13	20 12	55	25	25 17 35	
Suffolk Mildenhall	64	45	20	-	0	6	14	367	259	32	0	290	28	13	20 12	50	22	20 14 15	
Bedford Cardington ..	285	150	135	-	0	14	107	392	156	17	0	340	38	17	28 19	63	28	27 14 35	
Essex Shoeburyness ..	115	104	89	-	0	14	87	399	165	21	0	210	33	15	26 17	61	27	16 14 05	
4 MIDLAND COUNTIES																			
Warwick Birmingham ..	643	118	73	-	0	8	22	389	251	10	0	320	38	17	28 16	54	24	28 15 15	
5 ENGLAND, S.E.																			
London South Kensington ..	137	110	30	-	0	0	0	80	497	95	0	350	20	9	28 20	59	26	26 16 55	
Surrey Kew Observatory ..	92	75	50	-	0	1	1	246	341	84	0	330	25	11	28 19	57	25	16 12 50	
Surrey Croydon	313	105	70	-	0	12	84	410	169	9	0	340	31	14	28 20	60	27	28 19 10	
Kent Dover	66	66	60	-	0	11	54	415	193	10	0	-	33	15	28 20	57	25	27 16 00	
Kent Lympne	418	76	48	-	0	10	58	346	255	13	0	330	35	16	28 22	62	28	28 21 35	
Hampshire Calshot	58	50	42	28	1	11	69	318	250	34	0	320	39	17	28 18	63	28	16 11 55	
Wiltshire Boscombe Down ..	462	45	33	28	2	10	39	349	255	27	0	330	41	18	28 15	67	30	28 15 00	
Wiltshire Larkhill	491	51	36	28	5	14	85	379	193	10	0	330	45	20	28 15	68	30	28 13 50	
7a ENGLAND, N.W.																			
Lancashire Fleetwood	112	50	31	28	5	17	160	279	205	23	0	40	45	20	28 05	69	31	28 09 30	
Lancashire Manchester (Barton)	153	83	80	28	1	15	97	323	203	47	1	350	39	17	28 13	66	29	28 07 20	
Lancashire Southport	60	42	33	27,28	10	19	187	259	200	16	0	10	46	21	28 08	68	30	28 09 25	
Cheshire Bidston Obs'y. ..	262	64	39	17,27,28	5	18	161	304	187	15	0	280	41	18	17 03	72	32	27 16 30	
7b NORTH WALES																			
Anglesey Holyhead	68	43	35	17,27,28	35	20	171	318	136	12	0	340	64	29	28 05	107	48	28 04 00	
Flint Sealand	81	65	42	27,28	5	14	81	257	269	60	0	290	43	19	27 17	70	31	28 10 15	
8b ENGLAND, S.W.																			
Devon Moretonhampstead	838	40	35	-	0	10	44	343	226	47	12	350	38	17	28 14	66	29	28 14 00	
Devon Plymouth	185	88	65	3	3	10	61	271	193	79	65	-	43	19	3 12	55	25	3 10 45	
Cornwall The Lizard	315	75	60	3,8,16,19,25-28	37	22	264	245	111	11	4	170	49	22	3 11	74	33	16 14 00	
Cornwall Pendennis Castle ..	256	65	42	2,3,19,26	16	19	211	243	173	29	0	240	52	23	3 12	71	32	3 11 30	
9 IRELAND, N.																			
Donegal Dunfanaghy Road	180	47	30	4,18	7	11	83	220	223	47	92	-	42	19	4 15	66	29	4 14 10	
Antrim Aldergrove	282	40	20	-	0	6	24	273	337	38	0	350	30	13	28 01	59	26	28 03 10	
10 IRELAND, S.																			
Dublin Kingstown(Cup Anr,)	49	27	27	16,17,24	4	21	187	272	190	19	0	240	42	19	16 23	-	-	- - -	
Clare Quilty	100	40	32	26,27	8	16	148	335	168	13	0	-	43	19	26 21	62	28	27 19 20	
Kerry Valentia Observatory	98	41	33	-	0	14	103	329	177	63	0	340	36	16	27 20	67	30	28 09 30	
Cork Cork	132	71	40	-	0	4	12	263	239	71	87	-	30	13	27 15	67	30	16 02 45	
11 SCILLY ISLES																			
St. Mary's	230	65	57	8,16,19 25-28	60	21	273	262	68	9	0	340	48	21	27 23	78	35	28 15 10	

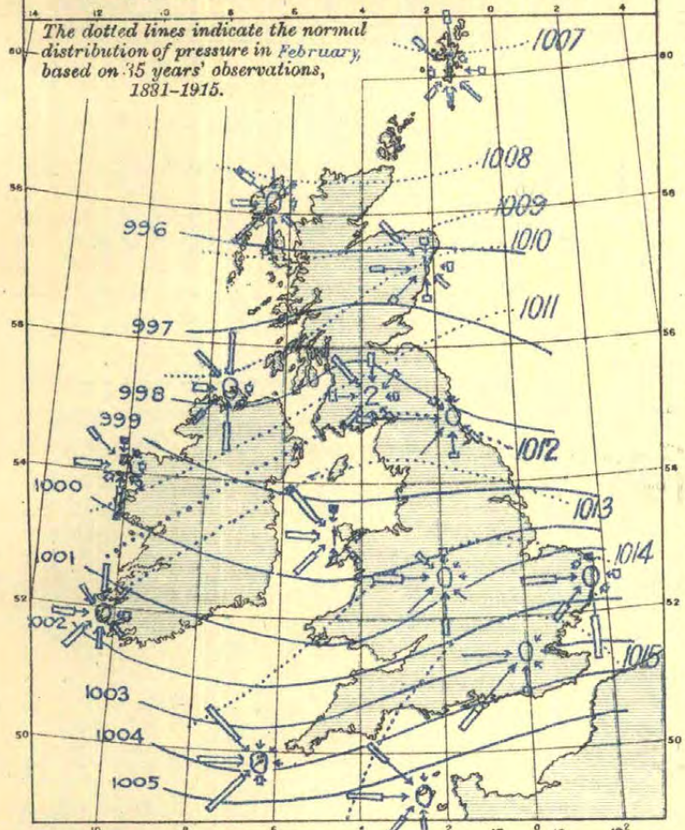
‡‡ Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

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

MONTHLY WEATHER CHARTS, FEBRUARY, 1937.

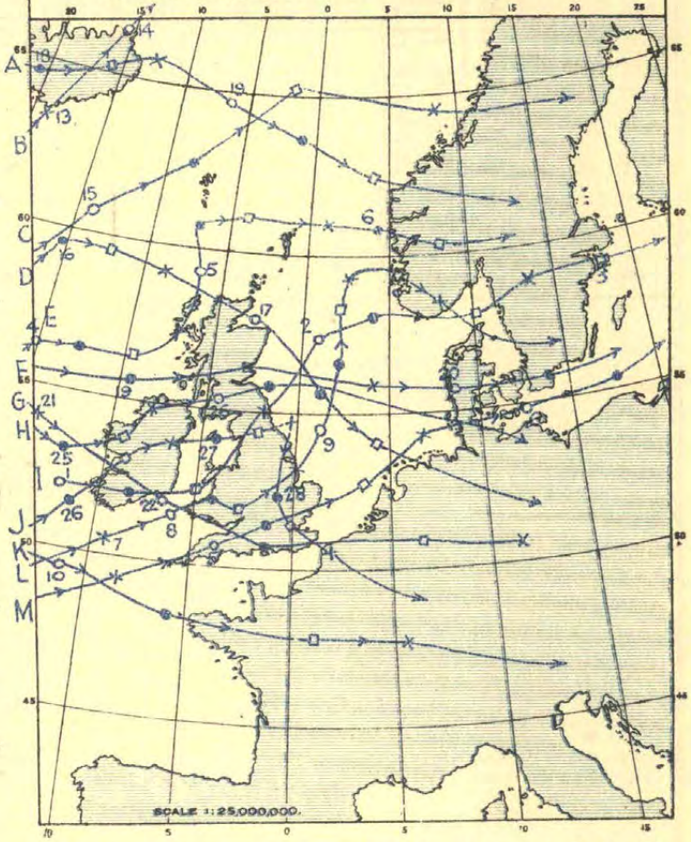
1. WIND AND MEAN PRESSURE. 7 A.M. *

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:* LIGHT — MODERATE TO STRONG — GALE. 30 Obsns = 1 inch.

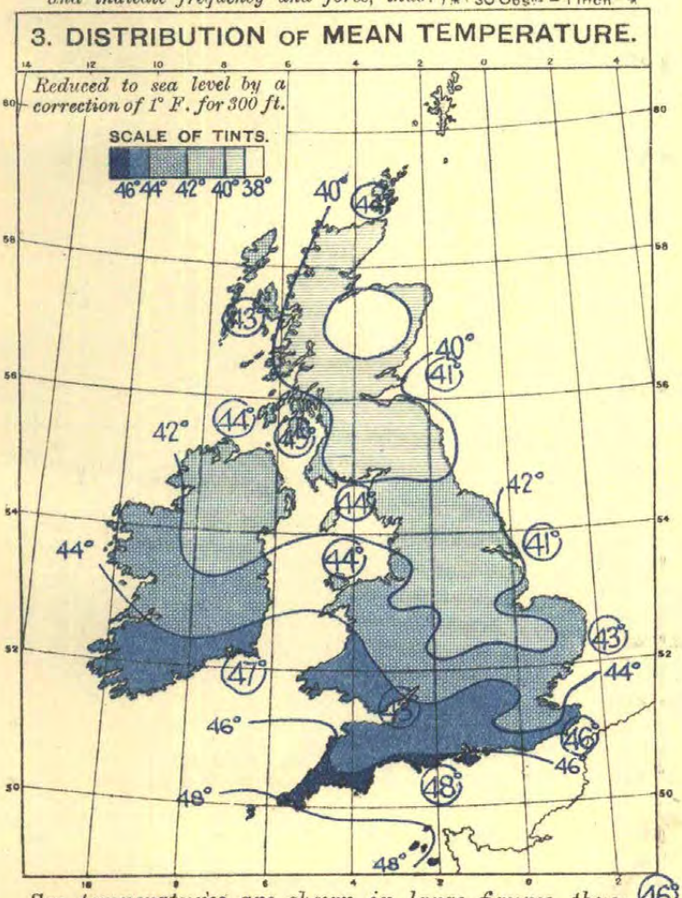
2. MOVEMENTS OF DEPRESSIONS.



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

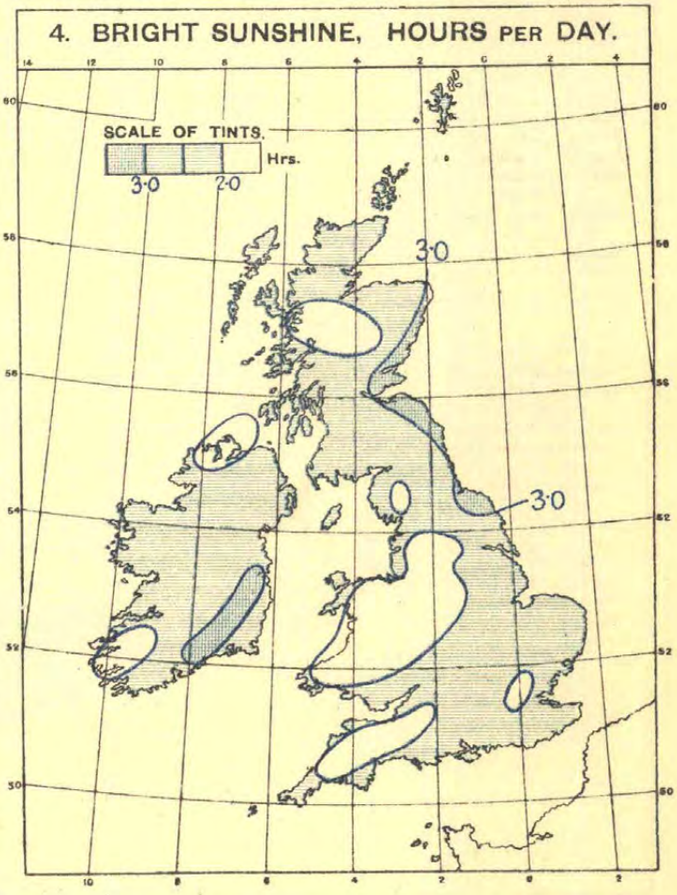
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



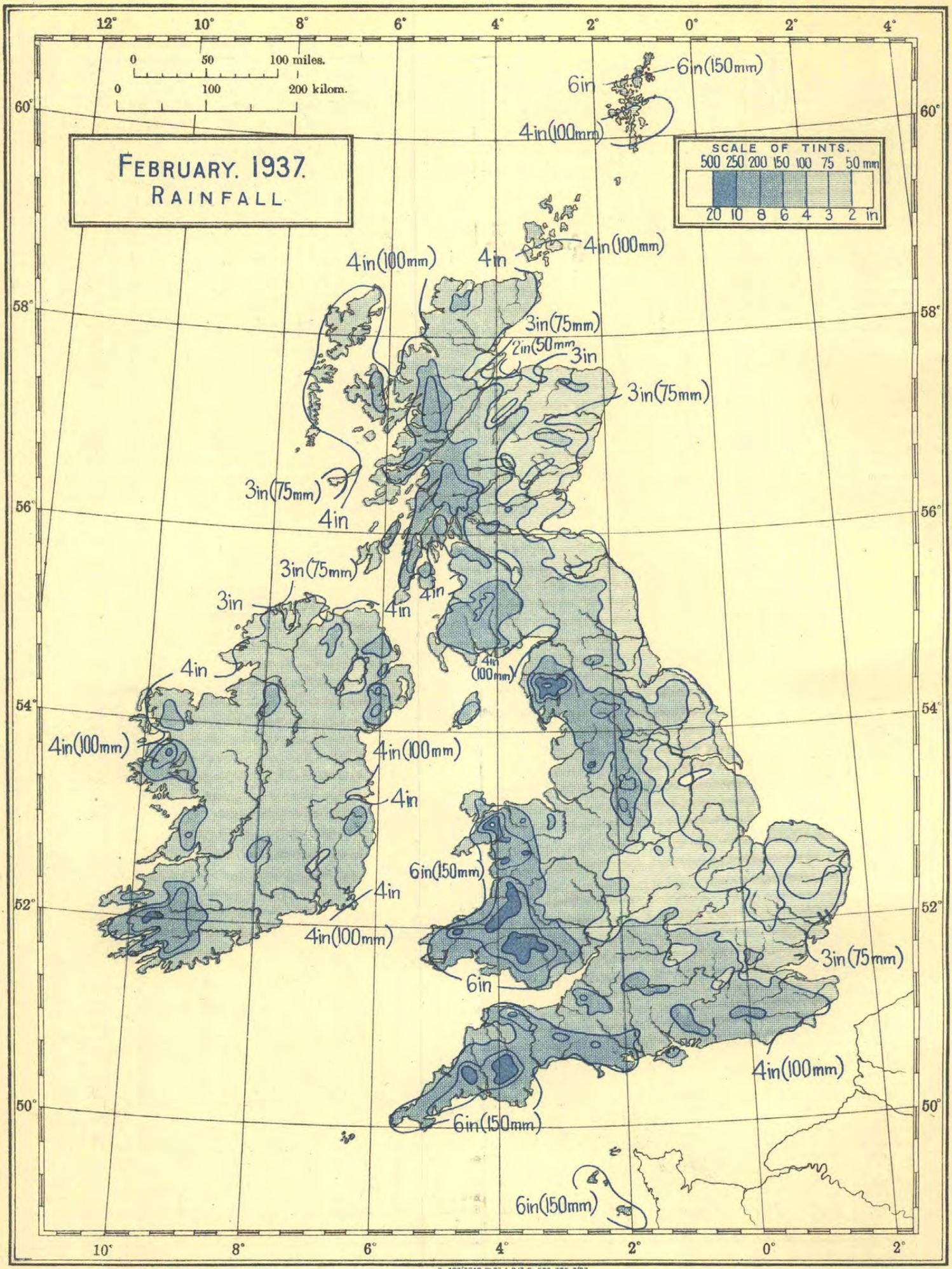
Sea temperatures are shewn in large figures, thus: (46)

4. BRIGHT SUNSHINE, HOURS PER DAY.



H.M. Stationery Office Press, Kingsway W.C.2.

* 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 10 in = 254 mm. 1 mm.

TABLE III—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0 SCOTLAND, N.																														
Shetland	Baltasound ..	9 9 9	31	41·1	32·8	36·9	-2·2	45	4,5,17	27	12,28	38·1	-	6·42	163	183	·59	9	28	25	13	6	7	1	0	-	3	1·73	127	19
	Lerwick .. ¶§	18–7 7	156	40·9	34·9	37·9	-1·4	46	3,5	29	28	-	-	3·21	82	109	·46	6	25	20	14	7	12	0	1	-	6	2·10	137	23
Orkney	Deerness	2121 9	160	41·3	34·2	37·7	-1·7	46	4	29	27	-	-	4·78	121	158	·80	28	24	24	15	2	2	0	0	-	-	2·95	156	32
	Kirkwall .. ¶§	9 9 9	113	41·3	34·4	37·9	-1·3	46	4	28	27	38·7	-	4·08	104	129	·53	18	24	22	15	3	7	0	0	11	4	3·12	148	34
Hebrides	Skallary	101010	30	45·3	37·4	41·3	-	51	13,14	30	27,28	-	-	4·62	117	-	·47	19	26	23	8	0	9	0	-	-	-	-	-	-
	Stornoway(C.G.) ¶§	18–7 7	80	42·8	36·3	39·5	-1·4	50	13	27	27	-	-	4·16	106	101	·59	20	24	19	10	0	12	0	0	-	9	2·53	129	27
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	4·25	108	96	·58	20	24	22	-	-	-	-	-	-	-	-	-	-
Skye	Duntulm ..	9 9 9	294	43·2	35·2	39·2	-	49	3	30	28	-	-	3·68	93	-	·40	25	26	20	10	0	10	0	0	10	7	2·28	-	25
Caithness	Wick	18–7 7	81	41·4	34·4	37·9	-1·7	46	4,18	28	12	-	-	3·47	88	152	·56	27	23	17	11	5	9	0	0	-	7	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	41·7	32·4	37·1	-2·0	50	4	25	12	-	-	8·07	205	111	1·42	4	23	23	13	7	1	0	1	-	-	-	-	-
	Fortrose	9 9 9	69	41·9	33·3	37·6	-2·1	51	18	28	27,28	-	-	2·96	75	-	·50	28	19	13	14	2	1	0	1	-	0	2·41	98	26
Inverness	Dalwhinnie ..	18–7 7	1176	36·5	29·5	33·0	-	44	4	16	12,24	-	-	5·77	147	-	·76	4	26	25	17	22	0	0	1	23	2	1·69	-	18S
	Ft. Augustus ¶	9 9 9	68	42·7	33·0	37·9	-1·0	50	4	23	12	-	-	3·43	87	82	·45	18	24	17	9	8	0	0	0	-	-	1·24	71	13S
	Ft. William ..	9 9 9	34	43·9	34·9	39·4	-0·1	50	4,5	25	12	38·1	42·1	6·53	166	89	1·20	4	24	22	9	3	5	0	0	12	0	1·56	-	17S
	Inverness ¶§	9 9 9	242	41·1	32·5	36·8	-2·6	50	4	26	12	-	-	2·34	59	104	·36	20	20	15	15	5	0	0	0	14	0	2·36	92	25
1 SCOTLAND, E.																														
Nairn	Nairn .. ¶§	9 9 9	20	42·7	32·9	37·8	-1·5	52	4	25	12	-	-	1·83	47	101	·31	18	19	12	10	3	3	0	0	-	0	2·56	102	28
Moray	Forres	9 9 9	155	42·4	32·1	37·3	-	53	4	26	12	-	-	1·78	45	-	·28	12	16	13	11	5	2	0	0	-	0	2·31	-	25
	Gordon Castle ..	2121 9	104	42·3	33·0	37·7	-1·6	53	4	27	24	-	-	3·28	83	170	·65	8	17	13	8	2	1	0	-	-	-	2·25	89	24S
Banff	Banff	9 9 9	130	41·0	34·1	37·5	-1·6	50	4	31	24	-	-	3·23	82	195	·72	27	22	16	12	1	4	0	0	9	2	2·86	116	31S
Aberdeen	Aberdeen ¶§	242424	79	42·1	34·6	38·3	-1·0	47	4	28	24	36·7	39·2	2·29	58	112	·38	27	21	12	12	2	3	0	0	14	0	3·63	148	39
		18–7 -	—	42·3	34·2	38·3	-1·4																							
	Balmoral	9 9 9	927	38·1	27·8	32·9	-2·4	45	4	16	24	-	-	3·01	77	116	·74	28	23	16	13	27	0	0	-	25	0	-	-	-
	Braemar	2121 9	1111	37·5	27·5	32·5	-2·5	43	4	11	24	-	-	3·85	98	136	·77	27	22	16	15	28	0	0	0	21	0	1·81	-	19S
	Craibstone	9 9 9	300	40·9	32·9	36·9	-1·1	49	4	27	24	36·6	39·1	2·37	60	105	·60	8	19	13	13	6	6	0	-	15	-	3·87	141	41
	Logie Coldstone ..	9 9 9	608	39·7	30·0	34·9	-1·8	46	4	20	24	-	-	2·31	59	111	·50	8	19	12	13	22	0	0	0	0	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	43·8	32·9	38·3	-	49	4	26	24	-	-	2·88	73	-	·56	26	15	13	5	1	0	0	0	-	-	3·67	-	39
Angus	Arbroath	2121 9	93	43·8	33·0	38·4	-0·9	50	4	26	24	-	-	3·16	80	182	·64	8	17	14	4	1	0	0	2	19	0	3·82	130	41
	Carnoustie ..	9 9 9	39	43·1	33·3	38·2	-0·7	49	4,18	27	24	-	-	2·83	72	157	·53	8	18	13	1	1	0	0	-	-	0	3·50	146	37S
	Dundee .. ¶§	9 9 9	147	42·8	34·0	38·4	-0·2	51	4	29	12	35·9	-	2·98	76	161	·68	8	18	14	5	2	0	0	-	24	2	3·71	140	39
	Kettins	9 9 9	218	41·4	31·2	36·3	-1·4	50	4	22	12	35·0	-	3·35	85	144	·61	8	18	14	8	7	1	0	1	16	3	-	-	-
	Montrose	9 9 9	16	42·9	33·7	38·3	-0·6	50	4	26	24	-	-	2·54	65	-	·62	8	16	11	4	1	1	0	0	-	0	3·74	143	40
Perth	Crieff	2121 9	478	41·4	31·5	36·5	-1·4	49	14,17	27	12,24	-	-	3·52	89	100	·47	3	21	16	9	23	1	0	-	-	3	-	-	-
	Perth	9 9 9	76	43·1	32·9	38·0	-0·5	51	4	25	12,24	-	-	2·94	75	129	·58	8	15	14	5	8	1	0	-	-	-	3·43	148	36
Fife	Cupar	9 9 9	210	42·5	33·1	37·8	-0·9	51	4	26	12	-	-	3·45	88	-	·84	8	18	14	4	4	0	0	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	43·0	33·2	38·1	-	52	4	27	12	37·0	40·6	3·91	99	-	·75	8	19	17	7	2	5	0	0	4	14	0	3·17	-	33
	Inchkeith ..	18–7 7	190	43·2	35·6	39·4	-0·9	51	4	31	22,28	-	-	2·75	70	189	·69	8	15	13	4	1	0	0	0	5	2	3·47	142	37
	Kirkcaldy ..	9 9 9	63	43·6	33·1	38·3	-1·6	52	4	27	12	-	-	3·58	91	-	·65	8	18	15	3	1	1	0	-	-	-	-	-	-
	Leuchars	18–7 7	36	43·6	33·3	38·5	-0·7	53	14	25	24	-	-	2·89	73	163	·74	8	16	11	5	0	1	0	0	15	0	3·85	143	41
	St. Andrews ..	9 9 9	13	43·5	32·6	38·1	-1·0	51	4,14	24	24	37·7	41·1	2·82	72	153	·63	8	17	13	4	0	0	0	0	15	-	3·66	144	39
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	42·3	34·7	38·5	-0·6	51	14	30	22,24,28	-	-	3·02	77	183	·76	8	18	13	5	2	0	0	1	11	1	3·68	137	39
	Boghall	9 9 9	639	41·3	32·9	37·1	-0·8	49	4,14	27	12,28	36·1	39·6	4·72	120	-	1·00	8	19	16	6	9	0	0	1	10	-	3·53	135	37
	Liberton ..	9 9 9	190	43·7	34·5	39·1	-	52	14	25	24	-	-	3·41	87	-	·80	8	19	14	1	1	0	0	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	43·9	34·5	39·2	-	51	4,14	29	24	37·4	41·6	3·19	81	-	·76	8	18	14	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	44·1	34·8	39·5	-	52	4,14	30	12,22	-	-	2·33	59	-	·42	8	15	9	2	0	1	0	0	10	1	3·71	-	39
	N. Berwick ..	9 9 9	118	43·3	34·3	38·8	-0·6	51	4,14	29	12	-	-	2·55	65	171	·42	8	15	10	0	0	0	0	0	11	0	(3·56)	149	(38)
Berwick	Marchmont ¶§	2121 9	498	41·9	31·7	36·8	-0·7	52	14	27	2,22	-	-	3·73	95	179	·63	27	20	13	4	6	0	0	-	-	0	3·07	141	32S
	St. Abb's Head	18–7 7	280	-	35·5	-	-	-	-	28	6	-	-	3·10	79	-	·57	27	17	10	3	0	1	0	0	-	1	-	-	-
Peebles	Peebles	9 9 9	629	42·3	32·6	37·5	-	50	4,14	23	22,28	-	-	3·55	90	-	·50	27	20	17	10	12	0	0	0	13	3	2·69	-	28
	West Linton ..	9 9 9	820	40·9	31·2	36·1	-0·2	49	4,14	20	12	35·0	40·0	4·93	125	-	·80	27	19	18	11	12	1	0	6	21	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	43·9	33·0	38·5	+0·2	54	14	24	24	-	-	2·68	68	158	·64	27	19	14	7	2	0	0	0	-	0	-	-	-
	Wolfelee	9 9 9	537	42·7	32·1	37·4	+0·5	50	3,14,18	23	12	-	-	4·90	125	150	1·65	27	19	15	10	6	1	0	0	-	1	-	-	-
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	44·9	33·3	39·1	-1·0	50	4	28	7,12,24	-	-	6·20	157	-	·81	19	23	23	7	0	13	0	-	19	-	-	-	-
	Colonsay ..	9 9 9	87	45·2	-	-	-	52	3	29	12,28	-	-	4·37	111	-	·48	18	28	25	2	0	6	0	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	45·0	33·7	39·3	-	53	17	26	12	37·9	39·8	9·47	241	-	·94	18	25	25	8	5	0	1	0	15	-	2·06	-	22S
	Dunoon	9 9 9	132	43·6	35·5	39·5	-	50	14	30	12	-	-	8·39	213	-	1·03	2	25	24	4	1	4	1	0	11	0	2·46	-	26
	Glenbranter ..	9 9 9	188	43·2	32·5	37·9	-0·9	50	17	23	12	-	-	9·43	239	-	·97	19	24	23	8	0	3	0	0	11	-	-	-	-
	Oban	9 9 9	229	42·7	34·7	38·7	-	49	3,4	28	28	-	-	4·47	113	-	·57	4	23	21	7	2	2	0	0	5	0	2·58	116	27
	Tiree .. ¶§	18–7 7	22	44·3	37·1	40·7	-0·8	49	13,18	29	27	-	-	2·94	75	86	·38	12	25	20	4	1	11	0	0	4	13	2·60	104	28
Bute	Rothesay ¶§	2121 9	200	43·5	35·6	39·5	-0·6	50	14	29	27	37·8	41·8	5·56	141	138	·84	2	25	22	11	0	5	3	0	12	6	2·40	129	25
Dumbarton	Cardross	9 9 9	130	43·6	34·3	38·9	-0·2	50	4,13,14	28	12	-	-	5·79	147	-	·70	2	23	21	4	2	0	0	0	-	-	2·81	161	30S
	Helensburgh ..	9 9 9	293	42·7	33·6	38·1	-1·2	51	14	28	12	-	-	6·78	172	141	·80	1	24	22	8	2	2	0	3	-	0	2·57	141	27
Stirling	Stirling	9 9 9	151	43·4	34·7	39·1	-0·6	55	17	28	12	36·1	41·8	4·16	106	-	·58	2	21	15	4	2	0	0	3	24	0	3·18	162	34S
Renfrew	Greenock ..	9 9 9	199	43·4	35·1	39·3	-0·2	51	3,4,14	30	28	-	-	5·86	149	104	·76	2	24	23	7	0	1	1	4	4	0	2·20	-	23
	Paisley	2121 9	106	44·7	35·2	39·9	-0·1	53	14	30	12,27	38·7	43·5	5·05	128	144	·71	2	24	22	5	1	2	1	2	13	0	2·81	148	30
	Renfrew ¶§ (Abbotsinch)	18–7 7	19	43·6	34·6	39·1	-0·2	52	14	26	12	-	-	4·76	121	148	·67	2	24	23	6	0	7	1	1	14	0	2·92	163	31
Lanark	Carluke	9 9 9	534	41·9	33·4	37·7	-	50	14	27	28	-	-	3·48	89	-	·51	2	24	17	14	6	3	0	2	12	0	3·04	-	32
	Dungavel	9 9 9	798	40·1	31·6	35·9	-0·8	47	3,4,18	25	11	-	-	6·08	154	-	·73	2	22	20	12	8	1	0	1	23	-	-	-	-
	Glasgow	9 9 9	85	43·6	35·5	39·5	-0·2	52	4,14	30	28	-	40·9	4·74	120	165	·59	2	25	21	12	6	5	1	6	-	0	2·55	-	27
	Thorntonhall ..	9 9 9	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ayr	Auchincruive ..	9 9 9	89	45·1	34·6	39·9	-	52	14	27	22	39·5	42·6	4·39	112	-	·49	7	24	21	7	1	2	0	1	8	1	2·58	-	27
	Ayr	2121 9	43	45·6	36·4	41·0	-	51	4,14,15	29	27	-	-	3·82	97	-	·42	2	22	22	1	1	0	0	0	8	-	2·54	-	27
	Colmonell ..	9 9 9	170	44·8	35·3	40·1	-0·2	51	13,14	30	7,12,28	-	-	6·19	157	160	·75	8	25	21	8	1	7	1	0	8	-	-	-	-
	Kilmarnock ..	9 9 9	130	44·5	34·6	39·5	-	51	4,14	27	22	39·6	43·6	4·76	121	-	·62	2	24	21	7	1	4	0	0	13	0	2·62	-	28
	Troon	9 9 9	15	44·4	36·5	40·5	-	50	17	32	12,27	-	-	4·34	110	-	·42	8	24	23	4	1	3	0	0	6	0	2·75	-	29
	Turnberry ..	9 9 9	30	44·2	36·1	40·1	-1·0	50	4	28	27,28	-	-	4·83	123	-	·67	7	25	22	2	0	6	0	0	22	0	2·61	120	27
Dumfries	Dumfries .. ¶§	2121 9	140	43·7	34·4	39·1	0·0	53	14	27	12	38·8	41·9	4·45	113	145	·67	15	23	19	6	1	4	0	1	14	1	2·74	137	29
	Eskdalemuir ¶§	242424	794	40·6	31·3	35·9	-0·2	49	14	19	12	38·3	42·6	6·48	165	131	·77	2	23	22	16	6	5	0	4	12	11	2·81	146	29
		18–7 -	—	40·5	32·3	36·4	+0·5																							
	Ruthwell	2121 9	67	44·4	33·0	38·7	-0·3	53	14	26	22	-	-	4·22	107	-	·67	15	24	18	3	0	1	0	-	-	1	2·37	115	25S

¶§ S *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 FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum	Date	Absolute Minimum	Date	EARTH TEMPERATURE 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in												hr	%	%
6b ISLE OF MAN																															
Isle of Man	Douglas	9 9 9	284	45·1	36·8	40·9	0·0	54	14	26	28	-	-	7·61	193	239	1·31	7	22	16	2	2	4	0	0	8	0	2·95	122	31
	Point of Ayre	18–7 7	30	45·8	37·8	41·8	-	54	14	28	28	-	-	4·40	112	-	·90	7	20	19	4	1	4	0	0	-	6	2·93	-	30
2 ENGLAND, N.E.																															
Northumberland	Berwick-on-T.	9 9 9	76	43·7	34·9	39·3	0·0	53	14	29	12,24	-	-	2·76	70	195	·73	27	16	9	5	1	2	0	0	8	2	3·63	141	38
	Bellingham	9 9 9	849	41·1	30·9	36·0	-0·2	49	4,14	25	12,22	-	-	4·33	110	169	·77	15	23	16	12	9	0	0	3	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	43·5	32·3	37·9	-0·2	52	14	26	24	36·3	39·5	3·19	81	188	·65	27	16	11	4	5	0	0	1	15	1	3·48	142	36
	Tynemouth	18–7 7	108	(44·2)	36·8	(40·5)	(0·0)	53	14	32	22,23	-	-	2·88	73	209	·85	27	18	13	1	0	0	0	1	9	2	2·90	-	30
Durham	Chopwellwood	9 9 9	446	44·6	33·6	39·1	+1·2	54	14	27	24	-	-	3·46	88	187	·94	27	20	12	5	5	0	0	0	15	-	3·00	129	31
	Durham ¶§	2121 9	336	44·3	34·0	39·1	+0·8	54	14	26	24	-	-	3·04	77	227	·77	27	18	13	6	2	0	0	3	8	1	3·04	133	32
	Houghall	9 9 9	160	46·3	32·2	39·3	+1·0	56	14	23	24	-	-	3·76	95	-	1·10	27	16	13	5	1	0	0	2	17	0	3·15	149	33
	Sunderland	9 9 9	70	45·2	35·6	40·4	-	54	14	29	24	-	-	3·13	79	-	1·12	27	18	9	5	0	0	0	4	9	-	-	-	-
	Ushaw College	9 9 9	594	43·1	33·3	38·2	+0·4	51	14	29	24	-	-	3·47	88	221	1·00	27	18	13	6	3	0	0	8	-	-	-	-	-
Yorks., N. Riding	Ampleforth	9 9 9	313	44·4	33·6	39·0	+0·7	51	2,4,14	29	12,24	-	-	4·69	119	-	1·01	27	18	14	4	2	0	0	6	17	-	2·91	-	30
	Castleton	9 9 9	450	44·0	32·5	38·3	-	53	14	21	24	37·4	-	4·04	103	-	·98	27	17	16	2	3	0	0	0	18	-	-	-	-
	Catterick	18–7 7	175	44·4	35·6	40·0	-	53	14	25	24	-	-	3·14	80	-	·48	25	19	14	6	2	0	0	2	12	1	3·04	-	32
	Scarborough †¶§	9 9 9	118	46·7	36·7	41·7	+0·8	54	2,3	32	22	-	40·8	3·25	83	192	·72	28	15	11	1	1	1	0	5	14	1	2·65	114	27
	York ¶§	2121 9	57	45·9	36·5	41·2	+1·4	54	3,4,14	30	12	39·6	42·6	2·98	76	199	·49	15	19	12	3	2	0	0	-	-	0	2·36	128	24S
Yorks., E. Riding	Hull	2121 9	8	46·3	37·4	41·9	+2·0	54	4	32	12,23,28	39·6	42·8	2·49	63	150	·47	15	20	13	2	0	2	0	1	10	-	2·56	144	26
	Spurn Head	18–7 7	29	44·6	37·9	41·3	+1·4	50	14,15	32	28	-	-	2·13	54	155	·34	16	17	13	1	0	0	0	1	-	3	2·43	98	25
Lincoln	Cranwell †††¶§	18–7 7	203	46·3	36·1	41·2	+2·4	53	3,4,14	27	24	39·2	41·8	2·59	66	173	·46	7	20	13	6	2	1	0	3	6	0	2·26	91	23
	Cleethorpes	9 9 9	23	46·1	36·2	41·1	+1·3	54	4	31	7,28	-	-	2·14	54	-	·35	26	17	11	2	0	1	0	1	8	-	2·53	112	26
	Skegness	9 9 9	15	45·8	36·3	41·1	+2·0	52	4	30	28	-	-	2·28	58	148	·41	26	17	14	1	0	2	0	0	9	-	2·64	101	27
3 ENGLAND, E.																															
Norfolk	Cromer	9 9 9	178	46·3	36·6	41·5	+1·7	54	3	28	28	-	-	2·14	54	143	·28	7	18	12	3	1	0	0	1	2	0	2·81	104	29
	Hunstanton	9 9 9	105	45·9	37·5	41·7	+2·2	54	3	29	28	-	-	2·46	63	-	·50	27	19	13	1	1	0	0	1	-	-	2·64	111	27
	Norwich	9 9 9	110	46·7	36·2	41·5	+2·0	55	15	28	24	38·9	-	2·80	71	-	·42	7	20	18	2	1	1	0	-	11	-	2·37	96	24
	Sprowston	9 9 9	93	47·4	36·4	41·9	+2·8	56	15	26	24	-	-	2·72	69	-	·44	7,28	20	15	4	0	0	0	3	15	-	2·26	90	23S
	Terrington	9 9 9	13	47·1	36·5	41·8	-	54	3,4,16	30	28	-	-	2·91	74	-	·48	28	21	15	1	1	1	0	2	8	-	2·51	-	26
	Thetford	9 9 9	99	47·5	35·5	41·5	-	56	15	26	24	39·9	42·1	2·95	75	-	·33	7	20	15	1	0	0	0	1	13	-	2·45	-	25
	(Lynford Nursery)																														
	Yarmouth ¶§	18–7 7	5	46·4	37·9	42·1	+1·9	54	3,4,15	30	24	41·5	44·2	2·71	69	181	·46	7	21	14	3	0	1	1	1	4	0	2·78	105	28
Suffolk	Bungay (Flix'n)	9 9 9	79	46·7	36·5	41·6	+2·6	54	4,15	27	24	-	-	3·19	81	-	·62	7	19	18	1	0	0	0	1	9	-	-	-	-
	Copdock	9 9 9	164	47·5	36·7	42·1	+3·0	55	15	30	24,28	40·4	42·9	3·40	86	-	·62	7	23	16	2	0	1	1	2	8	-	2·24	90	23
	Felixstowe Aero	18–7 7	15	46·5	38·8	42·7	+3·0	53	15,19	30	24	-	-	2·85	72	224	·56	7	22	16	1	0	1	0	1	4	0	2·55	88	26
	Hartest	9 9 9	250	47·4	35·6	41·5	-	54	15	29	24	-	-	2·83	72	-	·48	7	24	16	1	0	0	0	3	14	-	2·36	-	24
	Lowestoft	9 9 9	82	46·7	36·7	41·7	+2·0	54	3,4,15	30	24	40·2	41·9	2·67	68	193	·61	7	21	15	3	0	1	0	1	15	0	2·75	98	28
	Mildenhall	18–7 7	19	47·8	37·6	42·7	-	55	15	30	28	-	-	2·54	65	-	·35	4	21	14	1	1	0	0	1	7	0	2·44	-	25
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	48·1	36·0	42·1	+2·4	56	15	23	12	41·3	43·6	2·60	66	207	·37	25	20	14	1	1	1	1	0	14	0	2·35	96	24
	(Univ. Farm)	9 9 9	78	48·6	36·7	42·7	-	56	15	29	28	-	-	3·07	78	-	·43	4	21	15	1	0	0	0	2	15	0	2·35	-	24
Bedford	Luton	9 9 9	381	47·2	36·5	41·9	+3·3	54	15	28	1,28	41·5	44·4	3·50	89	-	·66	7	21	16	-	-	-	-	2	10	-	1·86	82	19
	Woburn	9 9 9	291	47·3	36·9	42·1	+3·3	55	19	29	12,24,28	40·7	45·0	4·16	106	278	·66	7	22	15	4	1	2	1	0	8	-	2·31	97	23
Hertford	Rickmansworth	9 9 9	192	48·5	32·4	40·5	-	55	4,15	20	12	39·5	42·6	5·23	133	-	·87	7	26	20	7	1	4	0	8	22	1	2·33	-	24S
	Rothamsted ¶§	9 9 9	420	46·4	36·5	41·5	+2·9	53	15,19	28	28	39·8	-	3·76	95	203	·62	7	22	16	4	2	0	0	1	12	1	2·30	92	23
	St. Albans	9 9 9	272	47·9	36·9	42·4	+3·9	55	15,19	29	18,24,28	40·6	-	4·03	102	232	·72	7	24	19	3	0	0	0	0	9	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	46·5	37·4	41·9	+2·3	52	19	31	12	41·3	43·7	3·33	85	249	·66	7	20	16	1	0	0	0	0	10	-	2·62	94	27
	Chelmsford	9 9 9	134	48·5	37·2	42·9	+3·4	54	3,19	29	24	-	-	3·83	97	256	·85	7	22	16	0	0	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	48·5	37·8	43·1	-	56	15	29	24	-	-	3·85	98	-	·87	7	22	16	0	0	0	1	-	7	-	2·40	-	24
	Earls Colne	9 9 9	168	50·0	37·1	43·5	+4·0	58	15,21,22	29	24	-	-	3·63	92	-	·65	7	18	15	0	0	0	0	-	-	-	-	-	-
	Halstead	9 9 9	140	48·5	37·1	42·8	+3·2	55	3,15	29	24	-	-	3·08	78	-	·68	7	21	14	3	0	1	1	2	-	-	-	-	-	-
	Shoeburyness	18–7 7	11	48·7	39·0	43·9	+3·8	56	15	29	24	-	-	3·28	83	269	·86	7	21	17	2	0	3	0	1	9	0	2·42	88	25
4 MIDLAND COUNTIES																															
Yorks., W. Riding	Askham Bryan	9 9 9	90	46·3	34·6	40·5	-	54	14	26	12	-	-	3·10	79	-	·61	28	17	14	1	1	0	0	2	12	-	2·67	-	28
	Bingley	9 9 9	610	43·1	34·5	38·8	-	52	2,3	28	12,24	-	-	5·07	129	-	·89	25	23	20	11	1	0	0	4	12	-	-	-	-
	Bradford	9 9 9	439	44·3	34·9	39·6	+1·1	52	2,3,4	28	12	37·9	41·5	5·18	131	223	·69	27	22	16	-	-	-	-	5	11	-	2·18	132	22
	Doncaster	9 9 9	26	46·6	35·0	40·8	-	56	14	22	24	-	-	3·05	77	-	·80	28	19	15	3	1	0	0	2	17	-	2·14	-	22
	Giggleswick	9 9 9	575	43·6	33·5	38·5	+0·8	53	14	24	12	-	-	6·80	173	-	·97	25	24	22	9	1	4	1	2	-	1	2·05	117	21
	Harrogate ¶§	9 9 9	478	44·3	35·3	39·8	+1·8	52	2,14	28	24	38·9	40·8	5·03	128	232	·68	27	20	18	6	2	0	0	7	12	0	2·73	124	28
	Huddersfield	2121 9	325	45·0	35·6	40·3	+1·2	54	3,14	27	12	38·5	41·7	5·65	143	243	1·25	27	22	18	7	2	1	0	6	9	-	1·50	96	15
	,, (Oakes)	9 9 9	761	44·1	34·6	39·3	+1·4	51	2,3	28	28	37·9	41·0	6·15	156	233	·97	27	25	19	7	5	1	0	5	8	0	-	-	-
	Meltham **	9 9 9	514	44·1	34·9	39·5	+1·2	53	3,14	27	24	38·4	39·1	7·70	196	204	·91	27	23	20	10	3	3	0	4	10	-	-	-	-
	Pontefract	9 9 9	255	44·9	35·4	40·1	+1·1	54	2,14	28	24	-	-	2·76	70	184	·38	7	19	14	-	-	-	-	7	10	-	-	-	-
	Sheffield	9 9 9	428	45·1	36·8	40·9	+1·2	56	14	30	28	38·3	40·9	5·19	132	220	·50	25	23	19	-	-	-	-	-	5	-	2·05	103	21
	Wakefield	9 9 9	124	47·1	35·5	41·3	+2·0	57	14	28	12,24	39·4	42·7	4·32	110	225	·71	28	20	16	9	1	8	0	6	9	-	2·00	131	21S
Derby	Belper (School)	9 9 9	222	47·1	34·6	40·9	+3·2	54	19	27	12	-	-	4·30	109	202	·47	7	23	22	7	2	0	1	-	-	-	-	-	-
	Buxton	9 9 9	1007	41·6	33·9	37·7	+1·2	50	2,3,14	22	28	37·3	39·2	8·94	227	239	1·19	27	26	24	12	2	4	0	11	7	-	1·14	67	12
Nottingham	Attenborough	18 7 7	8	46·8	36·5	41·7	-	56	14	27	12,24	40·6	44·4	3·41	87	-	·39	24	23	17	11	1	5	1	3	10	1	-	-	-
	Mansfield	9 9 9	357	44·9	35·7	40·3	+1·9	52	3	30	12,28	-	-	3·62	92	-	·45	24	20	18	7	2	0	0	6	-	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft.

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

†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage	
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft				Amount	Date	0·2 mm or more	1 mm or more								of Average	of Possible
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham *cont.*	Nottingham ¶§	9 9 9	192	46·9	36·5	41·7	+2·4	54	2,3,14	29	12,13	39·0	41·0	3·31	84	216	·43	24	23	17	-	-	-	-	6	12	-	1·85	95	19
	Sutton Bon'gton	9 9 9	157	47·5	35·5	41·5	+2·6	56	14	29	12,28	40·3	-	3·43	87	249	·42	7	21	18	5	0	2	0	2	7	-	2·11	*105*	22
	Worksop ..	9 9 9	56	46·6	35·9	41·3	+1·8	55	14	26	24	40·1	43·5	2·50	63	163	·40	8	21	13	6	2	1	0	-	10	0	2·16	86	22
Leicester	Belvoir Castle ..	2121 9	259	45·9	35·9	40·9	+2·1	54	14	28	24	40·7	44·0	2·85	73	173	·46	7	21	14	-	-	-	-	-	8	-	2·24	89	23
	Leicester ..																													
Northampton	Oundle	9 9 9	147	47·1	35·9	41·5	+2·8	54	4	28	24,28	40·8	43·7	2·49	63	-	·32	12	20	15	3	1	0	0	4	13	-	2·65	*119*	27
Warwick	Birmingham ¶§	18–7 7	535	45·6	37·3	41·5	+2·2	55	14,19	28	28	41·2	44·8	3·89	99	230	·50	7	25	18	9	1	4	1	3	5	0	2·22	109	23
	„ Sparkhill	713 7	425	46·5	36·5	41·5	+2·2	56	19	29	28	-	-	4·14	105	229	·61	7	24	17	10	1	3	1	1	14	-	-	-	-
	Coventry	9 9 9	241	47·3	35·5	41·4	+1·9	57	19	26	12	41·3	43·8	3·31	84	187	·66	7	23	19	3	1	0	0	0	15	-	2·03	100	218
	Rugby	2121 9	390	46·7	34·1	40·4	+1·7	54	14,19	27	18,28	-	-	3·35	85	-	·54	7	22	17	5	1	1	0	-	13	-	1·97	-	20
	Stratford-on-Avon	9 9 9	210	47·7	36·2	41·9	-	(56)	(19)	29	12,28	-	-	3·31	84	-	·76	7	24	14	1	1	1	0	1	-	-	2·19	-	22
Oxford	Oxford .. ¶§	9 9 9	208	49·1	38·2	43·7	+3·6	56	14	30	28	41·4	43·8	4·73	120	286	·72	7	24	16	5	1	5	1	2	8	0	2·38	94	24
Bucks	Halton	9 9 9	544	46·9	36·5	41·7	-	54	15	28	28	40·6	43·3	4·10	104	-	·73	7	20	16	5	1	4	0	3	13	-	1·84	-	19
	Mursley	9 9 9	490	46·9	36·3	41·6	+3·3	54	19	28	12,28	41·0	-	3·60	91	213	·65	7	19	14	-	-	-	-	-	-	-	2·16	*92*	22
Stafford	Market Drayton	9 9 9	581	44·9	35·1	40·0	-	56	14	28	12	-	-	4·49	114	-	·58	7	23	21	10	3	4	0	3	9	-	1·88	-	19
	Mayfield	9 9 9	374	44·6	34·7	39·7	+1·8	53	3,14	28	7,24	-	-	6·23	158	278	·54	10	25	21	8	2	6	1	-	13	-	1·55	*77*	168
Shropshire	Newport	9 9 9	211	46·3	36·2	41·3	-	56	14	30	7,12,28	-	-	3·49	89	222	·47	7,25	23	19	4	1	3	0	1	9	-	1·84	-	19
	Shrewsbury ..	9 9 9	184	47·1	37·0	42·1	+2·1	58	14	30	28	41·5	44·0	3·35	85	-	·51	7	24	22	7	1	0	0	0	11	2	1·96	-	20
Worcester	Malvern	9 9 9	380	47·2	38·7	42·9	+3·2	56	14,19	30	28	40·2	42·2	4·52	115	250	1·00	7	23	18	1	1	1	0	2	4	-	2·31	*90*	24
	Worcester .. (Perdiswell)	9 9 9	94	48·2	37·4	42·8	+3·5	57	14,19	26	12	-	-	3·60	91	-	·87	7	23	17	2	0	2	0	-	13	-	2·33	-	24
Hereford	Bromyard ..	9 9 9	393	46·8	36·7	41·7	+2·4	57	14	27	12	40·7	43·0	4·34	110	-	·85	7	24	20	2	1	1	0	6	14	-	-	-	-
	Ross-on-Wye ¶§	9 9 9	292	47·5	37·3	42·4	+2·9	56	19	29	12	-	-	4·68	119	229	·78	7	26	20	2	1	1	0	0	7	1	-	-	-
		18–7 7	223	47·7	39·4	43·5	+2·9	56	14,19	28	12	41·8	44·1	3·51	89	175	·77	7	25	18	1	0	3	0	0	11	1	2·09	*86*	21
Gloucester	Bristol (Horfield)	18–7 7	206	48·3	39·6	43·9	-	54	15	30	12	42·8	44·5	4·77	121	-	1·15	7	24	19	2	1	5	0	3	7	1	-	-	-
	Cheltenham ..	2121 9	214	48·0	36·8	42·4	+2·3	57	19	27	12	41·5	43·8	3·36	85	174	·55	7	24	18	4	1	3	0	1	13	0	2·03	*83*	20
	Cirencester ..	9 9 9	443	47·3	35·5	41·4	+2·9	55	14	26	12	-	-	4·71	120	-	·61	7	23	19	4	1	2	0	5	15	-	2·20	*78*	22
	Parkend	9 9 9	325	47·8	36·7	42·3	-	56	14	24	12	41·3	43·2	5·64	143	-	1·04	7	23	22	1	1	1	0	5	8	-	2·13	-	22
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·56	126	16
	Camden Square ..	9 9 9	110	48·7	39·6	44·1	+3·6	56	15	32	12,28	41·8	44·8	4·33	110	262	·80	7	23	20	1	0	1	0	-	9	-	-	-	-
	East Ham ..	9 9 9	15	49·1	39·5	44·3	+4·0	57	15	32	28	-	-	3·93	100	262	·74	7	23	18	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	48·4	38·0	43·2	+3·4	56	15	31	12,28	-	43·4	4·02	102	243	·69	7	23	21	3	0	1	0	1	-	-	2·22	*109*	23
	*g*Greenwich ..	2424 9	149	48·6	37·8	43·2	+2·8	57	15	29	12	43·0	44·8	3·94	100	251	·69	7	22	18	1	0	2	0	2	14	0	1·49	72	15
		21 9 –	—	48·5	38·9	43·7																								
	Hampstead ..	9 9 9	450	47·1	36·5	41·8	+2·7	53	15	29	12,28	-	-	4·36	111	-	·83	7	22	20	3	1	1	0	-	15	-	2·06	*100*	21
	Kensington ..	18–9 9	80	48·5	40·2	44·3	+3·2	55	15	32	12	42·8	44·7	4·14	105	250	·68	7	23	19	1	0	0	0	3	11	0	1·97	-	20
	Kingsway ..	—	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·45	-	15
	Regent's Park ..	9 9 9	129	48·8	39·5	44·1	-	56	15	31	28	-	-	4·21	107	-	·78	7	24	20	2	0	0	0	3	5	-	1·65	103	17
	Kew ¶§	242424	18	48·0	39·0	43·5	+2·8	55	15	31	12	42·1	45·0	4·05	103	264	·68	22	22	17	2	0	2	0	1	8	0	2·23	103	23
	Observatory ..	18–7 –	—	48·2	39·8	44·0	+2·9																							
	Tottenham ††¶§	2121 9	51	48·7	39·7	44·2	+3·1	56	15	32	28	-	45·5	4·38	111	271	·84	7	22	18	0	0	1	0	-	3	-	2·18	*123*	22
	Westminster ..	9 9 9	27	49·5	39·2	44·3	+2·8	55	3,15	31	12	-	-	3·90	99	268	·70	7	23	19	1	0	1	0	-	9	-	1·76	106	18
Surrey	Addington ..	9 9 9	472	47·1	38·1	42·6	+3·5	54	15	29	28	-	-	5·30	135	-	·72	7	23	18	1	0	0	0	2	-	-	-	-	-
	Croydon	18–7 7	217	48·3	39·9	44·1	+3·6	55	15	31	28	-	-	4·66	118	242	·66	7	22	17	3	0	2	0	0	4	0	2·07	94	21
	Wisley	9 9 9	150	48·8	38·9	43·9	+3·9	55	15	30	12	43·3	-	3·90	99	-	·61	4	24	19	1	0	0	0	1	13	0	2·04	88	218
Kent	Biggin Hill ..	18–7 7	567	46·3	39·2	42·7	+3·6	54	15	29	28	-	-	4·97	126	218	·80	4	22	19	4	0	4	0	1	8	0	2·15	*90*	22
	Bromley	9 9 9	213	48·7	38·4	43·5	-	57	15	30	12	-	-	4·09	104	247	·73	7	23	15	2	0	0	0	1	10	-	-	-	-
	Canterbury ..	9 9 9	135	48·6	38·5	43·5	+3·3	54	3,15,19	30	24	43·3	44·3	3·89	99	-	·80	4	23	17	-	-	-	-	-	-	-	-	-	-
	Dover	9 9 9	22	48·7	40·1	44·4	+3·9	55	19	33	24,28	43·5	45·2	5·01	127	-	1·00	7	23	17	3	0	2	0	0	1	0	2·23	*75*	22
	Dungeness ..	18–7 7	20	48·6	39·9	44·3	+3·6	(53)	(8)	29	12	-	-	3·76	95	233	·70	4	20	17	1	0	1	0	1	-	0	-	-	-
	East Malling ..	9 9 9	132	48·5	38·1	43·3	+3·5	54	3,19	31	7,24,31	-	-	4·24	108	-	·63	7	21	17	3	0	2	0	3	11	0	2·03	*85*	20
	Folkestone ..	9 9 9	101	48·0	38·8	43·4	+3·0	53	19	31	23	-	45·9	5·10	129	-	1·20	7	22	16	2	0	2	1	5	11	-	2·31	80	23
	Goudhurst ..	9 9 9	290	48·0	37·6	42·8	-	53	3,19	30	24,28	-	-	5·33	135	-	1·07	4	24	19	1	0	0	1	2	9	-	-	-	-
	Lympne	18–7 7	346	46·4	38·0	42·2	+2·9	52	3,20	29	12,28	-	43·8	4·75	121	242	1·05	7	23	18	4	0	2	0	7	11	0	2·33	*79*	23
	Manston	18–7 7	142	48·0	38·9	43·5	-	55	3,15	31	28	-	-	3·52	89	-	·80	7	22	15	1	0	2	1	2	7	1	2·74	-	-
	Margate	9 9 9	51	48·1	40·1	44·1	+3·2	55	15	32	28	42·6	44·2	3·68	93	267	·98	7	20	13	2	0	1	0	0	1	0	2·65	89	27
	Tunbridge W. ..	9 9 9	355	48·0	37·1	42·5	+3·4	53	19	27	12	41·7	43·6	4·81	122	-	1·10	4	19	16	1	0	0	0	1	10	0	2·16	81	22
	Wye	9 9 9	164	47·9	37·5	42·7	+3·5	53	3,19	29	24	-	-	4·33	110	-	·92	4	24	16	2	0	0	0	-	11	0	2·21	*82*	22
Sussex	Ardingly ..	9 9 9	437	47·1	36·8	41·9	+3·2	51	15,19	30	12,28	-	-	6·10	155	-	1·25	4	23	18	1	1	1	0	-	10	-	-	-	-
	Beachy Head ..	18–7 7	502	47·4	39·8	43·6	+4·1	52	5	30	12	-	-	5·42	138	-	1·32	4	23	20	1	0	4	0	8	-	-	-	-	-
	Brighton ..	9 9 9	32	48·5	40·7	44·6	+3·8	54	19	33	12	-	45·3	4·75	121	236	·91	7	23	19	1	0	0	0	4	3	0	2·20	73	22
	Eastbourne ..	2121 9	35	48·9	40·7	44·8	+3·5	52	3,4	34	12,28	44·3	46·2	5·73	146	260	1·24	4	23	18	1	0	1	0	2	3	-	2·24	73	23
	Hastings ¶§	2121 9	149	49·1	39·2	44·1	+3·2	53	19	30	12	43·4	46·2	5·64	143	281	1·22	4	23	17	1	0	2	1	0	6	0	2·23	72	22
Berkshire	Ascot H'therw'd	2121 9	300	48·0	37·1	42·5	+3·0	54	14,15	29	12,28	-	-	4·13	105	-	·57	7,21	23	20	4	1	0	0	1	9	-	2·56	104	26
	Reading	9 9 9	152	49·5	38·9	44·2	+4·3	55	4,14,15	31	12,28	42·4	45·0	4·23	107	-	·57	24	24	18	1	1	0	0	-	13	0	-	-	-
	Shinfield ..	9 9 9	200	48·9	37·7	43·3	+3·8	55	14	29	28	-	-	4·09	104	-	·53	7,24	23	17	2	1	2	0	-	-	-	-	-	-
	Warfield	9 9 9	220	48·7	38·5	43·6	-	55	15	30	28	41·6	-	4·59	117	-	·71	21	23	21	1	1	0	0	3	9	-	2·16	-	22

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	49·6	40·3	44·9	+3·9	56	14	30	28	44·0	44·9	6·09	155	254	·98	2	26	18	2	0	1	0	9	-	-	2·39	80	24
	Calshot	18–7 7	8	49·1	41·2	45·1	+3·7	55	19	30	12	-	-	4·85	123	268	·90	4	26	18	2	1	3	1	2	3	1	2·32	80	23
	Leckford ..	9 9 9	385	47·6	37·6	42·6	-	54	14	29	28	42·1	-	5·49	139	-	·66	3	24	19	2	1	4	-	2	-	-	2·25	-	23
	Long Sutton ..	9 9 9	479	48·1	37·2	42·7	+4·2	53	1,14,15	29	1,28	41·7	-	5·53	141	-	·62	2	25	20	1	0	2	1	1	7	-	2·20	88	22
	Southamp'n ¶§	2121 9	64	49·5	39·1	44·3	+3·2	55	14	30	12,28	-	-	5·63	143	247	·92	4	26	23	3	1	0	1	4	6	1	2·30	86	23
	S. Farnboro' ..	18–7 7	237	48·9	39·0	43·9	+4·0	54	14, 15, 19	27	12	-	-	4·32	110	228	·63	4	23	19	1	1	4	0	0	11	0	2·39	93	24
I. of Wight	Newport	9 9 9	48	50·2	40·0	45·1	+4·2	56	14	28	12	-	-	6·40	163	-	1·24	4	23	17	1	0	1	0	0	8	-	-	-	-
	Ryde	9 9 9	13	50·1	41·2	45·7	+4·0	55	14	32	28	-	-	5·43	138	-	1·01	4	23	18	1	0	0	0	0	-	1	2·60	92	26
	Sandown ..	9 9 9	13	50·1	41·6	45·9	+3·8	55	14	32	28	-	-	5·69	145	-	1·22	4	21	19	1	0	0	0	0	-	-	2·61	86	26
	Totland Bay ..	9 9 9	140	48·9	41·5	45·2	+3·9	54	14	33	28	-	-	5·11	130	254	·77	4	25	17	2	1	2	0	1	5	3	2·43	81	24
	Ventnor(Hospital)	9 9 9	59	49·7	42·1	45·9	+2·5	54	14	33	28	-	-	5·37	136	257	·87	4	22	20	1	0	2	0	-	-	0	2·46	81	25
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	47·6	38·7	43·1	-	55	14	29	28	-	-	5·01	127	-	·82	7	21	19	1	1	5	0	2	8	1	2·17	-	22
	Larkhill	9 9 9	440	47·9	37·9	42·9	+3·8	54	14	29	12,28	-	-	4·66	118	242	·64	7	23	19	1	1	3	0	2	8	2	-	-	-
	Marlboro' ¶§	9 9 9	424	48·0	37·0	42·5	+3·6	53	14,15	27	12	42·2	44·6	6·24	158	255	·81	7	23	20	2	1	3	1	1	10	4	1·93	88	19
	Porton	9 9 9	363	48·6	37·4	43·0	+4·1	56	14	27	12	42·2	-	4·80	122	244	·81	7	22	19	2	1	2	0	1	9	2	2·23	85	22
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	45·1	35·2	40·1	+0·4	56	14	26	28	39·0	42·6	6·49	165	132	·96	27	21	15	7	1	3	0	0	9	1	1·63	87	17
	Newton Rigg ¶§	2121 9	560	43·2	32·9	38·1	+0·2	55	14	23	28	-	-	4·54	115	148	1·15	27	24	16	10	3	1	0	1	14	0	2·54	115	27
Westmorland	Ambleside ..	9 9 9	145	44·8	34·2	39·5	-	51	3	26	24	-	-	10·80	274	-	1·25	3	22	22	7	1	2	0	0	-	-	1·73	-	18
	Appleby	9 9 9	440	43·9	33·3	38·6	+1·5	55	14	24	12	-	-	4·03	102	137	·69	15	21	16	5	2	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	45·0	36·2	40·6	+1·5	52	3	29	28	39·6	42·0	6·95	177	229	·78	27	25	22	9	2	7	1	-	4	-	1·65	139	178
	Burnley	9 9 9	458	43·6	35·2	39·4	+0·9	51	2,3,4	27	12	39·2	41·4	6·19	157	-	·77	27	23	19	6	2	5	0	3	9	-	1·09	75	118
	Darwen	2121 9	724	42·4	34·4	38·4	+0·6	50	3,14	27	12,28	38·9	41·1	7·24	184	198	·82	25	26	22	9	2	6	2	3	9	-	1·34	84	145
	Hutton	9 9 9	82	45·9	36·4	41·1	+1·6	54	4	30	12,28	40·2	43·1	4·64	118•	-	·48	25	19	19	4	1	3	1	3	11	0	2·05	108	21
	Lancaster ..	9 9 9	312	45·1	35·9	40·5	+0·9	51	6	30	12,28	38·1	40·8	5·73	145	199	·62	25	24	21	1	1	1	0	4	8	-	2·21	103	23
	Leyland	9 9 9	125	45·9	35·7	40·8	+1·3	54	4	27	12	-	-	4·48	114	186	·49	25	22	20	4	1	2	1	4	10	-	1·93	99	20
	Manchester (Barton) ..	18–7 7	70	45·7	37·4	41·5	-	54	3	29	12	-	-	4·67	119	-	·58	8	26	23	8	1	5	0	2	10	0	1·61	-	17
	(Oldham Road)	2121 9	191	45·4	38·4	41·9	+1·1	53	3	31	28	40·4	43·6	5·24	133	238	·55	8	25	25	6	-	4	0	-	0	-	0·87	84	98
	(Whitworth Pk.)	2121 9	125	46·3	37·6	41·9	+1·6	54	3	31	28	-	-	4·72	120	244	·78	27	25	22	-	-	-	-	9	8	-	1·03	79	11
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	46·3	37·4	41·9	+1·8	53	2,3,4	31	12,28	40·8	43·8	4·53	115	217	·58	25	22	17	2	1	9	0	2	4	5	2·17	91	22
	Stonyhurst ¶§	9 9 9	377	43·9	35·5	39·7	+0·9	52	3	29	28	-	-	6·16	157	184	1·01	25	21	20	9	1	5	1	5	6	1	2·11	110	22
Cheshire	Bidston Obs'y ..	9 9 9	198	45·3	37·4	41·3	+1·0	53	2,3	30	28	-	-	4·46	113	264	·45	7	23	22	3	1	7	1	4	0	2	2·01	86	23
	Hoylake	9 9 9	23	47·0	38·1	42·5	+1·7	54	2,3,4	31	28	-	-	4·47	113	264	·58	27	24	22	4	1	4	1	-	5	-	1·60	66	16
	Macclesfield ..	9 9 9	500	44·3	35·4	39·9	+1·7	52	3,4	16	28	-	-	5·75	146	266	1·25	27	25	23	7	2	2	0	3	-	-	-	-	-
	West Kirby ..	9 9 9	25	45·9	37·7	41·8	+1·9	53	2,3	31	28	-	-	4·73	120	286	·79	27	24	21	6	1	10	3	0	7	-	2·23	93	23
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	47·8	38·3	43·1	+2·0	57	14	31	24	-	-	4·44	113	-	·61	27	24	18	8	1	6	0	0	-	-	-	-	-
	Rhyl	9 9 9	31	47·1	38·4	42·7	+1·5	55	3	32	12,28	-	-	4·24	108	269	·92	27	23	19	3	0	7	1	0	4	4	1·91	71	27
	Sealand .. ¶§	18–7 7	16	46·8	38·8	42·8	+2·1	57	14	31	24	41·8	44·7	4·89	124	311	·52	27	25	22	3	1	8	0	0	7	3	2·25	102	23
Anglesey	Holyhead ¶§	18–7 7	26	46·4	41·2	43·8	+1·1	52	14	32	28	-	-	4·57	116	187	·54	15	21	19	2	0	3	0	0	1	7	2·28	86	23
Denbigh	Colwyn Bay ..	9 9 9	118	47·5	39·4	43·5	+1·4	55	14	31	28	-	-	4·17	106	196	·80	27	23	18	2	1	3	1	0	-	-	1·53	57	16
Carnarvon	Aber	9 9 9	60	47·9	39·4	43·7	+1·6	55	3	31	28	-	-	6·22	158	-	·82	7	24	19	6	1	4	1	-	3	2	1·01	47	108
	Llandudno ..	9 9 9	13	47·3	39·3	43·3	+1·2	58	3	31	28	-	-	4·22	107	214	·74	27	22	19	2	2	2	1	1	3	1	1·84	71	19
Montgomery	Welshpool ..	9 9 9	254	47·7	36·4	42·1	+2·4	57	14	27	12	-	-	5·83	148	274	1·26	24	26	20	3	1	0	0	1	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	46·9	40·4	43·7	+2·2	53	2	32	28	-	-	6·92	176	-	1·03	7	25	21	1	1	2	0	2	-	-	1·71	63	17
	,, P.B.S.†	9 9 9	452	45·2	38·2	41·7	+1·4	51	2,3,4	(30)	(28)	-	-	6·14	156	-	·85	7	24	21	2	1	3	0	1	4	0	1·67	61	17
	Ciliau Aeron ..	9 9 9	252	47·8	39·1	43·5	-	53	2,14,19	30	12	-	-	5·77	147	-	·59	7,27	25	22	2	1	4	0	0	-	1	1·50	-	15
Pembroke	Haverfordwest ..	2121 9	233	48·7	39·6	44·1	+2·6	52	3,4,19	27	12	-	-	6·75	171	-	·97	25	24	20	3	1	3	0	1	-	-	2·21	81	22
	St. Ann's Hd. ¶§	18–7 7	142	47·5	42·6	45·1	+2·2	51	2,3,19	26	28	-	-	4·50	114	168	·83	24	24	19	1	0	3	0	2	-	16	1·91	73	19
Radnor	Llandrindod Wells	9 9 9	772	46·3	35·8	41·1	-	54	19	27	12	-	-	5·99	152	-	·76	25	25	24	7	1	0	0	1	-	1	1·52	-	15
	Rhayader ¶§	9 9 9	757	44·9	36·1	40·5	+2·6	55	14	26	12	-	-	8·35	212	207	1·00	27	27	26	9	2	5	1	1	4	1	1·33	61	14
Brecknock	Cantref	9 9 9	1080	42·3	35·3	38·8	-	49	19	27	28	-	-	10·54	268	-	1·80	2	26	25	4	1	0	2	5	-	-	1·44	-	15
Glamorgan	Cardiff	2121 9	202	48·2	38·8	43·5	+3·0	53	2,4,15	30	28	42·3	44·9	6·39	162	217	·86	7	26	21	2	1	0	0	2	5	1	2·14	81	22
	Swansea	9 9 9	32	48·7	40·4	44·5	+2·6	52	3,4,19	31	28	43·1	48·8	7·20	183	-	·90	2	25	21	2	1	2	0	2	5	-	2·26	91	23
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	47·7	38·5	43·1	+2·6	53	4,14,15	30	28	41·9	44·4	6·77	172	-	1·04	7	25	20	-	-	-	-	1	-	-	2·30	-	23
	Usk	9 9 9	70	48·7	37·5	43·1	+3·5	56	19	27	12	42·6	-	7·59	193	-	1·27	3	21	19	2	0	1	1	0	13	0	2·11	94	23
Somerset	Bath .. ¶§	9 9 9	67	49·5	39·3	44·4	+3·8	55	15	28	12	42·9	45·4	5·00	127	231	·57	24	23	19	1	1	2	0	3	-	0	1·94	72	20
	Cannington ..	9 9 9	95	49·6	40·0	44·8	-	58	14	30	12	-	-	4·47	113	-	·62	7	24	19	1	0	2	0	1	9	2	2·31	-	23
	Long Ashton ..	9 9 9	162	48·7	38·7	43·7	+3·0	54	2,15	30	12	-	-	5·16	131	218	1·18	7	23	19	2	1	2	0	2	10	0	1·85	73	19

† Plant Breeding Station. ¶§ S *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 FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount. in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
8b ENGLAND, S.W.—*cont.*	G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Dorset Holton Heath ..	9 9 9	64	50·1	39·9	45·0	+3·9	58	14	29	12	43·6	45·0	6·22	158	-	1·04	2	23	18	1	1	3	0	0	9	1	2·31	83	23
Portland Bill ..	18–7 7	32	48·9	44·2	46·5	+3·6	53	19	35	28	-	-	4·75	121	246	·71	7	22	20	1	0	1	1	0	-	0	-	-	-
Shaftesbury ..	9 9 9	722	46·7	37·9	42·3	+3·3	53	14	27	28	-	-	4·18	106	180	·54	7	25	19	3	1	2	1	-	-	-	-	-	-
Devon Arlington ..	9 9 9	613	47·8	38·5	43·1	+2·9	52	15	28	28	-	-	8·24	209	212	1·07	21	25	22	4	1	6	0	-	-	-	-	-	-
Cullompton ¶§	9 9 9	202	49·4	38·9	44·1	+3·0	55	14,15	22	12	43·9	-	6·69	170	239	1·18	25	25	20	2	1	1	0	0	13	-	1·99	74	20
Ilfracombe ..	9 9 9	25	50·4	42·6	46·5	+3·3	56	15	35	12	44·9	47·5	6·87	175	261	·98	2	24	22	1	0	2	0	0	0	-	1·70	67	17
Killerton ..	9 9 9	159	50·1	39·2	44·7	+3·3	58	14	28	12	-	-	6·10	155	-	·92	25	24	20	-	-	-	-	1	12	-	-	-	-
Moretonhampstead	9 9 9	798	47·4	39·3	43·3	-	56	14	27	28	42·5	44·3	7·86	200	-	1·53	25	25	20	4	1	7	0	2	5	2	2·05	-	21
Newton Abbot ..	9 9 9	375	49·6	40·5	45·1	+3·6	57	14	29	28	-	-	7·39	188	244	1·10	2	23	18	3	1	4	0	2	4	-	2·35	84	24
Paignton ..	9 9 9	12	51·3	41·6	46·5	+3·6	56	14,15,19	29	28	-	-	7·34	186	-	1·14	2	24	20	2	1	4	0	0	6	-	2·39	89	24
Plymouth (Hoe)	2121 9	117	50·3	41·5	45·9	+2·8	53	19	26	28	45·3	47·1	7·26	184	246	·84	6	23	19	2	1	5	0	2	4	0	2·24	77	23
Plymouth (Mount Batten) ..	18–7 7	82	49·9	43·7	46·8	+3·5	53	3,19	30	28	-	-	7·30	185	-	·86	7	24	19	2	1	5	0	0	2	3	2·13	71	21
Princetown ..	9 9 9	1430	44·8	36·3	40·5	+3·4	49	14,19	26	28	-	-	15·10	383	199	2·75	2	26	25	3	1	0	0	15	5	-	-	-	-
Sidmouth ..	9 9 9	25	50·7	41·0	45·9	+3·8	57	14	30	12,28	-	-	5·73	145	-	·72	4	24	17	2	1	0	0	0	6	-	2·21	-	22
Tavistock ..	9 9 9	457	48·3	40·1	44·2	+2·7	52	14,19	29	12,28	-	45·4	9·61	244	237	1·61	2	25	20	3	1	6	2	1	9	2	-	-	-
Teignmouth ..	9 9 9	20	51·0	41·1	46·1	+3·2	57	14,19	29	28	-	-	5·88	149	220	·90	7	23	17	2	1	1	0	0	-	-	2·36	84	24
Torquay	9 9 9	27	51·3	41·7	46·5	+3·4	58	14	29	28	-	46·4	6·73	171	244	·89	2	25	17	2	1	3	0	0	3	1	2·54	86	25
Cornwall Falmouth Obs. ¶§	9 9 9	167	50·7	43·0	46·9	+3·2	55	15	32	28	45·7	47·6	8·53	217	228	1·23	2	24	22	2	0	6	0	0	2	-	2·24	79	22
Fowey	9 9 9	51	50·7	42·3	46·5	+2·6	54	6,23	34	6,12	-	-	7·65	194	-	·84	21	25	23	1	0	5	1	0	-	-	1·85	79	19
Gulval	9 9 9	20	50·9	43·2	47·1	+3·0	55	24	34	28	-	-	7·25	184	-	1·12	2	25	21	5	0	5	1	-	2	-	2·17	71	22
The Lizard ..	18–7 7	240	49·6	44·0	46·8	-	53	24	33	28	-	-	5·66	144	-	·85	6	27	22	1	0	5	0	2	-	5	-	-	-
Newquay ..	9 9 9	190	49·4	43·3	46·3	+2·6	54	15	36	28	45·7	47·4	5·01	127	196	·81	21	24	19	0	0	6	1	1	-	3	1·95	68	20
Redruth	9 9 9	397	48·7	41·5	45·1	+2·6	52	14,15	31	28	-	-	7·67	195	203	1·42	2	25	22	2	0	2	1	1	3	2	-	-	-
9 IRELAND, N.																													
Sligo Markree Cas. ¶§	2121 9	122	47/3	35·7	41·5	+0·5	54	13,14	27	12	41·3	44·0	5·47	139	156	·55	25	28	27	4	0	7	1	0	-	2	2·23	102	238
Mayo Blacksod Pt. ¶	18–7 7	18	47·1	(39·8)	(43·5)	(-0·1)	53	3	(34)	(28)	-	-	4·61	117	114	·46	3	28	24	1	0	6	2	0	-	5	-	-	-
Mallaranny §	9 9 9	113	47·7	38·4	43·1	+0·3	56	17	30	28	-	-	7·64	194	-	·71	17	28	28	-	-	-	-	0	-	-	2·13	96	22
Donegal Malin Head ¶§	18–7 7	84	44·9	39·6	42·3	+0·1	51	13	30	27	-	-	3·85	98	160	·49	12	26	21	2	0	15	1	0	-	0	1·96	87	21
Antrim Aldergrove ..	18–7 7	238	44·4	35·8	40·1	-	52	14	28	12,28	-	-	4·15	105	173	·75	25	24	18	9	0	1	0	0	8	0	2·29	-	24
Down †Donaghadee ..	8 8 8	30	46·7	36·4	41·5	+0·4	55	18	31	28	-	-	4·59	117	198	·58	25	25	17	-	-	-	-	0	-	-	2·60	-	27
Hillsborough ..	9 9 9	388	44·1	34·8	39·5	-	51	14	27	28	40·0	-	4·27	108	-	·64	25	20	16	3	1	1	0	0	11	0	2·49	-	26
Armagh Armagh .. ¶§	2121 9	204	46·3	35·3	40·8	+0·1	52	14,18	27	27	40·1	42·7	3·44	87	156	·89	25	24	20	3	2	1	0	1	9	0	2·47	108	26
Longford Newtownforbes ..	2121 9	154	47·0	34·2	40·6	+0·3	56	23	25	28	-	-	5·15	131	182	·57	2	21	21	3	1	1	0	-	-	-	-	-	-
10 IRELAND, S.																													
Dublin Dublin City .. ¶	2121 9	54	47·8	37·8	42·8	+0·2	54	18,19	30	27,28	-	-	3·06	78	162	·55	7	22	15	2	0	0	0	0	5	0	-	-	-
,, Glasnevin ..	2121 9	55	48·5	35·2	41·9	+0·2	55	18	25	12	-	-	3·94	100	208	·73	7	24	14	3	0	2	0	7	13	0	-	-	-
,, Phœnix Pk. §	2121 9	155	47·6	35·6	41·6	+0·6	54	14	25	12	-	-	3·27	83	185	·65	7	24	14	3	1	1	0	4	13	0	3·04	116	31
,, Trin. Coll. ..	2121 9	13	49·0	38·4	43·7	+0·8	55	2,14,19	30	12,28	41·9	44·1	3·05	77	176	·57	7	21	14	4	0	2	0	-	11	1	-	-	-
Hazelhatch .. .. (Peamount San.)	9 9 9	366	48·2	34·1	41·1	-	53	2,14,17	30	1,7,12	41·5	43·0	2·75	70	-	·65	26	17	14	-	-	-	-	0	-	-	2·45	-	25
Rathfarnham ..	9 9 9	169	48·0	37·0	42·5	-	55	2	28	12,28	41·5	-	3·61	92	-	·83	7	19	15	4	0	0	0	1	5	-	2·87	-	30
Wicklow Newcastle ..	2121 9	256	48·0	36·6	42·3	+0·4	56	14	29	27	-	-	5·40	137	-	1·04	7	23	15	0	0	0	0	1	-	-	-	-	-
Offaly Birr Castle ¶§	18–7 7	173	47·1	37·1	42·1	+0·6	53	15,18,19	30	12,23,28	41·9	44·1	4·15	105	182	·47	26	24	17	3	0	2	0	0	12	0	2·47	106	25
Waterford Seskin, Carrick-on-Suir	2121 9	535	46·3	36·5	41·4	+0·5	53	19	27	27	-	-	5·38	137	-	·67	15	24	17	1	1	1	0	2	15	6	3·16	127	32
Waterford ¶	9 9 9	137	48·3	38·6	43·5	+1·2	56	14,19	31	12,28	-	-	4·96	126	154	·81	23	20	15	1	0	1	0	11	-	3	-	-	-
Limerick Foynes	9 9 9	43	48·8	38·9	43·9	+1·4	54	13	30	28	-	-	5·16	131	162	·86	21	25	23	-	-	-	-	-	-	-	-	-	-
Kerry Valentia Obs. ¶§	242424	30	49·2	42·0	45·6	+1·3	53	19	34	23,28	44·4	46·2	7·23	184	139	·80	26	24	22	2	1	11	2	0	3	8	1·79	76	18
	18–7 –	—	48·7	41·7	45·2	+0·4																							
Cork Ballinacurra §	9 9 9	24	50·0	38·1	44·1	+1·4	57	19	29	6,7	-	-	4·72	120	126	·76	7	20	14	3	0	1	0	-	-	-	2·67	110	27
Cork	9 9 9	57	50·6	37·5	44·1	+1·6	57	19	30	28	-	-	4·30	109	115	·85	7	17	16	3	3	0	0	3	10	-	2·64	-	27
Roche's Pt. ¶	18–7 7	22	49·3	41·7	45·5	+1·2	57	19	32	28	-	-	5·33	135	144	·81	7	24	17	3	1	2	0	1	-	0	-	-	-
11 CHANNEL ISLES AND SCILLY																													
Scilly St. Mary's ¶§	18–7 7	163	50·1	45·2	47·7	+2·2	53	3,6	36	27,28	-	-	4·56	116	178	·75	6	26	21	2	0	3	1	1	-	7	2·29	80	23
Guernsey St. Peter Port ¶§	18–7 7	175	50·7	45·0	47·9	+4·6	54	14,24,26	32	28	46·2	47·4	6·47	164	261	·90	4	26	24	2	1	5	0	0	1	1	2·10	70	21
Jersey St. Heliers ¶§	9 9 9	28	50·3	44·3	47·3	+4·2	53	24,26	33	28	-	-	6·29	160	258	1·02	4	26	22	0	0	2	0	1	-	-	2·13	65	21
GIBRALTAR	18–7 7	393	61·0	53·3	57·1	+1·6	67	19	46	1,9,10	-	-	·19	5	-	·09	8	3	2	0	0	0	0	1	0	0	-	-	-
MALTA	18–7 7	231	59·7	52·3	56·0	+1·7	67	1	43	19	-	-	2·67	68	133	·85	2	8	8	0	0	1	1	0	-	2	6·54	115	60

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	47·0	38·0	42·3
	,,	18	47·3	37·5	42·5

TABLE III (*b*)—SKY OBSERVATIONS, FEBRUARY, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	0
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	28 nights	24 nights
Average exposure (hours)	11·75	11·56
Polaris unobscured (per cent.)	44	37
δ Ursæ Minoris (ditto)	39	31

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

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 10)	259
Mean	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, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY												
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
0 SCOTLAND N.			1	160	995·4	-	37·3	1·1	6·6	89	7·7	0	1	9	9	9	0	0	0	0	0	2	1	5	20	0	3	3	12	9	1	6	1	2	5	5	2	3	3
Shetlands	Lerwick	.. ..	7	160	995·1	-12·0	36·7	1·1	6·6	89	8·5	0	0	4	15	9	0	0	0	1	0	3	3	4	17	0	2	4	10	11	1	7	1	3	4	4	2	1	5
			13	160	995·3	-	39·1	1·8	6·8	83	8·3	0	0	5	15	8	0	0	0	0	0	0	3	5	20	0	2	5	11	10	0	4	3	1	4	7	3	2	4
			18	160	995·4	-	38·0	1·5	6·7	86	8·0	0	1	8	9	10	0	0	0	0	0	0	2	7	19	0	1	3	13	11	0	4	4	1	3	6	3	4	3
			9	165	995·5	-	37·7	1·4	6·8	87	6·4	0	3	13	8	4	0	0	0	0	0	0	1	2	23	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Orkneys	Deerness	.. ..	21	165	995·2	-	37·9	1·6	6·6	85	7·0	0	6	6	8	8	0	0	0	0	0	0	1	0	27	0	-	-	-	-	-	-	-	-	-	-	-	-	-
			1	83	995·4	-	39·1	1·1	7·2	90	6·4	0	6	8	8	6	0	0	0	0	0	0	0	7	18	3	0	10	14	4	0	3	0	1	3	5	4	9	3
			7	83	995·5	-12·3	38·8	0·9	7·4	92	7·2	0	3	7	13	5	0	0	0	0	0	0	1	5	16	6	2	11	9	6	0	4	1	1	2	5	6	5	4
Hebrides	Stornoway	..	13	83	996·0	-	41·5	1·9	7·3	83	7·3	0	3	6	15	4	0	0	0	0	0	0	0	4	15	9	2	13	9	4	0	3	1	2	2	6	5	5	4
			18	83	995·1	-	39·3	1·2	7·2	89	8·4	0	0	6	11	11	0	0	0	0	0	0	3	6	14	5	5	8	9	6	0	1	2	2	7	4	2	6	4
			1	79	995·0	-	37·7	0·8	7·2	92	8·2	0	3	1	15	9	0	0	0	0	0	0	4	7	17	0	4	3	8	13	0	1	0	2	4	4	5	6	6
			7	79	995·1	-13·0	36·8	1·0	6·7	91	7·9	0	3	3	12	10	0	0	0	0	0	0	2	4	22	0	3	2	6	17	0	3	0	1	2	5	4	6	7
Caithness	Wick	.. ..	13	79	995·6	-	39·8	1·5	7·3	87	8·1	0	0	4	16	8	0	0	0	0	0	0	2	4	22	0	1	4	11	12	0	3	1	0	4	4	5	5	6
			18	79	995·1	-	37·9	1·0	7·0	91	8·6	0	0	2	13	13	0	0	0	0	0	1	2	5	20	0	1	4	9	14	0	2	1	4	3	5	4	4	5
			7	1180	945·5	-	32·4	1·1	5·3	88	8·2	0	3	2	9	14	0	0	1	0	0	0	8	15	4	0	0	3	6	16	3	4	1	0	2	4	7	4	3
Inverness	Dalwhinnie†	..	13	1180	954·9	-	35·1	1·6	5·7	83	8·2	0	2	4	10	12	1	0	0	0	0	2	2	14	9	0	1	1	9	15	2	3	1	0	3	4	7	3	5
			18	1180	953·9	-	33·2	1·3	5·5	86	8·2	0	2	4	7	15	1	0	0	1	2	2	3	15	4	0	1	6	6	15	0	6	0	0	4	6	5	4	3
			9	250	997·0	-	36·8	0·8	6·8	92	5·5	0	8	12	5	3	0	0	0	0	0	0	3	3	2	20	0	0	4	23	1	0	3	1	4	2	8	6	3
Inverness	Inverness	.. ..	17	250	996·5	-	37·7	0·8	7·1	92	6·0	0	2	17	7	2	0	0	0	0	0	0	3	3	0	22	0	1	1	26	0	1	5	3	2	3	4	6	4
1 SCOTLAND, E.																																							
			7	85	996·4	-14·1	36·7	2·1	5·9	80	5·1	0	13	3	4	8	0	0	0	0	1	0	6	5	16	0	0	0	12	15	1	2	0	2	2	3	5	6	7
			13	85	996·6	-13·9	40·5	3·1	6·2	73	6·3	0	8	5	7	8	0	0	0	0	0	1	8	6	13	0	0	1	16	10	1	2	0	3	2	5	4	4	7
Aberdeen	Aberdeen	H	18	85	996·3	-14·3	38·6	2·4	6·2	78	6·2	0	9	5	4	10	0	0	0	0	0	3	8	11	6	0	0	1	10	16	1	1	0	3	1	7	0	8	7
			21	85	996·2	-14·5	37·8	2·2	6·0	79	5·2	4	10	1	3	10	0	0	0	0	0	3	11	6	8	0	0	0	11	17	0	0	0	2	1	4	5	3	8	5
			h.*	85	996·3	-14·3	38·2	2·4	6·1	78																													
Aberdeen	Braemar‡	.. ..	9	1108	998·7	-	32·5	1·3	5·5	86	8·1	1	2	2	8	15	0	0	0	0	0	2	14	11	1	0	0	1	4	18	5	4	0	3	1	0	5	3	7
Perth	Crieff	.. ..	9	482	997·0	-	36·1	1·8	5·8	82	6·3	0	7	8	3	10	-	-	-	-	-	-	-	-	-	-	1	3	9	15	0	6	1	6	2	1	2	8	2
			21	482	996·7	-	35·4	1·6	5·7	83	6·1	5	4	4	2	13	-	-	-	-	-	-	-	-	-	-	2	2	5	19	0	4	2	7	2	2	2	5	4
			1	184	997·0	-	38·7	0·8	7·4	93	6·3	0	9	4	8	7	0	0	0	0	0	0	5	9	14	0	1	3	11	13	0	1	1	6	1	4	15	0	0
			7	184	997·4	-	38·0	0·9	7·1	91	6·3	0	8	6	6	8	0	0	0	0	1	0	2	7	18	0	1	2	12	13	0	1	1	5	1	1	17	1	1
Fife	Inchkeith	.. ..	13	184	997·5	-	41·3	1·3	7·7	89	7·8	0	0	7	14	7	0	0	0	0	1	0	3	4	20	0	0	9	8	11	0	2	2	4	0	3	13	3	1
			18	184	997·2	-	39·7	1·0	7·6	91	7·6	0	3	4	13	8	0	0	0	0	0	0	3	9	16	0	0	6	9	13	0	1	0	6	3	1	11	4	2
			7	36	997·0	-	35·7	1·7	6·0	83	6·0	2	7	4	8	7	0	0	0	0	1	1	7	5	7	7	0	1	7	17	3	0	1	2	2	2	4	10	4
Fife	Leuchars	H	13	36	997·2	-	42·3	3·4	6·6	72	6·8	0	7	5	9	7	0	0	0	0	0	1	7	6	2	12	0	1	13	13	1	3	0	3	1	4	5	6	5
			18	36	996·8	-	38·7	2·3	6·4	79	6·6	0	10	1	8	9	0	0	0	0	0	1	8	3	6	10	0	2	9	17	0	1	2	3	4	2	4	6	6
Mid Lothian	Edinburgh (Blackford Hill)	..	9	441	997·9	-	37·4	1·6	6·3	85	5·9	1	8	6	5	8	0	0	1	0	5	6	12	4	0	0	1	3	15	8	1	1	2	2	2	3	11	5	1
			21	441	996·9	-	37·2	1·5	6·4	85	5·9	4	7	3	3	11	0	0	0	0	4	9	12	1	2	0	0	1	10	14	3	2	0	3	3	3	6	7	1
6a SCOTLAND, W.																																							
			7	40	996·4	-	40·7	1·8	7·3	84	6·5	0	3	9	13	3	0	0	0	0	0	0	3	13	12	0	2	7	13	6	0	5	0	3	2	5	4	3	6
Argyll	Tiree	.. ..	13	40	996·9	-	42·8	2·5	7·4	79	8·0	0	0	4	2	14	8	0	0	0	0	0	0	6	5	13	4	0	12	9	7	0	4	1	2	4	5	2	3	7
			18	40	996·3	-	40·9	1·8	7·3	84	8·1	0	2	4	10	12	0	0	0	0	0	2	4	6	13	3	1	10	10	7	0	3	0	4	2	7	2	3	7
			9	187	997·7	-	39·3	1·4	7·1	87	6·6	0	6	7	8	7	0	0	0	0	2	3	6	6	11	0	0	4	14	9	1	4	1	4	3	3	2	2	8
Bute	Rothesay	.. ..	21	187	996·7	-	39·7	2·0	6·9	82	7·7	0	4	3	8	13	0	0	0	0	0	6	4	10	8	0	3	3	14	7	1	3	0	4	6	3	3	1	7
			7	24	998·0	-	36·9	1·3	6·5	87	6·8	1	5	5	7	10	0	0	0	1	2	5	8	7	5	0	0	0	10	15	3	3	3	3	0	3	5	6	2
Renfrew	Renfrew (Abbotsinch)	.. ..	13	24	998·3	-	42·6	2·8	6·9	76	7·6	0	3	5	10	10	0	0	1	0	1	5	3	5	7	6	0	1	17	10	0	2	4	3	1	2	4	7	5
			18	24	997·7	-	39·0	2·0	6·6	81	7·0	0	3	9	6	10	0	0	0	0	2	7	2	6	10	1	0	1	8	16	3	1	1	5	2	1	5	7	3
			7	778	998·1	-	33·8	1·0	5·9	90	6·4	0	8	5	3	12	0	1	2	1	1	3	6	1	10	3	0	6	8	12	2	4	4	1	2	2	3	4	6
			13	778	997·9	-	39·0	2·2	6·5	80	7·4	0	5	5	7	11	0	0	2	0	2	0	8	6	8	2	0	6	13	9	0	4	1	2	2	5	5	5	4
Dumfries	Eskdalemuir‡‡	H	18	778	997·9	-	35·6	1·6	5·9	84	6·7	0	7	4	6	11	0	0	1	0	0	3	9	7	7	1	0	4	13	9	2	2	2	2	3	3	3	6	5
			21	778	997·8	-	35·1	1·1	6·1	89	6·3	1	8	4	3	12	0	0	1	0	2	3	8	7	7	0	0	4	11	11	2	3	2	1	2	5	4	5	4
			h.*	778	997·9	-	35·8	1·5	6·2	87																													
6b ISLE OF MAN																																							
Isle of Man	Douglas	H ..	9	286	998·8	-14·5	40·8	1·2	7·7	88	6·9	0	2	10	14	2	0	0	0	0	0	3	18	1	6	0	0	9	13	6	0	2	1	3	1	3	3	9	6
			7	31	998·5	-	41·1	0·6	8·3	94	6·9	0	8	3	5	12	0	0	0	0	0	0	0	9	19	0	1	11	6	9	1	3	0	2	2	2	4	5	9
Isle of Man	Point of Ayre	..	13	31	998·8	-	44·5	1·2	9·0	90	7·7	0	3	7	6	12	0	0	0	0	0	0	2	0	8	18	0	2	8	12	5	1	7	0	1	3	4	2	6	4
			18	31	998·4	-	42·1	0·8	8·5	93	7·6	0	3	6	6	13	0	0	0	0	1	0	2	8	17	0	0	12	11	4	1	5	0	1	3	3	2	6	7
2 ENGLAND, N.E.																																							
Northumberland	Cockle Park	..	9	331	998·5	-	37·2	1·6	6·4	85	5·8	0	10	5	7	6	0	0	1	0	0	3	6	2	9	7	1	3	7	14	3	1	1	0	2	1	6	8	6
			21	331	997·8	-	36·8	1·5	6·4	87	5·0	6	6	6	1	9	0	0	2	2	0	0	6	2	9	7	0	6	6	14	2	3	0	1	4	1	4	7	6
			1	122	997·3	-	39·3	1·6	7·0	86	5·7	4	8	4	1	11	0	0	0	0	1	1	1	8	15	2	0	0	0	8	20	0	1	0	1	1	4	5	13	3
			7	122	997·6	-14·4	38·2	1·5	6·8	87	6·6	0	7	6	7	8	0	0	0	0	1	1	0	12	13	1	0	1	3	3	21	0	1	0	0	3	4	5	13	2
Northumberland	Tynemouth	..	13	122	998·2	-	42·2	3·0	6·9	78	7·7	0	2	7	9	10	0	1	0	2	0	3	9	10	3	0	1	2	8	17	0	4	1	0	4	1	5	8	5
			18	122	997·5	-	41·4	2·6	6·7	77	7·2	0	3	12	3	10	0	0	0	0	1	4	13	8	2	0	1	2	6	19	0	3	1	1	4	3	3	10	3

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 956·9 mb. ‡‡ Mean pressures at Station Level are 969·1 mb. at 7 h., 969·3mb. at 13 h., 969·1 mb. at 18 h., and 968·9 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 FEBRUARY, 1937

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							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
												0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Durham	Durham		9	352	998·8	-	38·1	1·7	7·0	90	5·2	7	6	1	4	10	0	1	1	1	3	1	10	6	5	0	1	0	3	22	2	3	0	1	1	9	1	10	1
			21	352	998·6	-	37·8	1·4	7·0	92	5·0	6	8	2	1	11	0	0	0	0	4	2	8	13	1	0	0	1	2	23	2	1	0	4	0	6	3	8	4
Yorks., N. Riding	Catterick ..	H	7	186	998·4	-	37·8	1·5	6·7	86	6·6	0	8	3	8	9	0	0	2	0	2	0	5	8	10	1	0	1	6	19	2	1	1	1	2	6	4	5	6
			13	186	998·7	-	42·9	3·1	7·1	75	7·4	0	5	3	13	7	0	0	0	1	1	3	4	6	12	1	0	2	8	16	2	2	0	0	3	7	4	6	3
			18	186	998·5	-	40·4	2·3	6·9	80	7·4	0	2	8	8	10	0	0	0	1	3	2	3	8	11	0	0	0	7	19	2	1	0	1	3	4	2	8	7
Yorks., N. Riding	Scarborough ..		9	96	998·9	-	40·9	2·1	7·1	82	5·8	0	12	3	9	4	0	0	2	3	2	3	10	7	1	0	0	1	2	25	0	0	1	1	2	3	6	7	6
			9	53	999·9	-	39·5	1·6	7·0	85	6·3	5	4	4	2	13	-	-	-	-	-	-	-	-	-	-	0	0	0	28	0	2	1	1	1	12	0	7	4
	York		21	53	999·7	-	39·9	1·5	7·7	92	6·0	6	4	1	7	10	-	-	-	-	-	-	-	-	-	-	0	0	0	28	0	1	1	2	0	10	0	12	2
Yorks., E. Riding	Spurn Head ..		1	28	999·2	-	39·8	1·2	7·4	88	6·1	4	6	4	3	11	0	0	0	0	1	0	8	18	1	0	0	7	17	4	0	0	0	2	1	4	10	6	5
			7	28	999·0	-14·3	39·5	1·0	7·4	90	6·8	2	4	4	5	13	0	0	0	1	1	0	5	16	5	0	0	7	14	7	0	0	0	1	3	5	7	8	4
			13	28	999·2	-	42·8	2·0	7·7	82	7·7	0	1	8	8	11	0	1	1	0	5	1	4	12	4	0	2	5	16	5	0	0	1	1	3	4	7	4	8
			18	28	998·9	-	41·9	1·5	7·8	87	8·5	0	2	3	8	15	1	1	0	0	3	2	8	9	4	0	2	4	15	6	1	1	0	1	4	4	6	6	6
Lincoln	†Cranwell ..	H	7	208	1000·5	-	37·8	0·8	7·3	92	7·3	1	3	4	10	10	0	2	0	1	2	2	7	9	5	0	0	0	12	14	2	0	0	1	3	5	8	8	1
			13	208	1000·5	-	43·9	2·7	7·7	79	7·9	0	2	6	7	13	0	0	0	1	1	5	9	8	4	0	0	1	19	7	1	2	1	1	3	4	7	5	4
			18	208	1000·3	-	41·8	1·6	7·9	86	8·0	0	5	2	6	15	0	1	0	0	2	1	11	10	3	0	0	2	14	10	2	1	0	2	1	5	5	10	2
3 ENGLAND, E.																																						
Norfolk	Cromer ..	H	9	74	1000·6	-	41·3	1·2	8·0	89	7·0	1	1	11	9	6	0	0	0	1	1	2	21	3	0	0	0	1	13	14	0	1	0	0	5	9	2	6	5
			1	26	1001·9	-	40·2	1·0	7·6	91	6·5	6	2	3	4	13	0	0	0	0	0	1	14	12	1	0	0	4	12	12	0	0	0	2	1	4	13	8	0
Norfolk	Yarmouth.. ..		7	26	1001·5	-12·9	39·6	1·2	7·5	89	7·0	2	6	2	7	11	0	0	1	0	0	3	14	10	0	0	0	1	16	11	0	0	0	2	2	9	7	7	1
			13	26	1001·3	-	44·7	2·5	8·1	80	7·7	1	2	7	7	11	0	0	0	0	0	3	21	4	0	0	0	3	18	7	0	0	0	1	6	7	4	5	5
			18	26	1000·9	-	43·2	2·0	7·8	83	7·3	0	4	6	8	10	0	0	0	1	0	4	22	1	0	0	0	3	11	14	0	0	0	3	4	10	2	7	2
Suffolk	Felixstowe Aero.		7	20	1002·4	-	40·8	1·5	7·6	87	7·6	0	4	4	8	12	0	1	0	0	1	3	9	11	3	0	0	2	12	12	2	0	0	2	2	9	4	9	0
			13	20	1001·8	-	44·9	2·8	7·8	77	8·5	0	1	4	11	12	0	0	0	0	3	1	9	11	4	0	0	1	18	9	0	0	0	1	4	9	3	8	3
			18	20	1001·9	-	43·5	2·4	7·5	80	7·8	0	6	1	10	11	0	0	0	0	1	3	10	13	1	0	0	2	10	15	1	0	0	2	0	8	6	8	3
Suffolk	Mildenhall ..		7	21	1001·2	-	39·5	1·0	7·6	91	6·7	3	5	3	8	9	0	0	0	1	3	3	4	5	12	0	0	2	13	12	1	1	0	1	3	7	6	8	1
			13	21	1001·0	-	45·8	2·9	7·7	82	8·4	0	3	3	11	11	0	0	0	0	0	6	6	4	12	0	0	3	19	6	0	1	1	0	3	4	7	4	8
			18	21	1001·1	-	43·3	2·1	8·0	83	7·1	0	6	4	7	11	0	0	0	0	1	7	8	6	6	0	0	2	13	13	0	1	0	1	1	6	8	7	4
Cambridge	Cambridge	H	9	43	1001·6	-13·9	41·4	1·5	7·9	87	7·1	3	3	4	2	16	-	-	-	-	-	-	-	-	-	-	0	0	9	18	1	0	0	1	3	3	10	4	6
			21	43	1002·2	-13·2	40·7	1·8	7·5	85	5·8	10	1	1	2	14	-	-	-	-	-	-	-	-	-	-	0	1	7	18	2	1	0	0	2	1	14	7	1
Hertford	Rothamsted ..		9	396	1001·4	-	41·1	1·2	7·8	89	6·7	1	5	5	10	7	0	1	0	1	1	12	13	0	0	0	0	1	4	22	1	0	0	3	1	9	3	9	2
Essex	Shoeburyness	H	7	12	1002·8	-	41·1	1·2	8·0	89	6·5	2	6	5	2	13	0	0	0	1	2	1	10	6	8	0	0	1	9	18	0	1	0	0	3	7	8	9	0
			13	12	1002·2	-	46·3	2·7	8·5	79	8·1	0	2	3	14	9	0	0	0	0	4	2	2	15	5	0	0	0	17	11	0	0	0	0	3	4	9	6	7
			18	12	1002·3	-	44·0	2·1	8·2	82	7·4	0	6	2	9	11	0	0	0	0	4	3	8	11	2	0	0	2	10	15	1	0	0	1	1	3	11	8	3
4 MIDLAND COUNTIES																																						
Yorks., W. Riding	Harrogate.. ..		9	478	999·6	-	37·9	1·4	6·8	87	6·4	1	9	1	6	11	0	0	3	4	2	5	2	1	6	5	0	0	4	23	1	0	1	1	3	5	8	8	1
Nottingham	Nottingham ..		9	215	1000·1	-	40·3	1·8	7·1	83	7·9	0	2	6	7	13	0	1	2	3	7	3	12	0	0	0	0	0	0	28	0	2	1	3	0	1	7	12	2
Warwick	Birmingham	H	7	542	1001·2	-	39·3	1·3	7·3	88	7·5	1	4	3	8	12	0	0	0	3	1	5	7	6	6	0	0	0	9	19	0	2	1	1	2	6	5	8	3
			13	542	1000·9	-	42·9	2·4	7·7	80	8·4	0	1	2	13	12	0	0	1	2	5	2	15	2	1	0	0	0	17	11	0	2	1	1	2	3	9	2	8
			18	542	1001·6	-	41·8	2·3	7·3	80	7·3	0	6	3	10	9	0	0	0	0	2	5	13	1	7	0	0	1	15	12	0	1	0	1	1	5	7	6	7
Oxford	Oxford		9	212	1002·2	-14·0	42·4	1·7	7·8	85	7·3	0	7	1	7	13	0	1	0	1	3	0	11	4	8	0	0	0	14	14	0	2	0	1	3	5	7	8	2
Shropshire	Shrewsbury	H	9	186	1001·3	-	41·6	1·9	7·5	84	7·9	0	3	6	5	14	0	0	0	0	1	1	8	1	17	0	1	0	12	12	3	1	0	2	2	5	3	11	1
Hereford	Ross-on-Wye	H	7	226	1001·4	-	41·4	1·7	7·6	85	7·7	0	5	1	12	10	0	0	0	0	1	0	7	10	10	0	0	0	8	20	0	1	1	2	1	3	10	9	1
			13	226	1001·1	-	46·0	3·3	8·0	75	8·3	0	2	5	7	14	0	0	0	0	2	1	3	7	14	1	0	1	17	10	0	1	0	1	1	3	9	7	6
			18	226	1002·1	-	43·5	2·9	7·5	76	7·0	0	6	4	12	6	0	0	0	0	0	1	5	7	15	0	0	2	10	16	0	3	1	1	1	2	10	8	2
			21	226	1002·7	-	42·2	2·2	7·5	81	6·8	0	8	3	5	12	0	0	0	0	1	3	6	5	13	0	0	0	12	16	0	0	2	1	1	3	10	10	1
Gloucester	Cheltenham	H	9	230	1002·3	-	42·8	1·9	7·9	84	8·1	1	1	5	7	14	0	0	0	1	1	6	4	14	2	0	0	0	0	26	2	2	0	1	1	2	6	9	5
			21	230	1003·3	-	41·8	1·7	7·7	85	7·1	1	2	7	7	11	0	0	0	0	2	1	8	14	3	0	0	0	2	26	0	0	0	0	0	2	10	8	8
5 ENGLAND, S.E.																																						
London	*g* Greenwich	H	9	152	1002·8	-13·5	43·2	1·7	8·3	85	7·3	1	7	1	4	15	0	0	0	2	9	9	8	0	0	0	0	0	15	13	0	2	0	0	3	4	10	9	0
			15	152	1001·6	-13·9	46·4	3·4	8·1	74	8·5	0	3	2	9	14	0	0	0	0	4	11	13	0	0	0	0	0	22	6	0	3	0	0	2	3	9	6	5
			21	152	1003·2	-13·0	42·1	2·1	7·6	81	6·5	6	3	2	3	14	0	0	0	2	1	3	21	1	0	0	0	0	18	10	0	1	0	1	2	2	11	7	4
			h.*	152	1002·7	-13·3	43·2																															
London	Kew Obs'y.	H	7	34	1002·7	-13·2	41·6	1·2	8·0	89	7·6	0	5	1	11	11	0	0	0	1	1	3	14	6	3	0	0	0	5	23	0	0	1	3	1	5	11	7	0
			13	34	1002·1	-13·8	46·5	3·2	8·2	76	8·7	0	1	3	11	13	0	0	0	0	2	6	11	5	4	0	0	1	18	9	0	1	0	1	1	4	9	6	6
			18	34	1002·7	-13·2	45·0	2·9	7·9	77	8·2	1	3	1	9	14	0	0	0	0	2	7	18	1	0	0	0	0	10	17	1	1	0	2	0	3	11	7	3
			21	34	1003·4	-12·8	42·8	2·1	7·6	81	7·1	2	4	2	11	9	0	0	0	0	3	3	9	10	3	0	0	0	8	20	0	1	0	2	1	3	12	7	2
			h.*	34	1002·8	-13·2	43·6	2·3	8·1	82																													
London	Kensington ..		9	66	1002·7	-	43·1	1·7	8·1	85	7·9	1	3	3	5	16	0	0	0	3	10	9	6	0	0	0	0	0	0	28	0	0	1	0	4	1	11	7	4
			15	—	-	-	46·8	3·5	8·0	74	8·3	0	2	3	11	12	-	-	-	-	-	-	-	-	-	-	0	0	2	26	0	1	1	0	2	1	12	2	9
			18	—	-	-	45·7	3·2	7·8	75	7·7	1	3	3	6	15	-	-	-	-	-	-	-	-	-	-	0	0	2	26	0	3	0	0	2	1	8	7	7
Surrey	Croydon ..	H	1	225	1003·5	-	42·1	1·5	8·1	87	6·4	5	4	1	9	9	0	0	0	0	1	4	3	12	8	0	0	1	14	13	0	0	0	1	1	7	9	9	1
			7	225	1002·3	-	41·8	1·1	8·3	91	7·8	0	4	3	10	11	0	0	0	0	3	2	8	6	9	0	0	0	15	13	0	0	1	1	3	4	13	6	0
			13	225	1001·9	-	46·7	3·0	8·5	77	9·0	0	0	2	14	12	0	0	0	3	0	2	19	4	0	0	0	1	19	8	0	1	0	1	1	4	9	5	7
			18	225	1002·5	-	44·5	2·4	8·2	80	7·9	1	2	3	11	11	0	0	0	1	3	7	15	2	0	0	0	1	16	10	1	1	0	1	1	4	9	7	4
Surrey	Wisley		9	85	1002·5	-	43·4	1·8	8·1	84	7·6	0	6	3	3	16	0	0	1	0	0	3	17	7	0	0	0	0	5	22	1	1	0	0	3	0	17	4	2

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	NO. OF OBSERVATIONS: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: NUMBER OF OBSERVATIONS: FOG: 0	1	2	3	MIST: 4	POOR VIS.: 5	MOD. VIS.: 6	GOOD VISIBILITY: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		G.M.T.	ft	mb	mb	°F	°F	mb	%																														
5 ENGLAND, S.E.—*cont.*																																						
Kent	Biggin Hill H	7	572	1003·1	-	40·7	1·2	7·9	89	7·8	1	4	2	6	15	0	0	1	0	2	3	2	7	13	0	0	3	10	15	0	0	1	1	2	6	9	9	0
		13	572	1002·2	-	44·7	2·6	8·0	79	8·5	0	2	3	11	12	0	0	1	2	1	3	10	10	1	0	0	0	17	11	0	1	0	1	1	5	9	7	4
		18	572	1002·9	-	43·1	2·5	7·6	79	7·9	1	2	3	11	11	0	0	0	1	3	3	10	11	0	0	0	0	19	8	1	1	0	2	0	4	12	6	2
Kent	Dungeness ..	7	—	-	-	42·8	1·3	8·3	88	6·6	1	6	4	10	7	0	1	0	0	1	2	11	13	0	0	0	3	14	11	0	0	0	0	2	3	12	6	4
		13	—	-	-	46·7	1·9	9·2	85	8·0	1	2	3	14	8	0	0	0	1	3	2	12	10	0	0	0	3	15	10	0	1	0	0	1	3	11	7	5
		18	—	-	-	44·5	1·6	8·7	84	7·4	1	3	4	12	8	1	0	0	0	1	4	15	7	0	0	0	4	15	9	0	2	1	0	1	0	14	5	5
Kent	Lympne .. H	1	345	1004·7	-	40·4	1·4	7·6	88	6·7	5	3	3	4	13	0	1	0	2	0	0	12	7	6	0	0	1	10	17	0	0	1	0	1	3	7	11	5
		7	345	1004·0	-	40·2	1·1	7·8	90	6·9	0	8	3	5	12	0	1	5	1	0	3	7	2	7	2	0	0	12	16	0	0	0	0	3	4	10	9	2
		13	345	1003·3	-	44·9	2·5	8·2	81	8·2	0	2	4	8	14	1	1	1	1	1	0	9	6	7	1	0	2	21	5	0	2	0	0	2	4	10	5	5
		18	345	1003·5	-	42·3	1·8	7·9	84	7·5	1	5	1	10	11	0	3	0	1	0	3	10	9	2	0	0	2	12	14	0	2	0	1	1	1	11	8	4
Kent	Manston	1	141	1003·8	-	41·7	1·6	7·9	85	5·7	6	6	1	4	11	0	0	0	1	0	1	7	9	10	0	0	2	12	14	0	0	0	0	2	3	14	6	3
		7	141	1003·0	-	41·2	1·5	7·8	86	7·4	1	5	2	7	13	0	0	1	1	1	1	8	9	7	0	0	1	12	15	0	0	1	0	3	5	10	8	1
		13	141	1002·4	-	45·6	2·8	8·3	79	7·8	1	2	4	11	10	0	0	0	0	1	3	0	7	11	6	0	0	2	21	4	1	1	0	0	3	6	7	7	3
		18	141	1002·5	-	43·9	2·5	7·9	79	7·5	1	4	4	9	10	0	0	0	0	1	4	9	10	4	0	0	3	14	10	1	1	1	1	1	3	11	5	4
Kent	Tunbridge Wells ..	9	407	1003·7	-	42·4	0·8	8·5	92	7·6	1	4	2	7	14	0	0	0	1	4	4	7	11	1	0	0	1	4	23	0	1	0	0	3	0	12	7	5
Sussex	Brighton .. H	9	48	1003·7	-	44·3	1·6	8·7	87	7·5	3	2	4	3	16	0	0	1	3	3	4	13	0	4	0	0	4	6	18	0	1	0	0	0	0	13	6	8
Sussex	Hastings .. H	9	154	1003·2	-	43·8	1·6	8·5	87	7·3	3	3	4	6	12	0	0	0	0	5	5	15	3	0	0	0	0	7	20	1	0	0	0	3	0	14	2	8
		21	154	1003·8	-	43·0	1·9	7·9	83	5·9	10	1	1	3	13	0	0	0	1	2	8	13	4	0	0	0	3	2	23	0	0	2	0	0	0	13	0	13
Hampshire	Calshot	7	15	1003·5	-	43·3	0·9	8·8	93	7·4	0	6	2	7	13	0	0	1	1	0	0	8	12	6	0	0	4	7	15	2	0	0	0	2	4	12	8	0
		13	15	1003·3	-	47·2	2·5	9·0	81	8·3	0	2	3	11	12	0	0	0	0	0	2	9	11	6	0	0	6	17	4	1	0	0	2	1	5	7	6	6
		18	15	1003·8	-	45·0	1·8	8·7	86	7·6	1	3	5	6	13	0	0	0	0	0	2	8	14	4	0	1	1	13	13	0	0	1	0	0	4	10	9	4
Hampshire	Southampton ..	9	84	1003·4	-13·1	44·7	1·7	8·7	85	8·0	0	1	8	5	14	0	0	1	3	5	4	13	2	0	0	1	4	7	16	0	0	1	0	3	1	15	0	8
		21	84	1004·5	-11·9	43·9	2·1	8·8	90	5·3	10	0	5	4	9	0	0	0	4	7	13	4	0	0	0	1	5	4	18	0	0	0	0	1	0	12	6	9
Hampshire	S. Farnborough H	7	256	1002·6	-	41·4	1·0	8·2	90	7·7	0	5	3	8	12	0	0	0	0	2	3	10	8	4	1	0	0	8	20	0	0	1	1	3	2	10	10	1
		13	256	1002·2	-	46·9	3·1	8·4	76	8·7	0	0	5	12	11	0	0	0	0	0	2	8	8	10	0	0	0	15	13	0	1	0	1	1	5	9	5	6
		18	256	1002·9	-	43·9	2·4	8·0	80	7·8	1	3	2	10	12	0	0	1	1	0	7	7	6	6	0	0	1	7	20	0	0	0	2	0	6	4	10	6
I. of Wight	Ventnor (Hosp.)	9	80	1003·7	-	45·9	1·5	9·3	87	7·8	0	4	4	6	14	-	-	-	-	-	-	-	-	-	-	0	0	7	21	0	1	0	1	1	0	4	15	6
		15	80	1003·0	-	47·2	2·5	9·0	81	7·7	1	2	6	5	14	-	-	-	-	-	-	-	-	-	-	0	2	11	15	0	2	0	1	0	1	2	15	7
Wiltshire	Amesbury H	7	420	1002·8	-	41·3	0·8	8·4	93	8·0	0	3	4	7	14	0	0	0	2	2	2	3	16	3	0	0	1	12	15	0	0	0	1	1	8	6	10	2
	(Boscombe Down)	13	420	1002·5	-	45·7	2·4	8·5	81	8·5	0	1	3	13	11	0	0	0	0	1	0	9	9	9	0	0	3	18	7	0	2	0	0	2	5	7	6	6
		18	420	1003·2	-	43·0	1·7	8·3	85	7·5	0	5	3	7	13	0	0	0	1	0	0	6	18	3	0	1	1	14	12	0	1	0	1	2	5	3	10	6
Wiltshire	Larkhill .. H	9	444	1003·0	-	42·2	1·1	8·4	90	7·8	1	2	6	6	13	0	0	1	1	0	0	9	13	4	0	0	2	16	10	0	2	0	0	2	3	10	8	3
		13	444	1002·9	-	45·5	2·7	8·3	79	8·6	0	1	4	8	15	0	0	0	0	0	0	5	11	12	0	1	8	17	2	0	2	0	1	1	4	9	8	3
		15	444	1002·7	-	45·3	3·0	8·0	77	8·0	0	1	8	5	14	0	0	0	0	0	1	3	10	14	0	1	3	19	5	0	1	0	2	0	3	8	9	5
7a ENGLAND, N.W.																																						
Lancashire	Hutton	9	86	1001·5	-	40·5	1·0	7·8	91	8·2	0	0	1	22	5	-	-	-	-	-	-	-	-	-	-	0	1	1	26	0	1	2	1	13	2	3	2	4
Lancashire	Manchester H	7	83	999·6	-	39·5	1·2	7·5	89	8·5	1	1	3	8	15	0	1	0	1	3	7	10	5	1	0	0	2	12	13	1	1	0	4	1	6	5	7	3
	(Barton)	13	83	999·7	-	44·0	2·4	7·9	80	9·0	0	1	2	11	14	0	0	0	2	5	3	6	8	4	0	0	4	14	10	0	1	1	2	3	7	3	7	4
		18	83	999·8	-	41·8	1·9	7·7	84	8·0	0	2	6	6	14	0	0	0	0	3	9	11	4	1	0	0	2	16	10	0	0	0	2	2	4	4	10	6
Lancashire	Manchester (Whitworth Pk.)	9	127	1000·2	-	41·1	1·5	7·6	86	8·4	0	1	5	9	13	-	-	-	-	-	-	-	-	-	-	0	0	4	24	0	2	1	3	2	7	3	3	7
		21	127	999·8	-	41·4	1·6	7·6	86	7·2	1	6	2	7	12	-	-	-	-	-	-	-	-	-	-	0	0	3	25	0	0	1	2	1	7	5	7	5
Lancashire	Southport* H	9	37	1000·0	-14·3	41·3	1·9	7·5	84	8·0	0	5	1	8	14	0	0	2	0	4	9	2	2	9	0	2	6	9	10	1	1	0	2	5	5	1	4	9
	(Bedford Rd. Park)	15	37	999·1	-	44·4	2·7	7·9	79	7·5	0	7	0	7	14	0	0	0	0	3	8	3	1	13	0	0	6	18	4	0	3	0	0	5	4	2	8	6
		21	37	999·9	-14·4	41·6	1·8	7·6	84	7·5	1	5	2	7	13	0	0	0	0	2	10	3	10	3	0	0	10	10	7	1	0	0	1	3	4	5	6	8
Lancashire	Stonyhurst ..	9	381	999·9	-	39·0	1·4	7·0	87	7·7	1	3	3	7	14	0	2	1	2	1	3	12	4	3	0	0	1	12	15	0	3	2	1	0	2	7	8	5
		21	381	999·8	-	39·3	1·5	7·0	86	7·3	5	2	0	5	16	0	0	1	0	0	0	7	20	0	0	0	1	12	15	0	1	0	2	1	1	7	10	6
Cheshire	Bidston Obs'y. ..	9	202	1000·3	-	41·2	1·8	7·3	83	8·2	0	0	8	7	13	0	0	2	2	4	5	7	6	2	0	0	6	12	9	1	2	0	2	6	3	2	5	7
7b NORTH WALES.																																						
Flint	Sealand .. H	7	19	999·8	-	40·6	1·4	7·4	85	8·4	0	1	3	14	10	0	0	0	0	4	4	5	12	3	0	1	2	8	16	1	0	0	4	6	2	4	9	2
		13	19	999·9	-	45·5	3·3	7·8	75	8·7	0	0	5	7	16	0	0	0	0	2	4	7	8	7	0	0	6	11	11	0	0	0	5	3	2	4	10	4
		18	19	1000·2	-	42·8	2·3	7·6	80	7·4	0	6	3	7	12	0	0	0	1	0	6	11	7	3	0	1	4	9	13	1	0	0	2	4	2	5	10	4
Anglesey	Holyhead .. H	1	29	1000·0	-	43·9	1·7	8·5	86	7·1	1	5	6	5	11	0	0	0	0	2	0	2	8	16	0	2	8	10	8	0	0	0	2	2	1	8	7	8
		7	29	999·2	-14·0	43·2	1·6	8·3	87	8·1	0	2	4	10	12	0	0	0	0	0	0	3	9	16	0	2	5	14	6	1	2	0	1	3	2	6	6	7
		13	29	999·3	-	45·1	2·0	8·6	84	8·0	0	2	5	6	15	0	0	0	0	1	1	2	9	14	1	2	6	17	3	0	2	0	2	3	4	4	6	7
		18	29	999·7	-	43·9	2·1	8·2	83	8·1	0	2	6	7	13	0	0	0	1	0	2	1	13	10	1	1	11	10	6	0	2	0	1	1	5	4	9	6
Carnarvon	Llandudno ..	9	33	1000·5	-	43·4	2·3	7·7	81	8·5	0	0	3	19	6	0	0	0	1	0	1	1	9	16	0	0	1	2	25	0	1	1	2	2	4	6	9	3
8a SOUTH WALES.																																						
Cardigan	Ciliau Aeron ..	9	256	1001·4	-	43·3	1·4	8·4	88	8·6	0	3	1	6	18	0	0	0	0	2	8	18	0	0	0	1	7	15	5	0	1	1	1	2	5	8	1	9
Pembroke	St. Ann's Head ..	1	152	1001·8	-	45·2	1·6	8·8	87	6·6	1	6	7	5	9	0	2	1	0	0	2	4	17	2	0	5	9	9	5	0	2	0	0	2	2	6	8	8
		7	152	1000·6	-9·4	44·9	1·4	9·0	89	8·1	0	3	1	20	4	0	1	0	1	0	2	3	17	4	0	3	8	10	7	0	2	1	0	3	4	6	6	6
		13	152	1000·9	-	46·0	2·3	8·8	83	8·3	0	0	6	12	10	0	2	0	0	0	2	7	12	5	0	8	9	7	4	0	4	0	0	1	3	4	9	7
		18	152	1001·8	-	45·3	1·8	8·7	85	8·3	0	0	4	18	6	0	2	0	0	1	2	4	17	2	0	6	8	8	6	0	3	0	0	1	3	5	9	7

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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 FEBRUARY, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility: 7	8	9	WIND, Number of Observations: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
8a SOUTH WALES—*cont.*																																					
Radnor Llandrindod Wells	9	725	1001·3	–	41·2	1·6	7·6	87	8·9	0	1	1	4	22	0	1	0	0	4	5	10	8	0	0	1	1	12	14	0	7	0	1	2	1	0	11	6
Rhayader	9	—	–	–	40·2	1·6	7·3	86	8·6	0	0	4	8	16	0	1	0	0	2	4	8	5	8	0	1	2	5	20	0	1	0	4	3	1	7	8	4
Glamorgan Cardiff	9	203	1002·6	–	42·8	1·3	8·3	89	7·9	1	4	1	7	15	0	0	0	2	4	3	11	7	1	0	1	0	8	19	0	0	2	1	2	2	9	9	3
	21	203	1003·8	–	42·2	1·6	7·9	86	4·5	12	3	2	0	11	0	0	0	1	0	0	19	0	8	0	0	0	7	21	0	0	1	2	2	1	9	11	2
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1002·3	–	44·6	1·9	8·5	85	7·7	2	4	1	6	15	0	0	0	3	1	10	12	2	0	0	0	0	3	25	0	1	1	1	1	3	5	11	5
Dorset Holton Heath H	9	58	1003·4	–	45·4	1·6	9·1	87	7·5	1	4	4	4	15	0	0	0	0	1	4	6	3	2	0	0	3	13	12	0	2	0	0	1	1	7	8	9
	15	58	1002·9	–	48·1	3·0	9·0	77	7·1	0	7	3	4	14	0	0	0	0	1	4	18	3	2	0	1	7	13	7	0	6	1	0	0	0	6	8	7
	1	37	1003·7	–	46·5	1·4	9·6	89	7·6	2	3	3	4	16	0	0	1	0	0	0	4	7	16	0	0	5	15	8	0	1	0	0	0	4	5	10	8
	7	37	1002·4	-12·0	46·3	1·3	9·5	90	8·3	0	3	1	9	15	0	0	0	0	0	0	2	16	10	0	0	2	15	11	0	0	0	0	2	1	6	10	9
Dorset Portland Bill ..	13	37	1002·7	–	47·7	1·8	9·9	86	8·6	0	1	4	7	16	0	0	0	0	0	0	3	16	9	0	0	6	14	8	0	1	0	0	0	3	9	7	8
	18	37	1003·7	–	46·4	1·9	9·1	85	8·4	0	1	4	8	15	0	0	0	1	0	0	3	16	8	0	0	5	15	8	0	2	0	0	0	2	6	9	9
	9	801	1003·4	–	42·9	1·4	8·4	88	8·4	0	3	2	10	13	0	2	0	0	0	1	5	5	14	1	1	1	12	14	0	2	0	0	2	2	6	6	10
Devon Moretonhampstead	15	801	1003·5	–	44·4	2·4	8·2	80	8·4	0	0	6	9	13	0	0	0	0	0	2	6	6	13	1	0	6	13	9	0	4	0	0	0	2	4	9	6
	7	27	1003·7	–	45·4	1·0	9·6	91	8·4	0	1	4	10	13	0	0	0	0	0	0	11	3	14	0	1	5	5	14	3	0	0	4	0	2	7	6	6
Devon Plymouth H	13	27	1004·1	–	48·3	2·7	9·3	80	8·7	0	1	3	11	13	0	0	0	1	0	0	0	9	5	12	1	1	7	12	8	0	2	0	0	0	4	7	8	7
(Mount Batten) ..	18	27	1005·0	–	46·8	2·3	9·1	81	7·7	0	2	8	6	12	0	0	0	0	0	3	16	3	6	0	0	7	10	11	0	2	0	0	0	5	5	9	7
	1	240	1005·1	–	46·5	1·3	9·9	90	7·0	1	5	5	6	11	1	1	0	0	1	1	3	8	13	0	0	8	13	7	0	0	0	0	2	3	11	7	5
Cornwall The Lizard ..	7	240	1003·8	–	46·6	1·2	9·9	91	9·0	0	0	3	7	18	0	0	1	1	2	0	5	9	10	0	1	10	11	6	0	1	0	0	1	6	6	10	4
	13	240	1004·6	–	47·8	2·0	9·7	85	8·1	0	1	5	10	12	0	1	2	1	0	3	2	8	11	0	2	8	12	6	0	1	0	0	0	7	7	9	4
	18	240	1005·4	–	46·5	1·8	9·5	86	8·2	0	1	4	9	14	0	1	2	0	0	3	3	5	14	0	1	9	14	4	0	0	0	0	2	5	8	7	6
Cornwall Newquay ..	9	161	1003·6	–	47·1	1·3	9·9	90	8·3	0	2	3	8	15	0	0	1	0	4	4	4	10	3	2	1	5	11	11	0	3	3	0	0	2	11	2	7
9 IRELAND, N.																																					
	9	127	1000·3	–	40·2	1·3	7·4	88	7·2	0	8	2	3	15	0	0	0	0	0	0	8	7	13	0	0	0	6	19	3	2	1	0	2	7	1	5	7
Sligo Markree Castle ..	21	127	999·6	–	41·4	0·9	8·1	92	7·3	1	3	7	6	11	0	0	0	0	0	0	6	10	12	0	1	0	7	17	3	2	1	1	1	4	4	8	4
	1	28	999·0	–	43·6	2·3	8·0	81	8·1	0	2	7	5	14	0	0	0	0	0	0	1	16	11	0	1	6	8	11	2	1	2	0	1	5	2	8	7
	7	28	999·3	–	42·9	1·5	8·2	87	8·5	0	1	4	10	13	0	0	0	0	0	0	1	8	19	0	3	2	12	6	5	1	1	1	2	6	1	6	5
Mayo Blacksod Point ..	13	28	999·9	–	45·5	2·5	8·1	80	8·4	0	0	7	8	13	0	0	0	0	0	0	1	9	15	3	4	3	16	5	0	2	0	2	3	2	3	10	6
	18	28	1000·0	–	44·4	2·4	7·9	80	8·0	0	3	3	12	10	0	0	0	0	0	0	1	14	11	2	5	7	9	7	0	3	2	0	1	4	4	10	4
	1	87	997·4	–	41·7	0·6	8·5	95	7·2	0	2	9	15	2	0	0	0	0	0	0	1	27	0	0	0	4	13	11	0	3	2	2	1	5	5	7	3
Donegal Malin Head ..	7	87	997·5	-12·2	41·2	0·5	8·3	95	7·7	0	3	2	17	6	0	0	0	0	0	0	7	19	2	0	0	5	15	8	0	6	0	1	1	7	6	2	5
	13	87	997·6	–	43·1	0·7	8·8	94	7·8	0	2	5	15	6	0	0	0	0	0	0	4	22	2	0	0	8	12	8	0	3	0	4	1	4	5	5	6
	18	87	997·1	–	42·6	0·5	9·0	96	7·6	0	4	4	16	4	0	0	0	0	0	0	7	19	2	0	0	7	13	8	0	3	0	4	1	4	5	5	6
	7	245	998·7	–	37·8	0·7	7·3	94	7·1	0	5	5	8	10	0	0	0	0	1	1	4	16	6	0	0	1	8	19	0	2	2	1	4	4	7	5	3
Antrim Aldergrove H	13	245	998·7	–	42·6	1·8	7·9	85	8·0	0	5	0	15	8	0	0	0	0	0	3	4	5	16	0	0	3	19	5	1	4	0	4	3	3	4	6	3
	18	245	998·4	–	40·6	1·1	7·8	90	7·8	0	3	4	13	8	0	0	0	0	0	4	4	3	17	0	0	0	12	15	1	1	1	2	3	5	4	7	4
	9	209	999·0	-12·5	39·6	1·5	7·2	86	6·8	1	4	7	5	11	0	0	1	0	0	0	4	8	15	0	0	0	7	21	0	3	0	2	1	7	10	4	1
Armagh Armagh .. H	21	209	999·1	-12·3	39·5	1·3	7·4	88	5·5	9	3	1	3	12	0	0	0	1	0	2	12	8	5	0	0	1	7	20	0	1	1	1	2	2	12	6	3
10 IRELAND, S.																																					
	9	56	1000·5	–	41·0	1·2	7·8	89	7·4	2	0	11	1	14	0	1	3	3	2	4	6	6	3	0	0	0	2	24	2	0	4	1	2	1	0	8	10
Dublin Glasnevin ..	21	56	1001·0	–	41·8	1·8	7·6	85	4·6	10	0	8	3	7	0	0	0	3	3	5	4	4	9	0	0	0	2	24	2	0	1	1	0	1	8	6	9
	7	193	999·9	-13·2	39·9	0·7	7·8	93	6·7	4	5	1	8	10	0	0	0	0	0	0	0	10	18	0	0	0	0	28	0	1	1	0	2	10	7	6	1
Offlay Birr Castle ..	13	193	1000·5	–	44·9	2·0	8·5	84	8·8	0	0	2	14	12	0	0	0	0	0	0	0	12	16	0	0	0	1	27	0	1	0	1	0	7	9	7	3
	18	193	1000·7	–	43·4	1·9	7·9	84	7·4	0	5	2	14	7	0	0	0	0	0	0	0	6	22	0	0	0	0	28	0	2	0	1	0	3	9	10	3
Waterford Seskin, Carrick-on-	9	521	1001·0	–	41·4	0·8	8·3	94	7·0	0	8	1	6	13	0	0	0	2	0	2	3	6	7	8	1	13	6	6	2	1	0	0	1	1	7	2	6
Suir	21	521	1002·7	–	40·5	1·1	7·7	90	4·7	4	10	4	3	7	0	0	0	0	1	0	2	3	11	11	4	5	5	10	4	2	0	0	0	1	8	8	5
	7	45	1001·5	-11·4	45·6	2·1	8·6	83	8·7	0	3	1	8	16	0	0	0	0	0	1	6	4	17	0	0	7	13	8	0	5	3	2	2	3	5	5	3
Kerry Valentia H	13	45	1003·4	-10·2	47·6	3·2	8·5	76	8·2	0	1	5	12	10	0	0	0	0	0	0	3	3	17	5	1	4	16	7	0	3	1	1	1	2	7	8	5
Observatory	18	45	1003·9	- 9·5	46·2	2·9	8·3	78	7·8	0	3	4	10	11	0	0	0	0	1	2	2	4	18	1	0	5	12	11	0	2	1	0	3	4	7	5	6
	21	45	1004·0	- 9·7	45·7	2·7	8·2	78	7·6	0	6	2	8	12	0	0	0	0	0	2	2	5	18	1	0	6	8	14	0	3	3	1	3	4	3	6	5
	h.*	45	1002·9	-10·5	46·2	2·7	8·4	80																													
Cork Roche's Point ..	7	24	1001·1	-12·6	44·0	1·1	8·9	91	7·3	1	3	7	7	10	0	0	0	1	0	1	3	4	19	0	0	3	11	14	0	6	1	0	2	2	5	9	3
	13	24	1002·6	–	46·8	2·1	8·4	83	7·8	0	1	4	18	5	0	0	0	0	0	2	2	2	18	4	0	6	9	13	0	5	0	1	0	3	4	9	6
	18	24	1003·4	–	45·8	2·0	8·9	84	6·6	0	4	10	9	5	0	0	0	0	0	0	1	3	21	3	0	2	12	14	0	5	0	1	0	3	3	8	8
11 CHANNEL I. & SCILLY.																																					
	1	199	1004·9	–	47·5	1·6	8·8	87	7·1	1	5	2	8	12	0	0	0	2	0	0	4	8	14	0	1	8	14	5	0	1	1	0	1	0	11	6	8
	7	199	1003·6	-10·6	47·5	1·5	9·7	89	8·7	0	2	1	7	18	0	0	0	1	0	2	5	7	13	0	0	12	10	6	0	1	1	1	0	2	7	8	8
Scilly St. Mary's..	13	199	1005·0	–	49·2	2·7	9·5	80	8·6	1	0	2	11	14	0	1	0	1	0	3	5	10	8	0	3	9	13	3	0	3	1	0	0	2	5	10	7
	18	199	1005·6	–	47·3	2·0	9·3	85	8·4	0	2	3	5	18	0	1	0	2	1	1	5	7	11	0	1	11	13	3	0	4	0	0	1	2	6	9	6
	1	186	1006·7	–	46·6	1·4	9·7	88	7·5	1	4	6	2	15	0	0	0	0	3	0	8	8	6	3	0	1	15	12	0	2	0	0	0	3	7	8	8
	7	186	1005·9	–	46·7	1·4	9·8	89	8·7	0	1	2	11	14	0	0	0	0	0	2	5	12	6	3	0	2	13	13	0	3	1	0	0	3	7	9	8
Guernsey St. Peter Port H	13	186	1005·9	–	48·9	2·3	9·8	83	8·4	0	1	6	7	14	0	0	0	0	2	2	7	11	2	4	1	3	15	9	0	3	0	0	0	2	4	11	8
	18	186	1006·2	–	47·0	1·9	9·4	85	8·1	1	2	6	4	15	0	0	0	0	2	2	6	13	4	1	0	4	15	7	2	2	1	0	0	2	3	10	8
	7	400	1020·3	+ 0·3	54·7	2·6	12·2	83	4·8	3	7	10	8	0	0	1	0	0	0	0	0	4	13	10	0	1	7	15	5	2	2	0	1	0	0	6	12
GIBRALTAR .. .. H	13	400	1020·8	–	59·5	3·8	13·6	79	5·6	1	9	3	14	1	0	0	0	0	0	0	0	1	12	15	0	2	12	13	1	0	0	4	2	0	5	12	4
	18	400	1020·1	–	58·3	2·9	13·7	82	5·5	3	6	6	11	2	0	0	0	0	0	0	0	2	7	19	0	1	11	15	1	0	0	0	1	0	3	18	5
	21	400	1020·8	–	57·3	3·2	12·9	80	3·0	12	6	4	5	1	0	0	0	0	0	0	0	0	10	18	0	2	9	16	1	1	2	0	1	0	0	9	14
	7	234	1013·1	- 3·6	54·8	3·6	11·3	77	5·9	0	9	5	13	1	0	0	0	0	0	0	0	5	23	0	0	2	13	13	0	3	1	0	0	2	7	9	6
MALTA .. .. H	13	234	1012·3	–	58·7	5·5	11·4	68	5·0	0	11	7	9	1	0	0	0	0	0	0	1	6	21	0	0	3	18	7	0	3	2	0	0	2	5	10	6
	18	234	1012·6	–	55·2	3·3	11·8	79	4·3	1	13	5	6	3	0	0	0	0	0	0	2	5	20	1	0	2	11	14	1	2	2	0	1	1	3	15	3

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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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; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any bookseller.

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Annual Subscription, including Annual Summary and Introduction, 15s. 0d. post free.

MARCH, 1937.—Cold; frequent sleet and snow; serious floods in the Fenlands

The month was notably cold, with frequent falls of sleet and snow. Severe snowstorms occurred in Scotland, northern districts of England and in Northern Ireland between the 11th and 14th and serious flooding caused extensive damage in the Fenlands, the peak condition of the flooding occurring about March 17th.

During the opening days a depression moved westward from Denmark across Scotland and filled up; unsettled weather prevailed with occasional rain, sleet and snow but good records of bright sunshine were reported locally. From the 4th–9th depressions moved on an easterly track to the south of the British Isles and caused a spell of very cold weather with winds mainly from some easterly point. Wintry precipitation was widespread and a fairly heavy fall of sleet and snow occurred locally in south-east England and the southern Midlands on the night of the 6th–7th. A deep depression which approached the south of Ireland on the 11th and subsequently moved slowly north-eastward caused severe snowstorms in northern districts accompanied by strong north-easterly winds and local gales. On the 14th a new deep depression moved along the English Channel to Denmark giving further precipitation, mainly in England. Subsequently a deep depression approached south-west Ireland from the Atlantic and remained almost stationary from the 17th–19th. Somewhat milder, unsettled weather prevailed with occasional rain and local thunderstorms; sleet or snow occurred in places in northern districts on the 16th. On the 20th the depression off south-west Ireland moved away south-east and, in its rear, a spell of cold northerly winds prevailed over the British Isles with wintry showers and good records of bright sunshine in many places, particularly on the 23rd. A depression near the Shetlands moved south-east from the 24th–26th and, in its rear, an anti-cyclone situated off the south of Iceland moved slowly south-east over the British Isles. Cool, mainly sunny weather prevailed from the 26th–29th though there was some precipitation at times. Finally, on the 30th a deep depression on the Atlantic moving towards Iceland brought a change of type with southerly gales locally in the west and north.

Pressure and Wind.—Mean pressure was below the average except in the Shetland Islands, the deficiency being greatest in the south. The deviation from the average at 7 h. ranged from + 0·9 mb. at Lerwick to −10·7 mb. at the Scilly Isles, the normal distribution of pressure being approximately reversed. Winds from some northerly or easterly point frequently prevailed. Gales were most frequent on the western and northern coasts; they were reported on 7 days at Wick, 6 days at Stornoway and St. Ann's Head and 5 days at Lerwick and Tynemouth. Among the highest speeds recorded in gusts were 77 m.p.h. at Holyhead on the 11th and at Kirkwall on the 21st, 76 m.p.h. at Valentia Observatory on the 30th and 70 m.p.h. at Pendennis Castle on the 11th.

Temperature.—The month was cold, exceptionally so in Scotland and Ireland. The deviation from the average mean temperature for the districts ranged from −4·4°F. in Scotland, E. to −2·0°F. in the Channel Islands.

Over Scotland as a whole it was the coldest March since 1919. A feature of the cold was its persistence; there were no really warm days, the highest temperature recorded being 55°F. at Kilmarnock on the 19th. The only other year in a period of at least 80 years in which temperature failed to reach a higher level in Scotland in March was 1919.

The lowest minimum temperature reported in the British Isles was 0°F. at Braemar on the 8th, but readings of 20°F. or below occurred at numerous stations in Great Britain. Ground frosts were very frequent; they were reported on 29 days at West Linton and on 28 days at Dalwhinnie, Ardtornish, Dungavel, Doncaster and Meltham. Among relatively mild spells may be mentioned the 17th–20th.

The extremes for the month were:—(England and Wales), 59°F. at Chelmsford, Camden Square (London) and Canterbury on the 20th, 13°F. at Castleton on the 16th; (Scotland), 55°F. at Kilmarnock on the 19th, 0°F. at Braemar on the 8th; (Ireland), 55°F. at Mallaranny on the 19th and 20th and at Foynes on the 18th, and 19°F. at Markree Castle on the 9th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 115, the values for the constituent countries being England and Wales 139, Scotland 77 and Ireland 109.

Less than the average rainfall occurred over Scotland (except a large part of the eastern district), over the north-western half of Ireland and over the north-west of England and most of Wales. Less than half the average was received locally in the north-west of Ireland and in the Western Highlands of Scotland and less than a quarter locally in Argyllshire and the extreme west of Inverness-shire. On the other hand, more than twice the average occurred at a few stations in the south and east of Ireland and at a number of stations in England, while 242 per cent. was registered at Cambridge, 244 per cent. at Phœnix Park, Dublin, 264 per cent. at Glasnevin, Dublin, and 265 per cent. at Gorey, County Wexford. The excessive rainfall over most of England was the more significant as March followed two very wet months. From the general values published in *British Rainfall*, 1931, it appears that the rainfall of January to March 1937 over England and Wales exceeded that for any similar period since before 1727. The Great Ouse Catchment area received about 190 per cent. of the average during these three months. The peak condition of the severe flooding in this area occurred about March 17th.

Among heavy falls in 24 hours were:—

11th. 2·20 in. at Hazelhatch, County Dublin, and 1·85 in. at Huddersfield (Oakes).

16th. 1·93 in. at Aber, Carnarvonshire, and 1·92 in. at Glendevon, Perthshire.

Sleet and snow were unusually frequent. For example, the number of days with sleet or snow was the largest on record for March at such widely-separated stations as Croydon, Birmingham and Eskdalemuir. The snowstorms of the 11th–13th or 14th were severe in the north of England, the south of Scotland and Northern Ireland. The storms in these areas were accompanied by strong north-easterly winds and deep drifts accumulated. Practically all the roads in the province of Ulster were impassable for wheeled traffic (see Met. Mag., April 1937, p. 67) and in Scotland also roads in all parts of the country were blocked. Local thunderstorms were reported on 11th, 12th, 15th and from the 17th to 20th.

Sunshine.—The distribution of bright sunshine was variable; broadly speaking, sunshine exceeded the average in the west and north of Scotland and the greater part of Ireland and was deficient over most of England and the eastern and central districts of Scotland. There were, however, exceptions to this distribution among the individual stations. A large excess was registered at some places in the extreme north and west of Scotland and in north-west Ireland; for example, the percentage of the average was 149 at Tiree, 144 at Baltasound, 137 at Lerwick and 130 at Stornoway and Mallaranny. On the other hand, the percentage was only 53 at Houghall and 60 at Durham.

Fog.—Local fog occurred at times, mainly from the 3rd–6th, 9th–12th, 16th–20th, 23rd and 28th–30th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 9 days; it was reported as far south as Paisley on the 1st and 24th. At Oxford solar halos were noted on 14 days and a short sun pillar on the evening of the 27th.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *24th April*, 1937.

TABLE I—DISTRICT VALUES— MARCH, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	51	4	-4·2	-	-	60	-2	116	33
Eastern									
1 SCOTLAND, E.	52	0	-4·4	-	-	122	+3	89	26
2 ENGLAND, N.E.	56	13	-4·0	-2·1	-1·1	167	+5	75	22
3 ENGLAND, E.	59	19	-3·0	-1·4	-0·5	167	+2	93	31
4 MIDLAND COUNTIES ..	58	18	-3·7	-2·4	-0·8	145	+2	86	25
5 ENGLAND, S.E.	59	18	-2·7	-1·6	0·0	185	+2	99	33
Western									
6 SCOTLAND, W. (*and I. of Man*)	55	13	-4·2	-2·7	-1·1	54	-5	111	32
7 ENGLAND, N.W. (*and N. Wales*)	56	16	-3·6	-2·0	-0·7	67	+2	87	27
8 ENGLAND, S.W. (*and S. Wales*)	56	16	-3·2	-2·1	+0·2	139	+2	89	30
9 IRELAND, N. ..	55	19	-4·1	-2·7	-2·4	62	-2	115	25
10 IRELAND, S. ..	55	21	-4·3	-2·8	-1·3	144	+2	102	32
11 CHANNEL I. (*and Scilly*)	55	32	-2·0	-2·1	-0·2	194	+4	97	38
Mean, DISTRICTS 1—10	59	0	-3·7	-2·2	-0·9	125	+1	95	28

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— MARCH, 1937 [1914]

DISTRICT AND STATION	Height			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			
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time	
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d h	m
0 SCOTLAND, N.																			
Shetland ‡Lerwick	310	53	39	12.25.31	25	12	146	342	213	18	0	20	49	22	1 21	69	31	1 20	25
Orkney Kirkwall	170	40	35	2.21	2	16	154	335	221	32	0	30	40	18	21 24	77	34	21 23	30
Hebrides Stornoway	—	40	36	1.16.17.30.31	27	27	175	346	179	17	0	30	47	21	1 07	66	29	1 06	25
1 SCOTLAND, E.																			
Aberdeen Aberdeen	70	42	32	-	0	5	8	306	349	81	0	120	26	12	16 23	50	22	25 09	35
Angus Bell Rock Lighthouse	130	—	126	1.2.11–13.16.17	28	22	259	299	151	7	0	120	45	20	16 22	58	26	1 10	35
Edinburgh Edinburgh	485	39	23	-	0	5	25	230	395	94	0	160	35	16	31 11	47	21	31 10	30
6a SCOTLAND, W.																			
Argyll Tiree	75	50	42	1.30	19	15	164	316	189	56	0	10	42	19	1 10	65	29	30 17	45
Renfrew Paisley	188	81	31	-	0	2	2	94	455	193	0	70	25	11	11 13	53	24	11 12	15
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	4	14	134	400	196	0	70	28	13	11 13	56	25	11 11	45
Dumfries Eskdalemuir ..	825	50	35	-	0	8	(55)	222	311	156	0	50	35	15	11 19	-	-	- -	-
6b ISLE OF MAN																			
Isle of Man Point of Ayre ..	70	40	35	16	4	13	114	328	241	57	0	160	40	18	16 14	59	26	11 13	45
2 ENGLAND, N.E.																			
Durham South Shields ..	73	57	44	23	1	8	66	356	246	75	0	350	42	19	23 01	60	27	23 00	05
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	100	386	258	0	290	21	9	24 24	41	18	24 23	40
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	13	94	388	233	27	2	80	37	17	11 12	53	24	11 11	25
Lincoln Cranwell	284	43	33	-	0	1	4	124	450	166	0	120	27	12	16 18	40	18	16 17	05
3 ENGLAND, E.																			
Norfolk Gorleston	52	42	34	-	0	5	17	311	345	71	0	120	33	15	16 20	46	21	16 19	45
Suffolk Felixstowe Aero. ..	60	45	35	-	0	5	16	299	356	(73)	0	60	28	13	7 06	49	22	14 21	10
Suffolk Mildenhall	64	45	20	-	0	2	5	205	436	98	0	280	29	13	15 14	49	22	12 14	25
Bedford Cardington ..	285	150	135	-	0	6	16	315	349	64	0	170	30	13	12 13	44	20	26 14	15
Essex Shoeburyness ..	115	104	89	-	0	9	39	358	312	35	0	80	35	16	7 05	46	21	7 09	20
4 MIDLAND COUNTIES																			
Warwick Birmingham ..	643	118	73	-	0	0	0	229	481	34	0	150	23	10	16 16	45	20	18 15	50
5 ENGLAND, S.E.																			
London South Kensington ..	137	110	30	-	0	0	0	50	621	73	0	90	18	8	14 07	43	19	12 12	45
Surrey Kew Observatory ..	92	75	50	-	0	0	0	217	416	111	0	70	23	10	{4 13	45	20	17 14	30
Surrey Croydon	313	105	70	-	0	4	5	348	343	48	0	290	25	11	{14 07	46	21	12 14	20
Kent Dover	66	66	60	-	0	10	60	353	292	15	24	-	37	17	15 13 7 05	47	21	7 08	30
Kent Lympne	418	76	48	-	0	8	28	342	355	19	0	50	30	13	7 11	66	29	12 23	30
Hampshire Calshot	58	50	42	-	0	10	49	320	315	60	0	130	31	14	11 03	50	22	12 18	40
Wiltshire Boscombe Down ..	462	45	33	-	0	5	25	271	384	64	0	170	30	13	12 11	45	20	12 10	00
Wiltshire Larkhill	491	51	36	-	0	6	29	425	266	24	0	40	34	15	14 09	49	22	14 13	55
7a ENGLAND, N.W.																			
Lancashire Fleetwood	112	50	31	-	0	7	34	264	393	53	0	100	30	13	11 09	59	26	11 16	20
Lancashire Manchester (Barton)	153	83	80	11	1	3	17	217	401	98	10	60	40	18	11 13	63	28	11 12	35
Lancashire Southport	60	42	33	11	3	8	30	265	390	66	0	90	39	17	11 17	62	28	11 13	10
Cheshire Bidston Obs'y. ..	262	64	39	-	0	3	31	309	337	59	8	100	36	16	11 10	61	27	11 11	40
7b NORTH WALES																			
Anglesey Holyhead	68	43	35	11	17	10	73	397	228	29	0	70	51	23	11 10	77	34	11 09	35
Flint Sealand	81	65	42	-	0	3	15	191	349	189	0	280	30	13	26 13	49	22	24 17	45
8b ENGLAND, S.W.																			
Devon Moretonhampstead	838	40	35	-	0	5	13	289	302	140	0	130	27	12	16 13	63	28	1 04	35
Devon Plymouth	185	88	65	12	2	8	82	212	266	115	67	-	41	15	12 03	64	29	11 23	30
Cornwall The Lizard	315	75	60	1.10.12.16	19	19	193	284	201	47	0	160	46	21	16 12	68	30	12 17	50
Cornwall Pendennis Castle ..	256	65	42	7.10–12.16.17	22	20	199	239	187	88	9	210	46	21	16 12	70	31	11 23	25
9 IRELAND, N.																			
Donegal Dunfanaghy Road	180	47	30	-	0	3	16	130	301	139	158	-	28	13	30 20	49	22	11 22	15
Antrim Aldergrove	282	40	20	-	0	4	25	184	390	145	0	60	31	14	11 17	58	26	11 16	25
10 IRELAND, S.																			
Dublin Kingstown(Cup Anr.)	49	27	27																
Clare Quilty	100	40	32	16	1	8	57	350	291	46	0	-	40	18	16 07	54	24	16 06	40
Kerry Valentia Observatory	98	41	33	16.30	5	7	52	300	274	113	0	160	41	19	30 14	76	34	30 13	15
Cork Cork	132	71	40	-	0	3	9	243	288	99	105	-	26	12	25 04	49	22	25 01	20
11 SCILLY ISLES																			
St. Mary's	230	65	57	1.11.12.14.16	21	22	239	305	159	20	0	300	45	20	12 16	66	29	12 16	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. *

The dotted lines indicate the normal distribution of pressure in March, based on 45 years' observations, 1881–1915.

1007 1008 1009 1010 1011 1012 1013

1007 1006 1005 1004 1003

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

2. MOVEMENTS OF DEPRESSIONS.

SCALE 1:25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS.

44° 42° 40° 38° 36°

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

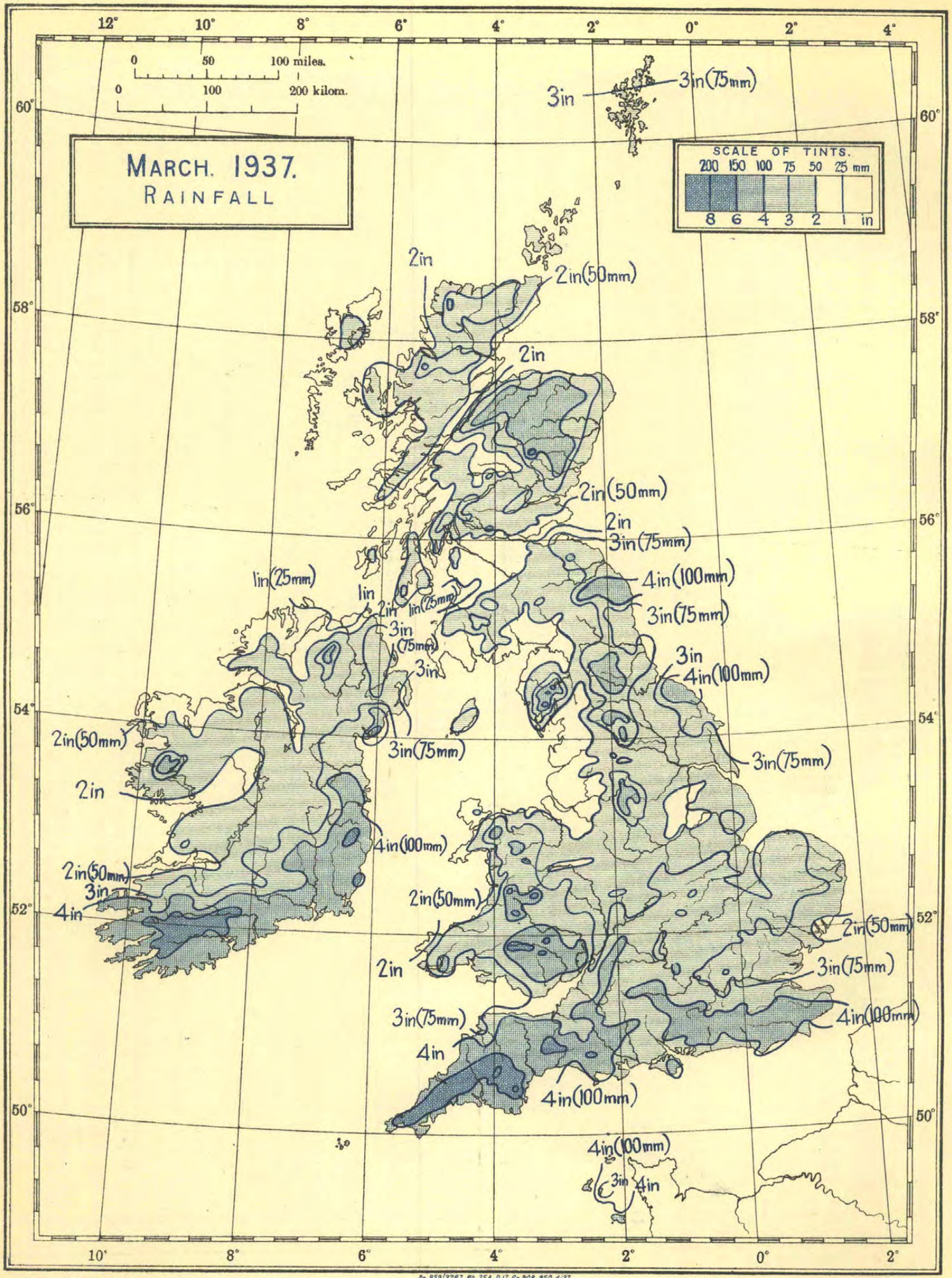
4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs.

5·0 4·0 3·0 2·0

H.M. Stationery Office Press, Kingsway, W.C.2.

*The pressure is expressed in millibars.



Pa. 859/3267. Wt. 25A. D.17. Gp.908. 350. 4/37.

Scale 1 : 5,000,000.

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

TABLE III—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS MARCH, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale		Percentage	
		Max. Min. Rain		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	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
0 SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	41·3	32·1	36·7	-3·0	46	18,20,30	22	13	37·7	-	3·54	90	102	·71	14	29	20	14	8	6	0	0	-	0	3·90	144	33
	Lerwick .. ¶§	18–7 7	156	39·8	33·3	36·5	-3·3	44	29,30	25	12	-	-	2·15	55	73	·54	1	19	13	18	5	13	0	0	-	5	4·11	137	35
Orkney	Deerness	2121 9	160	39·8	33·1	36·5	-3·4	46	30	28	12	-	-	2·55	65	91	·43	14	26	17	22	3	1	0	0	-	-	3·62	118	31
	Kirkwall .. ¶§	9 9 9	113	40·4	32·8	36·6	-3·5	46	29	26	12	37·7	-	2·18	55	75	·31	2	25	15	18	1	4	0	0	14	2	4·17	124	36
Hebrides	Skallary	101010	30	43·9	35·8	39·9	-	47	17,20,29	30	8	-	-	1·28	33	-	·17	25,30	16	11	9	2	2	0	-	-	-	-	-	-
	Stornoway(C.G.)¶§	18–7 7	80	41·5	33·5	37·5	-4·2	47	30	25	13	-	-	1·96	50	50	·35	13	19	14	12	3	13	0	0	-	6	4·56	130	39
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skye	Duntuim ..	9 9 9	294	41·7	33·1	37·4	-	49	30	26	7	-	-	2·04	52	-	·40	16	16	15	15	0	0	0	0	17	0	4·64	-	40
Caithness	Wick	18–7 7	81	40·4	32·8	36·6	-3·9	46	29	23	7	-	-	1·96	50	86	·33	1	21	14	17	7	10	0	0	7	-	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	41·4	29·5	35·5	-5·4	51	31	18	8	-	-	2·01	51	28	·58	24	14	10	10	(3)	0	0	0	-	-	-	-	-
	Fortrose	9 9 9	69	41·1	32·1	36·6	-4·3	50	29	26	16	-	-	1·50	38	-	·43	22	19	12	11	4	1	0	1	-	0	3·18	85	27
Inverness	Dalwhinnie ..	18–7 7	1176	36·2	24·5	30·3	-	45	29	4	8	-	-	1·50	38	-	·25	22	19	11	17	31	0	0	0	28	2	3·15	-	27S
	Ft. Augustus ¶	9 9 9	68	42·8	29·9	36·3	-3·8	50	30	17	8	-	-	1·10	28	30	·25	2	17	9	11	8	0	0	0	-	-	3·21	100	27S
	Ft. William ..	9 9 9	34	43·5	31·0	37·3	-3·4	50	30	18	8	37·0	40·9	1·39	35	21	·61	16	14	8	8	3	0	0	0	22	1	4·18	-	36S
	Inverness ¶§	9 9 9	242	39·6	29·8	34·7	-6·0	47	30	20	11	-	-	1·61	41	73	·35	22	16	14	12	7	7	0	0	21	0	3·39	91	29
1 SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	40·9	31·2	36·1	-4·2	49	30	22	7	-	-	1·39	35	74	·23	2	19	12	11	5	4	0	0	-	0	3·18	86	27
Moray	Forres	9 9 9	155	41·5	30·1	35·8	-	49	30	21	7	-	-	2·06	52	-	·71	21	20	13	11	9	4	0	2	-	0	2·97	-	25
	Gordon Castle ..	2121 9	104	40·5	30·6	35·5	-5·0	46	24,30	22	7,11,13	-	-	2·72	69	117	·54	1	22	18	(11)	(9)	0	0	-	-	-	2·68	74	23S
Banff	Banff	9 9 9	130	39·8	32·2	36·0	-4·8	45	3,29	27	10	-	-	2·19	56	109	·35	2	26	16	14	2	1	0	0	15	0	3·13	86	27S
Aberdeen	Aberdeen ¶§	242424	79	40·2	32·4	36·3	-4·0	45	24,29	25	23	37·0	38·4	2·76	70	115	·41	17	25	17	20	5	14	0	1	18	0	3·18	91	27
		18–7 –	—	40·5	31·9	36·2	-5·1																							
	Balmoral.. ..	9 9 9	927	35·9	25·2	30·5	-6·1	42	24,29	9	8,16	-	-	5·31	135	187	·92	22	23	19	18	31	0	0	-	27	0	-	-	-
	Braemar	2121 9	1111	36·0	23·9	29·9	-6·4	44	29	0	8	-	-	4·13	105	138	·58	1	22	14	17	31	0	0	2	23	3	2·75	-	24S
	Craibstone ..	9 9 9	300	39·0	30·6	34·8	-5·5	45	24	26	8,26	36·0	37·9	3·35	85	129	·84	17	20	17	21	11	14	0	-	16	-	3·43	89	29
	Logie Coldstone..	9 9 9	608	37·8	27·5	32·7	-5·4	44	29,30	15	16	-	-	4·49	114	173	·84	1	21	16	18	28	0	0	0	0	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	42·2	31·6	36·9	-	49	24	23	16	-	-	2·85	72	-	·52	1	19	13	13	3	3	0	1	-	-	3·33	-	28
Angus	Arbroath.. ..	2121 9	93	42·4	31·7	37·1	-3·6	50	24	23	16	-	-	2·56	65	133	·63	16	15	11	11	6	2	0	3	18	0	3·33	83	28
	Carnoustie ..	9 9 9	39	41·7	32·0	36·9	-3·7	48	24	25	16	-	-	1·96	50	96	·69	16	13	9	7	4	0	0	-	-	0	3·25	87	28
	Dundee .. ¶§	9 9 9	147	41·4	31·8	36·6	-3·9	48	19,29	24	9	36·0	-	3·52	89	190	·91	16	19	11	9	12	3	0	-	26	0	3·20	96	27
	Kettins	9 9 9	218	41·1	29·6	35·3	-4·5	48	29	20	16	35·6	-	2·92	74	122	·93	16	13	12	12	7	0	0	1	25	0	-	-	-
	Montrose.. ..	9 9 9	16	41·2	32·0	36·6	-4·1	49	24	25	8,16,17	-	-	2·34	59	-	·80	17	17	10	11	5	5	-	0	-	0	3·20	89	27
Perth	Crieff	2121 9	478	41·2	29·8	35·5	-4·2	50	29	21	8	-	-	2·68	68	84	1·02	16	13	11	6	18	4	0	-	-	0	-	-	-
	Perth	9 9 9	76	42·9	29·8	36·3	-4·4	50	24,29,31	17	8	-	-	3·12	79	126	·97	16	11	11	6	5	0	0	-	-	-	3·27	94	28S
Fife	Cupar	9 9 9	210	41·5	31·4	36·5	-4·2	50	24	24	8,16	-	-	2·77	70	-	·55	16,17	18	13	8	8	3	0	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	42·0	30·4	36·2	-	49	30	22	8	37·1	39·3	2·16	55	-	·46	16	15	9	16	14	5	0	0	24	0	3·54	-	30
	Inchkeith ..	18–7 7	190	41·6	32·5	37·1	-4·6	47	29,30	28	8	-	-	1·54	39	93	·37	17	15	10	11	4	0	0	3	19	0	3·65	95	31
	Kirkcaldy ..	9 9 9	137	41·6	30·5	36·1	-5·5	48	29	26	8,16	-	-	2·34	59	-	·53	16	14	11	12	2	1	0	-	-	-	-	-	-
	Leuchars.. ..	18–7 7	36	42·5	31·5	37·0	-4·3	50	24,25	23	16	-	-	2·61	66	132	·67	16	15	13	14	8	4	0	1	22	0	3·55	91	30
	St. Andrews ..	9 9 9	13	41·6	30·4	36·0	-4·9	50	24	21	16	37·5	40·8	2·39	61	115	·57	16	17	12	9	0	2	0	1	21	-	2·93	79	25
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	40·5	30·7	35·6	-4·7	48	19	25	8	-	-	1·70	43	86	·35	17	19	10	15	12	0	0	3	22	0	3·13	87	27
	Boghall	9 9 9	639	39·1	29·6	34·3	-5·8	47	19	19	16	34·6	37·8	2·38	60	-	·38	16	22	16	13	19	3	0	1	23	-	3·15	88	27
	Liberton	9 9 9	190	41·6	30·6	36·1	-	48	19,24,31	21	16	-	-	2·15	55	-	·48	12	18	14	9	7	0	0	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	41·6	31·4	36·5	-	48	9,30,31	26	9	36·6	40·5	1·97	50	-	·42	12	18	13	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	41·1	32·3	36·7	-	48	24	26	10,16	-	-	2·54	65	-	·67	16	19	14	14	6	8	0	1	22	0	3·01	-	26
	N. Berwick ..	9 9 9	118	41·6	31·9	36·7	-5·0	47	24,29,31	25	16	-	-	2·97	75	168	·49	16	19	16	9	4	1	0	0	20	0	2·93	74	25
Berwick	Marchmont ¶§	2121 9	498	39·6	29·0	34·3	-5·2	48	19	17	16	-	-	3·76	95	143	·64	1	25	14	12	24	0	0	-	-	0	2·84	86	24S
	St. Abb's Head	18–7 7	280	39·7	33·3	36·5	-	48	19	29	11,22	-	-	3·05	77	-	·65	16	22	14	15	12	16	0	3	-	0	-	-	-
Peebles	Peebles	9 9 9	629	39·8	27·6	33·7	-	48	19,29	14	16	-	-	2·03	52	-	·60	16	17	11	18	28	0	0	0	26	2	2·37	-	20
	West Linton ..	9 9 9	820	39·6	26·8	33·2	-4·5	50	19	11	16	34·1	38·4	2·44	62	-	·52	16	18	13	16	31	2	0	3	29	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	41·0	30·2	35·6	-4·9	52	19	19	16	-	-	2·52	64	128	·46	12	19	14	7	19	0	0	4	-	0	-	-	-
	Wolfelee	9 9 9	537	40·5	27·7	34·1	-4·8	47	19,29	15	16	-	-	2·72	69	81	·51	12	23	14	18	31	4	0	0	-	0	-	-	-
6a SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	45·8	29·4	37·6	-3·7	53	28	19	9	-	-	2·51	64	-	·54	18	10	10	10	3	0	0	-	28	-	-	-	-
	Colonsay ..	9 9 9	87	43·5	33·1	38·3	-	49	20	21	8	-	-	1·15	29	-	·29	16	12	9	5	0	0	0	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	44·7	30·8	37·7	-	51	27	21	16	37·2	38·8	3·20	81	-	1·66	16	11	9	8	2	0	0	0	25	-	3·28	-	28S
	Dunoon	9 9 9	132	42·7	32·1	37·4	-	48	19,27,28	25	8	-	-	1·85	47	-	1·13	16	9	5	1	1	0	0	0	20	0	4·01	-	34
	Glenbranter ..	9 9 9	188	43·9	27·8	35·9	-5·2	52	27,29	16	8	-	-	2·26	57	-	1·00	16	12	11	3	2	1	0	0	25	-	-	-	-
	Oban	9 9 9	229	43·3	32·5	37·9	-	52	19	25	9,10	-	-	·39	10	-	·15	16	9	2	6	0	0	0	0	20	0	4·61	126	39
	Tiree .. ¶§	18–7 7	22	43·4	34·2	38·8	-4·1	51	19	25	8	-	-	1·18	30	35	·33	16	13	7	6	0	7	0	0	6	4	5·81	149	50
Bute	Rothesay ¶§	2121 9	200	42·9	32·5	37·7	-3·6	49	27	27	8	36·9	40·6	2·16	55	60	1·08	16	9	6	5	1	3	2	0	23	4	3·90	116	33
Dumbarton	Cardross	9 9 9	130	43·3	30·7	37·0	-3·7	50	29	22	8	-	-	1·86	47	-	·72	16	10	9	5	4	0	0	0	-	-	3·27	105	28S
	Helensburgh ..	9 9 9	293	42·6	30·2	36·4	-4·6	50	28,29	22	8	-	-	2·35	60	57	1·03	16	11	9	11	2	0	0	2	-	0	3·84	125	33
Stirling	Stirling	9 9 9	151	42·8	32·3	37·5	-4·5	53	29	23	8	36·4	39·8	2·10	53	-	·78	16	16	9	7	7	1	0	1	27	0	3·03	90	26
Renfrew	Greenock	9 9 9	199	42·3	32·6	37·5	-3·4	48	29	26	8	-	-	1·65	42	34	·79	16	11	7	5	3	0	0	6	17	0	3·46	-	29
	Paisley	2121 9	106	44·2	32·5	38·3	-3·5	52	29	26	8	38·4	42·5	1·60	41	50	·65	16	12	6	7	5	0	0	0	23	0	2·93	93	25
	Renfrew (Abbotsinch) ¶§	18–7 7	19	43·2	30·9	37·1	-4·2	50	19	22	16	-	-	1·46	37	52	·66	16	13	6	13	6	0	0	2	25	0	3·06	101	26
Lanark	Carluke	9 9 9	534	41·3	29·7	35·5	-	50	31	22	22	-	-	1·14	29	-	·26	16	17	6	14	11	1	0	1	25	1	3·21	-	27
	Dungavel	9 9 9	798	39·9	28·0	33·9	-4·2	49	19	20	8,14,22	-	-	1·28	33	-	·29	12	15	10	14	1	0	0	3	28	-	-	-	-
	Glasgow	9 9 9	85	42·7	33·1	37·9	-3·3	50	19	27	8,13	-	39·7	1·24	31	46	·42	16	14	7	14	10	0	0	9	-	0	2·73	-	23
	Thorntonhall ..	9 9 9	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ayr	Auchincruive ..	9 9 9	89	44·6	29·7	37·1	-	53	18	19	8	38·4	41·3	·83	21	-	·30	17	9	5	6	1	1	0	0	25	0	3·71	-	31
	Ayr	2121 9	43	43·1	32·1	37·6	-	52	20	25	8,10,12	-	-	·87	22	-	·30	17	9	9	0	0	0	0	0	22	-	3·87	-	33
	Colmonell	9 9 9	170	43·9	31·8	37·9	-3·7	51	18	22	10	-	-	2·19	56	65	·87	16	15	9	10	3	2	0	0	21	-	-	-	-
	Kilmarnock ..	9 9 9	130	44·8	30·3	37·5	-	55	19	22	8,22	38·2	42·3	·86	22	-	·19	17	11	9	10	4	0	0	0	25	0	3·52	-	30
	Troon	9 9 9	15	43·8	32·8	38·3	-	50	18,19,27	26	8,13	-	-	·75	19	-	·25	18	8	4	6	2	0	0	0	25	0	3·97	-	34
	Turnberry ..	9 9 9	30	44·1	32·7	38·4	-3·7	52	19	27	8,10,11	-	-	·69	17	-	·21	17	10	7	4	0	2	0	0	(24)	0	4·34	117	37
Dumfries	Dumfries.. ¶§	2121 9	140	43·4	30·6	37·0	-3·9	52	18	22	16	37·9	40·6	1·68	43	59	·87	16	12	7	10	3	1	0	1	25	0	3·15	92	27
	Eskdalemuir ¶§	242424	794	39·0	26·2	32·6	-5·1	47	29	13	16	37·6	41·2	3·21	81	65	·87	12	17	13	22	14	5	1	1	25	3	3·08	97	26
		18–7 –	—	39·6	27·4	33·5	-5·0																							
	Ruthwell.. ..	2121 9	67	44·1	30·3	37·2	-3·7	53	18	22	22	-	-	1·33	34	-	·49	16	10	7	6	1	0	1	-	-	0	2·87	82	24S

¶§ S *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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER Number of days										BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale		Percentage	
		Max. Min. Rain		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	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	42·4	34·1	38·3	-3·6	51	20	29	10	-	-	3·59	91	122	1·33	12	20	14	12	7	6	0	0	18	0	4·46	107	38
	Point of Ayre ..	18–7 7	30	44·2	36·5	40·3	-	51	18	31	10,28	-	-	1·99	51	-	·52	16	15	10	2	1	2	0	0	-	0	4·44	-	38
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	41·0	32·6	36·8	-4·5	51	19	24	16	-	-	3·22	82	174	·44	13	23	17	14	11	15	0	2	16	0	2·98	72	25
	Bellingham ..	9 9 9	849	39·3	27·4	33·3	-5·0	47	29	18	16	-	-	2·78	71	94	·53	11	22	12	23	18	1	0	1	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	40·8	28·6	34·7	-5·0	48	19	19	16	35·2	38·1	4·31	109	185	1·37	12	23	15	18	11	0	0	4	21	0	2·55	69	22
	Tynemouth ..	18–7 7	108	42·0	33·8	37·9	-4·4	51	18	27	22,26	-	-	3·56	90	197	·55	12	23	20	15	5	3	1	1	15	5	2·40	-	20
Durham	Chopwellwood ..	9 9 9	446	40·8	30·6	35·7	-4·2	51	19	22	16	-	-	2·95	75	125	·70	11	23	16	17	17	3	0	0	23	-	2·23	65	19
	Durham .. ¶§	2121 9	336	41·7	31·3	36·5	-3·5	53	18	23	16	-	-	3·11	79	168	·58	11	26	16	14	12	2	0	7	19	0	2·05	60	17
	Houghall	9 9 9	160	43·8	30·1	36·9	-4·2	56	18	19	16	-	-	3·86	98	-	·82	11	22	16	18	9	2	0	1	26	0	1·79	53	15
	Sunderland ..	9 9 9	70	41·9	33·3	37·6	-	53	18,19	28	22,26	-	-	3·25	83	-	·52	11	25	19	16	7	6	0	3	17	-	-	-	-
	Ushaw College ..	9 9 9	594	39·9	31·0	35·5	-4·4	49	18,19	23	16	-	-	3·93	100	178	·73	11	25	19	20	16	0	0	11	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	41·6	31·4	36·5	-4·1	55	18	24	16	-	-	3·22	82	-	·89	11	21	17	20	13	1	3	4	22	-	2·94	-	25
	Castleton ..	9 9 9	450	40·7	29·9	35·3	-	54	18	13	16	36·5	-	4·68	119	-	·73	14	27	19	16	18	0	0	2	18	-	-	-	-
	Catterick	18–7 7	175	41·4	31·3	36·3	-	53	18	23	16	-	-	2·83	72	-	·95	11	21	15	17	8	6	0	4	24	0	2·36	-	20
	Scarborough †¶§	9 9 9	118	44·0	34·1	39·1	-3·6	54	18	29	16,22,26	-	40·1	3·63	92	200	·65	11	23	16	12	6	0	0	3	18	0	2·83	78	24
	York .. ¶§	2121 9	57	43·9	32·9	38·4	-3·7	55	18	26	26	38·6	41·5	2·26	57	133	·41	11	18	14	10	7	2	1	-	-	0	2·69	87	23
Yorks., E. Riding	Hull	2121 9	8	43·8	34·3	39·1	-2·9	56	19	27	23	38·9	41·8	2·08	53	115	·63	11	20	12	12	0	3	1	1	17	-	2·65	80	22
	Spurn Head ..	18–7 7	29	42·8	34·9	38·9	-3·2	53	18	31	11,23,26	-	-	2·80	71	173	·70	11	27	16	11	4	1	0	1	-	0	3·59	89	30
Lincoln	Cranwell .. ††¶§	18–7 7	203	43·7	31·5	37·6	-4·2	55	19	23	16	37·2	40·2	2·14	54	151	·38	14	18	11	15	4	2	2	2	21	0	3·09	79	25
	Cleethorpes ..	9 9 9	23	43·9	33·5	38·7	-3·6	54	17,18,19	26	16	-	-	2·68	68	-	·42	11	23	17	13	4	0	0	1	15	-	3·55	83	30
	Skegness ..	9 9 9	15	42·9	33·8	38·3	-3·0	54	18	29	10,16,26	-	-	2·53	64	153	·63	11	20	13	12	3	7	3	1	14	-	3·99	99	34
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	44·8	33·9	39·3	-2·8	57	19	28	16	-	-	2·65	67	156	·54	11	22	14	11	0	2	2	1	11	0	3·73	88	32
	Hunstanton ..	9 9 9	105	44·5	34·8	39·7	-3·0	56	19	28	16	-	-	2·70	69	-	·40	11	22	17	8	4	1	1	1	-	-	3·88	83	33
	Norwich	9 9 9	110	44·7	33·1	38·9	-3·4	56	18,19	27	16,23	38·9	-	2·66	68	-	·46	14	20	13	10	4	2	1	-	19	-	3·40	84	29
	Sprowston ..	9 9 9	93	44·6	32·6	38·6	-3·3	55	19,20	26	16	-	-	2·69	68	-	·55	14	20	15	8	3	2	0	-	24	-	3·36	72	28
	Terrington ..	9 9 9	13	44·5	33·4	38·9	-	55	18,19	28	16,24	-	-	2·69	68	-	·59	11	24	17	11	5	1	0	0	15	-	3·33	-	28
	Thetford ..	9 9 9	99	44·9	30·4	37·7	-	55	18,19	19	29	39·5	41·0	3·76	95	-	·78	14	19	17	13	0	1	3	2	24	-	3·20	-	27
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	44·0	35·1	39·5	-2·7	53	17,18	28	10	41·3	43·6	2·16	55	125	·42	11	17	11	11	0	4	1	1	5	0	4·47	108	38
Suffolk	Bungay (Flix'n) ..	9 9 9	79	44·8	32·8	38·8	-3·3	56	20	27	16,23	-	-	2·75	70	-	·34	20	20	17	4	4	2	2	0	20	-	-	-	-
	Copdock	9 9 9	164	45·2	33·2	39·2	-2·6	56	20	26	10	39·7	42·3	2·77	70	-	·46	11	20	15	7	0	1	1	1	16	-	3·49	86	30
	Felixstowe Aero.	18–7 7	15	44·4	35·0	39·7	-2·4	50	18,20	27	23	-	-	2·02	51	135	·56	11	19	11	10	3	5	1	3	11	0	4·16	93	35
	Hartest	9 9 9	250	45·2	32·1	38·7	-	55	20	26	16	-	-	3·52	89	-	·90	11	17	15	11	(6)	1	0	0	22	-	3·49	-	30
	Lowestoft ..	9 9 9	82	44·4	34·0	39·2	-2·7	54	18	27	16,23	40·5	41·8	2·01	51	124	·38	14	18	10	9	1	2	0	1	15	0	4·06	89	34
	Mildenhall ..	18–7 7	19	45·6	33·3	39·5	-	57	20	27	23	-	-	2·91	74	-	·75	14	20	14	12	4	1	2	4	19	0	3·37	-	29
Cambridge	Cambridge ¶§	2121 9	41	45·4	32·3	38·9	-3·4	56	18,20	24	16	40·1	42·9	3·52	89	242	·70	6	17	15	10	5	2	2	3	21	0	3·06	79	26
	(Bot. Gdns.)																													
	(Univ. Farm) ..	9 9 9	78	44·6	33·0	38·8	-	55	18,19	26	10	-	-	3·27	83	-	·65	6	19	15	8	5	0	1	1	22	0	3·28	-	28
Bedford	Luton	9 9 9	381	44·1	32·3	38·2	-3·5	56	20	22	10	40·1	43·1	3·44	87	-	·60	10	16	12	-	-	-	-	3	19	-	3·10	75	26
	Woburn	9 9 9	291	44·0	31·5	37·7	-3·6	54	20	20	10	38·9	44·3	3·27	83	189	·69	6	21	14	13	8	1	3	1	18	-	3·36	90	28
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	42·9	32·2	37·5	-3·8	53	20	23	10	38·2	-	3·13	79	156	·52	10	13	13	11	5	1	1	2	21	0	3·37	86	29
	St. Albans ..	9 9 9	272	44·8	32·3	38·5	-3·4	55	20	23	10	39·4	-	3·04	77	161	·50	10	20	14	0	0	0	0	1	17	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	44·0	34·7	39·3	-2·2	49	18,19,25	27	23	41·3	43·3	2·57	65	167	·39	11	20	15	8	1	1	0	0	8	-	4·15	96	35
	Chelmsford ..	9 9 9	134	45·6	32·8	39·2	-3·1	59	20	25	23	-	-	2·48	63	143	·48	10	16	12	4	0	1	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	46·0	32·6	39·3	-	59	20	24	23	-	-	2·47	63	-	·46	10	15	13	7	0	0	1	-	17	-	3·57	-	30
	Earls Colne ..	9 9 9	168	45·5	34·1	39·8	-3·0	56	20	26	10,16	-	-	4·14	105	-	·95	14	21	17	8	2	1	0	-	-	-	-	-	-
	Halstead ..	9 9 9	140	46·5	32·9	39·7	-2·8	56	20	25	10,23,29	-	-	3·41	87	-	·61	10	17	12	15	2	1	1	0	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	46·3	34·3	40·3	-2·2	55	20	27	16,23	-	-	2·34	59	175	·48	11	20	14	11	1	0	0	0	18	0	4·01	89	34
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	43·8	32·5	38·1	-	58	20	25	1,16,23	-	-	2·22	56	-	·47	11	17	13	10	3	2	4	0	22	-	2·35	-	20
	Bingley	9 9 9	610	40·0	30·4	35·2	-	53	18	23	1,16,26	-	-	2·47	63	-	·48	11	22	13	20	14	2	0	8	23	-	-	-	-
	Bradford ..	9 9 9	439	41·0	31·0	36·0	-4·3	53	18	23	1,16,26	36·0	39·8	3·31	84	136	1·22	11	22	13	-	-	-	-	6	23	-	1·99	70	17
	Doncaster ..	9 9 9	30	44·5	30·8	37·7	-	56	18,19	22	16	-	-	2·09	53	-	·68	11	22	12	9	6	1	1	5	28	-	2·60	-	22
	Giggleswick ..	9 9 9	575	41·2	30·2	35·7	-4·0	51	18	21	16	-	-	1·83	47	-	·33	16	20	13	17	10	1	0	0	-	1	2·64	85	22
	Harrogate ¶§	9 9 9	478	40·8	31·1	35·9	-3·6	53	18	24	26	37·3	39·4	2·32	59	100	1·01	11	20	12	18	20	3	1	7	21	0	2·60	76	22
	Huddersfield ..	2121 9	325	41·4	31·1	36·3	-4·5	55	18	19	26	36·6	40·2	2·60	66	106	1·07	11	20	14	6	18	0	1	4	24	-	1·93	70	16
	,, (Oakes)	9 9 9	761	41·4	30·4	35·9	-4·9	52	18	24	1,16	36·1	39·4	4·08	104	146	1·85	11	22	19	15	22	0	1	9	22	0	-	-	-
	Meltham .. **	9 9 9	514	41·2	30·2	35·7	-4·6	54	18	21	10,16	36·6	34·1	4·16	106	110	1·50	11	21	17	18	15	2	1	6	28	-	-	-	-
	Pontefract ..	9 9 9	255	41·8	31·7	36·7	-5·4	52	18,19	25	16	-	-	2·02	51	125	·66	11	19	13	-	-	-	-	7	23	-	-	-	-
	Sheffield	9 9 9	428	41·9	32·4	37·1	-4·6	53	18,20	25	16	36·5	39·2	3·34	85	139	1·35	11	19	13	-	-	-	-	-	18	-	2·53	86	21
	Wakefield ..	9 9 9	124	44·1	31·6	37·9	-3·8	57	18	21	26	38·1	41·3	2·41	61	133	1·14	11	22	11	17	11	15	2	6	23	-	1·84	69	168
Derby	Belper (School) ..	9 9 9	222	44·1	31·2	37·7	-3·6	55	17	23	1,16,26	-	-	2·40	61	103	1·05	11	14	11	11	5	1	2	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	38·8	28·9	33·9	-4·8	49	18,20	18	16	35·3	37·5	4·36	111	105	·88	11	23	17	18	21	0	2	5	24	-	2·22	77	19
Nottingham	Attenborough ..	18 7 7	8	44·5	31·2	37·9	-	56	20	23	1,29	39·6	43·5	2·20	56	-	·87	11	18	12	14	5	2	1	6	21	0	-	-	-
	Mansfield ..	9 9 9	357	43·4	31·6	37·5	-4·5	54	17,18,20	25	26	-	-	2·02	51	-	·64	11	17	13	16	13	2	1	3	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft.

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

†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS MARCH, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham	Nottingham ¶§	9 9 9	192	44·2	33·1	38·7	-3·2	55	17	27	1,24	37·1	39·6	1·69	43	100	·66	11	16	11	-	-	-	-	5	24	-	2·81	86	24
cont.	Sutton Bon'gton	9 9 9	157	44·7	30·5	37·6	-4·1	55	17	20	26	38·6	-	2·66	68	183	·70	11	16	12	9	3	1	1	3	21	-	2·86	77	24
	Worksop ..	9 9 9	56	44·5	31·1	37·8	-4·4	55	17,19	23	26	39·1	42·6	1·78	45	105	·55	11	19	8	10	7	4	1	-	25	0	3·01	76	26
Leicester	Belvoir Castle ..	2121 9	259	42·9	32·6	37·7	-3·4	54	19	24	16,23	40·1	42·6	2·80	71	155	·46	16	21	16	-	-	-	-	-	21	-	2·96	81	25
	Leicester ..																													
Northampton	Oundle	9 9 9	147	43·9	31·8	37·9	-3·4	54	17,19	23	16	39·3	42·1	3·36	85	-	·68	11	24	16	10	1	1	4	2	16	-	3·37	92	29
Warwick	Birmingham ¶§	18-7 7	535	42·5	32·9	37·7	-4·6	54	17	27	1,10	38·6	43·3	2·64	67	137	·48	11	17	14	16	6	3	3	2	21	0	2·89	93	24
	,, Sparkhill	713 7	425	44·0	31·5	37·7	-3·8	56	17	22	10	-	-	3·07	78	153	·53	16	16	14	14	9	6	2	4	24	-	-	-	-
	Coventry	9 9 9	241	44·5	31·5	38·0	-4·3	56	17	23	16	40·0	42·7	2·65	67	143	·38	10	18	14	7	4	3	0	2	20	-	2·62	81	22S
	Rugby	2121 9	390	43·8	30·0	36·9	-4·4	55	20	22	10	-	-	2·45	62	-	·39	10	19	14	4	6	2	1	-	24	-	2·89	-	25
	Stratford-on-Avon	9 9 9	210																											
Oxford	Oxford .. ¶§	9 9 9	208	45·9	33·3	39·6	-3·2	56	20	27	10	40·3	43·0	3·05	77	185	·46	10	16	13	10	2	5	0	2	20	0	3·22	86	27
Bucks	Halton	9 9 9	544	44·0	32·0	38·0	-	55	20	23	10	39·0	42·1	3·71	94	-	·64	10	19	12	13	14	1	0	0	19	-	3·07	-	26
	Mursley	9 9 9	490	43·8	31·3	37·5	-4·3	54	17,20,21	20	10	38·5	-	3·09	79	171	·54	17	17	13	-	-	-	-	-	-	-	3·10	77	26
Stafford	Market Drayton	9 9 9	581	42·2	30·5	36·3	-	52	20	22	10	-	-	2·02	51	-	·39	16	18	14	15	8	6	3	4	23	-	3·00	-	25
	Mayfield	9 9 9	374	42·5	30·8	36·7	-3·6	52	18,20	19	1	-	-	2·68	68	105	·69	11	16	13	13	8	6	2	-	23	-	2·85	85	24S
Shropshire	Newport	9 9 9	211	43·4	31·6	37·5	-	53	17	20	1	-	-	1·82	46	100	·48	16	19	12	9	5	2	2	3	22	-	2·75	-	23
	Shrewsbury ..	9 9 9	184	44·2	32·0	38·1	-3·8	53	17,18	24	28	39·9	43·2	1·75	44	-	·24	16	20	12	8	5	3	2	1	25	0	2·66	-	22
Worcester	Malvern	9 9 9	380	43·7	33·1	38·4	-4·2	54	17,18	21	10	38·6	40·9	2·94	75	152	·83	16	19	12	7	8	0	2	3	24	-	3·44	91	29
	Worcester ..	9 9 9	94	45·4	32·2	38·8	-3·8	56	17	25	10,16	-	-	2·41	61	-	·70	16	16	11	12	2	3	2	-	22	-	3·13	-	27
	(Perdiswell)																													
Hereford	Bromyard ..	9 9 9	393	44·0	31·9	37·9	-3·8	54	18	23	10	39·2	41·9	3·18	81	-	·90	11	19	13	8	5	2	2	7	22	-	-	-	-
	Hereford ..	9 9 9	292	44·3	32·1	38·2	-3·7	53	18	26	10,16,24	-	-	3·41	87	173	1·01	16	20	12	4	3	0	1	1	20	0	-	-	-
	Ross-on-Wye ¶§	18-7 7	223	44·8	33·6	39·2	-4·0	55	17	25	10	40·0	43·0	4·11	105	201	·99	16	16	14	10	4	2	3	2	22	0	3·27	88	28
Gloucester	Bristol (Horfield)	18-7 7	206	45·9	33·0	39·5	-	54	17,18	23	10	41·3	43·5	3·29	84	-	·41	13	21	15	8	6	6	1	0	20	0	-	-	-
	Cheltenham ..	2121 9	214	45·5	32·6	39·1	-3·8	55	17	21	10	40·1	42·9	3·78	96	196	·54	13	19	16	13	3	4	3	1	23	0	3·40	90	29
	Cirencester ..	9 9 9	443	44·0	31·2	37·6	-3·4	53	17	23	10,16	-	-	3·85	98	-	·55	13	20	16	7	5	4	1	1	26	-	3·50	89	30
	Parkend	9 9 9	325	43·6	31·2	37·4	-	53	17	24	16	39·4	42·0	4·36	111	-	·73	16	18	15	9	8	1	2	2	21	-	2·92	-	25
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2·91	109	25
	Camden Square ..	9 9 9	110	46·3	34·8	40·5	-3·2	59	20	28	10	39·9	43·6	2·96	75	160	·63	6	20	15	6	0	0	0	-	18	-	-	-	-
	East Ham ..	9 9 9	15	46·3	34·7	40·5	-2·4	58	20	27	10	-	-	2·79	71	169	·36	6,10	16	14	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	46·2	33·9	40·1	-3·0	56	20	25	10	-	42·2	2·19	61	130	·44	10	18	14	9	1	2	1	2	16	-	3·21	89	27
	gGreenwich ..	2424 9	149	46·9	33·4	40·1	-3·1	61	20	24	10	41·0	43·5	2·92	74	168	·65	6	18	13	12	1	1	0	1	25	0	2·96	87	25
		21 9 -	—	46·8	34·0	40·4																								
	Hampstead ..	9 9 9	450	44·0	32·0	38·0	-3·9	55	20	25	10	-	-	2·95	75	-	·63	6	20	13	12	12	0	1	-	26	-	3·19	91	27
	Kensington ..	18-9 9	80	45·8	35·0	40·4	-4·1	55	17,18,20	27	10	41·1	43·4	2·89	73	160	·63	6	20	14	6	1	0	1	2	19	0	3·11	-	26
	Kingsway ..	—	—	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3·04	-	26
	Regent's Park ..	9 9 9	129	45·9	34·5	40·2	-	57	20	27	10	-	-	2·94	75	-	·44	7	19	15	4	0	0	0	2	15	-	2·88	102	24
	Kew ¶§	242424	18	45·3	34·5	39·9	-3·2	55	20	26	10	40·3	43·5	2·76	70	163	·61	7	18	11	10	1	2	1	2	17	0	3·64	104	31
	Observatory ..	18-7 -	—	45·4	35·0	40·2	-3·7																							
	Tottenham ††¶§	2121 9	51	46·5	35·2	40·9	-2·8	56	20	27	10	-	44·5	2·51	64	145	·47	10	16	12	7	0	0	0	-	10	-	3·05	95	26
	Westminster ..	9 9 9	27	46·9	35·8	41·3	-2·8	57	20	27	10	-	-	2·85	73	177	·68	6	18	14	7	0	0	1	-	16	-	3·12	105	26
Surrey	Addington ..	9 9 9	472	44·1	33·1	38·6	-3·1	55	20	25	10	-	-	3·86	98	-	·81	6	19	17	6	6	0	0	2	-	-	-	-	-
	Croydon	18-7 7	217	45·6	34·3	39·9	-3·6	56	20	23	10	-	-	3·25	83	159	·43	6,16	18	14	13	5	2	2	2	12	0	3·37	86	29
	Wisley	9 9 9	150	45·8	33·2	39·5	-3·2	56	17	23	10	40·8	-	3·49	89	-	·95	6	21	14	6	4	0	1	0	21	0	3·33	91	28S
Kent	Biggin Hill ..	18-7 7	567	43·3	33·4	38·3	-3·7	53	18,20	24	10	-	-	3·80	97	149	·63	16	22	17	14	7	10	0	5	21	0	3·53	82	30
	Bromley	9 9 9	213	46·1	33·5	39·8	-	57	20	25	10	-	-	3·30	84	178	·56	6	19	16	6	4	1	0	0	22	-	-	-	-
	Canterbury ..	9 9 9	135	47·0	33·9	40·5	-2·6	59	20	24	10	41·6	43·1	4·70	119	-	·55	5	22	18	-	-	-	-	-	15	-	-	-	-
	Dover	9 9 9	22	46·0	36·5	41·3	-1·4	53	18,19	28	10	42·4	44·1	5·20	132	-	·68	6	21	18	7	3	1	0	0	6	0	4·73	110	40
	Dungeness ..	18-7 7	20	46·3	35·7	41·0	-1·7	57	14	25	23	-	-	3·36	85	190	·45	11	18	16	7	1	3	1	1	-	0	-	-	-
	East Malling ..	9 9 9	132	45·5	32·8	39·1	-3·4	56	20	24	10	-	-	3·26	83	-	·44	6	19	16	10	2	1	0	1	23	0	3·38	80	29
	Folkestone ..	9 9 9	101	45·6	35·5	40·5	-2·3	52	17,20,25	28	10	-	45·0	4·92	125	-	·77	6	23	17	9	4	3	1	0	15	-	4·34	100	37
	Goudhurst ..	9 9 9	290	45·4	32·3	38·9	-	55	20	21	10	-	-	4·32	110	-	·60	13	22	17	7	4	2	1	1	21	-	-	-	-
	Lympne	18-7 7	346	44·7	34·0	39·3	-2·6	54	18	26	10	-	42·8	3·59	91	169	·59	11	22	19	11	8	3	1	2	18	0	3·94	83	34
	Manston	18-7 7	142	45·2	35·1	40·1	-	55	18,20	27	16	-	-	3·50	89	-	·44	6	21	14	7	1	2	0	1	12	0	4·20	-	36
	Margate .. ¶§	9 9 9	51	45·7	37·0	41·3	-2·0	56	20	32	9	41·5	43·3	3·22	82	204	·44	6	19	14	7	0	2	0	0	2	0	4·12	92	35
	Tunbridge W. ..	9 9 9	355	45·6	31·9	38·7	-3·4	56	20	18	10	39·8	42·4	4·34	110	-	·82	6	18	16	12	5	3	0	0	20	0	3·58	89	30
	Wye	9 9 9	164	46·1	33·9	40·0	-2·3	56	20	24	10	-	-	5·75	146	-	1·04	20	22	17	8	0	0	0	-	20	0	3·65	81	31
Sussex	Ardingly ..	9 9 9	437	45·3	33·0	39·1	-2·9	54	18	22	10	-	-	4·45	113	-	·84	6	19	16	5	5	1	0	-	19	-	-	-	-
	Beachy Head ..	18-7 7	502	44·9	34·2	39·5	-2·2	49	18,20	28	23	-	-	3·77	96	-	·61	11	17	13	8	0	1	1	0	-	-	-	-	-
	Brighton ..	9 9 9	32	46·0	35·7	40·9	-1·4	52	20	26	10	-	44·1	3·63	92	181	·60	6	15	11	4	1	1	1	0	15	0	4·00	89	34
	Eastbourne ..	2121 9	35	46·5	36·1	41·3	-1·9	54	18	26	10	42·6	45·1	4·36	111	194	·73	6	17	12	4	1	2	2	0	14	-	4·38	96	37
	Hastings ¶§	2121 9	149	46·1	35·6	40·9	-2·2	52	14,20	27	10	42·6	45·3	4·49	114	211	·93	11	15	12	5	2	0	0	0	11	0	4·29	92	35
Berkshire	Ascot H'therw'd	2121 9	300	45·6	32·2	38·9	-3·8	56	19	19	10	-	-	3·43	87	-	·77	6	21	12	13	10	0	1	0	20	-	3·59	86	30
	Reading	9 9 9	152	46·5	33·5	40·0	-2·9	57	20	24	10	40·3	43·6	3·44	87	-	·78	6	18	13	11	2	0	1	-	22	0	-	-	-
	Shinfield ..	9 9 9	200	45·9	32·5	39·2	-3·5	54	18,20	24	10	-	-	3·89	99	-	·83	6	17	14	10	3	0	1	-	-	-	-	-	-
	Warfield	9 9 9	220	45·3	32·8	39·1	-	54	17,18,20	23	10	39·7	-	4·16	106	-	·95	6	17	15	5	0	0	0	4	17	-	3·53	-	30

†† 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 MARCH, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER Number of days									BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale		Percentage	
		Max. Min. Rain		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	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
5 ENGLAND, S.E.—*cont.*																														
Hampshire	Bournemouth ..	9 9 9	139	47·2	34·7	40·9	-2·5	55	18	29	24,30	41·7	43·4	3·78	96	162	·74	10,13	19	12	7	0	1	0	3	-	-	4·12	93	35
	Calshot	18–7 7	8	46·0	36·3	41·1	-2·4	52	18	28	10	-	-	3·17	81	187	·80	6	16	12	7	1	3	0	0	14	0	4·43	*94*	38
	Leckford ..	9 9 9	385	44·6	32·2	38·4	-	52	17,18	22	10	39·3	-	3·58	91	-	·75	11	17	13	7	4	0	-	0	-	-	4·16	-	35
	Long Sutton ..	9 9 9	479	44·3	31·9	38·1	-4·0	52	17,18,20	20	10	39·6	-	4·61	117	-	1·19	6	16	14	7	5	2	0	1	16	-	(3·80)	(85)	(32)
	Southamp'n ¶§	2121 9	64	46·7	34·7	40·7	-2·8	55	19	27	10	-	-	3·89	99	170	·72	6	15	13	5	2	0	0	1	17	1	4·34	107	37
	S. Farnboro' ..	18–7 7	237	45·7	32·9	39·3	-3·6	55	18,20	21	10	-	-	4·06	103	202	1·23	6	17	16	10	9	2	0	3	20	0	3·35	*85*	28
I. of Wight	Newport	9 9 9	48	48·0	33·7	40·9	-2·6	56	18	22	10	-	-	4·40	112	-	1·04	13	16	13	6	1	1	0	2	24	0	-	-	-
	Ryde	9 9 9	13	46·9	36·4	41·7	-2·0	55	18	27	10	-	-	3·55	90	-	·72	6,13	18	12	3	0	0	1	0	-	0	4·08	*99*	35
	Sandown ..	9 9 9	13	46·6	36·4	41·5	-2·4	52	18,25	28	10	-	-	3·97	101	-	·88	6	16	13	4	2	0	0	0	-	-	4·68	101	40
	Totland Bay ..	9 9 9	140	45·9	35·8	40·9	-2·4	52	18	28	10	-	-	3·03	77	145	·63	6	16	12	5	0	1	0	0	14	0	4·47	99	38
	Ventnor (Hospital)	9 9 9	59	46·9	36·6	41·7	-2·6	54	18	29	10	-	-	4·34	110	212	1·22	6	16	13	5	2	2	0	-	-	0	4·78	102	41
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	44·3	32·8	38·5	-	53	17	24	10	-	-	4·13	105	-	·69	16	16	13	8	7	3	0	1	16	0	4·14	-	35
	Larkhill	9 9 9	440	44·8	32·2	38·5	-3·6	53	18	23	10	-	-	3·84	97	199	·89	16	16	12	7	3	4	0	0	21	0	-	-	-
	Marlboro' ¶§	9 9 9	424	44·5	31·8	38·1	-3·1	54	20	25	10,28,30	40·4	44·8	4·43	113	176	·72	10	18	14	8	5	0	0	0	22	0	3·45	100	29
	Porton	9 9 9	363	45·5	31·7	38·6	-3·3	54	18	21	10	39·4	-	4·17	106	212	·72	10	16	13	9	7	2	0	0	20	0	4·37	*98*	37
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	43·8	31·3	37·5	-4·0	56	19	20	22	36·9	41·0	3·05	77	68	·60	16	16	13	12	18	0	0	0	22	2	2·51	*75*	21
	Newton Rigg ¶§	2121 9	560	41·1	29·7	35·4	-4·3	51	18	18	22	-	-	1·82	46	65	·73	16	21	11	19	14	0	0	0	22	0	2·25	66	19
Westmorland	Ambleside	9 9 9	145	43·5	31·6	37·5	-	54	18	23	16	-	-	3·30	84	-	·83	16	17	11	13	3	3	0	0	-	-	2·60	-	22
	Appleby	9 9 9	440	42·0	29·7	35·9	-4·2	53	18	18	26	-	-	1·85	47	69	·27	2,16	14	13	13	11	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	42·9	32·3	37·6	-3·8	53	18	24	1	37·9	40·5	1·94	49	62	·24	17	20	13	9	9	0	0	-	20	-	2·25	99	19S
	Burnley	9 9 9	458	41·6	31·1	36·3	-3·8	54	18	20	1	37·5	39·9	1·99	51	-	·43	16	23	17	14	8	0	0	1	25	-	2·31	*87*	20
	Darwen	2121 9	724	40·2	31·0	35·6	-4·1	52	18,20	23	1	37·6	39·8	2·42	61	62	·35	16	22	14	20	6	3	0	3	22	-	2·18	*78*	18S
	Hutton	9 9 9	82	43·8	32·1	37·9	-3·6	55	18	23	1	38·8	42·2	1·40	35	-	·18	17	16	13	9	7	0	0	0	(23)	0	2·55	*76*	22
	Lancaster ..	9 9 9	312	44·3	32·1	38·2	-3·6	54	18,20	26	1,22,26	36·9	39·4	1·56	40	49	·32	16	16	13	7	2	2	0	1	23	-	2·69	75	23
	Leyland	9 9 9	125	44·2	31·4	37·8	-3·8	55	18	20	1	-	-	1·38	35	53	·20	16	17	11	4	7	2	0	0	23	-	2·61	*78*	22
	Manchester (Barton) ..	18–7 7	70	43·7	32·5	38·1	-	46	20	22	1	-	-	1·25	32	-	·22	17	16	10	13	2	2	1	5	23	0	2·36	-	20
	(Oldham Road)	2121 9	191	43·7	34·5	39·1	-3·6	55	20	27	1	38·0	42·2	1·31	33	51	·31	17	17	12	12	-	2	0	-	13	-	1·99	83	17S
	(Whitworth Pk.)	2121 9	125	44·0	33·7	38·9	-3·6	56	20	25	1	-	-	1·35	34	60	·28	17	17	12	-	-	-	-	7	18	-	1·88	77	16
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	44·9	33·4	39·1	-2·9	56	20	26	28	39·1	42·9	1·24	31	55	·19	16	18	12	11	3	4	2	0	17	1	3·42	88	29
	Stonyhurst ¶§	9 9 9	377	42·0	32·1	37·1	-3·7	52	18,19	26	16	-	-	1·79	45	48	·30	16	23	14	17	7	2	0	2	22	0	3·01	91	25
Cheshire	Bidston Obs'y ..	9 9 9	198	43·1	33·6	38·3	-3·8	52	17,18	29	10,11,22	-	-	1·31	33	69	·26	16	14	10	8	3	2	2	12	12	0	3·40	99	29
	Hoylake	9 9 9	23	44·7	33·2	38·9	-3·8	55	17,18	25	28	-	-	1·58	40	85	·34	11	15	10	4	2	2	0	-	21	-	3·44	92	29
	Macclesfield ..	9 9 9	500	42·4	30·8	36·6	-4·0	54	18	16	1	-	-	2·22	56	84	·36	17	16	12	11	14	0	1	1	-	-	-	-	-
	West Kirby ..	9 9 9	25	44·3	33·3	38·8	-4·0	54	17,18	26	28	-	-	1·80	46	97	·39	11	16	9	16	4	5	2	0	24	-	3·45	*86*	29
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	45·3	33·0	39·1	-3·8	55	18	26	28	-	-	2·11	54	-	·43	16	18	14	7	2	3	1	2	-	-	-	-	-
	Rhyl	9 9 9	31	44·6	33·8	39·2	-3·5	54	17	25	10	-	-	1·84	47	106	·26	16	17	14	8	3	4	1	0	15	0	3·49	89	30
	Sealand .. ¶§	18–7 7	16	44·5	32·9	38·7	-3·9	55	17,18	26	16,28,29	40·5	43·5	1·95	50	110	·33	16	15	13	9	2	5	2	4	20	0	3·12	*85*	26
Anglesey	Holyhead ¶§	18–7 7	26	44·9	36·8	40·9	-3·2	56	20	30	10	-	-	1·54	39	59	·25	14	19	11	8	0	4	0	0	9	2	4·14	103	35
Denbigh	Colwyn Bay ..	9 9 9	118	44·7	34·2	39·5	-3·9	55	20	28	10,29	-	-	1·75	45	78	·39	16	18	10	4	1	4	0	0	-	-	3·68	*95*	31
Carnarvon	Aber	9 9 9	60	44·7	34·6	39·7	-4·6	55	17	29	10	-	-	3·62	92	-	1·93	16	23	14	9	7	1	0	-	21	2	3·61	*89*	31S
	Llandudno ..	9 9 9	13	44·7	34·8	39·7	-3·7	55	20	27	10	-	-	1·61	41	79	·29	2	19	12	5	1	6	0	1	14	0	3·85	98	33
Montgomery	Welshpool ..	9 9 9	254	44·6	31·6	38·1	-3·8	55	18	24	10,28,30	-	-	1·83	47	82	·30	16	16	11	9	6	0	0	1	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	45·4	35·1	40·3	-2·6	54	17,20	28	10	-	-	2·19	56	-	·65	16	19	16	4	0	3	1	0	-	-	4·75	119	40
	„ P.B.S.†	9 9 9	452	43·3	33·1	38·2	-4·5	52	17,19	26	10	-	-	1·76	45	-	·44	16	20	10	8	4	5	1	0	19	1	4·76	*116*	40
	Ciliau Aeron ..	9 9 9	252	45·7	35·4	40·5	-	54	17,18	24	10	-	-	2·91	74	-	·49	16	19	16	9	1	5	1	0	-	1	4·06	-	34
Pembroke	Haverfordwest ..	2121 9	233	45·8	33·9	39·9	-2·9	54	17,19	26	10	-	-	3·98	101	-	·72	1	22	15	6	4	5	1	0	-	-	4·03	*94*	34
	St. Ann's Hd. ¶§	18–7 7	142	45·0	35·9	40·5	-3·7	50	19	29	11	-	-	2·74	70	107	·58	20	17	15	7	0	6	0	0	0	6	3·35	81	28
Radnor	Llandrindod Wells	9 9 9	772	43·5	30·4	36·9	-	51	17,18	19	10	-	-	2·89	73	-	·51	18	19	17	15	9	0	1	0	-	0	3·00	-	25
	Rhayader ¶§	9 9 9	757	42·0	30·1	36·1	-4·1	51	17	16	10	-	-	3·16	80	72	·74	16	22	15	12	18	0	0	1	19	0	2·73	*79*	23
Brecknock	Cantref	9 9 9	1080	39·0	30·0	34·5	-	46	17	19	10	-	-	4·88	124	-	·94	16	22	15	14	16	1	2	0	-	-	3·44	-	29
Glamorgan	Cardiff	2121 9	202	45·4	36·5	40·9	-1·7	56	19	26	10	40·0	43·8	3·72	94	118	·74	17	21	15	5	2	0	1	0	15	0	3·42	*89*	29
	Swansea	9 9 9	32	45·9	35·5	40·7	-3·2	51	18	30	9,24,29	41·4	48·1	2·66	68	-	·45	16	21	16	6	1	0	0	0	18	-	3·85	*100*	33
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	45·0	33·1	39·1	-4·5	52	18	25	10	39·8	43·2	4·33	110	-	·89	17	18	16	-	-	-	-	0	-	-	3·49	-	30
	Usk	9 9 9	70	44·8	31·8	38·3	-4·2	54	18	20	10	41·1	-	5·31	135	-	·96	16	18	16	6	6	0	1	0	21	0	3·01	*83*	25
Somerset	Bath .. ¶§	9 9 9	67	46·5	33·7	40·1	-3·0	55	18,19	25	10	41·5	44·5	4·49	114	197	·75	10	18	15	8	2	1	0	0	-	0	3·62	*92*	31
	Cannington ..	9 9 9	95	46·4	34·1	40·3	-	55	19	25	10	-	-	4·18	106	-	·75	10	21	16	8	1	2	2	0	20	0	3·51	-	30
	Long Ashton ..	9 9 9	162	46·2	33·0	39·6	-3·9	54	17,18,19	24	10	-	-	3·48	88	138	·57	17	17	16	10	3	2	2	0	22	0	3·94	*96*	33

† Plant Breeding Station. ¶§ 8 *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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
8b ENGLAND, S.W.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
Dorset	Holton Heath ..	9 9 9	64	47·2	33·9	40·5	-2·8	54	18,19	24	10	41·1	43·8	3·79	96	-	·80	10	20	13	8	2	3	0	1	19	0	4·09	91	35
	Portland Bill ..	18–7 7	32	45·5	38·3	41·9	-2·2	50	17,19,27	31	9	-	-	3·85	98	204	·87	10	15	11	2	0	0	0	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	43·6	32·6	38·1	-3·3	51	18	28	1,10,24	-	-	4·14	105	175	·74	13	22	14	10	9	1	0	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	44·6	33·2	38·9	-3·2	53	19	25	10	-	-	3·98	101	99	·57	14	22	16	11	7	8	0	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	46·3	33·4	39·9	-3·4	54	18	21	24	42·2	-	4·96	126	180	·99	17	21	19	6	1	0	0	2	22	-	3·42	85	29
	Ilfracombe ..	9 9 9	25	47·4	37·2	42·3	-2·6	55	18,19	29	10	42·5	46·8	3·46	88	126	·43	13	21	16	3	0	1	0	0	3	-	4·25	107	36
	Killerton ..	9 9 9	159	50·5	34·0	42·3	-1·2	56	19	26	3,6	-	-	4·70	119	-	·83	17	21	18	-	-	-	-	0	19	-	-	-	-
	Moretonhampstead	9 9 9	798	43·0	33·0	38·0	-	51	19	25	10	39·9	43·0	7·56	192	-	1·05	10	21	17	12	7	3	0	2	17	0	3·90	-	33
	Newton Abbot ..	9 9 9	375	46·1	34·8	40·5	-3·4	53	19	28	10	-	-	6·01	153	204	·92	13	20	16	7	3	3	0	0	16	-	4·35	100	37
	Paignton ..	9 9 9	12	47·3	35·4	41·3	-3·0	55	18,19	26	6	-	-	6·16	157	-	1·13	6	21	18	8	1	4	1	0	16	-	4·35	104	37
	Plymouth (Hoe)	2121 9	117	47·8	36·3	42·1	-2·4	53	19	29	24,27	42·7	45·8	4·84	123	166	·65	13	21	18	5	3	3	1	0	16	1	4·49	103	38
	Plymouth (Mount Batten) ..	18–7 7	82	46·9	37·0	41·9	-2·8	52	18,19,27	29	27	-	-	4·94	125	-	·78	13	20	18	6	1	5	1	0	11	1	4·50	100	38
	Princetown ..	9 9 9	1430	40·4	30·5	35·5	-3·7	48	19	23	9	-	-	7·72	196	113	·95	10	21	20	10	9	2	0	7	18	-	-	-	-
	Sidmouth ..	9 9 9	25	46·9	35·4	41·1	-2·4	52	27	28	6,10	-	-	4·62	117	-	·99	13	19	15	9	0	2	1	0	-	-	4·20	-	36
	Tavistock ..	9 9 9	457	45·5	34·9	40·2	-3·1	52	31	27	6	-	44·0	5·40	137	140	·79	10	21	18	6	3	5	2	0	19	2	-	-	-
	Teignmouth ..	9 9 9	20	47·4	36·7	42·1	-2·4	54	18,19	29	6	-	-	5·70	145	220	·97	13	22	17	8	1	4	0	0	-	-	4·35	100	37
	Torquay	9 9 9	27	47·2	35·6	41·4	-3·3	54	18,19	29	6,24,27	-	45·3	5·78	147	210	1·05	6	22	18	7	2	2	1	0	13	0	4·53	101	38
Cornwall	Falmouth Obs. ¶§	9 9 9	167	48·3	37·6	42·9	-1·9	55	19,20	29	9	42·6	46·7	4·89	124	141	1·00	13	19	15	3	0	5	1	0	12	-	4·69	107	40
	Fowey	9 9 9	51	49·2	36·8	43·0	-2·3	56	20	30	27	-	-	4·60	117	-	·87	13	18	18	4	0	4	0	0	-	-	4·55	107	39
	Gulval	9 9 9	20	49·1	37·8	43·5	-2·0	55	20	30	9	-	-	6·16	156	-	1·35	13	20	18	4	0	3	1	-	8	-	4·72	105	40
	The Lizard ..	18–7 7	240	47·6	38·8	43·2	-	53	20	31	9	-	-	4·88	124	-	1·44	13	22	19	3	0	3	1	0	-	2	-	-	-
	Newquay ..	9 9 9	190	47·1	37·6	42·3	-1·8	54	19	30	3,9	43·0	46·3	4·61	117	189	·75	13	20	17	1	0	4	3	0	-	0	4·53	102	38
	Redruth	9 9 9	397	46·6	35·8	41·2	-2·4	53	18,19,20	30	3,9	-	-	6·17	157	172	1·27	13	23	17	3	1	5	0	1	16	1	-	-	-
9 IRELAND, N.																													
Sligo	Markree Cas. ¶§	2121 9	122	46·0	31·5	38·7	-3·7	54	19,20	19	9	40·4	42·9	1·60	41	46	·34	19	18	13	7	16	5	0	1	-	0	4·21	124	36
Mayo	Blacksod Pt. ¶	18–7 7	18	44·9	37·1	41·0	-4·0	51	19	-	-	-	-	1·61	41	39	·25	11,16	21	14	-	-	-	-	-	-	-	-	-	-
	Mallaranny §	9 9 9	113	46·6	34·0	40·3	-3·8	55	19,20	28	10	-	-	2·05	52	-	·38	15	20	19	-	-	-	-	0	-	-	4·62	130	39
Donegal	Malin Head ¶§	18–7 7	84	42·8	36·5	39·7	-3·6	49	17,18	29	9,10	-	-	·96	25	42	·19	16	16	11	7	0	8	0	0	-	0	4·61	122	39
Antrim	Aldergrove ..	18–7 7	238	43·2	32·0	37·6	-	51	18,19	24	29	-	-	2·71	69	108	·54	11	23	12	16	5	5	0	0	21	0	4·23	-	36
Down	†Donaghadee ..	8 8 8	30	44·1	34·8	39·5	-2·1	49	18,25	31	13,15,26	-	-	2·92	74	132	·81	12	21	13	-	-	-	-	0	-	-	3·90	-	33
	Hillsborough ..	9 9 9	388	41·5	31·3	36·4	-	49	19	27	8,10,15	38·6	-	2·91	74	-	·58	12	21	13	11	19	2	0	0	19	0	3·71	-	31
Armagh	Armagh .. ¶§	2121 9	204	44·6	31·8	38·2	-3·9	52	18	24	9	39·1	41·7	2·29	58	97	·59	16	18	13	10	5	2	0	0	21	0	3·45	99	29
Longford	Newtownforbes ..	2121 9	154	44·2	31·4	37·8	-4·1	53	17	21	9	39·2	41·7	2·12	54	72	·75	19	8	8	7	2	5	1	-	-	-	-	-	-
10 IRELAND, S.																													
Dublin	Dublin City .. ¶	2121 9	54	43·9	34·2	39·1	-4·8	51	17,20	28	10	-	-	3·59	91	186	·62	16	23	15	6	3	2	0	2	22	1	-	-	-
	„ Glasnevin ..	2121 9	55	44·8	31·6	38·2	-4·6	53	28	23	10	-	-	5·19	132	264	1·05	11	23	17	8	1	5	0	4	20	0	-	-	-
	„ Phœnix Pk. §	2121 9	155	43·9	30·8	37·3	-4·9	53	17	21	10	-	-	4·72	120	244	1·37	11	25	17	8	14	5	0	1	23	0	3·21	87	27
	„ Trin. Coll. ..	2121 9	13	44·7	34·6	39·7	-4·3	52	17	28	10	40·6	43·3	4·41	112	239	·98	11	21	14	6	2	2	0	-	15	1	-	-	-
	Hazelhatch .. (Peamount San.)	9 9 9	366	44·1	30·0	37·1	-	54	18,19	22	10	40·4	41·3	4·05	103	-	2·20	11	16	13	-	-	-	-	0	-	-	3·45	-	29
	Rathfarnham ..	9 9 9	169	44·2	32·8	38·5	-	53	17	23	10	39·5	-	4·79	122	-	·93	11	24	18	8	6	6	0	1	18	-	3·16	-	27
Wicklow	Newcastle ..	2121 9	256	44·7	33·3	39·0	-3·9	53	22	25	10	-	-	5·29	134	-	1·16	11	25	20	6	6	0	0	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18–7 7	173	45·0	31·6	38·3	-5·2	53	17	22	9	40·1	43·0	2·06	52	86	·81	11	17	8	9	2	1	0	0	21	0	3·56	99	30
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	42·7	32·2	37·5	-4·7	50	18	26	5,9	-	-	5·33	135	-	1·05	6	19	13	8	5	0	0	1	24	3	3·33	88	28
	Waterford ¶	9 9 9	137	45·5	34·5	40·0	-3·8	52	17	28	9	-	-	5·04	128	186	1·42	6	19	14	1	0	1	1	10	-	1	-	-	-
Limerick	Foynes	9 9 9	43	45·9	33·8	39·9	-4·0	55	18	27	9	-	-	1·99	51	67	·33	16	14	10	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	45·9	36·9	41·4	-3·8	53	31	28	9	41·9	44·8	4·98	127	110	·94	16	20	15	7	1	5	1	0	13	4	4·29	114	36
		18–7 –	—	47·1	36·4	41·7	-4·6																							
Cork	Ballinacurra §	9 9 9	24	46·2	34·4	40·3	-3·6	53	18,19	26	9	-	-	4·93	125	174	·85	15	19	16	6	1	1	0	-	-	-	4·18	109	35
	Cork	9 9 9	57	47·1	33·9	40·5	-4·0	54	17	25	5,9	-	-	5·99	152	200	·83	15	18	16	2	1	0	0	0	20	-	3·95	-	33
	Roche's Pt. ¶	18–7 7	22	45·2	37·7	41·5	-3·8	51	24	30	9	-	-	4·56	116	152	·65	10	19	15	5	1	2	0	0	-	2	-	-	-
11 CHANNEL ISLES AND SCILLY																													
Scilly	St. Mary's ¶§	18–7 7	163	48·5	40·5	44·5	-2·1	54	20	35	22	-	-	5·08	129	208	1·17	13	26	22	1	0	8	0	0	-	4	4·53	102	38
Guernsey	St. Peter Port ¶§	18–7 7	175	47·5	39·4	43·5	-1·8	55	17,18	32	10	43·4	46·3	5·10	130	206	1·01	6	22	18	4	0	3	0	0	7	0	4·54	96	38
Jersey	St. Heliers ¶§	9 9 9	28	47·5	38·8	43·1	-2·2	54	17	34	1,10,24	-	-	4·20	107	167	·93	4	20	16	1	0	0	0	1	-	-	4·43	92	38
GIBRALTAR		18–7 7	393	59·0	51·5	55·3	-2·8	63	17,24,31	45	1,20	-	-	5·35	136	-	1·29	3	17	15	0	0	0	1	0	0	2	-	-	-
MALTA		18–7 7	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¶§ See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	47·2	35·0	43·1
	„	18	48·2	36·0	44·0

TABLE III (*b*)—SKY OBSERVATIONS, MARCH, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number	NIGHT SKY RECORDER**	GREENWICH	PORTON
Persistently overcast days	-	Recorder in operation on	31 nights	31 nights
„ cloudless „	-	Average exposure (hours)	9·79	9·60
„ foggy „	-	Polaris unobscured (per cent.)	43	50
		δ Ursæ Minoris (ditto)	38	38

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

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	Cal./cm.²/diem.
Max. (on 26).. ..	477
Mean	118

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, 1937

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									
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
0 SCOTLAND N.			1	160	1007·2	–	36·0	1·3	6·2	87	7·6	0	2	10	7	12	0	0	0	1	0	1	3	7	19	0	3	5	13	10	0	6	6	8	2	2	2	1	4
			7	160	1007·3	+0·9	35·6	1·5	6·1	85	8·1	0	0	5	20	6	0	0	0	0	0	1	0	4	26	0	2	5	12	12	0	7	6	8	2	2	1	1	4
Shetlands	Lerwick		13	160	1008·8	–	37·8	2·4	6·0	77	7·8	0	2	5	18	6	0	0	0	0	0	1	0	4	26	0	3	3	12	12	1	5	8	6	3	2	2	0	4
			18	160	1007·8	–	36·9	1·8	6·2	83	7·8	0	0	10	16	5	0	0	0	0	0	2	1	5	23	0	2	5	9	15	0	5	8	5	4	1	2	2	4
			9	165	1007·0	–	36·9	1·9	6·1	81	6·4	0	4	12	13	2	0	0	0	0	0	0	0	5	22	4	–	–	–	–	–	–	–	–	–	–	–	–	–
Orkneys	Deerness		21	165	1007·5	–	35·9	1·5	6·1	85	5·9	1	8	8	10	4	0	0	0	0	0	0	0	1	30	0	–	–	–	–	–	–	–	–	–	–	–	–	–
			1	83	1007·7	–	35·9	1·5	6·1	85	6·3	0	4	12	9	6	0	0	0	0	0	0	2	5	21	3	2	6	13	10	0	8	5	5	4	2	1	3	3
			7	83	1007·3	-0·2	36·0	1·3	6·2	87	7·5	0	0	10	18	3	0	0	0	0	0	0	2	5	14	10	2	7	12	10	0	7	5	5	3	2	1	2	6
Hebrides	Stornoway ..		13	83	1007·6	–	40·0	2·8	6·2	75	8·1	0	1	4	21	5	0	0	0	0	0	1	2	4	12	12	2	6	16	7	0	5	8	6	6	2	1	1	2
			18	83	1007·7	–	38·2	2·1	6·2	80	6·9	0	3	11	10	7	0	0	0	0	0	0	2	2	15	12	1	8	12	9	1	6	7	7	2	3	2	1	2
			1	79	1006·3	–	35·5	0·8	6·3	92	7·8	0	3	3	12	13	0	0	0	0	1	0	2	4	24	0	3	4	12	12	0	6	2	4	5	1	0	7	6
			7	79	1005·9	-1·5	35·0	0·6	6·4	94	8·5	0	1	1	15	14	0	0	0	0	0	0	1	8	22	0	3	1	14	13	0	6	3	5	4	2	0	6	5
Caithness	Wick		13	79	1006·6	–	39·5	1·8	6·7	83	8·5	0	0	4	14	13	0	0	0	0	0	0	2	4	16	9	0	2	4	16	9	0	6	4	4	5	5	0	1	6
			18	79	1006·8	–	37·6	1·2	6·9	89	8·4	0	0	2	17	12	0	0	0	0	1	0	3	3	23	1	2	5	15	9	0	6	4	5	4	3	0	1	8
			7	1180	963·0	–	27·3	1·0	4·2	85	7·7	0	6	2	3	20	0	0	0	0	0	2	6	15	8	0	0	3	4	21	3	8	5	4	3	3	2	0	3
Inverness	Dalwhinnie† ..		13	1180	963·5	–	34·5	1·9	5·6	81	7·7	0	4	5	9	13	0	0	0	1	0	0	0	19	11	0	0	1	8	20	2	10	6	4	2	2	1	1	3
			18	1180	963·6	–	31·5	1·1	5·1	87	7·8	1	3	5	8	14	0	0	0	1	1	1	6	11	11	0	0	1	6	24	0	7	9	4	3	5	0	1	2
			9	250	1006·4	–	34·6	1·1	6·1	89	5·7	0	5	15	7	4	0	0	0	0	0	2	4	1	1	23	0	0	1	29	1	4	6	4	4	0	6	1	5
Inverness	Inverness		17	250	1006·9	–	37·5	1·9	6·1	81	5·5	0	7	14	7	3	0	1	0	0	0	0	3	2	2	23	0	2	1	28	0	4	6	5	3	1	5	2	5
1 SCOTLAND, E.			7	85	1005·5	-3·5	34·8	1·7	5·7	82	6·7	0	5	9	11	6	0	1	0	0	1	0	12	2	15	0	0	0	12	19	0	2	4	3	3	2	3	1	13
			13	85	1006·2	-3·0	39·0	2·9	5·9	74	7·6	0	3	4	19	5	0	0	0	1	1	0	8	8	13	0	0	0	17	14	0	5	5	6	3	2	0	1	9
Aberdeen	Aberdeen H		18	85	1006·3	-2·9	37·6	2·6	5·7	76	7·0	0	6	6	11	8	0	0	0	1	1	0	6	11	12	0	0	1	13	16	1	6	5	3	3	2	0	2	9
			21	85	1006·7	-2·6	35·8	1·9	5·7	81	6·3	3	8	2	7	11	0	0	1	0	0	0	12	13	5	0	0	0	12	18	1	5	1	6	4	1	0	4	9
			h.*	85	1006·0	-3·3	36·5	2·2	5·8	79																												
Aberdeen	Braemar‡		9	1108	1007·5	–	29·7	1·0	4·9	87	8·1	2	0	7	3	19	0	0	1	1	0	0	15	12	2	0	0	3	5	17	6	8	8	2	1	2	1	1	2
Perth	Crieff		9	482	1005·3	–	35·7	2·6	5·3	74	7·4	1	5	4	8	13	–	–	–	–	–	–	–	–	–	–	0	1	13	17	0	3	8	15	1	2	0	1	1
			21	482	1006·1	–	34·4	2·4	5·0	76	5·8	6	6	4	0	15	–	–	–	–	–	–	–	–	–	–	0	4	7	20	0	2	10	13	2	1	0	0	3
			1	184	1005·6	–	35·5	0·9	6·3	91	6·9	0	7	5	9	10	0	1	1	0	1	0	1	7	20	0	0	2	7	22	0	2	6	3	6	1	5	2	6
			7	184	1005·4	–	34·6	0·7	6·4	93	8·4	0	1	4	13	13	0	0	2	1	2	0	3	6	17	0	0	2	8	21	0	3	5	6	2	0	8	2	5
Fife	Inchkeith		13	184	1005·8	–	39·2	1·5	7·0	86	8·2	0	1	2	23	5	0	0	1	0	1	0	4	7	18	0	0	4	6	21	0	5	11	5	1	2	2	3	5
			18	184	1005·6	–	38·3	1·5	6·7	86	7·7	0	3	4	17	7	0	0	0	2	1	0	4	2	22	0	0	3	7	21	0	6	7	8	3	1	1	0	5
			7	36	1005·5	–	33·7	1·4	5·6	85	7·4	0	5	6	8	12	0	0	1	0	0	2	9	1	6	12	0	0	2	26	3	3	3	5	2	0	2	6	7
Fife	Leuchars.. H		13	36	1006·0	–	40·3	3·3	6·1	72	8·1	0	4	2	15	10	0	0	0	1	0	3	4	6	9	0	0	0	9	21	1	5	6	6	3	2	0	1	7
			18	36	1006·0	–	38·3	2·4	6·1	78	7·5	1	4	3	14	9	0	0	0	2	0	1	3	6	11	8	0	1	4	26	0	9	4	8	5	0	0	1	4
Mid Lothian	Edinburgh .. (Blackford Hill)		9	441	1005·9	–	34·8	1·6	5·7	83	7·5	0	5	5	6	15	0	3	0	0	4	11	13	0	0	0	0	1	10	19	1	3	6	3	5	1	3	4	5
			21	441	1006·3	–	34·6	1·5	5·8	85	7·3	1	6	2	9	13	0	2	2	0	2	11	10	3	1	0	0	0	4	20	7	4	4	3	4	3	1	3	2
6a SCOTLAND, W.			7	40	1005·6	–	37·1	1·6	6·3	85	5·7	0	7	9	14	1	0	0	0	0	0	0	0	10	20	1	2	5	15	7	2	10	5	6	4	2	0	0	2
			13	40	1005·9	–	42·3	3·7	6·2	69	6·0	0	9	7	11	4	0	0	0	0	0	0	2	5	11	13	1	7	10	13	0	9	7	4	5	2	1	2	1
Argyll	Tiree		18	40	1005·9	–	39·2	2·3	6·3	79	6·2	0	8	5	14	4	0	0	0	0	0	0	4	4	12	11	1	8	9	13	0	10	5	7	3	3	1	1	1
			9	187	1005·0	–	38·0	2·5	5·9	76	6·2	0	6	11	6	8	0	0	0	0	2	2	9	4	14	0	1	2	16	11	1	5	3	14	2	1	0	0	5
Bute	Rothesay		21	187	1005·3	–	37·1	2·2	5·9	79	6·2	0	8	9	6	8	0	0	1	0	5	1	1	14	9	0	3	1	14	9	4	6	0	13	3	0	0	0	5
			7	24	1005·8	–	33·3	1·2	5·7	87	6·9	2	6	4	9	10	0	0	0	2	4	4	6	3	6	6	0	0	3	24	4	0	5	8	1	0	2	6	5
Renfrew	Renfrew .. .. (Abbotsinch)		13	24	1005·8	–	41·6	4·0	6·0	66	8·2	0	2	2	17	10	0	0	0	1	2	4	7	3	4	10	0	1	9	21	0	5	5	10	1	1	0	2	6
			18	24	1005·8	–	39·4	3·1	5·9	72	7·3	1	5	3	13	9	0	0	0	1	2	8	5	3	5	7	0	1	8	20	2	5	5	9	3	1	1	2	4
			7	778	1005·3	–	30·0	0·9	5·0	89	7·5	1	4	4	8	14	0	0	0	1	2	1	8	3	11	5	0	2	10	12	7	8	7	2	1	1	0	0	5
			13	778	1005·1	–	37·4	3·2	5·5	73	8·0	0	2	4	18	7	0	0	0	0	0	2	10	7	9	3	0	2	14	15	0	10	8	5	2	2	1	0	3
Dumfries	Eskdalemuir‡‡ H		18	778	1005·3	–	34·2	1·9	5·5	82	6·9	0	6	5	12	8	0	0	0	1	3	1	0	8	7	9	2	1	3	7	17	3	8	10	2	2	1	0	0	1
			21	778	1006·1	–	31·5	1·1	5·2	87	5·4	4	8	4	7	8	0	0	0	2	1	0	8	8	11	1	0	3	5	18	4	9	10	0	1	2	0	1	4
			h.*	778	1005·3	–	32·9	1·6	5·3	83																												
6b ISLE OF MAN																																					
Isle of Man	Douglas .. H		9	286	1004·5	-7·0	38·3	2·1	6·3	79	6·2	1	4	10	14	2	0	0	0	0	0	1	22	2	6	0	0	18	12	1	0	3	9	8	4	0	0	3	4
			7	31	1004·3	–	38·1	0·8	7·2	93	7·0	0	8	3	9	11	0	0	0	0	0	0	2	12	17	0	0	6	15	10	0	6	2	10	5	5	0	1	2
Isle of Man	Point of Ayre ..		13	31	1004·9	–	42·6	1·9	7·8	83	6·5	1	6	6	11	7	0	0	0	0	0	1	3	5	22	0	0	3	12	16	0	7	4	7	6	5	0	0	4
			18	31	1004·4	–	40·3	1·3	7·5	88	7·1	0	4	7	10	10	0	0	0	0	0	0	3	9	19	0	0	5	11	11	4	5	3	5	4	6	0	2	0
2 ENGLAND, N.E.			9	331	1004·9	–	35·6	1·6	5·9	83	8·1	1	2	6	6	16	0	1	2	1	1	3	9	6	4	4	0	1	11	19	0	10	1	4	8	0	1	3	4
Northumberland	Cockle Park ..		21	331	1005·7	–	34·0	1·1	5·8	87	6·8	2	7	2	5	15	0	1	0	0	3	3	13	4	6	1	0	2	5	13	11	8	1	3	3	0	1	0	4
			1	122	1004·3	–	36·3	1·5	6·2	85	6·9	1	6	8	4	12	0	0	0	0	1	1	14	10	5	0	2	0	4	25	0	7	1	3	3	4	3	4	6
			7	122	1004·3	-6·0	35·5	1·4	6·0	85	7·7	0	3	7	10	11	0	0	1	0	1	3	17	2	7	0	0	0	6	25	0	5	2	5	1	5	1	5	5
Northumberland	Tynemouth ..		13	122	1004·7	–	39·5	2·5	6·3	77	8·3	0	0	5	19	7	0	0	1	0	0	2	8	10	10	0	0	3	10	18	0	8	1	5	5	3	1	7	5
			18	122	1004·7	–	38·9	2·4	6·2	77	7·5	0	1	8	17	5	0	0	0	0	1	0	11	7	11	1	3	1	11	16	0	5	8	5	5	4	1	2	2	4

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 965·1 mb.
‡‡ Mean pressures at Station Level are 975·9 mb. at 7 h., 976·1 mb. at 13 h., 976·2 mb. at 18 h., and 976·7 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, 1937

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									
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Durham	Durham		9	352	1005·0	-	35·8	1·3	6·2	87	7·8	3	1	5	1	21	0	0	2	5	4	1	11	6	2	0	0	0	0	28	3	6	2	4	1	5	1	4	5
			21	352	1005·6	-	35·0	1·0	6·2	89	6·7	6	1	3	6	15	0	0	0	1	1	6	15	7	1	0	0	0	2	26	3	7	7	2	3	2	1	4	2
Yorks., N. Riding	Catterick ..	H	7	186	1004·6	-	33·6	1·0	5·9	89	7·7	0	5	2	11	13	0	1	3	0	2	4	4	7	9	1	0	0	2	21	8	5	2	1	0	4	1	2	8
			13	186	1004·9	-	39·5	2·7	6·3	76	9·0	0	0	1	18	12	0	0	1	0	1	2	8	7	9	3	0	0	9	19	3	7	2	4	2	3	1	2	7
			18	186	1004·9	-	37·8	2·1	6·2	81	7·7	0	3	5	15	8	0	0	0	0	1	6	8	8	8	0	0	0	3	23	5	4	7	1	4	1	1	2	6
Yorks., N. Riding	Scarborough ..		9	96	1004·5	-	39·9	2·3	6·7	79	6·8	0	8	3	15	5	0	1	2	0	2	2	15	4	5	0	0	0	5	26	0	1	3	1	6	4	2	2	12
	York		9	53	1005·2	-	37·8	1·9	6·3	81	7·6	3	4	1	6	17	-	-	-	-	-	-	-	-	-	-	0	0	0	31	0	13	2	1	0	7	0	3	5
			21	53	1005·6	-	36·7	1·4	6·4	86	5·7	9	4	1	4	13	-	-	-	-	-	-	-	-	-	-	0	0	0	30	1	13	1	1	1	7	0	4	3
Yorks., E. Riding	Spurn Head ..		1	28	1004·1	-	37·1	1·1	6·7	89	6·3	3	5	7	5	11	0	0	0	1	0	2	7	14	6	0	0	13	3	14	1	3	3	4	3	5	3	3	6
			7	28	1004·0	-6·8	36·9	1·1	6·7	89	7·5	1	3	5	9	13	0	1	0	0	1	3	8	13	5	0	0	12	6	12	1	2	5	4	2	6	1	3	7
			13	28	1004·6	-	41·1	2·3	7·0	81	8·3	0	0	5	14	12	0	1	0	1	0	3	8	11	7	0	0	16	4	11	0	5	5	4	2	4	4	2	5
			18	28	1004·5	-	38·8	1·5	7·0	86	8·5	0	1	2	15	13	0	0	0	0	0	2	9	17	3	0	0	16	3	12	0	7	4	4	4	3	4	1	4
Lincoln	†Cranwell ..	H	7	208	1004·8	-	33·2	0·7	6·0	92	6·9	2	5	4	11	9	0	2	0	0	4	6	11	6	2	0	0	0	2	28	1	4	5	2	2	4	2	5	6
			13	208	1004·9	-	40·7	3·0	6·4	75	9·0	0	1	0	18	12	0	0	0	0	2	4	7	13	4	1	0	0	13	17	1	7	5	2	4	5	1	4	2
			18	208	1004·8	-	38·8	1·8	6·7	83	8·5	0	2	1	18	10	0	0	1	0	2	3	5	11	9	0	0	1	4	25	1	3	6	3	4	4	2	5	3
3 ENGLAND, E.																																					
Norfolk	Cromer ..	H	9	74	1004·5	-	39·6	1·8	6·9	83	6·8	1	2	15	7	6	0	0	1	0	0	0	27	3	0	0	0	2	8	21	0	7	1	8	1	8	0	2	4
			1	26	1004·5	-	37·3	1·3	6·5	87	6·0	6	5	3	6	11	0	0	0	0	0	0	14	15	2	0	0	0	11	19	1	4	5	4	0	4	3	5	5
Norfolk	Yarmouth.. ..		7	26	1004·5	-7·2	37·2	1·5	6·4	87	7·6	1	3	5	9	13	0	1	0	0	0	2	21	6	1	0	0	2	14	14	1	4	5	4	0	7	1	4	5
			13	26	1004·9	-	42·1	3·4	6·5	71	7·5	0	1	9	14	7	0	0	0	0	1	1	21	8	0	0	0	0	19	12	0	3	9	1	5	3	2	3	5
			18	26	1005·0	-	40·3	3·3	5·9	69	7·8	0	3	7	9	12	0	0	0	0	0	2	22	7	0	0	0	1	12	17	1	7	4	3	3	4	3	2	4
Suffolk	Felixstowe Aero.		7	20	1004·4	-	37·1	1·4	6·5	87	7·9	1	3	2	11	14	0	0	3	0	0	4	11	9	4	0	0	1	15	14	1	5	2	5	2	5	1	4	6
			13	20	1004·6	-	43·2	3·8	6·4	69	7·4	0	2	9	13	7	0	0	0	0	1	0	7	13	10	0	0	1	17	13	0	1	6	3	6	4	1	5	5
			18	20	1005·0	-	40·3	2·4	6·6	78	7·6	0	1	9	10	11	0	0	0	0	0	3	11	16	1	0	0	1	7	22	1	5	4	3	4	4	2	4	4
Suffolk	Mildenhall ..		7	21	1004·3	-	35·1	0·8	6·4	92	7·0	2	5	4	8	12	0	2	2	0	2	6	11	3	5	0	0	0	8	21	2	4	4	4	2	5	4	4	2
			13	21	1004·5	-	44·2	4·4	6·5	66	8·0	0	1	6	15	9	0	0	0	0	0	1	8	5	13	4	0	3	16	11	1	4	6	1	5	5	3	2	4
			18	21	1004·8	-	40·9	2·5	6·9	79	7·5	0	5	5	8	13	0	0	0	0	1	2	8	8	11	1	0	1	6	24	0	4	6	2	6	3	3	3	4
Cambridge	Cambridge	H	9	43	1004·4	-8·5	38·7	2·0	6·6	81	7·0	5	2	4	8	12	-	-	-	-	-	-	-	-	-	-	0	0	2	29	0	2	9	3	3	2	4	2	6
			21	43	1004·8	-8·2	37·1	1·5	6·5	86	5·3	12	2	1	1	15	-	-	-	-	-	-	-	-	-	-	0	0	0	29	2	2	5	4	6	3	2	4	3
Hertford	Rothamsted ..		9	396	1004·1	-	37·1	1·5	6·4	85	7·1	2	5	2	11	11	0	1	0	1	0	14	15	0	0	0	0	0	3	26	2	7	5	3	4	2	1	5	2
Essex	Shoeburyness	H	7	12	1004·2	-	36·8	1·3	6·5	87	6·5	3	5	4	11	8	0	0	0	0	1	2	12	5	11	0	0	2	8	21	0	5	2	3	3	6	1	5	6
			13	12	1004·6	-	44·4	3·8	7·0	70	8·1	0	2	3	21	5	0	0	0	0	0	0	8	5	18	0	0	0	15	16	0	4	4	4	3	5	3	6	2
			18	12	1004·8	-	40·7	2·5	6·8	79	7·6	0	5	4	13	9	0	0	0	0	0	2	7	5	17	0	0	0	6	25	0	4	4	3	3	4	3	5	5
4 MIDLAND COUNTIES																																					
Yorks., W. Riding	Harrogate.. ..		9	478	1004·9	-	35·9	1·4	6·1	85	7·8	0	6	1	9	15	0	2	1	5	3	6	4	5	2	3	0	0	0	31	0	7	3	3	0	6	3	6	3
Nottingham	Nottingham ..		9	215	1004·1	-	38·2	2·5	6·0	79	7·5	1	1	9	8	12	0	1	1	4	12	1	10	1	1	0	0	0	3	28	0	4	8	5	0	4	1	7	1
Warwick	Birmingham	H	7	542	1004·7	-	34·1	1·2	5·9	87	7·3	3	5	0	11	12	0	0	0	2	4	14	7	2	2	0	0	0	5	26	0	4	8	2	4	4	1	3	5
			13	542	1004·6	-	40·1	3·3	6·0	71	8·1	0	1	5	17	8	0	0	1	0	7	8	11	3	1	0	0	0	11	20	0	3	6	4	4	5	2	4	3
			18	542	1004·7	-	39·4	3·0	6·1	74	7·3	0	2	8	14	7	0	0	1	0	3	15	9	0	3	0	0	0	4	26	1	3	7	4	3	5	2	2	4
Oxford	Oxford		9	212	1004·7	-8·8	38·2	2·1	6·3	80	7·3	2	6	1	6	16	0	1	0	1	2	4	12	8	3	0	0	7	0	24	0	3	9	2	5	4	2	2	4
Shropshire	Shrewsbury	H	9	186	1004·6	-	37·5	1·9	6·2	83	7·7	2	2	5	5	17	0	1	0	0	4	4	7	2	13	0	0	0	11	10	10	4	0	4	4	3	1	4	1
Hereford	Ross-on-Wye	H	7	226	1004·0	-	35·0	1·3	6·1	87	7·3	2	5	1	11	12	0	0	1	1	3	4	6	5	8	3	0	0	5	24	2	6	2	4	3	4	5	4	1
			13	226	1004·1	-	42·6	4·0	6·3	67	8·2	0	1	4	20	6	0	0	0	0	1	4	6	5	12	3	0	0	10	21	0	3	5	7	3	3	2	6	2
			18	226	1004·1	-	41·0	3·2	6·4	72	6·7	0	7	6	12	6	0	0	0	0	1	3	9	7	11	0	0	0	4	27	0	4	3	5	4	5	3	3	4
			21	226	1004·7	-	38·0	2·1	6·3	80	6·2	1	11	0	9	10	0	0	0	0	3	5	13	4	4	2	0	0	2	26	3	0	3	7	2	7	4	4	1
Gloucester	Cheltenham	H	9	230	1004·8	-	39·1	2·6	6·1	76	7·5	0	1	7	14	9	0	0	0	1	1	8	1	19	1	0	0	0	0	31	0	3	5	3	4	4	3	3	6
			21	230	1005·4	-	38·2	2·0	6·4	82	7·5	0	1	10	11	9	0	0	0	0	3	5	5	15	3	0	0	0	0	31	0	3	6	3	4	4	3	2	6
5 ENGLAND, S.E.																																					
London	g Greenwich	H	9	152	1004·6	-9·2	39·9	2·4	6·6	78	6·7	2	7	2	10	10	0	0	0	1	3	13	14	0	0	0	0	0	14	15	2	5	8	3	2	3	4	1	3
			15	152	1004·2	-8·7	44·2	4·4	6·4	65	8·2	0	2	5	12	12	0	0	0	0	0	5	26	0	0	0	0	0	19	12	0	4	6	4	1	5	5	4	2
			21	152	1005·3	-8·4	38·6	1·9	6·6	82	6·1	7	5	0	5	14	0	0	0	0	1	11	19	0	0	0	0	0	10	20	1	5	5	4	2	6	3	3	2
			h.*	152	-	-	-																															
London	Kew Obs'y.	H	7	34	1004·3	-9·1	36·4	1·3	6·4	87	7·1	3	4	2	12	10	0	2	0	0	2	5	15	5	2	0	0	0	5	24	2	4	6	3	3	2	4	4	3
			13	34	1004·5	-8·8	43·7	4·4	6·2	64	8·6	0	1	3	18	9	0	0	0	0	0	8	12	7	4	0	0	0	16	15	0	6	6	2	3	6	1	5	2
			18	34	1004·8	-8·4	42·2	3·4	6·5	71	7·6	0	6	2	10	13	0	0	0	1	0	7	13	5	5	0	0	0	7	24	0	5	5	1	5	4	4	3	4
			21	34	1005·2	-8·5	39·7	2·1	6·7	81	6·7	5	4	1	9	12	0	0	0	0	1	6	20	3	1	0	0	0	7	24	0	4	5	5	3	6	3	3	2
			h.*	34	1004·6	-8·8	39·9	2·6	6·6	78																												
London	Kensington ..		9	66	1004·4	-	39·4	2·2	6·6	80	6·9	2	3	7	8	11	0	0	0	2	8	16	5	0	0	0	0	0	0	31	0	3	12	0	3	2	5	1	5
			15	—	-	-	44·1	4·5	6·3	65	7·7	0	1	8	14	8	-	-	-	-	-	-	-	-	-	-	0	0	1	30	0	4	7	4	2	2	5	3	4
			18	—	-	-	42·8	3·9	6·3	68	7·8	2	3	4	4	18	-	-	-	-	-	-	-	-	-	-	0	0	2	29	0	6	3	2	4	4	4	2	6
Surrey	Croydon ..	H	1	225	1004·1	-	36·9	1·5	6·5	86	6·5	6	4	2	6	13	0	0	0	1	4	7	9	7	3	0	0	0	11	20	0	4	6	5	0	6	3	5	2
			7	225	1003·9	-	35·6	1·2	6·3	88	7·3	3	4	1	14	9	0	0	0	2	4	4	15	5	1	0	0	0	7	21	3	2	7	2	3	6	1	5	2
			13	225	1004·1	-	43·8	4·5	6·3	65	8·6	0	0	2	22	7	0	0	1	0	3	3	16	7	1	0	0	1	15	15	0	2	8	2	4	3	4	4	2
			18	225	1004·3	-	41·7	3·5	6·3	71	8·0	0	5	2	13	11	0	0	0	1	5	8	16	1	0	0	0	0	8	23	0	4	7	2	5	5	3	3	2
Surrey	Wisley		9	85	1003·9	-	39·8	2·5	6·3	77	7·6	0	2	6	11	12	0	0	0	0	2	9	12	8	0	0	0	0	2	29	0	0	12	0	4	3	5	2	5

* Mean of hourly readings.

g Temperature from thermometers on a Glaisher stand.

† New site as from December 9th, 1936.

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS											FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																		
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5 ENGLAND, S.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																															
			7	572	1004·3	-	34·8	1·0	6·2	89	7·2	3	3	4	8	13	0	1	2	2	1	4	13	6	2	0	0	0	12	13	6	3	4	3	2	6	2	4	1
Kent	Biggin Hill	H	13	572	1004·5	-	41·9	3·8	6·3	69	8·2	0	2	3	19	7	0	0	0	0	3	0	15	9	4	0	0	1	15	14	1	3	7	1	3	7	2	4	3
			18	572	1004·9	-	39·2	2·6	6·3	77	7·8	0	5	2	12	12	0	0	1	0	3	2	13	12	0	0	0	1	6	24	0	6	5	2	4	5	3	4	2
			7	—	-	-	38·3	0·9	7·2	91	7·3	0	6	4	15	6	0	0	0	1	1	3	13	13	0	0	0	3	12	16	0	3	5	4	2	5	4	4	4
Kent	Dungeness	..	13	—	-	-	44·4	2·6	7·8	79	7·5	0	1	8	18	4	0	0	0	0	0	1	13	17	0	0	0	4	13	14	0	1	7	4	1	7	3	3	5
			18	—	-	-	42·5	1·8	7·8	84	7·9	0	0	7	19	5	0	0	0	0	1	1	11	18	0	0	0	3	13	14	1	2	5	5	2	3	5	4	4
			1	345	1004·7	-	36·9	1·5	6·5	86	5·4	6	6	4	6	9	0	0	1	0	1	1	12	12	3	1	0	1	9	21	0	5	3	5	1	4	3	4	6
Kent	Lympne ..	H	7	345	1004·5	-	35·7	1·1	6·4	89	7·0	1	6	3	13	8	0	0	1	1	4	2	11	8	4	0	0	0	14	17	0	5	6	3	3	4	2	2	6
			13	345	1004·6	-	43·0	3·9	6·5	68	7·8	0	2	7	17	5	0	0	0	0	0	1	7	16	6	1	0	1	16	14	0	5	4	3	3	6	3	3	4
			18	345	1004·8	-	39·7	2·5	6·5	78	7·7	0	2	6	14	9	0	0	0	0	2	3	5	11	9	1	0	0	16	15	0	6	4	3	3	5	4	3	3
			1	141	1004·2	-	38·1	1·7	6·7	84	6·2	6	4	2	11	8	0	0	0	0	1	3	5	13	9	0	0	1	11	16	3	4	3	4	3	2	7	1	4
Kent	Manston ..	..	7	141	1004·0	-	37·4	1·4	6·6	86	7·3	0	4	7	10	10	0	0	0	1	0	3	10	10	7	0	0	1	14	16	0	5	5	5	3	4	2	3	4
			13	141	1004·5	-	43·3	3·7	6·8	71	7·6	1	3	3	15	9	0	0	0	0	1	1	7	15	7	0	0	2	17	12	0	3	6	3	3	6	3	3	4
			18	141	1004·7	-	41·0	2·7	6·7	76	7·4	0	7	4	5	15	0	0	0	0	1	3	9	13	5	0	0	0	15	16	0	6	4	3	4	4	3	3	4
Kent	Tunbridge Wells ..		9	407	1004·9	-	38·8	1·1	7·1	88	6·4	3	7	5	1	15	0	0	0	0	0	12	6	12	1	0	0	1	2	28	0	2	9	2	4	3	4	1	6
Sussex	Brighton ..	H	9	48	1005·5	-	40·9	2·2	7·1	81	6·3	3	8	3	3	14	0	0	0	0	0	8	4	4	15	0	0	5	0	26	0	4	9	1	2	5	2	1	7
			9	154	1003·9	-	40·6	2·5	6·7	78	5·7	5	6	3	13	4	0	0	0	0	0	7	10	11	3	0	0	4	0	24	3	0	11	0	3	2	4	1	7
Sussex	Hastings ..	H	21	154	1004·7	-	39·8	2·2	6·7	81	6·5	6	2	5	3	15	0	0	0	0	1	15	7	8	0	0	0	2	0	28	1	1	7	0	5	1	8	0	8
			7	15	1003·7	-	37·5	1·0	6·9	91	6·2	3	6	5	8	9	0	0	0	0	0	2	15	12	2	0	0	0	11	19	1	7	4	2	5	2	1	3	6
Hampshire	Calshot ..	..	13	15	1004·4	-	44·2	3·4	7·2	73	7·5	0	2	6	17	6	0	0	0	0	0	0	8	15	8	0	0	2	17	12	0	5	4	4	3	6	2	2	5
			18	15	1004·6	-	42·5	2·6	7·2	78	6·3	0	7	9	7	8	0	0	0	0	1	1	9	13	7	0	0	1	12	17	1	5	3	5	3	3	5	3	3
			9	84	1004·7	-9·5	40·4	2·5	6·6	78	6·2	6	1	4	12	8	0	0	0	1	0	2	27	1	0	0	0	3	7	21	0	8	8	0	4	3	2	2	4
Hampshire	Southampton ..		21	84	1005·8	-8·1	40·7	2·4	6·8	78	4·3	13	2	2	8	6	0	0	0	0	5	6	20	0	0	0	1	0	5	25	0	5	8	2	2	3	5	1	5
			7	256	1004·1	-	34·7	0·8	6·3	91	7·0	2	6	2	11	10	0	1	1	1	4	6	8	8	1	1	0	0	2	28	1	3	7	2	5	4	1	5	3
Hampshire	S. Farnborough	H	13	256	1004·4	-	43·5	4·0	6·6	68	8·4	0	1	4	16	10	0	0	0	0	1	3	12	10	5	0	0	0	10	20	1	6	4	3	3	5	3	4	2
			18	256	1004·6	-	41·3	3·1	6·5	73	7·2	0	5	5	14	7	0	0	0	1	0	5	14	9	2	0	0	0	6	24	1	3	3	4	3	5	3	5	4
			9	80	1003·9	-	41·9	2·8	6·9	76	6·0	0	11	5	5	10	-	-	-	-	-	-	-	-	-	-	0	1	13	17	0	7	8	1	5	0	5	4	1
I. of Wight	Ventnor (Hosp.)		15	80	1004·2	-	44·4	3·4	7·1	72	6·9	0	6	8	5	12	-	-	-	-	-	-	-	-	-	-	0	0	8	23	0	6	4	6	2	0	3	8	2
			7	420	1003·9	-	34·5	0·7	6·4	93	6·7	2	4	7	7	11	0	0	0	1	1	2	11	15	1	0	0	0	11	18	2	5	5	4	3	4	1	3	4
Wiltshire	Amesbury (Boscombe Down)	H	13	420	1004·2	-	42·5	3·5	6·7	72	8·0	0	0	7	16	8	0	0	0	0	0	2	4	18	7	0	0	3	15	13	0	3	8	3	3	5	1	6	2
			18	420	1004·4	-	40·4	2·5	6·8	79	6·7	0	7	7	8	9	0	0	0	0	0	2	9	17	3	0	0	0	14	17	0	5	5	1	4	5	1	7	3
			9	444	1004·4	-	38·1	2·0	6·5	82	6·6	0	9	4	10	8	0	0	0	0	1	0	9	15	6	0	0	2	18	10	1	3	8	3	3	4	2	4	3
Wiltshire	Larkhill ..	H	13	444	1004·5	-	42·5	3·9	6·3	68	8·0	0	2	5	14	10	0	0	0	0	1	1	3	9	17	0	0	4	19	8	0	4	7	4	2	3	5	5	1
			15	444	1004·5	-	42·6	3·9	6·3	68	7·8	0	1	8	14	8	0	0	0	0	1	1	3	12	14	0	0	4	19	8	0	4	7	3	2	5	3	5	2
7a ENGLAND, N.W.																																									
Lancashire	Hutton ..	..	9	86	1004·6	-	38·6	2·4	6·1	76	7·0	0	5	1	23	2	-	-	-	-	-	-	-	-	-	-	0	1	2	25	3	2	10	4	6	0	1	0	5
			7	83	1004·4	-	34·4	1·0	6·1	89	7·6	2	2	4	12	11	0	0	0	5	5	8	8	4	1	0	0	1	3	26	1	2	8	4	4	5	1	2	4
Lancashire	Manchester (Barton)	H	13	83	1004·5	-	41·7	3·7	6·3	70	8·3	0	2	2	19	8	0	0	0	0	3	6	8	10	4	0	0	1	12	17	1	4	3	4	5	6	0	3	5
			18	83	1004·3	-	40·0	2·6	6·5	77	7·9	0	4	5	8	14	0	0	1	1	4	10	11	2	2	0	0	0	10	21	0	5	5	4	5	2	2	4	4
Lancashire	Manchester (Whitworth Pk.)		9	127	1004·3	-	38·7	2·3	6·3	79	7·4	0	5	4	11	11	-	-	-	-	-	-	-	-	-	-	0	1	0	30	0	3	6	3	7	4	4	1	3
			21	127	1004·6	-	38·1	1·5	6·7	86	6·5	2	5	5	14	5	-	-	-	-	-	-	-	-	-	-	0	1	0	30	0	4	3	10	4	3	3	2	2
Lancashire	Southport* (Bedford Rd. Park)	H	9	37	1004·6	-7·8	39·1	2·4	6·4	78	7·6	2	3	3	9	14	0	0	0	0	3	14	2	7	5	0	0	3	11	17	0	4	4	7	7	3	0	1	5
			15	37	1003·9	-	42·9	3·6	6·7	71	7·4	0	5	6	11	9	0	0	0	1	0	11	7	5	4	3	0	1	18	11	1	3	2	7	4	3	0	2	9
			21	37	1004·8	-7·5	37·6	1·8	6·5	83	5·9	3	8	4	6	10	0	0	0	1	2	18	1	4	5	0	0	1	7	22	1	2	5	8	7	1	1	2	4
Lancashire	Stonyhurst ..		9	381	1005·0	-	37·3	2·3	5·8	77	7·0	2	4	5	9	11	0	0	0	2	1	4	14	5	5	0	0	0	9	22	0	3	9	4	3	5	0	3	4
			21	381	1005·4	-	36·2	1·5	6·1	85	6·9	5	3	2	10	11	0	0	0	1	1	0	10	19	0	0	0	0	3	27	1	6	11	2	3	3	0	3	2
Cheshire	Bidston Obs'y. ..		9	202	1004·7	-	38·0	1·9	6·4	82	8·5	0	1	5	11	14	0	0	1	1	9	11	5	3	1	0	0	1	14	15	1	3	5	7	5	3	1	2	4
7b NORTH WALES.																																									
			7	19	1004·2	-	34·6	1·4	5·8	85	7·9	2	1	4	10	14	0	2	1	1	3	7	6	10	0	1	0	1	4	24	2	4	3	5	5	2	1	2	7
Flint	Sealand ..	H	13	19	1004·3	-	42·8	4·0	6·3	67	8·4	0	1	5	12	13	0	0	0	0	1	6	9	9	6	0	0	2	11	17	1	5	3	3	6	3	2	6	2
			18	19	1004·2	-	41·1	3·0	6·5	74	7·6	2	3	4	10	12	0	0	0	0	5	2	14	7	3	0	0	1	8	20	2	2	4	2	7	1	0	9	4
			1	29	1003·7	-	39·3	1·3	7·3	88	5·5	6	6	4	6	9	0	0	0	0	0	0	7	10	13	1	0	6	11	13	1	4	6	7	4	3	1	1	4
Anglesey	Holyhead ..	H	7	29	1003·4	-8·3	38·8	1·2	7·2	88	7·0	1	3	8	9	10	0	0	0	0	1	1	7	7	13	2	1	2	19	8	1	4	6	6	5	3	0	2	4
			13	29	1003·7	-	43·2	2·5	7·6	79	7·5	0	3	6	14	8	0	0	0	0	0	2	1	7	14	7	1	3	17	10	0	5	6	4	3	3	3	1	6
			18	29	1003·6	-	41·7	1·8	7·5	83	7·1	0	6	2	15	8	0	0	0	0	0	2	2	8	14	5	0	3	15	12	1	7	5	6	2	6	0	2	2
Carnarvon	Llandudno ..		9	33	1004·3	-	39·9	2·9	6·1	72	7·0	2	5	2	15	7	0	0	0	1	1	4	3	7	15	0	0	0	3	28	0	5	1	9	2	6	1	6	1
8a SOUTH WALES.																																									
Cardigan	Ciliau Aeron ..		9	256	1003·8	-	39·7	2·4	6·5	78	7·1	2	2	8	9	10	0	0	0	0	0	7	24	0	0	0	1	17	6	7	0	4	2	6	8	5	2	1	3
			1	152	1002·4	-	39·6	1·7	6·9	85	5·9	2	7	7	10	5	0	0	0	0	0	1	3	21	6	0	3	5	11	12	0	3	3	9	5	4	1	2	4
Pembroke	St. Ann's Head ..		7	152	1002·2	-10·0	39·2	1·8	6·8	83	7·6	0	2	6	17	6	0	0	0	0	1	0	9	14	7	0	2	6	9	14	0	6	3	9	3	3	2	2	3
			13	152	1002·5	-	43·4	3·2	7·0	73	7·8	0	0	8	17	6	0	0	0	0	0	2	8	15	6	0	1	5	16	9	0	4	2	3	7	6	1	3	5
			18	152	1002·7	-	41·8	2·4	7·1	74	7·6	0	4	4	19	4	0	0	0	0	0	1	5	19	6	0	0	9	10	12	0	4	6	3	5	5	2	2	4

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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, 1937

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									
											NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		G.M.T.	ft	mb	mb	°F	°F	mb	%																											
8a	SOUTH WALES—*cont.*																																			
Radnor	Llandrindod Wells	9	725	1004·6	-	37·8	2·0	6·2	80	8·0	0	0	5	15	11	0	0	0	0	0	2	11	14	4	0	0	1	7	23	0	2	3	3	10	6	2	2	3
	Rhayader	9	—	-	-	35·7	1·5	6·0	85	8·2	2	1	2	10	16	0	0	0	1	2	2	11	7	8	0	0	0	3	28	0	3	7	2	11	2	2	0	4
Glamorgan	Cardiff	9	203	1004·4	-	39·0	2·2	6·4	79	7·3	2	5	3	5	16	0	0	0	0	0	1	21	7	2	0	0	0	4	27	0	1	6	6	4	1	4	7	2
		21	203	1005·2	-	37·5	1·6	6·4	84	4·9	14	0	2	4	11	0	0	0	0	1	0	27	3	0	0	0	0	4	27	0	0	4	3	6	0	5	9	4
8b	ENGLAND, S.W.																																			
Somerset	Bath	9	113	1004·0	-	40·2	2·6	6·5	77	6·7	3	4	6	5	13	0	0	0	0	0	6	18	7	0	0	0	0	3	27	1	2	6	7	4	2	2	3	4
Dorset	Holton Heath H	9	58	1003·6	-	40·8	2·5	6·9	78	6·3	4	6	3	4	14	0	1	0	0	2	4	17	7	0	0	0	5	18	8	0	7	7	4	2	5	2	0	5
		15	58	1003·8	-	44·8	4·5	6·6	65	7·2	1	5	6	7	12	0	0	0	0	0	5	22	3	1	0	0	3	20	7	1	5	4	2	4	4	4	5	2
		1	37	1002·8	-	41·3	1·9	7·4	84	5·9	5	4	7	5	10	0	0	0	0	0	0	1	16	14	0	0	3	16	12	0	3	6	5	5	2	3	1	6
Dorset	Portland Bill ..	7	37	1003·0	-9·3	39·9	1·0	7·6	91	6·9	2	6	2	12	9	0	0	0	0	0	0	2	21	8	0	0	0	22	9	0	4	6	5	3	4	2	0	7
		13	37	1003·7	-	43·9	2·1	8·1	83	7·9	0	2	6	8	15	0	0	0	0	0	0	2	19	10	0	0	3	19	9	0	4	4	5	2	6	2	4	4
		18	37	1003·6	-	43·5	2·2	7·8	82	8·0	1	1	3	15	11	0	0	0	0	0	0	1	21	9	0	0	1	17	13	0	3	3	4	6	3	4	4	4
Devon	Moretonhampstead	9	801	1003·6	-	37·4	1·6	6·5	85	7·2	0	5	7	8	11	0	0	1	1	1	2	5	5	14	2	0	11	0	19	1	4	3	3	2	5	5	2	2
		15	801	1003·6	-	41·2	3·0	6·6	74	7·5	0	3	10	6	12	0	0	0	0	1	0	5	4	19	2	0	18	1	11	1	4	2	2	7	5	1	4	5
Devon	Plymouth H	7	27	1003·0	-	38·8	1·2	7·2	88	6·4	1	7	5	9	9	0	0	0	0	0	0	5	9	7	15	0	0	13	13	5	6	3	4	2	5	1	3	1
	(Mount Batten) ..	13	27	1003·7	-	45·2	3·5	7·5	72	7·4	0	3	8	11	9	0	0	0	0	0	0	5	5	17	4	0	4	12	15	0	4	3	4	5	5	4	2	4
		18	27	1003·6	-	44·2	3·2	7·3	74	7·0	0	5	7	12	7	0	0	0	0	0	1	9	3	16	2	0	3	6	22	0	3	3	5	3	7	3	3	4
		1	240	1002·8	-	41·6	2·0	7·3	82	6·7	1	7	4	9	10	0	0	0	0	0	1	0	8	22	0	0	9	11	11	0	6	3	3	6	5	0	3	5
Cornwall	The Lizard ..	7	240	1002·4	-	41·2	1·6	7·7	87	7·5	0	2	8	3	8	0	0	0	0	0	1	1	6	23	0	0	7	10	14	0	6	6	2	3	5	2	2	5
		13	240	1003·3	-	46·4	3·2	8·1	77	6·7	0	4	11	10	6	0	0	0	0	0	1	1	7	22	0	0	8	12	10	1	2	3	5	3	6	3	5	3
		18	240	1003·1	-	44·2	2·7	7·7	78	7·6	0	2	7	13	9	0	0	0	0	1	1	1	8	20	0	1	6	16	6	2	3	2	5	3	5	3	3	5
Cornwall	Newquay ..	9	161	1002·9	-	43·0	1·7	8·0	85	6·4	3	5	4	10	9	0	0	0	0	0	4	4	14	6	3	0	5	5	21	0	6	3	4	8	2	4	1	3
9	IRELAND, N.																																			
Sligo	Markree Castle ..	9	127	1005·1	-	38·7	1·8	6·6	83	5·6	5	3	10	8	5	0	0	0	1	0	0	3	9	18	0	0	1	4	21	5	10	1	5	6	1	0	1	2
		21	127	1004·4	-	39·1	1·6	6·9	85	6·5	2	5	7	7	10	0	0	0	0	0	0	4	5	22	0	0	2	1	19	9	5	2	4	6	2	0	0	3
		1	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Blacksod Point ..	7	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		13	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		18	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	87	1005·0	-	38·6	0·6	7·4	94	6·1	3	3	6	18	1	0	0	0	0	0	0	2	22	7	0	0	2	7	22	0	10	4	3	6	6	0	1	1
Donegal	Malin Head ..	7	87	1005·1	-4·0	38·6	0·7	7·3	93	7·1	0	4	6	18	3	0	0	0	0	0	0	3	14	12	2	0	4	8	19	0	12	5	4	3	6	0	1	0
		13	87	1005·3	-	41·7	1·3	8·1	88	6·4	0	6	8	14	3	0	0	0	0	0	0	6	11	13	1	0	3	10	18	0	9	3	6	5	3	1	1	3
		18	87	1004·9	-	40·7	1·0	8·0	91	4·8	1	5	4	19	2	0	0	0	0	0	0	4	15	12	0	0	3	13	15	0	8	4	7	5	4	0	0	3
		7	245	1004·7	-	34·3	0·7	6·3	92	6·8	1	6	6	6	12	0	0	0	0	2	1	8	7	12	1	0	1	5	22	3	4	8	4	4	1	2	2	3
Antrim	Aldergrove H	13	245	1004·7	-	41·6	3·1	6·6	74	7·4	0	4	4	18	5	0	0	0	0	0	1	7	7	11	5	0	2	16	13	0	7	5	5	6	1	1	2	4
		18	245	1004·5	-	39·4	2·2	6·6	80	6·6	2	7	3	10	9	0	0	1	1	0	1	8	8	9	3	0	2	11	17	1	9	5	5	6	2	0	3	2
Armagh	Armagh .. H	9	209	1004·6	-6·6	37·8	1·8	6·5	84	6·7	4	2	5	9	11	0	0	0	0	0	1	3	9	18	0	0	0	6	25	0	5	6	7	5	1	2	3	4
		21	209	1004·7	-6·6	36·3	1·5	6·3	85	5·9	9	2	1	6	13	0	0	0	0	0	2	11	12	6	0	0	0	6	25	0	5	5	6	5	3	1	2	4
10	IRELAND, S.																																			
Dublin	Glasnevin ..	9	56	1004·4	-	38·5	1·6	7·0	85	6·5	4	0	13	2	12	0	1	2	1	15	3	4	1	4	0	0	1	2	27	1	0	5	4	6	1	0	6	8
		21	56	1004·7	-	38·5	1·7	6·8	83	5·5	8	0	10	4	9	0	0	1	0	14	3	8	0	5	0	0	1	3	24	3	0	2	5	2	4	1	3	11
		7	193	1003·6	-8·3	33·2	0·4	6·1	95	6·3	3	8	3	5	12	0	0	0	0	0	0	0	9	22	0	0	0	2	26	3	5	4	3	3	7	1	0	5
Offlay	Birr Castle ..	13	193	1003·5	-	43·2	3·3	6·8	72	8·7	0	1	2	17	11	0	0	0	0	0	0	0	10	21	0	0	0	1	30	0	4	5	3	4	7	0	1	7
		18	193	1003·3	-	42·3	3·3	6·7	73	7·6	0	3	6	15	7	0	0	0	0	0	0	0	10	21	0	0	0	1	30	0	6	7	3	3	7	0	1	4
Waterford	Seskin, Carrick-on-	9	521	1003·5	-	37·2	0·8	6·9	92	6·8	1	9	0	9	12	0	1	0	0	1	1	5	10	10	3	1	5	3	22	0	6	2	4	2	3	2	4	8
	Suir	21	521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7	45	1002·6	-9·7	39·4	2·2	6·5	79	7·0	1	6	4	10	10	0	0	0	0	0	1	3	7	17	3	0	2	13	12	4	4	7	7	4	1	2	0	2
Kerry	Valentia H	13	45	1003·1	-9·8	44·7	3·9	6·9	69	6·7	0	7	6	9	9	0	0	0	0	0	0	0	4	16	11	1	1	17	12	0	4	9	5	3	5	1	3	1
	Observatory	18	45	1003·1	-9·5	43·7	3·6	6·8	71	6·6	0	7	6	13	5	0	0	0	0	0	0	1	2	19	9	1	3	13	13	1	6	8	4	4	5	1	2	0
		21	45	1003·6	-9·4	41·3	2·8	6·7	76	5·8	1	10	4	12	4	0	0	0	0	0	0	1	3	21	6	0	3	12	8	8	5	7	5	2	4	0	0	0
		h.*	45	1003·1	-9·6	41·7	3·0	6·6	75																													
		7	24	1002·7	-10·0	39·2	1·4	7·0	85	6·5	2	6	5	13	5	0	0	0	0	1	2	2	3	21	2	1	3	16	10	1	11	4	6	4	3	1	0	1
Cork	Roche's Point ..	13	24	1003·0	-	44·3	2·9	7·7	77	6·6	0	3	12	13	3	0	0	0	0	0	1	1	2	19	8	0	2	19	10	0	8	4	4	7	4	2	0	2
		18	24	1003·4	-	42·6	1·8	7·8	85	7·0	0	4	6	16	5	0	0	0	0	0	0	2	6	16	7	0	3	18	10	0	9	5	7	2	3	3	1	1
11	CHANNEL I. & SCILLY.																																			
		1	199	1001·5	-	42·7	2·2	7·5	80	6·4	0	7	8	12	4	0	0	0	0	0	0	3	6	22	0	0	7	18	5	1	5	3	4	4	5	4	1	4
Scilly.	St. Mary's..	7	199	1002·1	-10·7	42·7	2·5	7·3	78	7·0	0	1	11	13	6	0	0	0	0	0	0	3	9	19	0	1	7	13	10	0	6	3	5	2	4	4	3	4
		13	199	1003·0	-	47·3	3·6	8·1	74	7·2	0	4	6	16	5	0	0	0	0	0	1	1	15	13	1	0	11	11	9	0	4	3	3	3	5	4	5	4
		18	199	1002·6	-	44·6	2·7	7·8	78	7·6	0	2	6	16	7	0	0	0	0	0	0	3	17	11	0	1	7	13	10	0	2	5	1	5	6	6	2	4
		1	186	1004·0	-	41·6	1·9	7·5	83	5·3	7	6	5	3	10	0	0	0	0	0	0	1	0	6	11	8	5	0	2	10	15	4	4	3	4	2	5	4	1	4
Guernsey	St. Peter Port H	7	186	1003·6	-	41·9	2·0	7·5	82	7·7	0	4	5	11	11	0	0	0	0	0	0	2	15	9	5	0	1	12	17	1	4	3	4	3	7	4	0	5
		13	186	1004·4	-	45·6	3·6	7·6	72	7·1	0	4	9	7	11	0	0	0	0	0	0	5	14	4	8	0	1	15	14	1	5	3	5	2	4	4	2	5
		18	186	1004·6	-	44·0	2·8	7·6	77	7·5	0	5	3	13	10	0	0	0	0	1	0	5	13	5	7	0	0	12	17	2	2	3	5	4	2	5	3	5
		7	400	1015·7	-1·4	53·0	2·6	11·4	82	6·1	0	11	2	17	1	0	0	0	0	0	1	4	6	6	14	0	6	15	8	2	1	0	2	1	0	0	13	12
GIBRALTAR	.. .. H	13	400	1016·0	-	57·2	4·3	11·8	74	5·9	1	7	7	13	3	0	0	0	0	0	1	1	3	13	12	0	8	15	8	0	0	2	2	0	4	14	9
		18	400	1015·5	-	56·7	3·6	12·3	77	6·3	1	8	4	17	1	0	0	0	0	0	0	1	4	14	12	0	6	15	9	1	0	1	2	1	0	0	18	8
		21	400	1016·5	-	55·2	3·2	11·8	79	5·2	7	6	3	11	4	0	0	0	0	0	0	1	1	18	11	0	6	11	13	1	1	0	2	1	0	0	13	13
		7	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MALTA	.. .. H	13	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		18	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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Vol. 54. No. 4. Issued by the Authority of the Meteorological Committee

APRIL, 1937.—A dull month.

The month was distinguished by an exceptional deficiency of sunshine. Rainfall exceeded the average on the whole over England and Wales and Ireland but a large deficiency was registered over the northern half of Scotland. Mean temperature exceeded the average generally.

Unsettled weather prevailed for the most part for the first three weeks. During the opening days a depression moved from the south-west of Ireland along the English Channel and eventually filled up; rain fell at times and thunderstorms were reported locally in the west on the 4th. On the 5th and 6th a large depression was situated on the Atlantic, while a secondary depression moved north-north-east along our western seaboard and caused some rain, chiefly in the west. Subsequently the main depression also moved north-north-east to Iceland and on the 9th and 10th an associated trough extending southward to the south-west of Ireland moved slowly east across the British Isles. Unsettled weather persisted, with occasional rain and thunderstorms locally on the 7th and 10th. A good deal of fog developed during the period 4th–7th. A new depression approached south-west Ireland on the 11th, moved south-east to the Bay of Biscay and then slowly eastward over France. There was some scattered rainfall but good records of bright sunshine were enjoyed in many places on the 11th and 12th. A new Atlantic disturbance passed directly over the country between the 15th and 17th and caused general rainfall, and thunderstorms at numerous places in England on the 16th. A secondary depression which developed off the south-west of Ireland moved rapidly north-east to Denmark on the 20th.

Subsequently the anticyclone off our south-west coasts moved north-east and, from the 23rd to the end of the month, mainly anticyclonic conditions prevailed. Records of bright sunshine were somewhat variable but very good at times locally. Some rain occurred, however, in many places on the 27th, the fall in south-eastern districts being due to a depression over north Germany which moved south-west.

Pressure and Wind.—Mean pressure was generally below the average, by amounts ranging up to about 4 mb., except in the Shetlands where the mean value was slightly above the average. Strong winds occurred chiefly in the south-west and north on the 1st, 2nd, 16th, 17th and in the English Channel on the 20th also, when gusts of 87 m.p.h. and 78 m.p.h. were recorded at Pendennis Castle and The Lizard respectively. These stations and Scilly were the only anemometer stations where the mean speed for an hour exceeded 38 m.p.h. at any time during the month.

Temperature.—Mean temperature exceeded the average in all districts, the excess ranging from 1·4°F. in England, N.E. to 3·1°F. in England, S.W. and South Wales. An unusual feature was the occurrence of the highest readings in Scotland, where on the 30th, the temperature reached 70°F. or 71°F. at several stations. The grass minimum fell to 12°F. at Dalwhinnie and 17°F. at Braemar on the 26th, but the lowest readings at most stations in England and Wales were credited to the 1st.

The extremes for the month were:—(England and Wales) 68°F. at Newport (Isle of Wight) on the 23rd, 22°F. at Luton on the 1st; (Scotland) 71°F. at Forres, Logie Coldstone and Kelso on the 30th, 21°F. at Dalwhinnie on the 26th; (Ireland) 69°F. at Mallaranny on the 24th, 28°F. at Markree Castle on the 18th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 122, the values for the constituent countries being England and Wales 152, Scotland 71 and Ireland 113.

In England and Wales the excess was almost general, less than the average being registered only at some rather isolated stations chiefly in the north and west. Over fairly large areas in the eastern half of England and at one or two stations in the south more than twice the average occurred. In Scotland less than half the average was received over most of the northern half of the country and less than 20 per cent. locally in Sutherland, Ross and Cromarty and Inverness-shire, while more than the average occurred only in the extreme south-west and in a few small isolated areas elsewhere. In Ireland less than the average was registered in some places, particularly in the west and north and locally in County Meath and County Dublin.

Local thunderstorms occurred on several days; for example, the 4th, 7th, 10th, 13th, 14th, 16th, 20th. During a thunderstorm at Henley-on-Thames on the 7th unusually large hail-stones fell; one picked up and measured by Mr. E. M. Page of Norman Avenue was approximately 1¼ inches in diameter. Heavy rain fell in a thunderstorm at Nailsworth, Gloucestershire, on the 10th; the measurement for the day was 2·22 in. Heavy falls occurred at numerous other stations on the same day, and in Wales on the 16th.

Sunshine.—There was a general and exceptional deficiency of sunshine. The percentage of the average for the districts ranged from 47 per cent. in Ireland, N. to 77 per cent. in England, S.E. and Scotland, N. At numerous stations it was the dullest April in records going back in some instances to 1881. That was the case, for example, at Birr Castle and Aberdeen; at Stornoway the total equalled the previous lowest in a record which also goes back to 1881. At Armagh the daily mean, 1·64 hours, was only 33 per cent. of the average and 12 per cent. of the possible. The daily mean exceeded 5 hours only at a few stations in the Isle of Wight and at Hastings. Among the brightest individual days were 11th, 12th, 21st, 24th, 25th, 26th and 30th.

Fog.—Fog occurred locally on numerous days, mainly during the first half of the month and particularly during the periods 1st–9th and 13th–15th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 7 days, and was seen in Buckinghamshire on the night of the 24th-25th. Relative humidity was very low at Totland Bay (Isle of Wight) on 25th, the reading at 9h., 28 per cent. being the lowest observed at that hour in a record covering 52 years. Halos were observed at Oxford on 10 days.

Meteorological Office, Air Ministry: G. C. Simpson, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, 24*th May*, 1937.

TABLE I—DISTRICT VALUES— APRIL, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	66	21	+2·4	-	-	40	-5	77	24
Eastern									
1 SCOTLAND, E.	71	25	+2·0	-	-	73	+1	63	21
2 ENGLAND, N.E.	65	24	+1·4	+1·4	+0·1	178	+4	55	18
3 ENGLAND, E.	65	22	+1·6	+1·5	+0·6	166	+3	56	21
4 MIDLAND COUNTIES ..	64	24	+2·4	+1·5	+0·3	153	+1	66	22
5 ENGLAND, S.E.	68	24	+2·5	+2·6	+1·2	154	+3	77	30
Western									
6 SCOTLAND, W. (*and I. of Man*)	68	27	+2·7	+1·3	-0·2	104	+1	50	17
7 ENGLAND, N.W. (*and N. Wales*)	66	28	+2·7	+2·6	+0·5	133	+3	72	26
8 ENGLAND, S.W. (*and S. Wales*)	66	27	+3·1	+2·1	+0·8	102	0	72	29
9 IRELAND, N. ..	69	28	+2·7	+1·0	-0·3	105	-2	47	18
10 IRELAND, S. ..	66	29	+3·0	+1·4	-0·1	117	+1	54	21
11 CHANNEL I. (*and Scilly*)	64	41	+2·1	+1·9	+0·4	129	+2	66	31
Mean, DISTRICTS 1—10	71	22	+2·4	+1·7	+0·3	129	+1	61	22

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— APRIL, 1937 [1914]

DISTRICT AND STATION	Height			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		
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed	Time
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d h m
0 SCOTLAND, N.																		
Shetland ‡Lerwick	310	53	39	-	0	9	91	388	228	13	0	170	37	17	1 01	51	23	10 10 25
Orkney Kirkwall	170	40	35	-	0	9	66	318	300	36	0	170	35	16	10 07	50	22	10 06 20
Hebrides *Stornoway	—	40	36	-	0	9	32	235	336	78	39	(180	35	16	1 01	46	21	1 00 05)
1 SCOTLAND, E.																		
Aberdeen Aberdeen	70	42	32	-	0	0	0	73	458	189	0	340	18	8	26 10	36	16	10 11 05
Angus Bell Rock Lighthouse	130	—	126	-	0	11	58	338	265	59	0	150	35	16	10 05	46	21	9 20 40
Edinburgh Edinburgh	485	39	23	-	0	3	8	183	425	104	0	170	32	14	10 12	44	20	10 09 50
6a SCOTLAND, W.																		
Argyll Tiree	75	50	42	-	0	3	9	242	349	120	0	140	28	13	9 13	42	19	9 12 35
Renfrew Paisley	188	81	31	-	0	0	0	44	501	175	0	270	21	9	22 13	47	21	22 13 10
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	1	2	131	412	175	0	260	26	12	22 11	46	21	22 14 30
Dumfries Eskdalemuir ..	825	50	35	-	0	3	12	185	379	144	0	270	28	13	22 15	54	24	22 14 30
6b ISLE OF MAN																		
Isle of Man Point of Ayre ..	70	40	35	-	0	3	16	271	315	118	0	330	28	13	17 09	41	18	8 13 55
2 ENGLAND, N.E.																		
Durham South Shields ..	73	57	44	-	0	4	20	244	373	83	0	330	30	13	17 05	44	20	22 12 50
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	74	411	235	0	260	23	10	22 12	40	18	8 10 35
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	7	55	320	309	35	1	340	35	16	26 13	47	21	26 13 15
Lincoln Cranwell	284	43	33	-	0	0	0	123	371	226	0	280	20	9	21 14	37	17	22 14 05
3 ENGLAND, E.																		
Norfolk Gorleston	52	42	34	-	0	0	0	163	416	141	0	150	23	10	16 05	38	17	25 09 55
Suffolk Felixstowe Aero. ..	60	45	35	-	0	1	2	209	421	88	0	330	26	12	26 16	45	20	26 14 55
Suffolk Mildenhall	64	45	20	-	0	0	0	167	435	118	0	290	20	9	21 09	38	17	21 08 35
Bedford Cardington ..	285	150	135	-	0	2	10	267	330	113	0	230	29	13	8 15	48	21	17 13 40
Essex Shoeburyness ..	115	104	89	-	0	2	4	269	377	70	0	290	26	11	21 10	42	19	17 04 30
4 MIDLAND COUNTIES																		
Warwick Birmingham ..	643	118	73	-	0	3	3	265	400	52	0	310	26	12	17 03	43	19	17 01 00
5 ENGLAND, S.E.																		
London South Kensington ..	137	110	30	-	0	0	0	32	623	65	0	300	15	7	17 19	39	17	20 18 25
Surrey Kew Observatory ..	92	75	50	-	0	0	0	117	501	102	0	290	19	8	21 10	40	19	17 10 55
Surrey Croydon	313	105	70	-	0	1	1	279	362	78	0	290	25	11	17 20	43	19	20 18 30
Kent *Dover	66	66	60	-	0	2	2	326	356	36	0	-	(26)	12	(20 17)	(44)	20	(20 16 15)
Kent Lympne	418	76	48	-	0	4	11	313	347	49	0	210	29	13	20 16	49	22	20 15 35
Hampshire Calshot	58	50	42	-	0	4	10	236	379	95	0	310	32	14	20 19	48	21	20 18 00
Wiltshire Boscombe Down ..	462	45	33	-	0	3	10	217	442	51	0	280	28	13	16 24	46	21	16 23 15
Wiltshire Larkhill	491	51	36	-	0	5	33	337	319	31	0	330	31	14	20 18	50	22	16 23 20
7a ENGLAND, N.W.																		
Lancashire Fleetwood	112	50	31	-	0	3	12	220	381	107	0	320	29	13	21 04	41	18	20 02 50
Lancashire Manchester (Barton)	153	83	80	-	0	3	16	240	384	80	0	270	35	16	22 12	48	21	22 11 45
Lancashire Southport	60	42	33	-	0	4	33	242	383	62	0	260	29	13	22 16	45	20	20 21 55
Cheshire Bidston Obs'y. ..	262	64	39	-	0	4	50	301	294	75	0	300	35	16	17 14	54	24	17 12 55
7b NORTH WALES																		
Anglesey Holyhead	68	43	35	-	0	7	55	272	269	124	0	310	37	17	17 06	52	23	17 06 40
Flint Sealand	81	65	42	-	0	4	32	214	324	150	0	270	36	16	17 13	52	23	17 12 45
8b ENGLAND, S.W.																		
Devon Moretonhampstead	838	40	35	-	0	4	27	219	343	131	0	310	34	15	20 18	62	28	20 13 40
Devon Plymouth	185	88	65	-	0	4	27	240	326	121	6	-	32	14	9 22	50	22	20 16 15
Cornwall The Lizard	315	75	60	1.20	9	11	87	297	283	44	0	270	55	25	20 15	78	35	20 14 45
Cornwall Pendennis Castle ..	256	65	42	1.20	9	12	90	283	261	77*	0	310	54	24	20 15	87	39	20 14 55
9 IRELAND, N.																		
Donegal *Dunfanaghy Road	180	47	30	-	0	5	(33)	(141)	(293)	(102)	(151)	-	(35)	16	(22 05)	(50)	22	(22 04 15)
Antrim Aldergrove	282	40	20	-	0	0	0	145	365	210	0	80	22	10	2 13	40	18	9 13 15
10 IRELAND, S.																		
Dublin Kingstown(Cup Anr.)	49	27	27															
Clare Quilty	100	40	32	-	0	7	42	291	304	83	0	-	32	14	16 22	46	21	16 21 30
Kerry Valentia Observatory	98	41	33	-	0	6	31	300	283	106	0	60	31	14	2 09	60	27	15 07 10
Cork Cork	132	71	40	-	0	1	2	127	306	108	177	-	25	11	18 15	47	21	13 17 20
11 SCILLY ISLES																		
St. Mary's	230	65	57	16.20	11	11	120	339	214	36	0	280	51	23	20 14	75	33	20 13 00

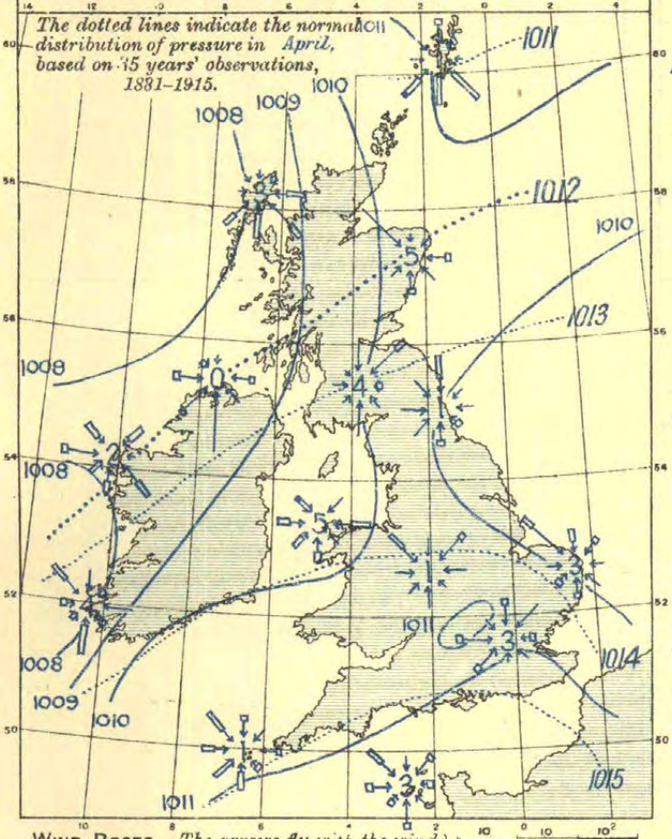
‡‡ Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

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

* Values in brackets doubtful owing to defective records.

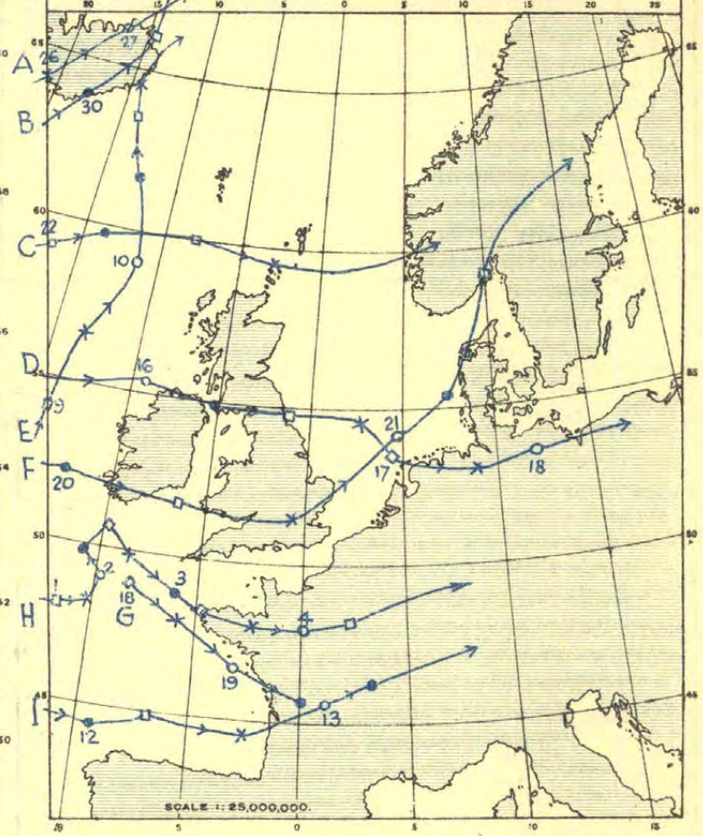
1. WIND AND MEAN PRESSURE. 7 A.M. *

The dotted lines indicate the normal distribution of pressure in April, based on 45 years' observations, 1881–1915.



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

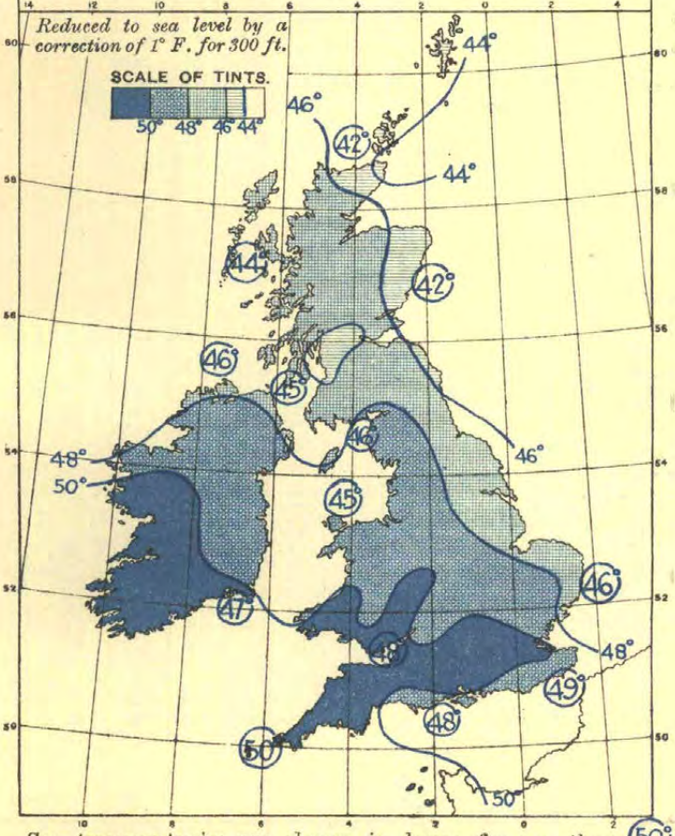
2. MOVEMENTS OF DEPRESSIONS.



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

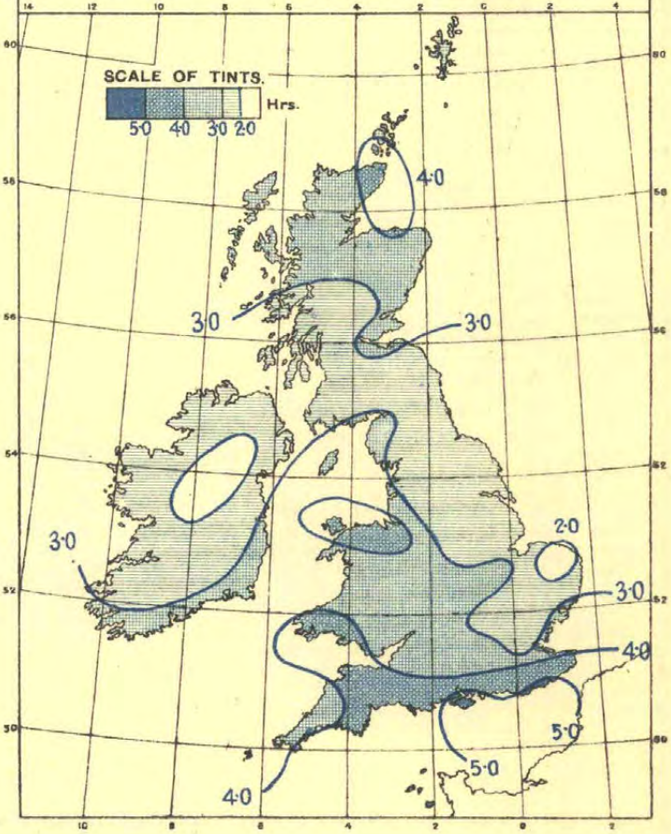
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



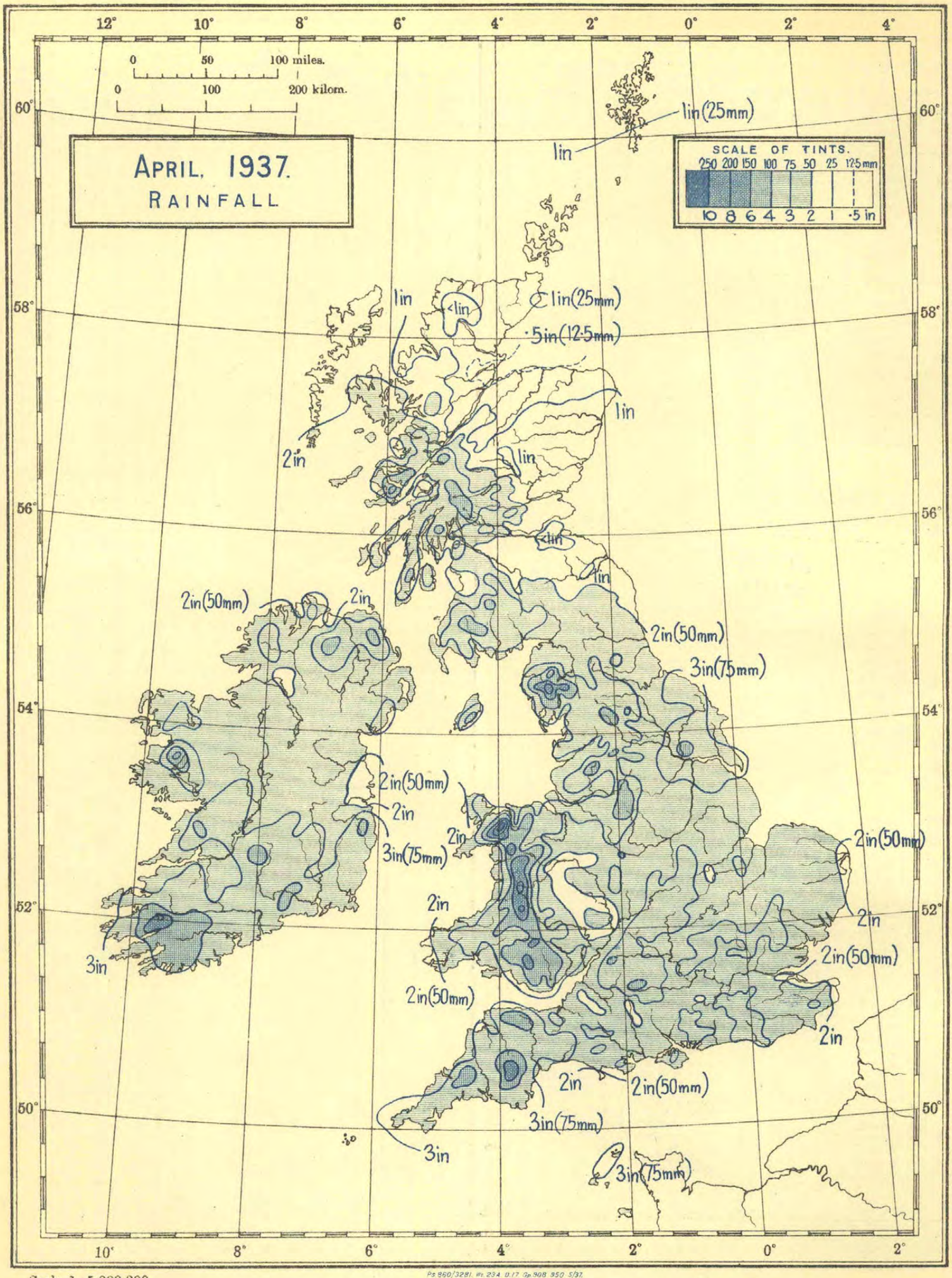
Sea temperatures are shewn in large figures, thus: (50°)

4. BRIGHT SUNSHINE, HOURS PER DAY.



H.M. Stationery Office Press, Kingsway, W.C. 2.

*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps 860/3281. Wt. 234. D.17. Gp.908. 950. 5/37.

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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER Number of days								BRIGHT SUNSHINE		
				Means of				Absolute Maximum and Minimum											Precip'n									Percentage	
		Max. Min. Rain		A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	Total Fall		Percentage of Average	Most in a day Amount	Most in a day Date	0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0	SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	48·9	39·7	44·3	+2·2	55	28	31	5	43·1	–	1·99	51	79	·64	10	24	11	0	0	0	0	0	–	0	3·79	87	26
	Lerwick .. ¶§	18–7 7	156	46.7	40·4	43·5	+2·0	53	30	37	2,3	–	–	1·39	35	66	·48	10	15	7	0	0	0	0	1	–	2	3·89	92	27
Orkney	Deerness	2121 9	160	48·1	40·2	44·1	+1·8	57	30	36	1	–	–	·92	23	44	·16	9	16	9	0	0	0	0	2	–	–	3·51	76	24
	Kirkwall .. ¶§	9 9 9	113	48·9	40·7	44·8	+1·9	63	30	34	19	43·7	–	·81	21	37	·17	19	14	6	0	0	0	0	1	7	0	3·90	82	27
Hebrides	Skallary	101010	30	51·3	43·9	47·6	–	56	28,30	39	3,11,21	–	–	1·86	47	–	·30	15	18	12	0	0	0	0	1	–	–	–	–	–
	Stornoway(C.G.) ¶§	18–7 7	80	50·6	42·3	46·5	+3·0	58	30	36	21,26	–	–	1·78	45	62	·71	9	15	10	0	0	1	0	2	–	0	3·50	70	24
	Stornoway ..	– – 9	30																											
Skye	Duntulm ..	9 9 9	294	51·4	41·2	46·3	–	57	30	31	21	–	–	1·84	47	–	·60	9	17	15	0	0	0	0	2	1	0	3·76	–	26
Caithness	Wick	18–7 7	81	47·5	39·4	43·5	+1·4	54	27	31	19	–	–	1·15	29	57	·14	20	14	11	0	0	0	0	2	–	1	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	53·5	40·8	47·1	+3·5	62	15,26,29	31	11	–	–	1·87	47	33	·50	8	15	10	1	0	0	0	0	–	–	–	–	–
	Fortrose	9 9 9	69	53·0	40·8	46·9	+2·4	69	30	35	13,26	–	–	·35	9	–	·18	18	7	3	0	0	0	0	1	–	0	3·05	64	21
Inverness	Dalwhinnie †..	18–7 7	1176	50·3	36·3	43·3	–	65	30	21	26	–	–	·87	22	–	·16	9	13	9	0	7	0	0	8	0	3·02	–	21
	Ft. Augustus ¶	9 9 9	68	53·5	40·3	46·9	+3·4	66	29	28	26	–	–	·36	9	14	·09	19	10	3	0	0	0	0	–	–	2·74	71	19S
	Ft. William ..	9 9 9	34	53·6	41·8	47·7	+3·4	60	26	31	11	46·2	44·1	2·25	57	51	·47	9	14	10	0	0	0	0	2	0	2·77	–	20S
	Inverness ¶§	9 9 9	242	52·4	39·7	46·1	+1·8	66	30	32	26	–	–	·32	8	19	·12	20	9	2	0	0	1	0	1	3	0	3·23	72	23
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	53·3	40·1	46·7	+3·0	69	30	29	13,25	–	–	·60	15	40	·16	18	13	5	0	0	0	0	0	–	0	3·34	74	24
Moray	Forres	9 9 9	155	55·7	37·7	46·7	–	71	30	29	13	–	–	·40	10	–	·07	10,19	13	5	0	0	1	0	0	–	0	3·50	–	24
	Gordon Castle ..	2121 9	104	52·7	39·8	46·3	+2·4	66	30	33	13,25	–	–	·45	11	25	·10	19	11	4	0	0	0	0	–	–	–	3·30	73	23S
Banff	Banff	9 9 9	130	50·1	40·5	45·3	+2·7	67	30	35	1	–	–	·53	13	32	·12	19	13	5	0	0	1	0	0	3	0	4·03	89	28S
Aberdeen	Aberdeen ¶§	242424	79	48·7	40·0	44·3	+1·1	63	30	34	27	43·5	41·4	1·05	27	55	·41	3	13	9	0	0	1	0	6	3	0	2·70	56	19
		18–7 –	—	48·9	39·3	44·1	+0·6																							
	Balmoral	9 9 9	927	49·4	34·8	42·1	+1·6	67	30	25	25	–	–	·96	24	44	·30	9	18	6	0	8	0	0	–	9	0	–	–	–
	Braemar	2121 9	1111	49·3	35·3	42·3	+1·9	66	30	27	13,26	–	–	1·11	28	47	·24	9	16	10	0	9	0	0	0	8	0	2·78	–	20S
	Craibstone ..	9 9 9	300	49·1	38·5	43·8	+2·2	66	30	31	27	43·0	40·4	1·67	43	83	·33	9	18	12	0	0	2	0	–	2	–	3·08	69	22
	Logie Coldstone..	9 9 9	608	51·0	36·2	43·6	+1·6	71	30	25	25	–	–	1·41	36	70	·30	10	18	11	0	0	0	0	4	–	–	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	50·5	39·4	44·9	–	62	30	31	22,27	–	–	1·42	36	–	·50	3	18	7	0	0	0	0	0	–	–	2·82	–	20
Angus	Arbroath.. ..	2121 9	93	51·0	39·7	45·3	+1·4	61	29	33	27	–	–	2·02	51	125	·51	9	16	11	0	0	0	0	7	6	0	3·46	69	24
	Carnoustie ..	9 9 9	39	49·9	39·5	44·7	+0·7	66	30	33	25	–	–	2·00	51	118	·35	3	17	12	0	0	1	0	–	–	0	3·32	66	23
	Dundee .. ¶§	9 9 9	147	51·0	40·3	45·7	+1·8	70	30	35	26	44·4	–	2·01	51	125	·31	9,20	19	14	0	0	0	0	0	4	0	2·88	62	20
	Kettins	9 9 9	218	52·3	39·0	45·7	+2·2	69	30	29	26	45·0	–	1·44	37	79	·39	9	17	10	0	0	1	1	1	8	0	–	–	–
	Montrose.. ..	9 9 9	16	49·4	39·9	44·7	+1·3	59	22	33	27	–	–	1·66	42	–	·52	3	17	10	0	0	1	0	0	–	0	3·44	72	24
Perth	Crieff	2121 9	478	52·0	39·8	45·9	+2·4	67	30	32	26	–	–	2·15	55	97	·55	7	17	10	0	0	0	0	–	–	–	–	–	–
	Perth	9 9 9	76	54·2	40·3	47·3	+2·6	70	30	29	26	–	–	1·57	40	89	·28	9	17	14	0	0	0	0	–	–	–	2·71	56	19
Fife	Cupar	9 9 9	210	52·4	39·9	46·1	+2·1	68	30	29	25	–	–	1·23	31	–	·26	9	18	9	0	0	0	0	–	–	–	–	–	–
	Dunfermline ..	9 9 9	237	52·1	40·4	46·3	–	66	30	32	26	45·4	42·9	1·44	37	–	·33	15,18	16	12	0	0	1	0	1	6	0	2·85	–	20
	Inchkeith ..	18–7 7	190	49·8	40·5	45·1	+0·8	63	30	35	6	–	–	1·15	29	94	·24	18	11	10	0	0	0	0	3	0	0	3·29	70	23
	Kirkcaldy ..	9 9 9	137	51·6	40·3	45·9	+0·9	66	30	33	26	–	–	1·43	36	–	·28	16	17	11	0	0	0	0	–	–	–	–	–	–
	Leuchars.. ..	18–7 7	36	51·6	39·2	45·4	+1·5	68	30	30	26	–	–	1·86	47	118	·37	20	19	11	0	0	0	0	8	0	3·26	65	23
	St. Andrews ..	9 9 9	13	50·9	40·1	45·4	+1·1	67	30	31	26	45·2	43·5	2·13	54	126	·33	20	19	15	0	0	1	0	1	3	–	3·31	67	23
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	51·3	40·8	46·1	+2·4	65	30	33	1	–	–	1·10	28	76	·24	16	18	9	0	0	0	1	5	3	0	3·31	73	24S
	Boghall	9 9 9	639	51·2	40·0	45·6	+2·7	61	28,29	32	26	43·6	41·0	1·41	36	–	·24	15	19	12	0	0	0	1	0	4	2	–	3·17	77	22
	Liberton ..	9 9 9	190	53·2	40·9	47·1	–	67	30	30	26	–	–	·89	23	–	·24	16	12	7	0	0	0	1	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	(52·4)	41·2	(46·8)	–	67	30	32	1	45·6	43·3	·96	24	–	·24	16	15	8	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	50·1	40·8	45·5	–	64	30	35	1,27	–	–	1·06	27	–	·19	16	19	11	0	0	0	0	1	6	0	2·80	–	20
	N. Berwick ..	9 9 9	118	51·5	40·2	45·9	+1·2	61	30	32	1	–	–	·99	25	74	·13	27	16	10	0	0	0	0	3	2	0	2·82	61	20
Berwick	Marchmont ‖ ¶§	2121 9	498	51·0	38·6	44·8	+1·9	69	30	30	1	–	–	1·42	36	71	·61	15	17	10	0	0	0	1	–	–	0	2·25	50	16S
	St. Abb's Head	18–7 7	280	(48·8)	40·8	(44·8)	–	(64 | 30)	35	1	–	–	1·63	41	–	·35	16	16	11	0	0	0	0	9	–	0	–	–	–
Peebles	Peebles	9 9 9	629	52·4	38·9	45·7	–	66	30	28	26	–	–	1·11	28	–	·24	15	13	10	0	0	0	0	9	4	0	2·38	–	17
	West Linton ..	9 9 9	820	51·5	38·0	44·7	+3·4	66	30	27	26	44·1	41·2	1·40	36	–	·32	8	16	13	0	0	0	0	4	7	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	53·6	40·5	47·1	+2·9	71	30	30	1	–	–	·95	24	60	·25	16	17	7	0	0	0	1	1	–	0	–	–	–
	Wolfelee	9 9 9	537	52·4	38·9	45·7	+3·0	67	30	29	26,27	–	–	1·79	45	80	·28	13	16	12	0	0	0	0	0	–	0	–	–	–
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	53·8	38·6	46·2	+1·3	64	30	30	11	–	–	4·09	104	–	1·67	9	20	16	0	0	1	0	–	11	–	–	–	–
	Colonsay ..	9 9 9	87	51·7	41·3	46·5	–	62	30	31	12	–	–	2·88	73	–	·66	9	23	14	0	0	1	0	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	53·1	40·8	46·9	–	66	29,30	31	26	45·3	42·5	4·90	125	–	1·67	9	18	14	0	0	0	0	0	4	–	1·88	–	13S
	Dunoon	9 9 9	132	51·2	41·9	46·5	–	64	29	34	26	–	–	3·63	92	–	·66	7	16	12	0	0	2	0	0	3	–	2·42	–	17
	Glenbranter ..	9 9 9	188	53·1	39·1	46·1	+1·4	68	30	28	26	–	–	3·90	99	–	1·11	9	14	13	0	0	0	0	0	7	–	–	–	–
	Oban	9 9 9	229	52·3	41·9	47·1	–	64	30	36	15,26	–	–	1·72	44	–	·52	9	16	9	0	0	0	0	1	3	0	2·91	58	21
	Tiree .. ¶§	18–7 7	22	50·9	42·5	46·7	+1·8	56	30	36	13	–	–	2·46	62	100	·76	9	15	11	0	0	0	1	0	2	0	3·27	52	23
Bute	Rothesay ¶§	2121 9	200	51·6	41·7	46·7	+2·2	63	30	36	21	45·3	43·8	3·16	80	106	·80	9	16	13	0	0	0	0	0	4	1	2·18	44	15
Dumbarton	Cardross	9 9 9	130	53·0	40·8	46·9	+2·4	66	30	32	19,26	–	–	2·27	58	–	·73	9	17	12	0	0	0	0	0	–	–	2·47	55	18S
	Helensburgh ..	9 9 9	293	52·5	40·2	46·3	+1·4	65	30	31	26	–	–	2·71	69	94	·70	15	16	12	0	0	0	0	1	–	0	2·61	58	18
Stirling	Stirling	9 9 9	151	54·5	42·0	48·3	+3·2	68	30	33	26	45·8	41·8	2·02	51	–	·45	15	15	12	0	0	0	0	0	3	0	2·42	55	17
Renfrew	Greenock ..	9 9 9	199	52·9	42·3	47·6	+2·9	65	30	36	26	–	–	2·81	71	78	·71	9	17	12	0	0	1	0	1	0	0	2·63	–	19
	Paisley	2121 9	106	54·2	42·4	48·3	+2·6	66	26	33	26	46·3	44·3	1·90	48	82	·87	15	14	10	0	0	0	0	0	4	0	2·35	51	17
	Renfrew ¶§ (Abbotsinch)	18–7 7	19	53·8	41·4	47·6	+3·1	66	29	28	26	–	–	1·80	46	80	·65	15	17	9	0	0	0	0	0	3	0	2·43	55	17
Lanark	Carluke	9 9 9	534	52·4	40·6	46·5	–	64	30	31	26	–	–	1·23	31	–	·26	15	15	11	0	0	1	1	0	3	0	2·34	–	17
	Dungavel ..	9 9 9	798	50·1	38·6	44·3	+2·7	60	30	30	26	–	–	2·57	65	–	·52	8	19	13	1	0	0	0	0	3	–	–	–	–
	Glasgow	9 9 9	85	53·3	42·8	48·1	+2·8	65	30	35	26	–	42·8	1·72	44	83	·66	15	17	11	0	0	2	0	4	–	0	1·90	–	13
	Thorntonhall ..	9 9 9	440	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ayr	Auchincruive ..	9 9 9	89	54·0	41·1	47·5	–	63	29	30	11	46·3	44·2	1·67	42	–	·26	19	17	11	0	0	0	1	0	5	0	2·62	–	19
	Ayr ..	2121 9	43	52·3	41·6	46·9	–	58	30	31	26	–	–	1·57	40	–	·28	16	13	12	0	0	0	0	0	1	–	2·73	–	19
	Colmonell ..	9 9 9	170	52·9	41·4	47·1	+2·1	63	30	31	15,26	–	–	2·51	64	100	·45	15	19	15	0	0	0	0	0	6	–	–	–	–
	Kilmarnock ..	9 9 9	130	54·0	41·5	47·7	+2·8	65	29	29	26	46·3	45·0	1·71	43	–	·33	15	17	9	0	0	0	0	0	4	0	2·75	59	20
	Troon	9 9 9	15	51·5	42·1	46·8	–	58	14,30	36	5,26	–	–	1·48	38	–	·29	15	16	11	0	0	0	0	2	2	0	2·71	–	19
	Turnberry ..	9 9 9	30	52·3	42·1	47·2	+1·7	59	14,29	35	26	–	–	2·17	55	–	·40	21	18	12	0	0	0	0	0	0	0	2·76	53	20
Dumfries	Dumfries.. ¶§	2121 9	140	54·0	41·2	47·6	+2·9	65	29	32	26	46·0	43·7	3·28	83	149	·50	15	19	17	0	0	0	0	0	6	0	2·23	48	16
	Eskdalemuir ¶§	242424	794	51·6	37·9	44·7	+3·6	63	30	27	27	43·5	42·1	2·90	73	85	·56	7	18	13	0	0	2	0	2	5	0	2·14	50	15
		18–7 –	—	51·7	38·2	44·9	+3·4																							
	Ruthwell.. ‖..	2121 9	67	54·7	39·9	47·3	+2·6	61	9, 29, 29	31	11,26	–	–	2·70	69	–	·37	15	18	16	0	0	0	0	–	–	0	2·17	46	15S

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

‖On and after April 18th observations were taken one hour earlier than the times shown.

†Observations taken at 17h instead of 18h G.M.T. on Sundays during Summer time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS APRIL, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	51·5	41·9	46·7	+1·5	61	29	36	11,19,26	-	-	4·09	104	168	·76	16	17	15	0	0	0	0	2	5	0	3·96	67	28
	Point of Ayre ..	18–7 7	30	52·8	42·8	47·8	-	61	8	35	19	-	-	2·56	65	-	·37	15	20	15	0	0	0	0	2	-	0	3·25	-	23
2 ENGLAND, N.E.																														
Northum-	Berwick-on-T. ..	9 9 9	76	48·8	40·9	44·9	+1·2	57	8,22,30	34	27	-	-	1·36	35	94	·33	16	15	11	0	0	0	1	1	1	0	2·82	58	20
berland	Bellingham ..	9 9 9	849	51·1	38·4	44·7	+2·5	65	30	30	27	-	-	2·00	51	92	·33	16	20	15	0	0	2	0	3	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	50·6	38·3	44·5	+1·4	60	29	30	1	43·5	42·4	2·04	52	123	·45	16	21	15	0	0	0	0	4	2	0	2·53	54	18
	Tynemouth ..	18–7 7	108	47·8	41·2	44·5	0·0	59	8,22	33	1	-	-	2·59	66	183	·74	16	19	16	0	0	1	0	4	1	0	2·45	-	17
Durham	Chopwellwood ..	9 9 9	446	51·7	39·5	45·6	+2·1	64	30	32	27	-	-	2·73	69	154	·53	16	21	18	0	0	1	0	0	5	-	2·39	53	17
	Durham .. ¶§	2121 9	336	51·4	39·9	45·7	+2·0	60	22,30	28	27	-	-	2·22	56	141	·55	16	18	15	0	0	0	1	6	4	0	2·38	53	17
	Houghall	9 9 9	160	54·6	39·8	47·2	+2·7	63	9	25	27	-	-	2·15	55	-	·50	16	18	13	0	0	0	0	6	6	0	2·36	57	17
	Sunderland ..	9 9 9	70	49·9	40·6	45·3	-	62	9	30	1	-	-	2·42	61	-	·75	16	16	15	0	0	0	0	5	3	-	-	-	-
	Ushaw College ..	9 9 9	594	50·4	39·8	45·1	+1·4	61	30	33	1	-	-	2·71	69	143	·54	2	21	17	0	0	0	0	12	-	-	-	-	-
Yorks.,	Ampleforth ..	9 9 9	313	51·5	40·1	45·8	+1·3	59	9,22	29	27	-	-	2·67	68	-	·39	2	18	17	0	0	1	0	2	4	-	2·63	-	19
N. Riding	Castleton ..	9 9 9	450	50·8	38·5	44·7	-	62	30	25	1	44·0	-	3·27	83	-	·89	16	18	16	0	0	0	0	4	3	-	-	-	-
	Catterick	18–7 7	175	51·7	41·0	46·3	-	61	22	30	27	-	-	3·09	79	-	·78	16	19	13	0	0	1	0	5	4	0	2·47	-	18
	Scarborough †¶§	9 9 9	118	51·1	41·1	46·1	0·0	60	8,22	35	1	-	44·1	3·26	83	207	·90	11	19	14	0	0	0	0	5	1	0	2·49	50	18
	York .. ¶§	2121 9	57	53·4	41·9	47·7	+1·8	61	9,23	28	1	45·8	44·2	3·48	88	216	·80	16	19	15	0	0	0	0	-	-	0	2·61	60	19
Yorks.,	Hull	2121 9	8	52·4	42·8	47·6	+1·9	61	9	32	1	45·9	44·0	3·63	92	231	·69	16	18	15	0	0	2	3	5	2	-	2·76	69	20
E. Riding	Spurn Head ..	18–7 7	29	48·8	42·0	45·4	+0·1	59	8	38	1	-	-	3·29	83	253	·48	10	18	15	0	0	0	0	1	-	0	2·43	49	17
Lincoln	Cranwell .. ††¶§	18–7 7	203	53·8	40·5	47·1	+1·6	61	9	24	1	46·2	44·4	2·70	69	202	·78	17	14	11	0	0	0	0	6	4	0	2·80	59	20
	Cleethorpes ..	9 9 9	23	51·2	42·0	46·6	+0·5	61	8	33	1	-	-	2·99	76	-	·44	16	17	13	0	0	0	1	2	1	-	2·60	57	19
	Skegness ..	9 9 9	15	50·1	42·2	46·1	+1·2	60	8	34	1	-	-	2·81	71	210	·45	16	18	12	0	0	0	0	3	0	-	2·39	45	17
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	50·2	41·7	45·9	+0·1	61	9	35	1	-	-	2·64	67	210	·52	20	17	12	0	0	0	1	6	1	0	2·14	40	15
	Hunstanton ..	9 9 9	105	51·5	42·9	47·2	+0·3	62	9	33	1	-	-	2·48	63	-	·38	20	18	12	0	0	0	1	2	-	-	2·59	55	19
	Norwich	9 9 9	110	53·0	41·8	47·4	+0·9	60	8,16	34	1,12	46·8	-	2·12	54	-	·46	20	19	13	0	0	0	0	-	3	-	1·87	37	13
	Sprowston ..	9 9 9	93	52·6	41·5	47·1	+0·8	59	8,9,16	30	1	-	-	2·33	59	-	·52	20	16	13	2	0	1	0	-	5	-	1·89	40	14
	Terrington ..	9 9 9	13	53·6	41·8	47·7	-	61	9,10	30	1	-	-	2·74	70	-	·42	20	13	11	0	0	1	1	1	2	-	3·03	-	22
	Thetford ..	9 9 9	99	53·9	40·2	47·1	-	62	9	23	1	47·0	44·9	2·75	70	-	·48	20	16	13	0	0	0	1	1	5	-	2·62	-	19
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	49·9	42·4	46·1	+0·4	59	8	38	5,12,24	47·6	46·1	1·68	43	112	·48	20	17	10	0	0	0	0	3	0	0	2·28	42	16
Suffolk	Bungay (Flix'n) ..	9 9 9	79	53·2	41·1	47·1	+0·8	59	8,9,16	29	1	-	-	2·24	57	-	·59	20	14	13	0	0	0	1	1	3	-	-	-	-
	Chadacre ..	9 9 9	250	56·1	40·3	48·2	-	65	18	28	1	-	-	2·97	75	-	·41	9,20	15	13	0	0	0	2	1	7	-	2·93	-	21
	Copdock	9 9 9	164	54·5	41·9	48·2	+2·3	60	3,8,9	30	1	47·7	46·1	2·92	74	-	·70	20	15	11	0	0	0	1	2	1	-	3·03	63	22
	Felixstowe Aero ..	18–7 7	15	52·2	43·0	47·6	+1·5	59	8,22	33	1	-	-	2·35	60	199	·45	20	14	10	0	0	0	0	1	2	0	3·20	55	23
	Lowestoft ..	9 9 9	82	50·8	41·7	46·3	+0·6	61	8	36	12	47·9	46·7	1·71	43	118	·50	21	20	11	0	0	0	0	3	1	0	2·23	38	16
	Mildenhall ..	18–7 7	19	55·1	41·8	48·5	-	63	3,6	28	1	-	-	2·81	71	-	·52	17	17	12	0	0	1	2	4	3	0	2·81	-	22
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	55·1	41·3	48·2	+1·9	62	10	28	1	48·0	46·4	2·52	64	189	·53	17	14	13	0	0	0	2	2	3	0	2·52	51	18
	(Univ. Farm) ..	9 9 9	78	54·2	41·2	47·7	-	62	10	27	1	-	-	2·53	64	-	·53	17	16	12	0	0	0	0	1	3	0	2·82	-	21
Bedford	Luton	9 9 9	381	54·1	40·8	47·5	+2·2	61	22	22	1	47·6	45·9	2·93	74	-	·81	16	15	13	-	-	-	-	5	6	-	2·85	65	21
	Woburn	9 9 9	291	54·3	40·4	47·3	+1·8	61	22	26	1	47·9	46·3	2·54	64	169	·57	20	15	11	0	0	0	2	2	3	-	3·21	68	23
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	53·2	40·9	47·1	+1·9	59	22,23	28	1	46·5	-	2·72	69	169	·73	16	17	13	0	0	0	1	4	4	0	3·18	64	23
	St. Albans ..	9 9 9	272	54·9	40·6	47·7	+1·8	61	22	27	1	48·1	-	2·93	74	191	·81	16	18	11	0	0	0	1	2	6	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	51·7	42·6	47·1	+1·0	60	22	37	26	48·6	47·1	2·45	62	178	·43	2	16	11	0	0	0	0	1	0	-	3·10	55	23
	Chelmsford ..	9 9 9	134	55·0	41·4	48·2	+1·9	61	22	29	1	-	-	2·77	70	220	·58	16	16	12	0	0	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	55·3	41·2	48·3	-	60	3,8,22	30	1	-	-	3·07	78	-	·55	20	17	14	0	0	0	1	-	7	-	3·17	-	23
	Earls Colne ..	9 9 9	168	55·3	42·3	48·8	+1·5	62	8	30	1	-	-	2·94	75	-	·61	9	15	13	0	0	0	0	-	-	-	-	-	-
	Halstead ..	9 9 9	140	55·6	41·4	48·5	+1·6	62	24	29	1	-	-	3·15	80	-	·61	9	15	12	0	0	0	1	1	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	54·1	42·5	48·3	+1·8	62	22	31	1	-	-	3·00	76	246	·59	10	14	10	0	0	0	1	3	5	0	3·12	61	23
4 MIDLAND COUNTIES																														
Yorks.,	Askham Bryan	9 9 9	90	53·5	40·4	46·9	-	61	23,29	30	27	-	-	2·98	76	-	·71	16	19	14	0	0	0	0	2	3	-	2·51	-	18
W. Riding	Bingley	9 9 9	610	51·3	39·9	45·6	-	60	9	32	1	-	-	2·74	70	-	·51	16	19	13	0	0	0	0	1	2	-	-	-	-
	Bradford ..	9 9 9	439	52·4	41·0	46·7	+2·4	60	9	32	1	44·8	42·1	2·52	64	125	·42	16	20	10	-	-	-	-	4	1	-	2·52	59	18
	Doncaster ..	9 9 9	30	54·3	40·5	47·4	-	63	9	25	1	-	-	3·11	79	-	·63	15	17	14	0	0	0	1	1	7	-	2·66	-	19
	Giggleswick ..	9 9 9	575	52·3	39·8	46·1	+2·6	61	30	30	1	-	-	3·06	78	-	·67	15	19	15	0	0	0	0	0	-	0	2·81	66	20
	Harrogate ¶§	9 9 9	478	51·8	40·9	46·3	+2·3	60	9	33	27	44·6	43·5	3·12	79	156	·61	16	17	12	0	0	0	0	7	3	0	2·31	49	17
	Huddersfield ..	2121 9	325	53·5	41·6	47·5	+2·8	62	9	32	1,12	45·0	42·7	2·42	61	126	·40	16	18	11	0	0	0	0	1	6	-	2·31	59	17
	,, (Oakes)	9 9 9	761	53·2	40·0	46·6	+2·4	61	9,30	31	1	44·5	42·2	2·47	63	112	·40	15	19	11	1	0	0	1	7	4	0	-	-	-
	Meltham .. **	9 9 9	514	52·9	40·0	46·5	+2·2	61	30	30	12	44·3	43·7	2·26	57	81	·38	16	18	14	0	0	0	1	3	5	-	-	-	-
	Pontefract ..	9 9 9	255	52·2	41·0	46·6	+0·8	60	9	29	1	-	-	3·21	81	209	·68	16	19	12	-	-	-	-	6	3	-	-	-	-
	Sheffield ..	9 9 9	428	53·1	41·4	47·3	+1·6	59	9,30	31	1	44·5	42·6	2·22	57	115	·37	15	15	11	0	0	0	1	-	3	0	2·68	63	19
	Wakefield ..	9 9 9	124	54·9	41·4	48·1	+2·4	63	23	29	1	45·9	43·8	2·74	70	162	·59	16	19	11	0	0	1	1	4	6	-	2·31	58	17
Derby	Belper (School) ..	9 9 9	222	54·9	41·1	48·0	+2·3	60	3,23,29	28	1	-	-	2·18	55	115	·49	15	15	9	0	0	0	1	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	50·2	39·0	44·6	+1·9	59	30	26	1	42·9	41·2	4·66	118	158	1·16	16	14	13	0	0	0	0	6	6	-	2·50	60	18
Nottingham	Attenborough ..	18 7 7	8	55·0	41·0	48·0	-	63	9	28	1,12,27	47·9	45·9	2·05	52	-	·34	20	13	10	0	0	1	1	7	6	0	-	-	-
	Mansfield ..	9 9 9	357	53·8	40·8	47·3	+1·5	61	29	27	1	-	-	2·44	62	-	·43	16	12	10	0	0	0	1	6	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft

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

†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS APRIL, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
4 MID COUNTIES—*cont.*																														
Nottingham *cont.*	Nottingham ¶§	9 9 9	192	54·3	42·0	48·1	+2·0	61	23	30	1	45·7	44·1	2·60	66	183	·51	3	14	12	-	-	-	-	4	3	-	2·45	57	18
	Sutton Bon'gton	9 9 9	157	54·8	40·8	47·8	+1·7	61	23	24	1	47·0	-	2·20	56	160	·41	17	12	9	0	0	0	0	1	3	-	2·91	72	21
	Worksop ..	9 9 9	56	54·3	41·1	47·7	+1·4	63	9	26	1	47·3	45·4	2·51	64	172	·56	16	15	11	0	0	0	0	-	6	0	2·75	54	20
Leicester	Belvoir Castle ..	2121 9	259	53·7	40·5	47·1	+2·0	60	9	30	1	46·9	44·6	2·79	71	182	·59	17	15	11	-	-	-	-	-	6	-	2·96	59	21
	Leicester ..																													
Northampton	Oundle	9 9 9	147	54·3	40·6	47·5	+2·2	60	6,7,10	28	1	47·1	44·6	1·94	49	-	·39	20	14	11	0	0	0	1	3	6	-	3·29	78	24
Warwick	Birmingham ¶§	18–7 7	535	54·0	42·5	48·3	+2·5	59	7,9,29	33	1	45·0	44·9	2·86	73	165	·63	2	15	12	0	0	0	1	7	6	0	3·50	83	25
	,, Sparkhill	713 7	425	55·8	41·5	48·7	+2·8	61	9,23,30	29	1	-	-	2·74	70	148	·54	2	15	13	0	0	2	1	8	7	-	-	-	-
	Coventry	9 9 9	241	55·5	41·6	48·5	+2·0	61	7,22	27	1	47·9	46·3	3·50	89	207	·73	2	16	12	0	0	0	0	1	5	-	3·40	76	25
	Rugby	2121 9	390	55·2	38·5	46·9	+1·6	61	23	28	1	-	-	3·27	83	-	·51	2	14	12	0	0	0	1	-	7	-	3·14	-	23
	Stratford-on-Avon	9 9 9	210	55·7	42·4	49·1	-	62	11	30	1	-	-	2·55	65	-	·56	10	18	13	0	0	0	0	0	-	-	3·86	-	28
Oxford	Oxford .. ¶§	9 9 9	208	56·3	42·8	49·5	+2·6	63	23	29	1	49·3	46·7	2·63	67	163	·47	16	17	12	0	0	0	1	3	4	0	3·44	70	25
Bucks	Halton	9 9 9	544	54·9	40·8	47·9	-	60	10,23	32	1,4,26	47·6	45·0	3·18	81	-	·70	16	12	11	0	0	0	1	2	5	-	3·50	-	25
	Mursley	9 9 9	490	54·1	40·4	47·3	+2·0	59	7,9,27	25	1	45·6	-	2·72	69	169	·56	18	16	13	-	-	-	-	-	-	-	2·98	66	22
Stafford	Market Drayton	9 9 9	581	54·8	40·7	47·7	-	61	7,9	31	1	-	-	2·71	69	-	·59	16	12	11	0	0	0	0	2	4	-	4·04	-	29
	Mayfield	9 9 9	374	54·0	40·3	47·1	+2·6	60	7	27	1	-	-	2·15	55	107	·32	15	13	11	0	0	1	1	-	5	-	3·22	71	23
Shropshire	Newport	9 9 9	211	55·6	41·3	48·5	-	60	7,25,29	32	1,13,14	-	-	1·98	50	129	·47	20	15	9	0	0	0	0	0	7	-	3·72	-	27
	Shrewsbury ..	9 9 9	184	56·4	41·4	48·9	+2·8	62	7,29	31	13	47·8	46·1	1·77	45	-	·54	2	17	10	0	0	0	1	1	8	0	3·46	-	25
Worcester	Malvern	9 9 9	380	55·7	43·5	49·6	+2·7	62	23	32	1	48·3	45·2	2·31	59	127	·43	20	13	12	0	0	0	0	2	1	-	3·69	72	27
	Worcester .. (Perdiswell)	9 9 9	94	56·8	42·4	49·6	+2·9	62	23,25,29	29	1	-	-	1·75	44	-	·45	20	14	10	0	0	0	0	-	8	-	3·56	-	26
Hereford	Bromyard ..	9 9 9	393	55·7	42·1	48·9	+3·2	63	23	32	1	48·2	44·7	1·98	50	-	·48	20	14	12	0	0	0	0	3	3	-	-	-	-
	Hereford ..	9 9 9	292	55·8	42·7	49·3	+3·1	63	23	33	1	-	-	1·89	48	104	·45	20	15	12	0	0	0	0	0	1	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	55·6	43·4	49·5	+2·8	63	23	34	1	48·6	46·2	1·87	47	99	·32	20	15	11	0	0	1	0	2	6	0	3·41	72	25
Gloucester	Bristol (Horfield)	18–7 7	206	56·9	43·3	50·1	-	64	24	35	1	49·1	46·9	2·89	73	-	·91	10	19	13	0	0	1	4	1	2	0	-	-	-
	Cheltenham ..	2121 9	214	56·4	42·0	49·2	+2·3	63	23	35	1	49·0	46·9	2·26	57	133	·66	10	15	13	0	0	0	1	1	4	0	3·84	77	28
	Cirencester ..	9 9 9	443	54·6	41·2	47·9	+2·4	62	23	31	1	-	-	3·28	83	-	·74	16	19	16	0	0	1	0	2	6	-	3·84	73	28
	Parkend	9 9 9	325	55·3	41·0	48·1	-	62	23,24	29	1	47·4	44·9	2·45	62	-	·43	15	14	11	0	0	0	0	0	5	-	3·99	-	29
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—																									2·81	69	20
	Camden Square ..	9 9 9	110	56·9	43·7	50·3	+2·0	63	23,27	33	1	47·5	45·5	2·64	67	172	·52	2	14	12	0	0	1	1	-	2	-	-	-	-
	East Ham ..	9 9 9	15	56·4	43·1	49·7	+2·5	62	23	33	1	-	-	2·76	70	200	·55	2	14	12	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	55·4	42·5	48·9	+1·4	62	27	31	1	-	46·2	2·73	69	187	·55	20	14	13	0	0	0	2	3	1	-	3·05	63	22
	gGreenwich ..	2424 9	149	57·5	42·0	49·7	+2·2	65	3	31	1	47·3	46·2	2·44	62	167	·47	2	14	12	0	0	0	1	4	6	0	2·73	59	20
		21 9 –	—	57·5	42·7	50·1																								
	Hampstead ..	9 9 9	450	54·1	40·5	47·3	+1·4	61	27	30	1	-	-	2·74	70	-	·45	2,16	14	13	0	0	0	1	-	6	-	3·09	64	22
	Kensington ..	18–9 9	80	56·6	44·0	50·3	+2·0	62	27	33	1	48·2	46·2	2·31	59	150	·43	2	13	13	0	0	0	0	4	3	0	2·72	-	20
	Kingsway ..	—	—																									2·64	-	19
	Regent's Park ..	9 9 9	129	56·4	43·2	49·8	-	62	23,27	33	1	-	-	2·33	59	-	·43	2	13	12	0	0	0	1	4	3	-	2·93	70	21
	Kew ¶§	242424	18	56·3	43·5	49·9	+2·8	61	23	31	1	48·9	46·8	1·98	50	136	·58	2	16	9	0	0	0	3	4	4	0	3·40	70	25
	Observatory ..	18–7 –	—	56·2	43·7	49·9	+2·2																							
	Tottenham ††¶§	2121 9	51	57·0	44·1	50·5	+2·6	63	27	34	1	-	46·9	2·68	68	184	·52	2	15	12	0	0	1	1	-	1	-	3·15	67	23
	Westminster ..	9 9 9	27	56·7	43·7	50·2	+1·8	63	23	35	1,4	-	-	2·25	57	163	·45	2	14	12	0	0	0	0	-	1	-	2·83	63	21
Surrey	Addington ..	9 9 9	472	54·7	41·9	48·3	+2·5	60	9,23	31	1	-	-	2·70	69	-	·46	2	13	12	0	0	0	0	3	-	-	-	-	-
	Croydon	18–7 7	217	56·6	43·7	50·1	+3·0	63	27	28	1	-	-	2·51	64	152	·51	2	13	11	0	0	1	2	3	2	0	3·40	77	25
	Wisley	9 9 9	150	56·8	41·9	49·3	+2·5	63	27	24	1	49·4	-	2·34	59	-	·72	2	16	13	0	0	0	2	2	10	0	3·20	65	23
Kent	Biggin Hill ..	18–7 7	567	53·8	42·3	48·1	+2·7	59	9,23	30	1	-	-	2·92	74	151	·50	2	16	11	0	0	2	2	6	5	0	3·66	77	27
	Bromley	9 9 9	213	56·4	42·2	49·3	-	62	4,23	29	1	-	-	2·23	57	155	·43	2	13	12	0	0	1	1	3	3	-	-	-	-
	Canterbury ..	9 9 9	135	56·7	42·9	49·8	+2·7	63	14	30	1	48·1	46·6	2·03	52	-	·42	9	14	11	-	-	-	-	-	2	-	-	-	-
	Dover	9 9 9	22	54·2	44·5	49·3	+2·8	62	22	35	1	50·2	48·3	2·53	64	-	·59	9	15	12	0	0	0	0	2	0	0	4·57	81	34
	Dungeness ..	18–7 7	20	54·1	43·1	48·6	+2·2	60	23	32	27	-	-	2·51	64	183	·73	2	15	12	0	0	0	0	2	-	0	-	-	-
	East Malling ..	9 9 9	132	55·4	41·7	48·5	+1·8	63	22	28	1	-	-	2·47	63	-	·42	9	17	11	0	0	0	0	2	4	6	0	3·49	79	26
	Folkestone ..	9 9 9	101	53·8	43·7	48·7	+1·9	61	22	37	26	-	48·5	2·62	67	-	·69	9	15	12	0	0	0	0	1	1	1	-	4·30	72	31
	Goudhurst ..	9 9 9	290	55·9	41·4	48·7	-	61	22,23,24	27	1	-	-	2·69	68	-	·43	9	15	12	0	0	1	1	3	6	-	-	-	-
	Lympne	18–7 7	346	53·7	42·3	48·0	+2·3	60	10,22	34	1	-	46·8	2·85	72	173	·80	2	16	11	0	0	0	0	4	2	0	4·82	90	35
	Manston	18–7 7	142	53·8	43·1	48·5	-	62	9	34	1	-	-	2·11	53	-	·46	9	15	8	0	0	0	0	1	1	0	3·89	-	29
	Margate .. ¶§	9 9 9	51	53·0	44·4	48·7	+1·5	61	6	41	1,26	49·2	47·6	1·93	49	145	·49	9	14	10	0	0	0	0	1	0	0	3·63	61	27
	Tunbridge W. ..	9 9 9	355	55·9	41·2	48·5	+2·2	62	9	29	1	48·5	46·5	2·24	57	-	·33	9	16	14	0	0	1	2	0	3	0	3·80	73	28
	Wye	9 9 9	164	55·9	42·6	49·3	+2·6	62	4,14,22	31	1	-	-	2·64	67	-	·39	9	15	13	0	0	0	0	-	1	0	4·06	86	30
Sussex	Ardingly ..	9 9 9	437	55·6	42·1	48·9	+3·2	62	23	32	1	-	-	3·50	89	-	·51	2	18	15	0	0	0	5	-	2	-	-	-	-
	Beachy Head ..	18–7 7	502	52·5	41·5	47·0	+1·7	58	9,10	35	27,28	-	-	3·09	79	-	·57	2	15	13	0	0	0	1	8	-	-	-	-	-
	Brighton ..	9 9 9	32	55·0	44·7	49·9	+2·5	62	23	35	1	-	47·9	2·59	66	161	·57	9	13	12	0	0	0	0	1	0	0	4·70	81	35
	Eastbourne ..	2121 9	35	54·8	44·8	49·8	+2·8	64	23	34	1	50·1	48·4	3·05	77	169	·53	2	16	13	0	0	0	0	1	1	-	4·88	81	36
	Hastings ¶§	2121 9	149	54·5	43·6	49·1	+2·3	61	22,23	36	27	51·8	48·8	2·69	68	163	·51	2	15	12	0	0	0	0	0	1	0	5·26	90	39
Berkshire	Ascot H'therw'd	2121 9	300	56·6	41·4	49·0	+2·5	63	23	30	1	-	-	2·54	65	-	·85	16	16	13	0	0	1	2	2	5	-	3·81	84	28
	Reading	9 9 9	152	57·7	43·0	50·3	+3·4	64	23	30	1	48·3	46·6	1·98	50	-	·36	2	17	12	0	0	0	2	-	2	0	-	-	-
	Shinfield ..	9 9 9	200	57·1	41·4	49·3	+2·9	63	23	28	1	-	-	2·03	52	-	·41	16	15	12	0	0	0	0	-	-	-	-	-	-
	Warfield	9 9 9	220	55·9	41·7	48·8	-	62	23	29	1	48·1	-	2·55	65	-	·75	16	13	12	0	0	0	1	6	2	-	3·31	-	24

†† 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 APRIL, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	56·9	44·0	50·5	+3·2	67	23	36	1	49·6	47·5	2·28	58	129	·40	15	17	16	0	0	0	0	2	-	-	4·53	77	33
	Calshot	18–7 7	8	55·4	44·9	50·1	+1·8	64	23	38	27	-	-	2·31	59	159	·47	14	15	14	0	0	0	1	1	0	0	4·73	89	35
	Leckford ..	9 9 9	385	56·0	41·8	48·9	-	63	23	32	1	47·8	-	2·18	55	-	·65	11	15	11	0	0	0	-	0	-	-	4·26	-	31
	Long Sutton ..	9 9 9	479	56·2	40·8	48·5	+2·4	62	23	30	1	48·6	-	2·25	57	-	·36	2	17	13	0	0	0	0	1	4	-	3·21	69	23
	Southamp'n ¶§	2121 9	64	56·7	44·5	50·6	+2·9	64	23	38	27	-	-	2·19	56	119	·41	14	17	14	0	0	0	1	0	0	0	4·48	83	33
	S. Farnboro' ..	18–7 7	237	57·4	41·9	49·7	+3·0	64	23,27	25	1	-	-	1·92	49	128	·44	2	15	11	0	0	0	1	4	8	0	4·01	81	29
I. of Wight	Newport	9 9 9	48	58·2	43·7	50·9	+3·5	68	23	33	1	-	-	3·15	80	-	·57	15	18	15	0	0	0	1	1	2	0	-	-	-
	Ryde	9 9 9	13	56·1	45·0	50·5	+2·8	65	23	40	1	-	-	2·16	55	-	·31	15	16	14	0	0	0	0	0	-	0	4·79	87	35
	Sandown ..	9 9 9	13	55·6	44·9	50·3	+2·6	65	23	38	27	-	-	2·34	59	-	·40	9	17	13	0	0	0	0	0	-	-	5·17	87	38
	Totland Bay ..	9 9 9	140	54·7	43·8	49·3	+2·5	64	23	36	1	-	-	2·27	58	137	·41	15	17	13	0	0	0	1	2	0	1	5·10	87	37
	Ventnor(Hospital)	9 9 9	59	55·7	45·3	50·5	+2·6	66	23	39	27	-	-	2·13	54	126	·28	15	16	13	0	0	0	0	-	-	0	5·15	86	38
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	55·8	42·5	49·1	-	61	23,24	33	1	-	-	2·20	56	-	·70	10	16	12	0	0	0	0	2	1	0	4·21	-	31
	Larkhill	9 9 9	440	55·7	42·2	48·9	+3·4	62	23	34	1,26	-	-	1·96	50	118	·76	10	15	12	0	0	0	0	1	4	0	-	-	-
	Marlboro' ‖ ¶§	9 9 9	424	55·8	40·5	48·1	+3·1	64	23	30	1	49·2	48·0	4·09	104	208	1·28	10	19	13	0	0	0	1	1	8	0	3·77	79	28
	Porton	9 9 9	363	56·7	41·6	49·1	+3·8	64	23	33	1,27	48·3	-	2·02	51	119	·53	10	15	13	0	0	0	0	0	8	0	4·39	94	32
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	53·5	41·5	47·5	+2·6	63	29	35	1,15,27	45·3	42·7	2·12	54	69	·38	7	16	15	0	0	0	0	1	2	0	2·92	70	21
	Newton Rigg ¶§	2121 9	560	53·1	40·3	46·7	+3·1	63	30	32	1,26	-	-	2·27	58	109	·42	16	19	12	0	0	0	0	0	7	0	3·10	66	23
Westmorland	Ambleside ..	9 9 9	145	54·7	41·6	48·1	-	64	29	28	1	-	-	3·71	94	-	·64	19	17	14	0	0	0	0	0	-	-	3·16	-	23
	Appleby	9 9 9	440	54·1	40·0	47·1	+3·5	64	30	30	27,28	-	-	1·79	45	91	·41	16	18	13	0	0	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	53·9	42·4	48·1	+2·8	63	29	32	12	48·8	43·3	3·75	95	146	·54	16	16	15	0	0	0	0	-	2	-	3·09	88	268
	Burnley	9 9 9	458	52·7	41·1	46·9	+3·0	59	9,25,29	30	26	45·4	43·4	2·70	69	-	·37	15	18	16	0	0	0	0	3	-	-	2·53	62	18
	Darwen	2121 9	724	53·0	40·2	46·6	+2·9	62	25,29	31	1,26	46·7	42·7	4·81	122	163	·86	17	18	15	0	0	0	1	4	5	-	3·23	78	23
	Hutton	9 9 9	82	54·2	42·1	48·1	+2·9	61	25	32	26	46·5	44·0	2·62	67	-	·44	16	15	15	0	0	0	0	2	3	0	3·20	67	23
	Lancaster ..	9 9 9	312	53·7	41·7	47·7	+2·1	61	10	34	26	45·1	43·7	3·26	83	145	·67	16	18	15	0	0	0	0	1	1	-	2·72	54	19
	Leyland	9 9 9	125	54·8	41·3	48·1	+2·8	61	7,9,29	29	12	-	-	2·74	70	136	·42	16	17	16	0	0	0	0	0	4	-	3·67	77	26
	Manchester (Barton) ..	18–7 7	70	54·8	42·0	48·4	-	62	29	32	12,26	-	-	2·57	65	-	·33	7	16	13	0	0	1	1	4	6	0	3·45	-	25
	(Oldham Road)	2121 9	191	55·1	44·0	49·5	+2·8	63	25	36	1,12	46·4	44·8	2·64	67	134	·39	16	16	14	0	-	0	0	-	0	-	2·44	65	188
	(Whitworth Pk.)	2121 9	125	55·0	43·7	49·3	+3·0	62	29	35	1,12	-	-	2·64	67	137	·41	16	16	13	-	-	-	1	1	-	2·74	74	20
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	54·9	42·0	48·5	+2·6	62	9	31	12	47·9	46·4	2·78	71	150	·51	16	17	14	0	0	0	0	0	7	0	3·92	71	28
	Stonyhurst ¶§	9 9 9	377	52·8	41·5	47·1	+2·5	60	29	32	1	-	-	2·78	71	102	·44	7	18	15	0	0	0	0	0	3	0	2·84	61	20
Cheshire	Bidston Obs'y ..	9 9 9	198	53·4	42·9	48·1	+2·2	60	30	35	1	-	-	2·82	72	175	·40	16	17	14	0	0	0	0	2	0	0	3·87	75	28
	Hoylake	9 9 9	23	55·0	42·4	48·7	+2·2	61	9	30	12	-	-	2·64	67	164	·45	15	16	10	0	0	0	0	-	5	-	3·82	70	28
	Macclesfield ..	9 9 9	500	54·7	41·6	48·1	+3·6	59	7,29,30	32	26	-	-	3·81	97	183	·99	17	14	11	0	0	1	0	0	-	-	-	-	-
	West Kirby ..	9 9 9	25	54·3	42·0	48·1	+1·2	61	3	31	12	-	-	2·70	69	167	·45	16	16	12	0	0	0	0	0	6	-	4·06	81	29
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	56·0	42·7	49·3	+2·6	61	7,9,22	30	12	-	-	3·12	79	-	·91	16	16	12	0	0	0	0	0	-	-	-	-	-
	Rhyl	9 9 9	31	54·1	43·0	48·5	+2·2	61	8	32	12	-	-	2·50	64	163	·60	16	15	10	0	0	1	0	0	2	0	4·01	73	29
	Sealand .. ¶§	18–7 7	16	55·4	42·2	48·8	+2·7	62	7	29	12	47·5	45·9	3·17	80	212	·85	16	17	11	0	0	0	0	3	7	1	4·04	87	29
Anglesey	Holyhead ¶§	18–7 7	26	53·1	44·2	48·7	+2·4	60	23	39	1,4	-	-	1·93	49	92	·41	19	15	11	0	0	0	0	2	1	1	4·38	76	32
Denbigh	Colwyn Bay ..	9 9 9	118	54·3	43·4	48·9	+1·8	62	8	33	12	-	-	2·06	52	111	·52	16	18	12	0	0	0	0	0	-	-	4·28	80	31
Carnarvon	Aber	9 9 9	60	54·6	43·1	48·9	+1·8	62	9	37	1,13	-	-	3·36	85	-	·47	2,16	18	14	1	1	1	0	-	7	0	3·76	80	27
	Llandudno ..	9 9 9	13	53·8	44·0	48·9	+2·2	61	9	35	12	-	-	2·56	65	151	·45	5,16	17	12	0	0	0	0	0	3	0	4·08	73	29
Montgomery	Welshpool ..	9 9 9	254	56·5	41·8	49·1	+3·2	66	25	31	1,13	-	-	1·63	41	90	·35	2	15	9	0	0	0	2	1	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	54·0	44·8	49·4	+3·1	59	9,10	39	1	-	-	2·75	70	-	·52	19	16	12	0	0	0	0	0	-	-	3·61	69	26
	„ P.B.S.†	9 9 9	452	53·2	43·4	48·3	+2·7	58	28,29	39	1	-	-	2·70	69	-	·50	19	17	11	0	0	0	0	0	1	0	3·64	75	26
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	3·08	78	-	·70	20	18	15	0	0	1	1	0	-	0	3·93	-	29
Pembroke	Haverfordwest ..	2121 9	233	55·5	43·6	49·5	+3·6	65	24	30	19	-	-	2·71	69	-	·58	15	13	10	0	0	0	0	0	-	-	4·36	75	32
	St. Ann's Hd. ¶§	18–7 7	142	52·6	44·5	48·5	+2·1	61	24	40	19	-	-	1·90	48	99	·46	15	13	10	0	0	0	0	0	-	4	4·08	71	29
Radnor	Llandrindod Wells	9 9 9	772	55·8	40·8	48·3	-	64	23,30	33	1,13,29	-	-	2·80	71	-	·66	20	17	13	0	0	0	0	0	-	0	3·12	-	23
	Rhayader ¶§	9 9 9	757	54·1	40·6	47·3	+3·8	62	29	32	1,29,30	-	-	2·87	73	97	·70	2	19	12	0	0	0	1	1	10	0	3·26	75	24
Brecknock	Cantref	9 9 9	1080	51·4	40·2	45·8	-	59	24,26	33	19	-	-	5·82	148	-	·80	6	19	16	0	0	0	0	0	-	-	3·34	-	24
Glamorgan	Cardiff	2121 9	202	56·1	43·4	49·7	+3·2	64	24	36	19	48·6	46·2	3·84	97	155	·68	15	16	12	0	0	0	0	1	0	0	3·61	66	26
	Swansea	9 9 9	32	55·6	45·5	50·5	+2·7	65	28	37	19	51·0	50·9	3·40	86	-	·77	6	17	14	0	0	0	0	0	1	-	4·07	78	29
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	56·4	43·5	49·9	+2·6	65	23	36	1,19	48·3	45·5	3·91	99	-	·79	15	18	15	-	-	-	-	0	-	-	3·95	-	29
	Usk	9 9 9	70	56·4	41·7	49·1	+2·6	64	23,24	30	19	51·2	-	3·07	78	-	·70	15	14	12	0	0	0	0	0	2	0	3·82	88	28
Somerset	Bath .. ¶§	9 9 9	67	57·3	44·2	50·7	+3·4	65	23	35	1	50·1	47·5	2·58	65	126	·66	10	16	13	0	0	0	4	0	-	0	3·94	76	29
	Cannington ..	9 9 9	95	56·5	44·6	50·5	-	65	24	36	1	-	-	2·33	59	-	·38	13	18	15	0	0	0	1	0	1	0	4·18	-	31
	Long Ashton ..	9 9 9	162	56·7	43·1	49·9	+3·0	64	24	33	1	-	-	2·62	67	121	·58	10	17	12	0	0	0	1	0	5	0	3·83	75	28

† Plant Breeding Station. ¶§ *See* Notes on Tables on last page of this issue. ‖ On and after April 18th 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 APRIL, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
8b ENGLAND, S.W.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
Dorset	Holton Heath ..	9 9 9	64	56·5	43·8	50·1	+3·2	65	23	32	1	50·8	48·5	2·39	61	-	·46	15	18	14	0	0	0	0	1	3	0	4·08	79	30
	Portland Bill ..	18–7 7	32	52·2	45·3	48·7	+1·8	60	28	42	26	-	-	1·67	42	111	·30	15	17	13	0	0	0	0	1	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	55·0	42·3	48·7	+3·4	62	23	36	1	-	-	1·67	42	79	·22	13	16	15	0	0	0	0	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	54·7	42·8	48·7	+3·3	62	24	32	19	-	-	5·00	127	163	·97	19	17	16	0	0	0	0	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	56·9	44·7	50·8	+3·5	65	23,24	32	19	50·7	-	3·43	87	150	·71	10	15	14	0	0	0	4	0	3	-	4·25	75	32
	Ilfracombe ..	9 9 9	25	54·4	46·3	50·3	+2·6	60	28	42	30	50·7	49·3	3·47	88	173	·66	10	16	11	0	0	0	0	0	0	-	4·04	75	29
	Killerton ..	9 9 9	159	57·8	44·4	51·1	+4·0	66	24	34	19	-	-	3·29	83	-	·57	15	17	14	-	-	-	1	3	-	-	-	-	-
	Moretonhampstead	9 9 9	798	53·3	43·2	48·3	-	61	24	35	19	47·5	45·0	5·67	144	-	1·23	1	17	15	0	0	1	0	2	4	0	3·49	-	26
	Newton Abbot ..	9 9 9	375	56·5	44·9	50·7	+3·5	65	23	35	19	-	-	3·61	92	170	·71	10	16	15	0	0	0	0	2	1	-	4·02	177	30
	Paignton ..	9 9 9	12	56·2	46·3	51·3	+3·4	64	23,27	37	19	-	-	3·51	89	-	·97	10	15	11	0	0	0	1	0	1	-	4·16	71	31
	Plymouth (Hoe)	2121 9	117	56·1	46·2	51·1	+3·3	66	24,28	37	19	50·9	49·0	3·39	86	149	·86	15	13	11	0	0	0	0	0	2	1	3·97	68	29
	Plymouth (Mount Batten) ..	18–7 7	82	55·1	46·8	50·9	+3·4	65	24,28	39	11,19	-	-	3·66	93	-	·59	15	15	12	0	0	0	0	1	0	0	3·88	70	29
	Princetown ..	9 9 9	1430	51·1	40·8	45·9	+3·0	59	24	33	9	-	-	6·11	155	122	·85	15	18	17	0	0	0	0	12	1	-	-	-	-
	Sidmouth ..	9 9 9	25	55·8	45·7	50·7	+3·7	65	23	38	19	-	-	2·63	67	-	·51	1	16	13	0	0	0	0	1	-	-	4·26	-	32
	Tavistock ..	9 9 9	457	55·5	44·1	49·8	+3·2	65	24	33	11	-	48·6	3·18	81	109	·51	15	18	14	0	0	0	0	0	3	0	-	-	-
	Teignmouth ..	9 9 9	20	56·0	47·1	51·5	+3·2	66	23	39	18	-	-	2·67	68	133	·59	10	15	11	0	0	0	0	1	-	-	4·09	70	30
	Torquay	9 9 9	27	55·7	46·6	51·1	+2·7	65	23	39	18,19	-	48·7	3·29	84	164	·96	10	14	13	0	0	1	1	1	0	0	4·19	69	31
Cornwall	Falmouth Obs. ¶§	9 9 9	167	54·8	46·3	50·5	+2·6	61	23,28	37	19	51·3	49·9	3·65	93	139	·65	1	15	13	0	0	0	0	3	2	-	4·03	65	30
	Fowey	9 9 9	51	56·0	46·1	51·1	+2·6	65	28	37	19	-	-	3·34	85	-	·57	10	18	14	0	0	0	0	0	-	-	3·33	57	25
	Gulval	9 9 9	20	55·5	45·9	50·7	+2·3	62	24	37	19	-	-	2·95	75	-	·77	1	16	9	0	0	0	0	-	0	-	3·66	63	27
	The Lizard ..	18–7 7	240	53·5	46·0	49·7	-	62	28	38	19	-	-	3·01	76	-	·72	1	16	13	0	0	0	0	0	-	1	-	-	-
	Newquay ..	9 9 9	190	54·1	45·7	49·9	+2·8	64	24	34	19	49·7	48·1	2·26	57	112	·43	15	15	12	0	0	0	0	0	-	0	3·10	52	23
	Redruth	9 9 9	397	53·3	44·3	48·8	+2·3	61	24	35	19	-	-	3·94	100	137	·98	1	17	16	0	0	0	0	2	2	0	-	-	-
9 IRELAND, N.																														
Sligo	Markree Cas. ¶§	2121 9	122	54·6	43·4	49·0	+3·5	65	24,29	28	18	47·4	45·1	2·73	69	102	·71	9	18	13	0	0	0	0	0	-	0	2·62	53	19
Mayo	Blacksod Pt. ¶	18–7 7	18	52·4	42·7	47·5	+0·3	60	24,25	37	19	-	-	2·67	68	92	·46	15	17	11	0	0	0	0	1	-	0	-	-	-
	Mallaranny §	9 9 9	113	55·1	44·2	49·7	+3·2	69	24	35	18	-	-	3·70	94	-	·63	21	16	12	-	-	-	-	0	-	-	2·67	54	20
Donegal	Malin Head ¶§	18–7 7	84	50·5	44·1	47·3	+2·3	63	30	37	12	-	-	1·94	49	99	·37	16	17	11	0	0	2	0	2	-	0	2·71	49	20
Antrim	Aldergrove ..	18–7 7	238	53·5	42·0	47·7	-	65	30	33	11,12	-	-	2·64	67	124	·50	9	17	13	0	0	1	0	0	3	0	1·92	-	14
Down	†Donaghadee ..	8 8 8	30	51·3	42·9	47·1	+2·2	61	22	36	19	-	-	2·57	65	128	·73	9	16	13	-	-	-	-	1	-	-	2·29	-	17
	Hillsborough ..	9 9 9	388	51·9	41·8	46·9	-	63	30	34	11	45·5	-	2·15	55	-	·42	9,19	16	11	0	0	0	0	1	3	0	1·99	-	14
Armagh	Armagh .. ‖ ¶§	2121 9	204	54·6	42·5	48·5	+3·2	66	30	33	13	47·4	45·0	2·27	58	109	·38	7	14	12	0	0	1	0	0	3	0	1·64	33	12
Longford	Newtownforbes ..	2121 9	154	54·7	42·8	48·7	+3·6	65	8	29	18	47·1	45·0	2·43	62	101	·59	9	12	11	0	0	0	0	-	-	-	-	-	-
10 IRELAND, S.																														
Dublin	Dublin City .. ¶	2121 9	54	54·6	45·1	49·9	+2·8	64	23	37	12,18	-	-	1·80	46	95	·39	3	14	10	0	0	0	0	0	0	0	-	-	-
	,, Glasnevin ..	2121 9	55	54·9	42·2	48·5	+2·8	66	23	30	12	-	-	1·80	46	95	·37	3	15	12	0	0	0	0	3	4	0	-	-	-
	,, Phœnix Pk. §	2121 9	155	54·6	41·7	48·1	+3·2	64	23	29	12	-	-	1·52	39	84	·34	3	16	10	0	0	0	0	4	5	0	2·71	51	20
	,, Trin. Coll. ..	2121 9	13	54·6	44·8	49·7	+3·0	65	23	36	12	48·9	46·7	1·76	45	95	·35	3	14	11	0	0	0	0	-	1	0	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	54·5	38·5	46·5	-	64	23,30	31	10	46·3	44·7	1·76	45	-	·37	3	14	10	-	-	-	-	0	-	-	2·78	-	20
	Rathfarnham ..	9 9 9	169	54·1	43·2	48·7	-	66	23	32	12	46·4	-	1·89	48	-	·44	3	13	10	0	0	0	0	1	3	-	3·07	-	23
Wicklow	Newcastle ..	2121 9	256	54·6	42·3	48·5	+2·6	63	27, 29, 30	34	12	-	-	3·44	87	-	·78	2	15	11	0	0	0	0	1	-	-	-	-	-
Offaly	Birr Castle ¶§	18–7 7	173	55·9	43·7	49·8	+4·1	66	24,29	33	12,18	47·1	45·2	2·66	67	125	·67	9	16	14	0	0	0	0	0	4	0	2·33	46	17
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	53·2	43·0	48·1	+2·5	65	24,25	36	12,18	-	-	4·17	106	-	·89	9	19	15	0	0	0	0	3	4	0	2·86	54	21
	Waterford ¶	9 9 9	137	55·2	44·8	50·0	+3·1	66	23	35	19	-	-	3·45	88	137	·65	15	15	10	0	0	0	0	11	-	0	-	-	-
Limerick	Foynes	9 9 9	43	55·2	45·2	50·2	+3·2	65	24,30	39	12,18	-	-	2·80	71	115	·71	9	16	12	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	54·3	45·9	50·1	+2·8	63	24	41	1,12	50·0	47·8	3·33	85	92	·69	6	20	14	0	0	0	0	1	1	2	3·35	62	24
		18–7 –	—	54·6	45·4	50·0	+2·6																							
Cork	Ballinacurra §	9 9 9	24	55·2	44·2	49·7	+3·2	64	23,28	34	19	-	-	3·70	94	142	·91	9	17	13	0	0	0	0	-	-	-	3·11	58	23
	Cork	9 9 9	57	56·3	44·5	50·4	+3·0	66	25	37	19	-	-	3·50	89	135	·91	9	15	14	0	0	0	0	0	0	-	2·98	-	22
	Roche's Pt. ¶	18–7 7	22	52·8	45·5	49·1	+2·0	61	28	39	19	-	-	3·69	94	138	·87	9	19	15	0	0	0	0	1	-	0	-	-	-
11 CHANNEL ISLES AND SCILLY																														
Scilly	St. Mary's ¶§	18–7 7	163	53·8	46·5	50·1	+1·8	58	27	41	11,19	-	-	2·55	65	132	·60	1	14	12	0	0	0	0	2	-	1	3·70	59	27
Guernsey	St. Peter Port ¶§	18–7 7	175	54·7	46·9	50·8	+2·6	60	24	42	19	51·3	48·9	2·84	72	141	·48	15	19	16	0	0	0	0	0	0	1	4·29	65	32
Jersey	St. Heliers ¶§	9 9 9	28	55·0	46·9	50·9	+1·9	64	24	42	19	-	-	2·22	56	115	·33	13	17	13	0	0	0	0	0	-	-	4·63	73	34
GIBRALTAR		18–7 7	393	63·8	55·2	59·5	-1·5	71	9,17	51	4,13,15	-	-	2·47	63	-	·67	27	9	7	0	0	0	1	1	0	1	-	-	-
MALTA		18–7 7	231	64·2	55·4	59·8	-0·5	74	11,12	52	1,10	-	-	·34	9	43	·12	14	5	3	0	0	0	4	0	-	0	8·91	103	68

¶§ § See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	53·3	46·3	50·4
	,,	18	54·0	47·8	51·3

TABLE III (*b*)—SKY OBSERVATIONS, APRIL, 1937

WEATHER DIARY, ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	3
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	30 nights	30 nights
Average exposure (hours)	7·83	7·62
Polaris unobscured (per cent.)	33	33
δ Ursæ Minoris (ditto)	28	25

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION, KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 25th) ..	808
Mean	110

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

‖ On and after April 18th observations were taken one hour earlier than the times shown.

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																	
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.			G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Shetlands	Lerwick	.. ..	1	160	1011·7	-	41·9	1·1	8·2	91	7·5	0	4	7	7	12	0	0	0	2	0	0	4	7	17	0	1	6	9	13	1	5	0	1	4	10	3	3	3
			7	160	1011·5	+0·4	43·0	1·4	8·3	88	8·3	0	3	2	15	10	0	0	0	1	0	2	3	5	18	1	1	5	11	12	1	5	1	2	6	6	5	2	2
			13	160	1011·4	-	45·0	2·1	8·4	83	8·0	0	0	8	12	10	0	0	0	1	0	1	5	4	19	0	2	4	9	15	0	3	3	1	7	8	5	2	1
			18	160	1011·3	-	44·4	1·8	8·3	85	7·7	0	2	7	10	11	0	0	0	1	0	0	4	5	19	1	1	4	11	14	0	3	3	2	6	8	3	2	3
Orkneys	Deerness	.. ..	9	165	1010·5	-	44·1	1·3	8·7	89	7·1	0	5	6	9	10	0	2	0	0	0	0	5	7	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			21	165	1011·0	-	42·8	0·9	8·7	92	7·2	1	6	3	8	12	0	1	1	0	0	0	2	4	22	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrides	Stornoway	..	1	83	1009·0	-	43·8	1·2	8·9	90	7·6	1	7	8	13	1	0	0	0	0	0	0	3	14	13	0	0	3	7	16	4	1	1	4	7	5	4	3	1
			7	83	1008·8	-2·5	44·4	1·2	8·9	90	8·0	1	4	10	14	1	0	0	1	1	0	1	3	7	14	3	0	2	11	14	3	1	1	6	7	5	5	1	1
			13	83	1009·1	-	48·3	2·7	9·1	79	8·6	1	5	13	9	2	0	0	0	0	0	2	2	6	16	4	0	2	13	15	0	1	3	4	9	6	1	3	3
			18	83	1009·1	-	47·6	2·5	9·3	81	8·2	3	6	6	14	1	0	0	0	0	0	1	1	3	21	4	0	3	11	14	2	2	4	5	5	4	2	4	2
Caithness	Wick	.. ..	1	79	1010·3	-	41·2	0·3	8·5	97	8·2	0	5	2	5	18	0	0	1	0	0	2	8	4	15	0	1	0	10	19	0	3	2	0	8	5	4	3	5
			7	79	1010·1	-1·4	42·3	0·5	8·7	96	8·7	0	4	0	9	17	0	1	1	0	2	2	6	4	14	0	1	2	5	22	0	1	0	1	10	5	4	5	4
			13	79	1009·9	-	45·7	1·5	9·3	88	8·8	0	0	2	15	13	0	0	0	0	1	3	7	3	16	0	0	2	9	19	0	3	2	3	9	8	0	1	4
			18	79	1010·0	-	45·5	1·6	8·8	87	8·7	0	0	3	15	12	0	1	0	0	0	3	5	7	14	0	0	0	13	17	0	1	5	2	9	5	1	0	7
Inverness	Dalwhinnie† ‖	..	7	1180	967·2	-	39·8	1·5	7·3	87	8·7	1	2	1	6	20	0	0	0	0	2	2	4	12	10	0	0	1	5	22	2	4	5	0	4	8	6	1	0
			13	1180	967·2	-	47·7	4·5	7·6	67	8·4	1	2	2	8	17	0	0	0	0	1	0	6	12	11	0	0	2	7	21	0	4	4	0	2	10	6	1	3
			18	1180	967·3	-	45·6	3·2	7·9	75	8·6	0	3	1	7	19	0	0	0	0	0	1	5	14	10	0	0	0	10	19	1	3	5	0	4	4	9	1	3
Inverness	Inverness	.. ..	9	250	1009·7	-	45·8	1·8	9·1	86	5·7	0	5	14	10	1	0	0	1	0	0	0	4	1	5	19	0	0	2	27	1	0	8	4	3	0	9	4	1
			17	250	1009·6	-	49·5	2·5	9·7	81	5·6	0	1	24	4	1	0	0	0	0	0	0	4	1	3	22	0	0	7	23	0	2	8	1	4	4	4	3	4
1 SCOTLAND, E.																																							
Aberdeen	Aberdeen	H	7	85	1010·5	-2·1	42·9	1·6	8·1	87	8·1	1	4	0	11	14	0	1	0	5	3	3	9	1	8	0	0	0	2	23	5	2	2	4	3	4	2	0	8
			13	85	1010·5	-2·2	47·4	2·9	8·7	79	8·3	1	0	4	12	13	0	0	0	0	2	2	10	6	10	0	0	0	9	21	0	4	2	6	5	7	1	2	3
			18	85	1010·6	-2·1	46·3	2·5	8·6	82	7·9	0	3	4	11	12	0	1	1	0	1	4	12	3	8	0	0	0	5	24	1	4	2	8	4	7	1	1	2
			21	85	1011·1	-2·0	44·2	1·8	8·4	87	7·9	1	3	4	8	14	0	0	2	2	1	2	11	8	4	0	0	0	2	23	5	4	1	6	4	4	1	2	3
			h.*	85	1010·5	-2·2	44·5	2·1	8·4	85																													
Aberdeen	Braemar‡	.. ..	9	1108	1010·8	-	43·0	2·7	7·3	77	8·3	1	3	2	4	20	0	0	0	0	2	2	8	16	2	0	0	0	0	22	8	0	1	6	1	5	2	7	0
Perth	Crieff	.. ..	9	482	1009·6	-	45·2	2·2	8·3	83	8·7	1	2	2	2	23	-	-	-	-	-	-	-	-	-	-	0	0	5	25	0	0	3	11	1	5	1	8	1
			21	482	1009·9	-	44·2	1·7	8·5	86	8·8	0	2	2	4	22	-	-	-	-	-	-	-	-	-	-	0	0	5	25	0	0	2	12	1	4	2	5	4
Fife	Inchkeith	.. ..	1	184	1010·2	-	42·9	0·7	8·9	94	7·9	0	2	5	10	13	0	1	0	1	1	0	5	11	11	0	0	0	4	26	0	3	4	6	5	2	6	3	1
			7	184	1010·1	-	42·7	0·7	8·9	94	7·8	1	3	2	15	9	0	3	0	1	4	0	8	6	8	0	0	0	5	25	0	1	7	8	2	1	10	1	0
			13	184	1010·0	-	47·1	1·9	9·4	85	8·4	0	3	1	17	9	0	2	0	2	1	0	3	8	14	0	0	1	6	23	0	0	11	5	1	3	9	1	0
			18	184	1009·9	-	45·9	1·4	9·4	89	8·6	0	1	3	13	13	0	2	0	0	0	2	4	7	15	0	0	1	8	21	0	1	8	10	2	2	5	1	1
Fife	Leuchars	H	7	36	1010·2	-	42·3	0·9	8·5	92	8·2	1	3	2	7	17	0	0	0	0	6	5	8	2	5	4	0	0	1	22	7	0	3	7	2	0	4	5	2
			13	36	1010·2	-	50·0	3·7	9·2	75	8·1	1	1	5	11	12	0	0	1	1	2	3	6	4	9	4	0	0	3	25	2	2	3	14	3	1	2	2	1
			18	36	1010·0	-	47·4	2·6	9·1	83	8·5	0	3	2	11	14	0	0	0	0	2	3	7	7	10	1	0	0	3	26	1	0	3	15	4	1	3	3	0
Mid Lothian	Edinburgh (Blackford Hill)	..	9	441	1010·3	-	45·8	2·4	8·6	81	7·8	0	5	4	5	16	0	3	0	2	4	7	10	4	0	0	0	0	9	21	0	1	6	5	3	3	4	5	3
			21	441	1010·5	-	44·7	1·9	8·6	85	7·8	0	7	1	4	18	0	2	0	0	2	10	13	2	1	0	0	0	3	21	6	1	4	4	5	1	2	7	0
6a SCOTLAND, W.																																							
Argyll	Tiree	.. ..	7	40	1008·3	-	45·6	1·0	9·7	92	8·1	1	2	0	19	8	0	0	0	0	0	0	6	13	10	1	0	0	11	17	2	2	3	1	8	6	3	5	0
			13	40	1008·9	-	49·3	2·5	9·7	81	7·7	0	4	1	17	8	0	0	0	0	0	1	6	11	10	2	0	1	13	15	1	2	2	2	9	1	3	5	5
			18	40	1009·0	-	47·8	1·8	9·8	86	7·3	0	5	3	14	8	0	0	0	1	0	2	4	9	13	1	0	1	6	22	1	5	1	3	6	0	2	7	5
Bute	Rothesay	.. ..	9	187	1009·0	-	46·2	1·6	9·2	87	7·8	0	2	5	15	8	0	0	0	0	2	0	17	3	8	0	0	2	14	12	2	0	2	11	3	5	0	3	4
			21	187	1009·1	-	45·9	1·5	9·3	88	7·2	0	4	7	11	8	0	0	0	0	0	0	9	0	17	4	0	1	1	11	16	1	2	1	9	2	1	1	4	9
Renfrew	Renfrew (Abbotsinch)	.. ..	7	24	1009·8	-	43·7	1·1	8·9	91	8·3	1	2	4	4	19	0	0	0	0	1	9	10	6	2	2	0	0	2	22	6	0	4	9	2	1	2	6	0
			13	24	1009·6	-	51·2	3·7	9·5	75	8·6	1	1	1	15	12	0	0	0	1	0	3	12	5	7	2	0	1	12	17	0	1	8	5	0	2	5	6	3
			18	24	1009·4	-	50·4	3·2	9·5	77	8·0	0	3	4	12	11	0	0	0	0	1	6	9	3	7	4	0	0	10	18	2	0	2	7	2	1	5	6	5
Dumfries	Eskdalemuir‡‡	H	7	778	1010·3	-	41·2	1·0	8·0	91	8·4	1	3	1	9	16	0	1	0	1	0	5	12	5	5	1	0	0	3	23	4	5	8	1	2	6	1	2	1
			13	778	1009·6	-	49·3	3·8	8·8	74	8·8	1	0	2	12	15	0	0	0	0	0	1	10	7	11	1	0	1	11	15	3	3	5	4	1	7	2	2	3
			18	778	1009·6	-	47·1	2·7	8·8	80	8·5	0	3	1	13	13	0	0	1	0	1	2	13	6	6	1	0	1	11	17	1	2	5	6	1	5	3	4	2
			21	778	1010·5	-	43·2	1·6	8·2	87	8·6	0	3	1	10	16	0	0	0	0	1	5	12	4	8	0	0	0	7	16	7	6	5	2	2	3	3	1	1
			h.*	778	1010·0	-	44·2	2·1	8·3	84																													
6b ISLE OF MAN																																							
Isle of Man	Douglas	H	9	286	1009·7	-4·1	46·6	2·0	9·1	84	6·0	4	0	10	16	0	0	0	2	0	0	4	17	3	4	0	0	5	20	5	0	0	4	10	4	1	2	4	5
Isle of Man	Point of Ayre	..	7	31	1009·5	-	45·2	0·4	9·9	97	8·5	0	3	2	6	19	0	0	0	2	0	1	2	14	11	0	0	0	16	13	1	1	0	10	1	6	1	6	4
			13	31	1009·8	-	49·8	1·1	11·3	92	8·0	2	1	4	10	13	0	0	0	0	0	1	4	13	12	0	0	0	9	21	0	2	0	6	5	4	2	5	6
			18	31	1009·3	-	48·5	1·0	10·7	92	8·0	0	1	4	13	12	0	0	0	0	1	0	7	5	17	0	0	0	11	17	2	3	0	4	1	5	2	2	11
2 ENGLAND, N.E.																																							
Northumberland	Cockle Park	..	9	331	1012·3	-	45·2	1·9	8·7	84	8·8	1	0	2	10	17	0	2	0	4	2	5	4	6	0	7	0	1	4	16	9	1	4	3	6	1	1	3	2
			21	331	1012·5	-	42·9	1·4	8·3	88	8·1	0	4	3	4	19	0	4	0	0	2	2	7	7	1	7	1	1	1	18	9	0	5	1	8	0	2	2	3
Northumberland	Tynemouth	..	1	122	1010·0	-	43·1	1·1	8·6	91	8·5	0	3	2	6	19	0	0	1	2	2	1	12	11	1	0	0	0	4	24	2	6	1	4	3	5	2	5	2
			7	122	1009·8	-3·5	43·0	1·0	8·6	92	8·7	0	1	5	6	18	0	0	1	3	4	6	10	5	1	0	0	0	6	23	1	6	2	3	2	4	4	4	4
			13	122	1010·2	-	46·3	2·1	8·9	84	8·2	0	1	8	7	14	0	0	1	2	1	3	12	5	6	0	0	1	7	22	0	6	3	4	4	5	0	6	2
			18	122	1010·0	-	45·3	1·7	8·9	86	8·4	0	2	4	10	14	0	1	1	1	2	4	8	8	5	0	0	0	7	22	1	6	3	2	8	4	1	3	2

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 969·4 mb.
‡‡ Mean pressures at Station Level are 981·4 mb. at 7 h., 981·2 mb. at 13 h., 981·1 mb. at 18 h., and 981·8 mb. at 21 h.

‖ Observations taken at 17h., instead of 18h G.M.T. on Sundays during Summer Time.

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, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY												
												0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																									
2 ENGLAND, N.E.—*cont.*																																			
Durham	Durham ..	..	9	352	1010·8	-	45·3	1·6	9·0	87	9·3	0	1	1	4	24	0	2	1	3	6	7	4	4	3	0	0	0	0	24	6	6	3	3	0	6	2	1	3
			21	352	1010·9	-	43·6	1·1	8·8	94	8·0	3	3	1	0	23	0	2	2	1	0	7	12	5	1	0	0	0	0	23	7	6	2	4	1	4	4	1	1
Yorks., N. Riding	Catterick ..	H	7	186	1010·3	-	43·1	1·1	8·7	91	8·9	0	1	3	7	19	0	1	1	3	1	6	7	4	5	2	0	0	3	21	6	5	2	0	4	6	1	1	5
			13	186	1010·2	-	50·2	3·4	9·4	77	8·5	1	2	0	12	15	0	0	0	0	1	2	15	6	5	1	0	0	6	22	2	3	7	2	5	4	2	3	2
			18	186	1010·0	-	48·2	1·6	9·3	81	8·5	0	3	2	7	18	0	0	1	3	1	4	10	4	7	0	0	0	2	25	3	4	11	1	2	3	2	2	2
Yorks., N. Riding	Scarborough ..		9	96	1009·5	-	46·5	2·2	8·9	83	7·3	0	6	4	11	9	0	4	1	0	4	2	15	3	1	0	0	0	2	28	0	1	1	1	6	3	4	4	10
			9	53	1010·8	-	46·5	2·3	8·9	82	8·9	0	1	3	5	21	-	-	-	-	-	-	-	-	-	-	0	0	29	1	8	1	2	0	8	1	3	6
	York ..	..	21	53	1010·8		46·7	2·4	8·8	81	6·3	9	2	0	2	17	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	8	2	2	1	9	2	6	0
Yorks., E. Riding	Spurn Head ..		1	28	1009·4	-	43·5	0·6	9·1	95	8·5	0	3	3	4	20	1	1	2	2	0	2	5	14	3	0	0	2	13	14	1	5	1	4	6	2	2	2	7
			7	28	1009·7	-3·7	43·7	0·8	9·0	93	9·3	0	0	1	9	20	0	1	2	1	1	7	8	8	2	0	0	4	11	15	0	5	2	4	4	3	2	4	6
			13	28	1010·3	-	47·4	1·9	9·5	85	9·1	0	0	2	9	19	0	1	1	3	0	4	8	11	2	0	0	2	14	14	0	6	2	4	8	1	1	3	5
			18	28	1009·9	-	45·3	1·2	9·3	90	8·7	1	1	2	6	20	0	1	1	0	3	2	12	9	2	0	0	2	13	15	0	6	5	4	7	1	3	2	2
Lincoln	†Cranwell ..	H	7	208	1010·5	-	43·4	0·8	9·0	93	8·7	1	1	3	5	20	0	4	0	2	5	5	4	9	1	0	0	0	6	24	0	4	4	3	3	2	3	5	6
			13	208	1010·6	-	51·5	4·0	9·5	74	8·8	0	0	3	14	13	0	0	0	0	1	1	10	12	4	2	0	0	5	25	0	4	1	4	5	2	2	5	7
			18	208	1010·3	-	49·6	2·7	9·8	81	7·9	1	3	3	10	13	0	0	0	1	1	3	9	10	3	3	0	0	4	23	3	4	3	5	3	1	3	5	3
3 ENGLAND, E.																																			
Norfolk	Cromer ..	H	9	74	1010·2	-	45·6	1·0	9·6	92	9·1	0	0	5	3	22	0	0	1	5	0	3	20	1	0	0	0	3	0	27	0	8	2	2	5	5	1	2	5
			1	26	1010·2	-	44·2	1·0	9·1	91	7·3	5	1	2	6	16	0	2	2	0	1	2	15	8	0	0	0	0	7	18	5	3	3	2	3	3	3	3	5
Norfolk	Yarmouth ..	..	7	26	1010·2	-3·5	44·3	1·1	9·0	91	9·2	0	1	1	8	20	0	3	0	0	3	6	16	2	0	0	0	0	7	20	3	3	3	2	3	4	1	2	9
			13	26	1010·7	-	47·7	2·2	9·4	83	8·9	0	2	0	11	17	0	0	0	0	3	8	14	5	0	0	0	0	11	16	3	6	4	1	3	1	4	1	7
			18	26	1010·4	-	47·5	2·4	9·1	81	8·6	1	0	3	13	13	0	0	0	2	0	6	17	5	0	0	0	0	6	21	3	7	2	1	3	5	1	3	5
Suffolk	Felixstowe Aero.		7	20	1010·5	-	45·3	1·3	9·3	90	8·9	0	2	2	9	17	0	0	0	1	5	5	11	3	4	1	0	0	8	20	2	4	6	2	1	4	1	6	4
			13	20	1011·0	-	50·7	3·5	9·6	75	8·2	0	3	2	15	10	0	0	0	0	3	4	7	7	8	1	0	0	12	18	0	1	6	5	3	4	2	7	2
			18	20	1010·5	-	48·3	2·4	9·4	82	7·9	1	2	6	8	13	0	0	0	1	5	1	8	7	7	1	0	0	9	19	2	2	8	2	4	4	3	4	1
Suffolk	Mildenhall ..		7	21	1010·3	-	44·5	0·9	9·3	92	9·1	0	2	0	7	21	0	1	1	2	5	6	6	5	4	0	0	0	8	21	1	6	2	4	1	4	2	5	5
			13	21	1010·5	-	52·8	4·3	9·8	72	8·8	0	1	2	13	14	0	0	0	0	0	5	9	5	10	1	0	1	13	15	1	6	2	2	3	3	3	5	5
			18	21	1010·1	-	51·4	3·8	9·7	75	7·7	0	4	5	10	11	0	0	0	0	0	5	9	4	10	2	0	0	7	21	2	5	7	4	1	2	4	4	1
Cambridge	Cambridge	H	9	43	1010·9	-3·5	47·8	2·3	9·5	83	8·9	0	0	5	5	20	-	-	-	-	-	-	-	-	-	-	0	0	3	25	2	3	8	1	2	3	2	5	4
			21	43	1010·7	-3·5	46·9	1·8	9·6	87	5·9	11	1	1	1	16	-	-	-	-	-	-	-	-	-	-	0	0	0	27	3	4	2	4	6	4	1	3	3
Hertford	Rothamsted ..		9	396	1013·3	-	46·5	1·8	9·3	86	8·1	1	2	4	8	15	0	3	0	1	0	8	18	0	0	0	0	0	4	24	2	8	5	0	1	3	1	6	4
Essex	Shoeburyness	H	7	12	1010·7	-	45·7	1·4	9·3	89	8·2	0	4	3	7	16	0	2	1	0	1	3	11	5	7	0	0	0	6	22	2	6	2	2	1	2	4	5	6
			13	12	1011·0	-	52·1	3·5	10·2	77	8·7	0	1	1	17	11	0	0	0	0	1	3	10	4	12	0	0	0	10	20	0	2	4	5	4	3	4	5	3
			18	12	1010·5	-	49·8	2·7	9·8	81	7·3	0	6	3	12	9	0	0	0	0	1	2	8	8	10	1	0	0	3	26	1	3	4	6	3	0	9	2	2
4 MIDLAND COUNTIES																																			
Yorks., W. Riding	Harrogate ..	..	9	478	1010·9	-	45·7	1·8	9·3	89	8·6	1	2	0	9	18	0	4	2	1	5	5	3	7	0	3	0	0	0	28	2	7	2	0	2	3	4	7	3
Nottingham	Nottingham ..		9	215	1010·3	-	46·6	2·3	8·9	82	8·5	1	2	1	9	17	0	0	1	3	9	1	16	0	0	0	0	0	1	29	0	5	2	5	3	4	2	7	2
Warwick	Birmingham	H	7	542	1010·7	-	44·1	1·6	8·6	87	7·5	1	5	2	9	13	0	2	3	2	7	2	9	1	4	0	0	0	4	25	1	3	6	4	1	4	2	3	6
			13	542	1010·5	-	50·9	4·2	9·0	72	7·7	2	2	3	11	12	0	0	0	1	4	4	9	3	9	0	0	0	7	21	2	2	3	4	1	6	4	2	6
			18	542	1010·2	-	50·8	4·2	9·0	72	7·3	3	3	3	8	13	0	0	0	0	3	6	13	2	6	0	0	0	7	23	0	3	3	6	4	3	3	4	4
Oxford	Oxford ..	..	9	212	1011·3	-3·6	48·0	2·9	8·9	78	8·0	1	3	4	4	18	0	2	1	0	2	3	10	4	8	0	0	0	7	23	0	6	6	2	2	3	5	4	2
Shropshire	Shrewsbury	H	9	186	1010·6	-	48·4	2·7	9·3	80	7·6	2	0	7	8	13	0	0	0	1	2	2	10	0	15	0	0	1	9	13	7	3	0	4	2	3	2	7	2
Hereford	Ross-on-Wye	H	7	226	1010·7	-	45·5	1·8	9·0	86	7·9	0	4	3	9	14	0	0	1	1	4	6	5	4	9	0	0	0	5	22	3	2	3	7	1	2	7	4	1
			13	226	1010·2	-	53·7	5·1	9·6	67	7·5	0	5	4	10	11	0	0	0	0	2	2	8	7	8	3	0	0	8	22	0	2	5	6	0	3	4	5	5
			18	226	1010·1	-	52·0	3·8	9·8	74	8·0	1	2	4	11	12	0	0	0	3	1	3	8	12	0	0	0	0	10	20	0	2	3	5	4	2	5	4	5
			21	226	1010·6	-	48·7	2·3	9·7	83	7·3	0	8	1	6	15	0	0	0	1	3	4	11	4	7	0	0	0	5	25	0	4	4	5	4	2	5	5	1
Gloucester	Cheltenham	H	9	230	1011·5	-	49·4	3·3	9·0	76	8·0	0	3	4	9	14	0	0	0	1	2	5	1	16	5	0	0	0	0	29	1	5	2	0	3	2	5	6	6
			21	230	1011·2	-	48·5	2·2	9·7	83	8·1	0	1	7	8	14	0	0	0	0	0	1	10	19	0	0	0	0	0	30	0	3	2	0	1	3	6	5	10
5 ENGLAND, S.E.																																			
London	*g* Greenwich	H	9	152	1011·2	-3·5	48·5	2·4	9·7	83	8·3	2	2	1	5	20	0	1	0	3	6	6	14	0	0	0	0	0	11	15	4	5	3	2	1	2	5	5	3
			15	152	1010·1	-3·7	54·9	5·2	9·9	67	8·2	0	3	2	13	12	0	0	0	1	1	6	18	3	1	0	0	0	10	18	2	5	3	3	1	4	5	2	5
			21	152	1011·1	-3·6	47·9	2·4	9·4	83	7·1	4	4	1	5	16	0	0	0	0	1	5	23	1	0	0	0	0	8	21	1	3	3	5	2	5	5	4	2
			h.*	152	1010·7	-3·7	48·8																															
London	Kew Obs'y.	H	7	34	1010·9	-3·8	46·1	1·9	9·1	86	8·4	1	3	1	9	16	1	2	1	0	0	5	12	4	5	0	0	0	4	23	3	4	5	2	2	2	4	6	2
			13	34	1010·8	-3·5	53·6	4·7	9·6	69	7·4	2	4	1	13	10	0	0	0	1	2	8	7	6	6	0	0	0	8	22	0	3	5	3	2	4	4	6	3
			18	34	1010·3	-3·6	53·6	4·9	9·5	68	7·8	2	3	1	15	9	0	0	0	0	0	10	14	3	3	0	0	0	8	21	1	4	5	2	2	6	4	4	2
			21	34	1011·1	-3·6	49·4	2·9	9·7	80	7·0	5	3	1	4	17	0	0	0	0	2	5	12	8	3	0	0	0	5	24	1	2	7	3	3	4	4	4	2
			h.*	34	1010·7	-3·7	49·6	3·2	9·5	78																												
London	Kensington	...	9	66	1011·1	-	48·1	2·4	9·4	82	8·2	2	0	3	10	15	0	0	2	2	3	9	12	1	1	0	0	0	1	29	0	5	7	2	1	3	5	2	5
			15	—	-	-	54·7	5·3	9·6	66	7·1	2	0	9	12	7	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	1	9	1	4	1	5	3	6
			18	—	-	-	53·9	4·7	9·8	69	8·0	0	2	6	7	15	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	5	5	3	3	2	3	4	5
Surrey	Croydon ..	H	1	225	1010·2	-	45·6	1·4	9·3	88	6·2	4	7	3	4	12	0	0	0	1	1	2	16	7	3	0	0	0	8	19	3	3	6	1	1	8	2	5	1
			7	225	1010·6	-	45·3	1·5	9·2	88	8·0	2	2	2	10	14	0	1	1	1	3	7	10	3	4	0	0	0	7	22	1	4	4	3	0	4	5	4	5
			13	225	1010·4	-	53·9	5·1	9·5	68	8·1	0	1	4	18	7	0	0	0	0	1	4	16	6	3	0	0	0	10	20	0	2	7	2	3	3	5	4	4
			18	225	1009·9	-	52·9	4·5	9·6	71	7·1	2	3	5	11	9	0	0	0	0	1	3	21	4	1	0	0	0	9	20	1	3	5	4	2	2	7	2	4
Surrey	Wisley ..	..	9	85	1010·5	-	48·9	2·9	9·3	79	8·8	1	0	2	11	16	1	0	1	0	4	0	14	10	0	0	0	0	1	27	2	3	7	2	4	0	7	1	4

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

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									
											NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	FOG 0	FOG 1	FOG 2	FOG 3	Mist 4	Poor Vis. 5	Mod. Vis. 6	GOOD VISIBILITY 7	GOOD VISIBILITY 8	GOOD VISIBILITY 9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%																										
		7	572	1011·1	-	44·3	1·2	9·0	90	8·2	2	2	2	8	16	0	0	2	4	3	6	10	3	2	0	0	0	8	19	3	4	4	1	2	4	4	5	3
Kent	Biggin Hill H	13	572	1010·8	-	51·8	4·3	9·3	71	7·9	0	3	5	13	9	0	0	0	1	2	2	13	10	2	0	0	0	10	19	1	3	4	3	2	4	5	5	3
		18	572	1010·5	-	50·2	3·8	9·1	74	6·9	2	4	4	12	8	0	0	0	0	1	3	12	10	4	0	0	1	8	21	0	4	6	1	4	1	9	4	1
		7	—	-	-	46·4	0·7	10·1	94	7·4	2	2	3	15	8	1	1	0	0	3	6	8	11	0	0	0	2	8	18	2	2	5	4	3	0	4	4	6
Kent	Dungeness ..	13	—	-	-	51·7	2·5	10·8	87	7·7	0	1	8	14	7	0	0	0	0	1	4	12	13	0	0	0	2	13	14	1	2	5	4	2	3	6	4	3
		18	—	-	-	50·3	2·3	10·4	83	7·2	0	4	7	14	5	0	0	0	0	2	3	9	16	0	0	0	2	13	15	0	2	8	3	2	3	8	3	1
		1	345	1010·9	-	44·7	1·4	9·0	89	7·1	3	4	2	7	14	0	2	1	0	3	3	7	8	6	0	0	0	10	19	1	3	2	5	1	6	3	5	4
		7	345	1011·9	-	45·0	1·3	9·3	90	8·2	0	3	3	11	13	0	2	1	1	4	4	11	4	2	1	0	0	11	17	2	6	4	3	0	1	4	6	4
Kent	Lympne .. H	13	345	1011·4	-	51·8	3·7	9·9	75	7·6	0	2	6	14	8	0	0	0	1	2	3	5	12	6	1	0	0	13	17	0	7	3	0	4	6	4	3	3
		18	345	1011·0	-	49·2	3·0	9·3	78	7·3	1	4	3	14	8	0	0	1	0	1	3	11	6	6	2	0	1	13	16	0	3	4	4	2	3	9	3	2
		1	141	1010·2	-	45·6	1·7	9·1	87	7·3	4	3	2	5	16	0	1	0	1	0	1	14	7	6	0	0	0	13	14	3	3	3	2	3	2	7	5	2
		7	141	1010·3	-	46·0	1·5	9·4	88	8·2	0	3	3	7	17	0	0	0	1	2	3	12	5	7	0	0	1	13	14	2	4	3	2	4	1	5	4	5
Kent	Manston	13	141	1010·9	-	51·3	3·6	9·7	75	8·5	0	2	1	17	10	0	0	0	0	1	2	5	15	7	0	0	0	19	11	0	4	4	3	3	4	4	5	3
		18	141	1010·3	-	49·5	2·9	9·6	79	7·4	0	3	5	16	6	0	0	1	0	1	1	6	16	5	0	0	0	19	11	0	3	7	3	1	3	7	3	3
Kent	Tunbridge Wells ..	9	407	1011·4	-	47·9	1·7	9·9	87	8·2	1	0	6	8	15	0	0	0	0	0	9	12	7	2	0	0	0	6	24	0	2	5	4	3	2	5	4	5
Sussex	Brighton .. H	9	48	1011·5	-	49·7	3·0	9·7	81	7·4	2	4	4	6	14	0	0	0	0	3	12	7	2	6	0	0	1	3	26	0	2	4	2	5	5	7	3	2
		9	154	1010·6	-	49·5	2·7	9·7	82	7·4	1	2	9	6	12	0	0	0	0	4	8	12	4	2	0	0	0	1	28	1	0	7	0	6	1	8	0	7
Sussex	Hastings .. H	21	154	1010·9	-	47·6	1·9	9·6	85	6·3	8	2	2	2	16	0	0	0	0	2	20	5	2	1	0	0	0	1	25	4	0	7	0	4	0	9	0	6
		7	15	1011·1	-	46·8	1·2	9·9	91	7·3	0	5	4	11	10	0	0	1	0	0	3	15	8	3	0	0	0	8	21	1	5	2	5	1	1	5	5	5
Hampshire	Calshot	13	15	1011·1	-	53·1	3·3	10·8	79	7·3	0	6	3	12	9	0	0	0	0	0	1	9	12	8	0	0	0	13	16	1	2	1	5	4	3	5	4	5
		18	15	1010·5	-	51·9	2·7	10·7	81	7·4	2	3	3	13	9	0	0	1	2	1	2	9	6	9	0	0	0	12	18	0	4	1	7	3	2	6	5	2
Hampshire	Southampton ..	9	84	1011·2	-3·7	51·3	3·7	9·6	74	7·4	1	3	7	5	14	0	0	0	0	5	10	12	3	0	0	0	1	5	23	1	0	7	1	7	0	6	0	8
		21	84	1011·2	-3·5	50·6	2·9	10·0	79	6·9	8	0	1	5	16	0	1	0	1	16	11	1	0	0	0	0	0	4	25	1	1	8	0	7	0	6	2	5
		7	256	1010·9	-	45·0	1·4	9·2	89	7·6	1	6	0	9	14	0	2	1	1	0	7	8	5	5	1	0	0	6	22	2	4	3	3	1	4	3	6	4
Hampshire	S. Farnborough H	13	256	1010·5	-	55·4	5·7	9·6	65	7·5	1	4	1	17	7	0	0	0	0	0	6	8	8	7	1	0	0	11	17	2	3	5	4	1	5	3	5	2
		18	256	1010·2	-	53·1	4·4	9·7	71	7·3	2	4	2	14	8	0	0	0	0	0	5	11	8	6	0	0	0	8	21	1	2	4	4	2	3	6	4	4
I. of Wight	Ventnor (Hosp.)	9	80	1011·3	-	50·2	2·4	10·3	83	7·4	0	7	3	4	16	-	-	-	-	-	-	-	-	-	-	0	1	4	25	0	3	2	9	2	1	1	9	3
		15	80	1010·7	-	53·2	3·4	10·7	77	6·4	2	6	7	5	10	-	-	-	-	-	-	-	-	-	-	0	0	5	25	0	0	3	6	4	2	0	12	3
		7	420	1010·6	-	44·5	0·9	9·3	92	7·6	1	4	3	8	14	0	1	0	1	0	1	17	7	3	0	0	0	7	23	0	5	5	4	1	4	3	5	3
Wiltshire	Amesbury H	13	420	1010·7	-	53·3	4·4	9·9	71	7·7	0	3	3	18	6	0	0	0	0	0	1	9	10	10	0	0	0	14	16	0	4	4	2	5	3	4	4	4
	(Boscombe Down)	18	420	1010·3	-	52·0	3·5	10·1	77	7·3	4	0	4	14	8	0	0	0	0	0	1	8	12	9	0	0	2	6	22	0	4	7	0	4	4	4	4	3
		9	444	1011·2	-	48·6	2·9	9·3	78	7·0	1	5	4	6	14	0	0	0	1	1	0	9	11	8	0	0	2	16	12	0	4	5	3	4	2	4	5	3
Wiltshire	Larkhill .. H	13	444	1010·9	-	53·2	4·8	9·5	69	8·0	0	2	5	11	12	0	0	0	0	0	0	9	9	12	0	0	2	14	14	0	3	6	2	3	4	5	5	2
		15	444	1010·4	-	53·9	5·1	9·8	67	7·0	1	3	5	10	11	0	0	0	0	0	1	7	9	13	0	0	2	17	11	0	4	4	0	4	5	5	5	3
7a ENGLAND, N.W.																																				
Lancashire	Hutton	9	86	1010·1	-	48·7	2·2	9·9	83	7·3	0	5	0	23	2	-	-	-	-	-	-	-	-	-	-	0	0	1	19	10	1	1	0	7	0	5	2	4
		7	83	1010·3	-	44·9	1·5	9·1	88	7·9	1	5	0	9	15	0	0	0	4	4	12	6	3	1	0	0	7	7	12	4	0	6	4	3	3	1	7	2
Lancashire	Manchester H	13	83	1010·2	-	52·6	4·5	9·5	70	7·9	0	5	0	13	12	0	0	0	0	0	8	12	7	3	0	0	1	11	18	0	1	5	2	4	3	2	10	3
	(Barton)	18	83	1009·8	-	51·4	3·8	9·7	75	8·0	1	3	2	11	13	0	0	0	1	7	4	9	8	1	0	0	1	13	15	1	1	5	3	4	3	1	7	5
Lancashire	Manchester	9	127	1010·4	-	48·5	2·9	9·1	78	8·0	3	1	3	2	21	-	-	-	-	-	-	-	-	-	-	0	0	1	29	0	2	4	3	6	5	1	5	4
	(Whitworth Pk.)	21	127	1010·0	-	48·1	2·2	9·6	83	6·8	2	6	4	4	14	-	-	-	-	-	-	-	-	-	-	0	0	1	29	0	2	3	8	3	3	1	5	5
		9	37	1010·5	-3·8	48·8	3·0	9·3	78	7·6	2	2	6	6	14	0	0	0	0	0	16	4	6	4	0	0	1	11	17	1	2	0	7	5	3	2	7	3
Lancashire	Southport* H	15	37	1009·8	-	52·5	4·6	9·5	70	6·8	2	5	4	8	11	0	0	0	0	1	14	4	6	5	0	0	2	14	14	0	1	2	3	3	3	2	8	8
	(Bedford Rd. Park)	21	37	1010·1	-4·1	47·3	1·6	9·8	87	7·7	3	3	1	5	18	0	0	0	0	2	13	4	10	1	0	0	0	12	17	1	4	0	8	2	3	2	5	5
		9	381	1011·0	-	46·9	2·4	8·9	81	8·3	0	3	0	11	16	0	0	0	0	0	2	21	4	3	0	0	1	7	22	0	3	6	5	1	3	2	7	3
Lancashire	Stonyhurst ..	21	381	1010·9	-	46·0	1·9	9·0	85	7·6	1	6	1	4	18	0	0	0	0	0	0	12	18	0	0	0	0	8	21	1	1	8	3	2	1	5	4	5
Cheshire	Bidston Obs'y. ..	9	202	1010·6	-	47·9	3·1	8·7	76	8·3	0	1	6	8	15	0	0	0	2	9	6	6	2	5	0	0	3	8	18	1	1	1	5	6	2	2	4	8
7b NORTH WALES.																																				
		7	19	1010·3	-	44·5	1·6	8·8	87	8·0	3	0	3	10	14	0	2	1	0	5	5	12	4	1	0	0	1	3	23	3	3	0	5	7	2	2	7	1
Flint	Sealand .. H	13	19	1010·1	-	53·1	4·8	9·4	69	7·9	2	1	5	9	13	0	0	0	0	1	6	10	6	7	0	1	0	11	18	0	2	2	2	9	0	2	8	5
		18	19	1009·8	-	51·4	3·6	9·8	76	7·6	2	3	3	8	14	0	0	0	0	1	7	9	9	4	0	0	1	14	14	1	1	2	2	6	1	2	10	5
		1	29	1009·2	-	46·4	1·0	9·9	92	6·5	4	7	1	5	13	0	0	1	1	1	2	7	8	10	0	0	3	12	12	3	3	0	7	2	4	4	2	5
		7	29	1009·5	-4·1	46·3	1·1	9·9	92	7·4	0	6	1	13	10	0	1	0	1	1	1	5	10	10	1	1	1	10	13	5	0	3	6	2	4	3	4	3
Anglesey	Holyhead .. H	13	29	1009·6	-	51·2	2·9	10·4	81	7·1	2	4	4	10	10	0	0	1	0	0	2	6	6	4	1	0	2	12	16	0	3	4	2	1	6	4	3	7
		18	29	1009·4	-	49·3	2·1	10·2	85	7·5	1	3	3	12	11	0	0	0	0	0	0	9	6	14	1	0	1	14	14	1	2	2	7	0	5	3	3	7
Carnarvon	Llandudno ..	9	33	1010·4	-	48·7	2·9	9·2	79	6·6	5	2	4	12	7	0	0	0	0	1	2	8	7	12	0	0	0	1	29	0	2	5	4	2	5	5	6	1
8a SOUTH WALES.																																				
Cardigan	Ciliau Aeron ..	9	256	1010·2	-	50·8	3·6	9·8	75	7·5	2	4	3	7	14	0	0	0	0	0	1	14	15	0	0	0	0	1	15	14	0	3	3	1	7	3	6	3	4
		1	152	1009·3	-	47·6	1·5	9·9	88	7·6	3	2	0	19	6	0	0	0	1	0	1	17	7	17	3	0	2	4	9	15	0	3	3	6	4	2	3	4	5
		7	152	1009·5	-4·2	46·8	1·3	9·8	90	7·9	0	3	4	19	4	0	0	0	0	0	1	3	11	12	3	0	1	2	8	19	0	1	3	6	6	2	1	5	6
Pembroke	St. Ann's Head ..	13	152	1009·2	-	51·1	2·8	10·3	80	7·5	0	4	5	15	6	0	0	0	1	0	1	15	9	4	0	0	0	4	10	16	0	2	1	1	10	3	3	4	6
		18	152	1009·9	-	49·6	2·2	10·2	84	7·4	2	6	12	5	5	0	0	1	1	0	3	7	13	4	1	1	6	8	15	0	7	2	1	4	3	3	4	2	7

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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 APRIL, 1937

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									
										NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION					
															FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Radnor Llandrindod Wells	9	725	1011·5	-	49·7	3·6	9·0	74	7·8	0	3	2	17	8	0	0	0	0	0	0	14	7	9	0	0	1	2	27	0	2	1	3	6	8	0	4	6
Rhayader	9	—	-	-	46·9	2·5	8·8	80	8·2	1	2	3	8	16	0	0	1	0	3	2	9	7	8	0	0	0	5	25	0	1	4	1	8	3	6	3	4
Glamorgan Cardiff	9	203	1011·2	-	49·0	2·8	9·4	79	7·6	1	6	2	4	17	0	0	0	1	1	6	13	*4*	*5*	*0*	0	1	5	24	0	2	9	5	2	1	1	7	3
	21 *	203	1011·2	-	48·5	1·9	10·0	85	7·1	4	1	4	9	12	0	0	0	0	0	2	21	*0*	*7*	*0*	0	0	3	27	0	0	7	1	5	0	2	10	5
8b ENGLAND, S.W.																																		
Somerset Bath	9	113	1010·8	-	50·5	3·6	9·3	74	7·7	0	5	5	2	18	0	0	0	0	0	11	*11*	*6*	*2*	*0*	0	0	1	29	0	2	3	8	3	2	1	8	3
Dorset Holton Heath H	9	58	1011·2	-	50·7	3·2	9·9	79	7·5	0	7	1	7	15	0	1	0	0	4	8	10	5	*2*	*0*	0	2	13	14	1	3	5	4	4	1	4	2	6
	15	58	1010·2	-	54·5	4·4	10·3	72	6·9	0	6	8	3	13	0	0	0	1	4	3	17	2	*3*	*0*	0	3	12	15	0	3	2	1	7	3	6	6	2
Dorset Portland Bill ..	1	37	1010·2	-	47·8	1·2	10·3	91	7·9	4	0	1	9	16	0	0	2	*1*	0	0	*3*	*18*	*6*	*0*	0	2	13	15	0	2	5	5	2	1	5	6	4
	7	37	1010·7	-2·9	48·0	1·3	10·3	90	7·3	3	2	2	5	18	0	0	0	*1*	0	0	*2*	*23*	*4*	*0*	0	1	14	15	0	2	5	7	3	1	2	6	4
	13	37	1010·8	-	50·4	1·7	10·9	87	7·4	3	3	2	9	13	0	0	0	*1*	0	0	*4*	*18*	*7*	*0*	0	1	12	17	0	0	2	7	2	4	7	4	4
	18	37	1010·5	-	49·5	1·6	10·5	87	8·0	3	1	1	12	13	0	0	2	*0*	0	0	*2*	*17*	*9*	*0*	0	2	12	16	0	1	1	4	5	1	4	6	8
Devon Moretonhampstead	9	801	1010·8	-	47·9	2·1	9·6	84	8·5	0	2	3	10	15	0	0	2	0	2	3	6	4	*11*	*2*	0	1	7	20	2	2	1	3	7	2	2	2	9
	15	801	1010·2	-	50·6	3·1	9·9	79	8·5	0	3	2	6	19	0	0	1	0	0	0	10	4	*14*	*1*	0	2	11	16	1	3	2	2	7	1	5	4	5
Devon Plymouth H	7	27	1010·8	-	48·2	1·1	10·6	92	7·9	1	2	3	16	8	0	0	1	0	2	3	10	7	7	*0*	0	0	6	23	1	1	5	4	4	4	2	3	6
(Mount Batten) ..	13	27	1010·8	-	53·3	3·1	11·1	80	7·9	0	4	3	12	11	0	0	0	0	0	4	6	8	10	*2*	0	1	9	20	0	3	2	4	4	4	5	4	4
	18	27	1010·8	-	51·7	2·2	11·1	85	7·9	0	3	4	12	11	0	0	0	0	0	3	13	4	9	*1*	0	2	11	17	0	1	1	3	5	5	5	4	6
	1	240	1010·9	-	47·8	1·0	10·4	92	6·6	5	1	5	6	13	0	0	0	1	1	0	3	*15*	*10*	0	0	2	10	18	0	3	3	2	5	3	3	6	5
Cornwall The Lizard ..	7	240	1010·7	-	48·1	0·9	10·6	94	8·4	0	1	5	8	16	0	0	0	0	0	2	4	*15*	*9*	0	0	3	11	15	1	3	6	2	5	0	4	6	3
	13	240	1010·9	-	51·7	1·9	11·3	87	8·2	1	0	5	12	12	0	1	0	0	0	0	6	*12*	*11*	0	1	1	16	12	0	1	4	5	4	1	5	7	3
	18	240	1010·9	-	50·0	1·3	11·1	90	7·8	2	1	4	10	13	0	0	0	2	2	2	4	*12*	*8*	0	0	4	13	13	0	4	3	4	3	3	5	5	3
Cornwall Newquay ..	9	161	1010·7	-	50·4	1·1	11·5	92	7·9	0	4	3	9	14	0	0	0	0	1	6	12	*8*	*2*	*1*	0	3	5	21	1	5	1	2	9	2	4	1	5
9 IRELAND, N.																																		
Sligo Markree Castle ..	9	127	1009·5	-	48·7	1·8	10·2	87	8·3	1	2	2	8	17	0	*0*	0	0	0	*0*	7	13	10	*0*	0	0	3	23	4	7	1	2	5	5	2	2	2
	21	127	1009·8	-	48·7	2·1	9·9	84	7·9	1	3	2	9	15	0	*0*	0	0	0	*0*	*7*	6	17	*0*	0	0	1	22	7	3	0	2	4	3	2	3	6
Mayo Blacksod Point ..	1	28	1009·0	-	47·3	1·5	10·1	85	7·2	3	2	7	4	14	0	0	0	1	0	0	1	17	11	*0*	0	4	2	17	7	1	1	2	3	5	0	8	3
	7	28	1008·7	-	47·7	1·6	9·9	87	9·0	0	0	3	9	18	0	0	0	1	1	0	3	9	15	*1*	0	3	11	14	2	0	4	1	7	4	2	6	4
	13	28	1009·4	-	51·2	2·9	10·2	79	8·2	0	2	5	8	15	0	0	0	0	0	0	1	17	9	*3*	0	3	12	15	0	2	3	1	8	2	1	11	2
	18	28	1009·5	-	50·4	2·7	10·1	81	7·8	1	2	6	6	15	0	0	0	0	0	0	4	11	11	*4*	0	2	11	17	0	4	1	1	5	3	2	10	4
Donegal Malin Head ..	1	87	1008·7	-	45·6	0·4	10·1	97	5·7	1	4	5	17	3	0	1	0	0	0	0	6	22	1	*0*	0	0	3	27	0	2	0	5	2	10	4	6	1
	7	87	1008·5	-3·3	46·6	0·8	10·1	93	5·6	2	5	2	18	3	0	0	2	0	0	1	11	13	3	*0*	0	0	4	26	0	1	0	4	3	10	6	5	1
	13	87	1009·1	-	49·3	0·9	11·1	93	6·1	0	4	6	18	2	0	0	0	0	0	0	14	13	3	*0*	0	0	7	23	0	4	2	2	4	4	4	7	3
	18	87	1009·1	-	48·4	0·7	11·0	95	5·7	1	5	3	19	2	0	1	0	0	0	0	12	13	4	*0*	0	0	7	23	0	4	3	3	4	3	1	8	4
	7	245	1009·2	-	44·6	0·9	9·4	92	8·6	0	3	0	13	14	0	0	0	0	0	3	8	7	11	1	0	0	7	16	7	1	2	4	4	4	3	4	1
Antrim Aldergrove H	13	245	1009·4	-	51·2	3·0	10·3	80	9·0	0	0	4	11	15	0	0	0	0	0	2	8	10	8	2	0	1	10	19	0	1	4	5	3	3	4	6	4
	18	245	1009·4	-	50·1	2·4	10·3	83	8·5	0	3	1	11	15	0	0	0	0	0	3	6	6	13	2	0	0	7	19	4	3	0	8	3	2	3	2	5
Armagh Armagh .. H	9	209	1009·0	-4·0	48·0	1·7	10·0	87	8·8	0	2	2	4	22	*0*	*0*	0	0	1	1	*2*	*8*	18	*0*	0	0	6	22	2	3	4	3	3	3	4	5	3
	21	209	1009·4	-3·6	47·5	1·7	9·9	87	7·4	2	5	2	5	16	*0*	*0*	0	0	0	0	9	*11*	10	*0*	0	0	6	19	5	2	4	4	2	4	1	4	4
10 IRELAND, S.																																		
Dublin Glasnevin ..	9	56	1011·5	-	49·5	2·3	10·1	83	7·9	1	0	9	7	13	0	0	*3*	*0*	9	*8*	*3*	*1*	*6*	*0*	0	0	2	28	0	0	5	4	7	0	5	6	3
	21	56	1011·8	-	48·7	2·2	9·8	83	6·5	7	0	7	2	14	0	0	*1*	*0*	8	*5*	*5*	*1*	*10*	*0*	0	0	0	23	7	0	3	3	3	0	4	7	3
Offlay Birr Castle ..	7	193	1009·3	-4·4	45·5	0·6	9·4	91	8·7	0	2	1	10	17	0	*0*	0	0	0	*0*	*0*	*13*	*17*	*0*	0	0	0	28	2	3	1	2	3	9	5	3	2
	13	193	1009·4	-	53·1	3·6	10·4	76	9·4	0	0	0	15	15	0	*0*	0	0	0	*0*	*0*	*8*	*22*	*0*	0	0	0	30	0	2	1	1	4	7	3	4	8
	18	193	1009·2	-	53·3	3·6	10·5	76	9·0	0	0	2	15	13	0	*0*	0	0	0	*0*	*0*	*9*	*21*	*0*	0	0	1	29	0	3	3	0	3	7	4	3	7
Waterford Seskin, Carrick-on-Suir	9	521	1012·0	-	48·2	1·5	10·2	88	8·5	0	2	4	6	18	0	1	1	*1*	1	2	7	*1*	11	5	0	6	11	11	2	2	1	2	6	4	2	4	7
	21	521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerry Valentia H Observatory	7	45	1009·6	-4·0	48·4	2·0	9·9	86	8·6	1	1	2	13	13	0	0	0	1	0	2	6	3	*15*	*3*	0	2	10	14	14	3	1	5	2	6	2	1	6
	13	45	1010·3	-3·7	52·9	3·6	10·4	77	8·0	0	4	2	12	12	0	0	0	0	0	0	8	5	*11*	*6*	0	2	15	13	0	2	3	1	3	5	5	2	9
	18	45	1010·6	-3·1	51·6	2·9	10·6	80	7·9	0	3	5	12	10	0	0	0	1	0	0	8	3	12	6	0	3	13	13	1	3	1	2	3	3	2	5	10
	21	45	1011·2	-3·0	49·5	2·4	10·0	83	7·9	0	3	5	9	13	0	0	1	0	0	1	*3*	8	*14*	*3*	0	2	10	12	6	0	1	3	3	4	3	2	8
	h.*	45	1010·3	-3·5	50·1	2·4	10·2	83																												
Cork Roche's Point ..	7	24	1010·0	-4·0	47·3	1·0	10·2	92	8·2	1	2	2	13	12	0	0	2	0	0	6	4	*3*	*14*	*1*	0	2	9	19	0	4	3	2	6	5	3	3	4
	13	24	1010·1	-	51·7	2·5	10·8	83	8·0	0	2	5	13	10	0	0	2	1	0	1	7	*3*	*11*	*5*	0	3	12	15	0	6	0	4	7	4	3	2	4
	18	24	1010·1	-	50·7	2·0	10·8	86	7·2	1	2	9	10	8	0	0	0	1	1	1	5	6	*10*	*6*	0	3	13	14	0	5	0	2	6	5	4	3	5
11 CHANNEL I. & SCILLY.																																		
	1	199	1010·8	-	48·1	0·9	10·6	93	6·2	4	4	6	6	10	0	1	1	0	0	0	10	*9*	*9*	0	0	3	14	12	1	3	2	1	3	5	2	6	7
	7	199	1010·6	-3·1	48·3	0·8	10·8	94	7·7	2	0	6	11	11	0	0	1	1	0	2	9	*11*	*6*	0	0	2	14	13	1	3	2	4	2	4	4	4	6
Scilly St. Mary's.. ..	13	199	1010·9	-	52·5	2·0	11·6	86	8·1	1	1	5	10	13	0	0	0	0	2	0	10	*12*	*6*	0	1	2	17	10	0	4	2	2	3	5	6	3	5
	18	199	1010·7	-	50·7	1·6	11·2	89	7·6	3	0	5	10	12	0	0	1	1	0	2	8	*12*	*6*	0	0	7	13	9	1	4	1	3	3	4	5	2	7
	1	186	1011·6	-	48·3	0·9	10·7	93	6·8	5	1	7	2	15	0	0	0	0	3	1	14	*4*	*7*	1	0	1	8	19	2	2	3	1	1	5	3	5	8
Guernsey St. Peter Port H	7	186	1011·7	-	48·7	1·2	10·7	91	8·4	3	0	1	10	16	0	0	0	0	1	1	9	*13*	*5*	1	0	2	6	19	3	2	4	2	2	5	2	5	5
	13	186	1011·7	-	53·1	3·0	11·1	80	7·6	2	4	2	8	14	0	0	0	0	1	0	11	*13*	*3*	2	0	2	9	19	0	1	4	4	2	4	3	6	6
	18	186	1011·6	-	50·7	2·1	10·8	85	7·6	3	1	6	5	15	0	0	0	0	0	3	7	*13*	*3*	4	1	0	8	20	1	1	3	3	3	3	2	7	7
	7	400	1016·9	+0·2	56·6	2·8	12·9	83	4·7	4	8	15	12	1	0	1	0	0	0	0	*2*	8	*11*	8	0	1	10	17	2	0	3	5	1	0	1	12	6
GIBRALTAR .. .. H	13	400	1016·9	-	61·8	5·2	13·3	72	5·0	1	12	5	10	2	0	0	0	0	0	0	*1*	6	9	14	0	1	17	12	0	0	5	6	1	1	6	10	1
	18	400	1016·2	-	60·6	4·5	13·4	75	5·4	1	10	6	13	0	0	0	0	0	0	0	*4*	6	8	12	0	1	14	15	0	0	4	6	1	0	5	13	1
	21	400	1017·3	-	58·7	3·5	13·3	79	3·9	1	10	6	12	1	0	0	0	0	0	0	*3*	6	9	12	0	1	13	14	2	2	3	5	1	0	2	11	4
	7	234	1012·3	-1·6	59·4	3·8	13·4	77	5·1	0	13	4	11	2	0	0	0	0	0	0	2	2	*25*	*1*	0	5	9	16	0	4	1	4	0	2	1	5	13
MALTA .. .. H	13	234	1012·2	-	63·1	6·3	13·0	66	4·5	0	15	4	11	0	0	0	0	0	0	0	1	4	*25*	*0*	0	5	17	8	0	1	4	1	1	2	2	6	13
	18	234	1011·8	-	59·5	3·7	13·5	78	4·4	2	14	3	10	1	0	0	0	0	0	0	2	8	*20*	*0*	0	2	12	16	0	1	0	3	1	2	3	7	13

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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MAY, 1937.—Wet on the whole in England, mainly rather dry elsewhere; warm spell 23rd-30th.

Broadly speaking the month was moderately dry and sunny in most parts of Scotland, Ireland, Wales and north-west England; in east and south-east England, however, it was dull and wet. Temperature was above the average generally.

During the opening days an anticyclone moved north-east across the British Isles giving mainly fair, sunny weather. On the 3rd and 4th a trough of low pressure crossed the country and local thunderstorms occurred, though sunshine records were good on the whole. A wedge of high pressure moved eastward over the British Isles on the 5th and 6th, and sunny weather was enjoyed in many parts on the 5th and in eastern districts on the 6th; thunderstorms occurred locally, however, in north-east England and south-east Scotland on the 5th and rain spreading from the west reached most eastern districts by the evening of the 6th.

Subsequently, from the 8th–13th anticyclonic conditions prevailed for the most part in Scotland, while depressions off our south-west coasts moving east and finally north on the 13th, caused unsettled weather and occasional rain in most of England. On the 15th and 16th the weather was mainly anticyclonic; on the 17th there was some scattered rain and local thunderstorms, and on the 18th rain in east and south-east England was associated with a depression over France. A depression east of Iceland moving south-east caused rain locally in the west and north-west on the 18th. This depression moved south and then remained almost stationary westward of Ireland until the 26th; meanwhile secondary disturbances moved north-east over the British Isles causing unsettled weather, with frequent thunderstorms. Between the 27th and 29th an anticyclone moved north-east from France to Denmark, while a deep Atlantic depression moved slowly north-north-east to Iceland. Finally the Icelandic depression moved eastward and caused gales locally in the north of Scotland on the 30th and 31st. The last week was very warm at times; 80°F. was slightly exceeded locally in south-east England on the 25th, 29th and 30th.

Pressure and Wind.—Mean pressure differed only slightly from the average, the deviation at 7h. ranging from −0·9 mb. at Birr Castle and Valentia to +1·3 mb. at Gorleston and +2·2 mb. at Lerwick.

Gales occurred locally at times; they were recorded in parts of Scotland and north-east England on the 5th, at Bell Rock Lighthouse on the 21st and locally in the north of Scotland on the 27th and between the 29th and 31st. Among the highest speeds registered in gusts were 67 m.p.h. at Lerwick on the 27th, 60 m.p.h. at Spurn Head and 58 m.p.h. at Eskdalemuir on the 5th, 57 m.p.h. at Stornoway on the 29th and 56 m.p.h. at Bell Rock on the 21st.

Temperature.—Mean temperature exceeded the average in all districts, the excess ranging from 1·0°F. in England, E., to 2·3°F. in Scotland N. The mean maximum temperature at Renfrew, 61·1°F, was the highest at that station in May since before 1921. On the whole, the warmest spell occurred during the last eight or nine days; temperatures approaching or somewhat exceeding 80°F. were recorded at a number of stations in England on the 25th, 29th and 30th, while in Scotland 75°F. was registered at Forres and Gordon Castle on the 29th. Another fairly warm spell was around the 2nd–3rd and it was rather warm at times locally in west Scotland and parts of Ireland between the 15th and 18th, though this latter period was cool on the whole in east and south-east England. At certain stations in Ireland the highest temperature of the month was registered also on the 14th.

An interesting drop in temperature in a short period of time was registered at West Kirby on the 29th; there was a fall of 16°F. in 25 minutes from 12 h. to 25 m. The fall in temperature occurred with a sudden change of wind from SE. to NNW. at 12 h.

The extremes for the month were:—(England and Wales) 84°F. at Camden Square (London) on the 29th and at Canterbury on the 30th, 30°F. at Thetford on the 17th; (Scotland) 75°F. at Forres and Gordon Castle on the 29th, 24°F. at Dalwhinnie on the 13th; (Ireland) 72°F. at Cork on the 14th and 31°F. at Hazelhatch on the 10th and at Markree Castle on the 11th.

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 136, Scotland 78 and Ireland 80. In England and Wales less than the average occurred in most of Wales and the north-west of England, locally in the counties bordering Wales and at a few other scattered stations mainly in the south-west of England. More than twice the average fell in an area extending from the Wash southward to Woburn, Bedfordshire, and in other small isolated areas in the east and south, while 292 per cent. of the average was registered in Boston, Lincs. In Ireland, more than the average occurred in a central area extending from County Longford to the north of County Cork and at one or two other isolated stations. In Scotland more than the average was received over a considerable part of the south-east and east, in the Shetland Islands, at Stornoway and at one or two stations in Argyll. Less than 50 per cent. occurred locally in Sutherland, Caithness, Moray and Ayr, while less than 20 per cent. was registered in the Orkney Islands.

Among heavy falls in 24 hours were:—

12th. 1·93 in. at Holton Heath.

20th. 2·33 in. at Rendlesham Hall (Suffolk), 2·26 in. at Campsea Ashe (Suffolk), 2·11 in. at Sprowston and 1·87 in. at Cawston (Norfolk).

21st. 1·68 in. at Pipeland (Fife) and 1·62 in. at Gleneagles.

22nd. 1·66 in. at Borrowdale (Cumberland).

Thunderstorms occurred frequently mainly from the 3rd–5th, 7th, 12th, 20th–21st and 23rd–26th. The thunderstorm in the Wisbech district on the 26th was accompanied by a strong, squally wind and unusually heavy hail, which caused great damage to orchard and farm crops. Much glass was broken in the windows of churches and private houses and in greenhouses.

Sunshine.—Broadly speaking, sunshine exceeded the average in the west and north, and was deficient in the east and south-east. The percentages of the average for the various districts ranged from 121 in Ireland, N. and 120 in Ireland, S., to 87 in England, S.E. and 81 in England, E. (see Table I). More than 250 hours were registered locally in the extreme west of Scotland and in Anglesey; for example, the totals in hours were 267 at Tiree, 259 at Duntulm (Skye) and 252 at Holyhead.

Fog.—Fog occurred locally on many days, particularly during the first three weeks; it was fairly widespread from the 1st–3rd, on the 14th and from the 17th–20th. Fog was reported along practically the whole of the north-east coast on the 2nd and 3rd, and was thick at times locally on the south-west coasts on the 7th and 8th. It was rather widely reported in east and south-east England on the 12th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on five days; it was seen as far south as Eskdalemuir and Edinburgh on the 4th. Mr. G. A. Clarke, of Aberdeen Observatory, observed a solar halo on each day of the week 23rd–29th inclusive.

TABLE I—DISTRICT VALUES— MAY, 1937

[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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	71	24	+2·3	-	-	76	- 6	118	36
Eastern									
1 SCOTLAND, E.	75	26	+2·0	-	-	104	- 3	109	36
2 ENGLAND, N.E.	78	35	+1·6	+0·9	+0·5	170	+ 1	98	34
3 ENGLAND, E.	80	30	+1·0	0·0	-0·1	162	0	81	36
4 MIDLAND COUNTIES ..	80	31	+1·5	+0·5	+0·9	125	- 1	103	37
5 ENGLAND, S.E.	84	32	+1·1	+0·8	+0·7	134	0	87	38
Western									
6 SCOTLAND, W. (*and I. of Man*)	70	29	+2·2	+1·9	+1·1	65	- 2	114	39
7 ENGLAND, N.W. (*and N. Wales*)	78	32	+1·7	+1·0	+1·1	87	- 2	109	41
8 ENGLAND, S.W. (*and S. Wales*)	78	33	+1·2	+1·2	+1·2	83	- 1	101	40
9 IRELAND, N. ..	68	31	+1·5	+1·9	+1·1	80	- 2	121	43
10 IRELAND, S. ..	72	31	+1·1	+1·5	+1·1	95	+ 1	120	44
11 CHANNEL I. (*and Scilly*)	77	44	+1·3	+0·5	+0·3	165	0	89	41
Mean, DISTRICTS 1—10	84	26	+1·5	+1·1	+0·8	111	- 1	104	39

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— MAY, 1937

[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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	27	7	10	56	282	346	53	0	310	44	20	27 13	67	30	27	13	20
Orkney Kirkwall	170	40	35	-	0	6	48	254	406	36	0	180	33	15	25 15	55	25	31	09	10
Hebrides Stornoway	—	40	36	-	0	13	91	259	339	55	0	200	38	17	29 15	57	25	29	15	55
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	-	0	0	0	70	455	219	0	190	21	9	23 13	45	20	23	13	00
Angus Bell Rock Lighthouse	130	—	126	21	1	12	80	290	311	62	0	20	40	18	21 09	56	25	21	08	45
Edinburgh Edinburgh	485	39	23	-	0	3	10	166	414	154	0	190	30	13	24 24	51	23	23	08	50
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	-	0	7	21	268	351	104	0	330	30	13	5 09	45	20	5	08	50
Renfrew Paisley	188	81	31	-	0	0	0	65	465	214	0	310	24	11	5 12	45	20	5	10	00
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	1	5	129	412	198	0	310	30	13	5 12	53	24	5	11	10
Dumfries Eskdalemuir ..	825	50	35	-	0	4	18	203	345	178	0	290	33	15	5 11	58	26	5	11	20
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	-	0	6	36	259	346	103	0	170	31	14	9 10	45	20	24	19	20
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	-	0	2	3	210	395	136	0	340	31	14	21 08	46	21	21	07	50
Yorks.,N.R. Catterick	220	45	33	-	0	1	5	74	394	271	0	280	28	13	5 14	50	22	5	15	30
Yorks.,E.R. Spurn Head ..	64	42	34	5	3	4	20	300	389	32	0	290	40	18	5 18	60	27	5	17	55
Lincoln Cranwell	284	43	33	-	0	1	1	95	451	197	0	280	25	11	5 18	46	21	5	15	30
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	1	2	135	424	183	0	160	27	12	22 16	51	23	21	00	35
Suffolk Felixstowe Aero. ..	60	45	35	-	0	0	0	143	479	122	0	10	22	10	8 13	36	16	26	17	30
Suffolk Mildenhall	64	45	20	-	0	1	1	129	494	120	0	290	25	11	26 17	48	21	26	16	00
Bedford Cardington ..	285	150	135	-	0	2	3	147	459	123	12	230	28	13	21 17	43	19	21	16	20
Essex Shoeburyness ..	115	104	89	-	0	1	5	213	432	94	0	180	27	12	22 13	42	19	26	16	30
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	-	0	0	0	122	572	50	0	300	21	9	5 10	38	17	11	14	40
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	-	0	0	0	16	634	94	0	230	15	7	21 14	40	18	26	14	45
Surrey Kew Observatory ..	92	75	50	-	0	0	0	81	519	144	0	210	19	8	23 13	39	18	26	14	50
Surrey Croydon	313	105	70	-	0	1	1	172	482	89	0	240	25	11	21 13	39	17	21	12	45
Kent Dover	66	66	60	-	0	0	0	248	399	97	0	-	24	11	21 01	43	19	21	01	10
Kent Lympne	418	76	48	-	0	3	11	176	477	80	0	10	26	13	18 05	42	19	15	06	45
Hampshire Calshot	58	50	42	-	0	2	20	172	453	99	0	180	31	14	22 15	48	21	21	12	20
Wiltshire Boscombe Down ..	462	45	33	-	0	0	0	133	537	74	0	170	23	10	22 11	39	17	21	10	15
Wiltshire Larkhill	491	51	36	-	0	2	8	213	486	37	0	260	26	12	21 11	44	20	21	13	25
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	1	17	199	407	121	0	320	35	16	5 14	46	21	5	15	25
Lancashire Manchester (Barton)	153	83	80	-	0	2	13	180	384	167	0	280	33	15	5 16	51	23	5	12	45
Lancashire Southport	60	42	33	-	0	2	21	208	434	81	0	280	32	14	5 05	46	21	5	08	00
Cheshire Bidston Obs'y. ..	262	64	39	-	0	2	20	209	401	114	0	290	30	13	5 15	50	22	5	11	35
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	-	0	2	9	294	346	95	0	290	28	13	5 04	42	19	23	04	50
Flint Sealand	81	65	42	-	0	1	9	123	418	194	0	270	28	13	5 15	42	19	5	08	35
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	-	0	0	0	84	407	253	0	190	22	10	22 10	43	19	22	11	00
Devon Plymouth	185	88	65	-	0	2	9	136	372	204	23	-	28	13	22 09	38	17	29	06	40
Cornwall The Lizard	315	75	60	-	0	3	16	260	386	82	0	190	29	13	22 08	40	18	22	07	05
Cornwall Pendennis Castle ..	256	65	42	-	0	8	44	221	356	123	0		34	15	22 20	47	21	21	13	00
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30	-	0	1	(1)	(110)	(239)	(174)	(220)	-	(25)	11	25 14	(43)	19	25	13	25
Antrim Aldergrove	282	40	20	-	0	0	0	102	430	212	0	170	19	9	25 09	37	17	25	08	50
10 IRELAND, S.												140			11					
Dublin Kingstown(Cup Anr.)	49	27	27	-	0	1	3	175	278	85	203	130	25	11	22 12	-	-	-	-	-
Clare Quilty	100	40	32	-	0	3	12	235	361	125	11	-	29	13	28 16	39	17	28	15	50
Kerry Valentia Observatory	98	41	33	-	0	4	23	297	311	113	0	170	27	12	28 15	49	22	25	06	50
Cork Cork	132	71	40	-	0	0	0	106	360	194	84	-	19	9	26 15	37	17	24	08	55
11 SCILLY ISLES																				
St. Mary's	230	65	57	-	0	4	24	309	363	48	0	20	34	15	11 11	52	23	11	10	15

‡‡ 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).

MONTHLY WEATHER CHARTS, MAY, 1937.

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

The dotted lines indicate the normal distribution of pressure in May, based on 45 years' observations, 1881–1915.

1014 1015 1016

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H

SCALE 1: 25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 56° 54° 52° 50° 48°

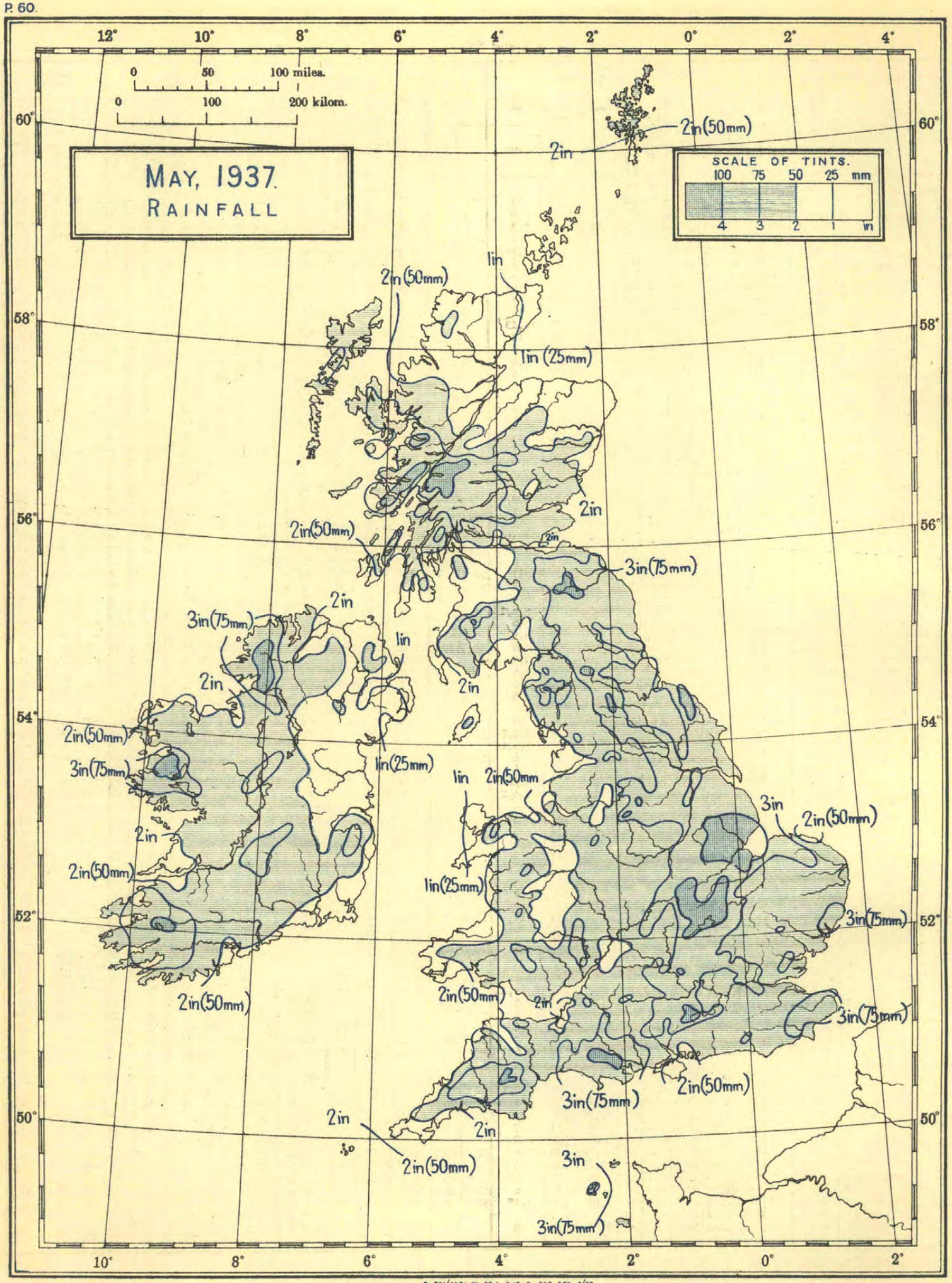
Sea temperatures are shewn in large figures, thus: (50°)

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 8·0 7·0 6·0 5·0

H.M. Stationery Office Press, Kingsway, W.C. 2.

*The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Pz.881/3301. Wt.23.A. D.17. Gp.308. 350. 6/37.

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 MAY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Máx. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0 SCOTLAND, N.																														
Shetland	Baltasound ..	9 9 9	31	53·5	43·8	48·7	+2·6	61	26	34	13	48·9	–	2·78	71	122	1·22	27	14	9	0	0	0	1	2	–	1	4·96	92	29
	Lerwick .. ¶§	18–7 7	156	48·9	43·5	46·2	+1·3	55	23,24,26	37	6	–	–	2·60	66	135	1·13	27	11	8	0	0	0	0	1	–	2	4·16	83	24
Orkney	Deerness	2121 9	160	52·7	44·1	48·4	+2·0	60	26,29	40	6,7	–	–	·36	9	18	·16	21	8	2	0	0	0	1	2	–	–	5·09	96	30
	Kirkwall .. ¶§	9 9 9	113	54·5	43·2	48·9	+1·6	66	26	36	7	49·6	–	·37	9	18	·16	21	8	3	0	0	0	1	2	7	4	5·73	108	34
Hebrides	Skallary	101010	30	55·4	45·8	50·6	–	59	27	40	4,18	–	–	2·99	76	–	·50	4	17	15	0	0	0	0	–	–	–	–	–	–
	Stornoway(C.G.)¶§	18–7 7	80	56·1	45·1	50·6	+3·1	61	27	36	6	–	–	2·65	67	109	·56	21	16	13	0	0	0	0	1	–	3	7·62	132	46
	Stornoway ..	– – 9	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Skye	Duntulm ..	9 9 9	294	56·8	44·5	50·7	–	66	28	38	6	–	–	2·87	73	–	1·05	21	17	14	0	0	0	1	0	1	0	8·37	–	51
Caithness	Wick	18–7 7	81	52·5	43·7	48·1	+2·0	67	29	38	3	–	–	·69	17	33	·27	26	8	3	0	0	0	1	4	–	0	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	62·2	41·3	51·7	+2·8	70	27	31	2	–	–	(2·96)	(75)	(66)	·73	20	–	–	0	0	0	1	0	–	–	–	–	–
	Fortrose	9 9 9	69	58·7	45·0	51·9	+2·6	69	29	37	10,13	–	–	1·49	38	–	·84	21	13	9	0	0	0	0	–	–	0	6·87	125	42
Inverness	Dalwhinnie † ..	18–7 7	1176	57·7	38·3	48·0	–	68	2	24	13	–	–	2·62	67	–	·96	21	16	12	0	0	0	0	1	13	0	6·01	–	37
	Ft. Augustus ¶	9 9 9	68	61·1	42·6	51·9	+3·2	71	2,28	32	6	–	–	1·25	32	52	·52	21	14	8	0	0	0	1	0	–	–	5·65	128	348
	Ft. William ..	9 9 9	34	61·2	43·6	52·4	+1·9	68	28	34	2,6	53·3	49·3	3·10	79	81	1·13	21	18	14	0	0	0	0	3	0	6·89	–	428
	Inverness ¶§	9 9 9	242	59·2	43·7	51·5	+2·1	70	2	35	6	–	–	1·25	32	67	·83	21	8	7	0	0	0	1	0	1	0	7·09	140	43
1 SCOTLAND, E.																														
Nairn	Nairn .. ¶§	9 9 9	20	59·3	43·1	51·2	+2·1	72	29	31	13	–	–	1·19	30	66	·81	21	9	4	0	0	0	0	0	–	0	7·32	139	44
Moray	Forres	9 9 9	155	62·3	42·7	52·5	–	75	29	34	10,13	–	–	·91	23	–	·52	21	8	6	0	0	0	1	0	–	0	7·48	–	45
	Gordon Castle ..	2121 9	104	60·9	43·7	52·3	+2·8	75	29	34	13	–	–	1·81	46	85	·95	21	9	7	0	0	0	2	–	–	–	7·40	135	458
Banff	Banff	9 9 9	130	59·0	45·1	52·1	+3·3	73	29	38	7	–	–	1·08	27	57	·47	21	10	6	0	0	0	0	0	0	0	6·84	122	41
Aberdeen	Aberdeen ¶§	242424	79	54·5	45·1	49·8	+1·8	65	30	39	6	50·4	46·6	1·52	39	65	·72	21	11	5	0	0	0	2	3	0	0	5·29	96	32
		18–7 –	—	54·5	44·0	49·3	+1·2																							
	Balmoral	9 9 9	927	59·3	37·4	48·3	+1·9	67	2,29	26	11	–	–	1·73	44	74	1·01	21	13	6	0	0	0	0	–	10	0	–	–	–
	Braemar	2121 9	1111	59·1	37·6	48·3	+2·0	67	2	27	6,9,15	–	–	2·28	58	97	1·30	21	14	8	0	0	0	0	0	11	0	6·17	–	388
	Craibstone ..	9 9 9	300	55·6	42·2	48·9	+2·0	66	29	34	7	49·0	45·5	1·62	41	64	·83	21	11	8	0	0	0	3	–	1	–	6·34	120	39
	Logie Coldstone..	9 9 9	608	60·0	37·7	48·9	+1·2	70	2,29	26	11	–	–	2·00	51	81	1·02	21	12	9	0	0	0	1	0	–	–	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	55·0	42·4	48·7	–	67	29	34	7	–	–	1·96	50	–	·65	21	11	8	0	0	0	2	2	–	–	5·28	–	32
Angus	Arbroath.. ..	2121 9	93	55·9	42·6	49·3	+0·6	64	29	33	6	–	–	2·12	54	105	1·25	20	12	7	0	0	0	3	4	3	0	5·65	96	35
	Carnoustie ..	9 9 9	39	54·8	43·0	48·9	+0·6	68	29	36	6	–	–	2·19	56	103	·76	21	16	11	0	0	0	2	–	–	0	5·43	95	33
	Dundee .. ¶§	9 9 9	147	57·4	43·9	50·7	+1·6	72	29	37	13	53·4	–	2·41	61	120	·96	21	15	12	0	0	0	1	–	1	0	5·32	100	33
	Kettins	9 9 9	218	59·5	41·9	50·7	+1·6	70	29	31	13	53·4	–	1·74	44	65	·91	21	11	6	0	0	0	1	1	4	1	–	–	–
	Montrose.. ..	9 9 9	16	54·4	41·7	48·1	+0·4	64	26,30	35	12,13	–	–	2·04	52	–	·73	21	12	10	0	0	0	1	3	–	0	5·48	102	34
Perth	Crieff	2121 9	478	59·0	42·4	50·7	+1·8	67	2,17,29	37	5,6,13	–	–	2·96	75	119	1·26	21	13	9	0	0	0	4	–	–	0	–	–	–
	Perth	9 9 9	76	61·1	42·9	52·0	+1·7	71	29	32	6	–	–	2·14	54	97	1·24	21	11	9	0	0	0	0	–	–	–	5·31	97	33
Fife	Cupar	9 9 9	210	58·1	43·3	50·7	+1·7	70	29	37	6,13	–	–	2·17	55	–	·86	21	9	6	0	0	0	1	1	–	–	–	–	–
	Dunfermline ..	9 9 9	237	59·0	43·8	51·4	–	70	29	38	6	53·3	49·2	2·60	66	–	1·02	21	13	9	0	0	0	3	0	1	0	5·49	–	34
	Inchkeith ..	18–7 7	190	56·1	44·7	50·4	+1·6	68	29	40	2,9	–	–	1·66	42	98	·80	21	13	8	0	0	0	1	3	0	0	5·45	100	34
	Kirkcaldy ..	9 9 9	137	58·6	43·5	51·1	+1·0	70	29	38	5,6	–	–	2·57	65	–	1·20	21	10	7	0	0	0	3	–	–	–	–	–	–
	Leuchars.. ..	18–7 7	36	56·9	42·8	49·9	+1·6	71	29	34	6	–	–	2·37	60	120	1·32	21	14	9	0	0	1	2	3	2	0	5·91	104	36
	St. Andrews ..	9 9 9	13	56·5	44·3	50·4	+1·6	73	29	36	6	52·7	48·4	2·56	65	123	·81	20	12	8	0	0	0	1	4	0	–	5·76	105	35
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	57·6	45·0	51·3	+2·4	71	29	39	9	–	–	2·52	64	123	·92	20	16	8	0	0	1	1	6	0	0	5·77	110	368
	Boghall	9 9 9	639	58·0	42·8	50·4	+2·6	69	29	38	3,4,9	51·0	47·6	3·08	78	–	·92	20	14	11	0	0	0	2	1	0	–	5·36	106	33
	Liberton ..	9 9 9	190	59·8	43·6	51·7	–	73	29	37	2,6,16	–	–	2·58	65	–	1·10	20	12	9	0	0	1	1	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	59·0	43·9	51·5	–	72	29	37	6	53·0	48·9	2·47	63	–	·94	20	13	9	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	57·0	44·5	50·7	–	74	29	39	6	–	–	2·81	71	–	1·39	20	14	9	0	0	0	1	1	0	0	5·72	–	35
	N. Berwick ..	9 9 9	118	58·6	43·8	51·2	+2·3	71	29	37	6,10	–	–	2·88	73	153	·95	21	11	9	0	0	0	2	1	0	0	5·43	100	33
Berwick	Marchmont ‖ ¶§	2121 9	498	58·8	42·4	50·6	+2·0	73	29	37	5,6,22	–	–	3·68	93	148	·90	21	13	9	0	0	0	5	–	–	0	5·35	100	338
	St. Abb's Head	18–7 7	280	–	–	–	–	–	–	–	–	–	–	3·17	81	–	1·28	21	12	9	0	0	0	3	7	–	0	–	–	–
Peebles	Peebles	9 9 9	629	59·7	42·2	50·9	–	70	29	34	6	–	–	3·13	79	–	1·21	20	15	12	0	0	0	0	3	0	4·93	–	31
	West Linton ..	9 9 9	820	58·8	40·6	49·7	+2·4	68	29	32	15	52·9	47·0	2·42	61	–	·80	21	13	11	0	0	0	1	0	10	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	60·6	43·5	52·1	+2·0	74	29	36	9	–	–	3·14	80	163	1·06	20	14	8	0	0	0	2	0	–	0	–	–	–
	Wolfelee	9 9 9	537	59·5	42·0	50·7	+1·8	72	29	35	2	–	–	3·60	91	152	1·20	20	15	10	0	0	0	4	0	–	0	–	–	–
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	60·5	39·1	49·8	-0·7	67	28	30	6	–	–	3·56	90	–	·81	21	16	15	0	0	0	0	–	13	–	–	–	–
	Colonsay ..	9 9 9	87	56·8	43·9	50·3	–	64	29	33	6	–	–	2·56	65	–	·39	21	18	16	0	0	0	1	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	60·7	42·8	51·7	–	67	17	29	18	53·2	49·9	3·45	88	–	·56	20	15	12	0	0	0	0	0	4	–	5·51	–	348
	Dunoon	9 9 9	132	57·9	45·1	51·5	–	64	15,17	37	6	–	–	1·90	48	–	·64	20	14	11	0	0	0	0	0	1	0	6·32	–	39
	Glenbranter ..	9 9 9	188	61·4	39·6	50·5	+0·9	68	15,16	29	6	–	–	2·66	68	–	·67	21	15	14	0	0	0	0	0	12	–	–	–	–
	Oban	9 9 9	229	58·9	45·6	52·3	–	65	29	36	6	–	–	2·36	60	–	·80	21	15	11	0	0	0	0	0	0	0	7·73	132	47
	Tiree .. ¶§	18–7 7	22	55·7	45·0	50·3	+0·6	61	29	35	6	–	–	2·53	64	102	·56	21	15	11	0	0	0	1	1	0	0	8·60	120	53
Bute	Rothesay ¶§	2121 9	200	58·4	45·2	51·8	+1·9	64	15	38	6	53·6	50·0	1·75	45	58	·53	20	14	9	0	0	0	2	0	2	2	6·80	121	42
Dumbarton	Cardross	9 9 9	130	60·5	44·0	52·3	+2·3	67	15	37	6,13,14	–	–	1·78	45	–	·35	21	14	11	0	0	0	0	0	–	–	5·79	112	368
	Helensburgh ..	9 9 9	293	59·8	44·0	51·9	+1·4	66	15,17,29	35	6	–	–	1·59	40	52	·58	20	12	10	0	0	0	0	1	–	0	5·99	112	37
Stirling	Stirling	9 9 9	151	61·8	44·8	53·3	+2·6	70	3,17	40	6	50·4	47·2	1·55	39	–	·53	20	12	6	0	0	1	1	0	1	0	5·16	106	328
Renfrew	Greenock ..	9 9 9	199	60·4	46·3	53·3	+3·0	66	2,15,29	40	6	–	–	1·74	44	50	·46	20	13	9	0	0	0	0	4	0	0	6·55	–	40
	Paisley	2121 9	106	62·1	46·2	54·1	+2·6	69	17	38	2	54·2	49·1	1·52	39	61	·62	20	12	6	0	0	0	2	0	1	0	5·89	113	36
	Renfrew ¶§ (Abbotsinch)	18–7 7	19	61·1	44·0	52·5	+2·9	68	29	33	2,6	–	–	1·44	37	61	·65	21	12	7	0	0	0	2	0	2	0	6·02	115	37
Lanark	Carluke	9 9 9	534	60·5	44·0	52·3	–	68	3	36	12	–	–	1·24	32	–	·61	20	12	7	0	0	2	1	0	3	0	5·98	–	37
	Dungavel ..	9 9 9	798	57·8	42·2	50·0	+2·5	65	3	35	6,9,12	–	–	1·70	43	–	·53	20	11	6	0	0	0	1	0	–	–	–	–	–
	Glasgow	9 9 9	85	60·6	46·6	53·6	+2·8	67	2,3,29	39	6	–	48·6	1·69	43	65	·53	20	13	10	0	0	0	2	2	–	0	5·47	–	34
Ayr.	Auchincruive ..	9 9 9	89	60·8	43·3	52·1	–	67	3,29	33	6,12	54·0	49·8	1·22	31	–	·41	20	13	6	0	0	0	1	0	5	0	6·52	–	40
	Ayr	2121 9	43	59·1	46·1	52·6	–	67	29	38	2	–	–	·94	24	–	·23	21	8	7	0	0	0	0	0	–	0	6·65	–	41
	Colmonell ..	9 9 9	170	59·0	44·0	51·5	+0·7	67	29	31	2	–	–	1·10	28	43	·25	4	10	8	0	0	0	0	0	4	–	–	–	–
	Kilmarnock ..	9 9 9	130	61·5	44·8	53·1	–	68	3,29	33	6	53·6	50·3	1·53	39	–	·41	20	11	7	0	0	0	0	0	2	0	6·59	–	41
	Troon	9 9 9	15	58·1	46·9	52·5	–	62	3,28	38	6	–	–	1·08	27	–	·37	20	14	8	0	0	0	0	0	0	0	7·03	–	448
	Turnberry ..	9 9 9	30	58·4	45·3	51·9	+1·2	67	28	37	6,12	–	–	·98	25	–	·21	20	12	7	0	0	0	0	0	0	0	7·11	113	44
Dumfries	Dumfries.. ¶§	2121 9	140	59·6	45·0	52·3	+1·6	68	18	36	6	53·0	48·9	1·63	41	63	·36	20	13	9	0	0	0	2	0	3	0	6·03	105	38
	Eskdalemuir ¶§	242424	794	58·5	40·8	49·7	+2·4	68	18	34	1,18	50·7	45·9	2·59	66	78	·89	21	16	10	0	0	0	5	2	5	1	4·97	96	31
		18–7 –	—	58·6	41·2	49·9	+2·8																							
	Ruthwell.. .. ‖	2121 9	67	61·0	44·4	52·7	+1·8	68	3,18,29	36	6	–	–	1·70	43	–	·49	20	15	10	0	0	0	1	–	–	–	5·17	94	328

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

‖ On and after April 18th observations were taken one hour earlier than the times shown.

† Observations taken at 17h. instead of 18h. G.M.T. on Sundays during Summer time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS MAY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER NUMBER OF DAYS: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	56·7	45·6	51·1	+0·6	64	18	38	11	-	-	1·70	43	68	·49	20	10	10	0	0	0	0	1	3	0	7·54	115	47
	Point of Ayre ..	18–7 7	30	59·0	45·9	52·5	-	70	29	35	6	-	-	1·53	39	-	·38	20	11	11	0	0	0	0	1	-	0	7·85	-	49
2 ENGLAND, N.E.																														
Northum-berland	Berwick-on-T. ..	9 9 9	76	54·7	44·6	49·7	+1·9	71	29	39	2,6	-	-	2·77	70	153	1·33	20	13	10	0	0	0	3	0	0	0	6·12	115	38
	Bellingham ..	9 9 9	849	58·9	41·9	50·4	+2·1	71	29	36	5	-	-	3·09	79	129	·88	20	16	11	0	0	2	4	1	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	57·8	41·5	49·7	+1·2	73	29	36	3,17	49·6	47·7	3·27	83	148	1·34	20	16	12	0	0	0	4	2	0	0	4·78	88	30
	Tynemouth ..	18–7 7	108	54·4	46·0	50·2	+1·2	70	25	41	3,5,17	-	-	3·33	85	166	1·06	20	14	9	0	0	1	3	3	0	0	4·74	-	29
Durham	Chopwellwood ..	9 9 9	446	60·0	43·5	51·7	+2·6	75	29	36	17	-	-	2·87	73	135	1·04	20	15	14	0	0	0	9	0	6	-	5·11	97	32
	Durham .. ¶§	2121 9	336	59·7	43·8	51·7	+2·3	74	29	37	16	-	-	2·78	71	144	·90	20	15	9	0	0	0	2	1	1	0	5·12	99	32
	Houghall	9 9 9	160	60·8	44·1	52·5	+3·6	75	29	36	18	-	-	3·10	79	-	·91	20	13	8	0	0	0	2	0	3	0	5·11	105	32
	Sunderland ..	9 9 9	70	56·9	45·2	51·1	-	72	25	41	3,17,19	-	-	2·73	69	-	·96	20	12	9	1	0	0	1	3	0	-	-	-	-
	Ushaw College ..	9 9 9	594	58·8	44·3	51·5	+2·0	73	29	37	3	-	-	3·09	79	143	·96	20	18	12	0	0	0	2	6	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	59·8	44·5	52·1	+1·4	73	29	35	3	-	-	2·76	70	-	·90	20	15	11	0	0	1	2	6	2	-	5·25	-	32
	Castleton ..	9 9 9	450	60·0	42·8	51·4	-	74	29	35	2,17	51·1	-	2·57	65	-	·85	20	16	12	0	0	2	2	0	1	-	-	-	-
	Catterick	18–7 7	175	60·1	45·2	52·7	-	77	29	37	1	-	-	2·58	65	-	·83	20	16	9	0	0	0	2	4	0	0	5·09	-	32
	Scarborough †¶§	9 9 9	118	57·7	45·6	51·7	+0·8	75	25	38	3	-	50·6	3·47	88	184	1·12	11	12	6	0	0	0	1	3	0	0	5·55	98	35
	York .. ¶§	2121 9	57	62·0	46·6	54·3	+1·8	76	29	38	1,3	52·5	48·7	3·45	88	172	1·00	11	15	9	0	0	0	1	-	-	0	5·45	107	34
Yorks., E. Riding	Hull	2121 9	8	61·1	47·7	54·4	+2·5	78	25	36	1	53·2	47·9	3·40	86	176	1·21	11	12	8	0	0	0	1	1	0	-	5·14	103	32
	Spurn Head ..	18–7 7	29	56·6	46·4	51·5	+1·0	76	25	39	1	-	-	3·75	95	208	1·19	11	17	12	0	0	0	4	5	-	1	4·70	79	30
Lincoln	Cranwell .. ††¶§	18–7 7	203	61·4	44·9	53·1	+1·8	75	29	36	1	53·6	49·9	3·64	92	201	·81	11	15	11	0	0	0	3	5	2	0	5·90	97	37
	Cleethorpes ..	9 9 9	23	59·0	46·5	52·7	+2·2	77	25	37	1,2	-	-	3·43	87	-	·97	11	14	9	0	0	0	2	0	0	-	5·15	95	33
	Skegness ..	9 9 9	15	58·3	47·1	52·7	+2·0	76	25	39	1	-	-	3·94	100	233	·85	20	12	10	0	0	0	3	0	0	-	5·36	81	34
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	59·5	46·9	53·2	+1·3	79	25	38	1	-	-	1·97	50	119	1·06	20	9	7	0	0	0	2	2	0	0	6·00	91	38
	Hunstanton ..	9 9 9	105	60·2	47·4	53·8	+1·9	77	25	36	1	-	-	4·46	113	-	1·30	25	13	10	0	0	0	3	1	-	-	6·21	104	40
	Norwich	9 9 9	110	62·9	46·7	54·8	+1·1	80	25	37	17	53·7	-	2·97	75	-	1·56	20	13	10	0	0	0	2	-	0	-	5·59	81	36
	Sprowston ..	9 9 9	93	61·9	45·7	53·8	+2·5	77	25	34	17	-	-	3·59	91	-	2·11	20	12	10	0	0	0	2	-	2	-	5·23	81	33
	Terrington ..	9 9 9	13	62·3	46·3	54·3	-	78	25	37	1,2	-	-	4·72	120	-	1·30	26	11	9	0	0	0	3	0	0	-	5·69	-	36
	Thetford ..	9 9 9	99	63·1	43·7	53·4	-	79	25	30	17	54·2	50·4	2·03	52	-	·89	20	10	8	0	0	0	3	0	2	-	5·35	-	34
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	56·8	47·5	52·1	+0·8	77	30	41	1,17	54·0	49·7	2·13	54	123	·59	20	11	8	0	0	0	2	4	0	0	6·40	89	41
Suffolk	Bungay (Flix'n) ..	9 9 9	79	62·8	45·5	54·1	+1·4	78	30	34	5	-	-	2·90	74	-	1·46	20	11	10	0	0	0	2	0	0	-	-	-	-
	Chadacre ..	9 9 9	250	62·6	45·7	54·1	-	78	25,26	36	17	-	-	2·25	57	-	·77	20	11	11	0	0	0	2	0	2	-	5·99	-	38
	Copdock	9 9 9	164	62·5	46·8	54·7	+1·6	78	30	39	1	54·7	50·9	2·73	69	-	·98	20	11	9	0	0	0	3	0	0	-	5·70	83	37
	Felixstowe Aero ..	18–7 7	15	58·9	47·9	53·4	+1·3	72	24,30	40	12	-	-	2·90	74	216	1·38	20	12	10	0	0	0	4	0	0	0	6·29	84	40
	Lowestoft ..	9 9 9	82	59·4	47·1	53·3	+2·4	77	30	41	1	55·2	51·9	2·35	60	146	·86	20	10	8	0	0	0	2	2	0	0	5·96	85	38
	Mildenhall ..	18–7 7	19	62·6	46·7	54·7	-	79	25	37	17	-	-	2·18	55	-	·88	20	12	9	0	0	0	4	1	0	0	5·90	-	38
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	62·5	46·0	54·3	+0·8	79	25	35	17	55·1	51·2	2·51	64	142	·71	20	11	8	0	0	0	3	0	0	0	5·11	80	33
	(Univ. Farm) ..	9 9 9	78	62·7	46·7	54·7	-	78	25	36	17	-	-	3·08	78	-	1·00	25	15	9	0	0	0	2	4	0	0	5·54	-	35
Bedford	Luton	9 9 9	381	60·9	45·9	53·4	+1·7	77	29	34	17	55·0	50·2	3·81	97	-	·84	25	14	12	-	-	-	-	0	2	-	4·74	77	31
	Woburn	9 9 9	291	61·5	45·5	53·5	+1·0	77	29	34	17	55·5	50·1	3·94	100	204	1·03	25	16	11	0	0	0	4	1	0	-	5·38	89	35
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	60·5	47·0	53·7	+1·2	75	25	37	17	53·0	-	3·48	88	180	·74	25	14	12	0	0	1	3	0	1	0	5·11	80	33
	St. Albans ..	9 9 9	272	62·3	45·6	53·9	+1·9	77	25	38	9,17	55·4	-	2·78	71	157	·61	20	13	11	0	0	0	2	0	0	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	58·7	48·3	53·5	+0·4	71	30	40	1	55·3	51·5	2·50	63	177	·64	20	15	11	0	0	0	3	0	0	-	5·78	79	37
	Chelmsford ..	9 9 9	134	63·5	46·8	55·1	+1·7	79	25	39	6	-	-	2·54	65	175	·66	20	14	10	0	0	0	1	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	62·8	45·9	54·3	-	79	25	40	6,17,18	-	-	2·82	72	-	·66	20	15	10	0	0	0	1	-	1	-	5·62	-	36
	Earls Colne ..	9 9 9	168	64·0	46·0	55·0	+2·1	78	25	36	17	-	-	1·76	45	-	·70	20	10	7	0	0	0	0	-	-	-	-	-	-
	Halstead ..	9 9 9	140	63·9	46·5	55·2	+1·1	79	25	36	17	-	-	2·25	57	-	·72	20	11	9	0	0	0	2	0	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	61·2	47·6	54·4	+1·8	78	30	40	1	-	-	2·92	74	225	·67	20	12	11	0	0	0	1	2	0	0	5·40	75	35
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	61·9	44·6	53·3	-	75	29	35	1	-	-	3·36	85	-	1·06	11	13	12	0	0	0	1	0	0	-	5·30	-	33
	Bingley	9 9 9	610	59·5	44·9	52·2	-	75	29	38	3,9	-	-	2·40	61	-	·75	20	14	11	0	0	0	2	3	0	-	-	-	-
	Bradford ..	9 9 9	439	59·9	45·7	52·8	+1·9	75	29	38	3	51·6	46·9	2·45	62	118	·72	20	14	13	-	-	-	-	5	0	-	5·18	99	32
	Doncaster ..	9 9 9	30	61·8	42·9	52·3	-	76	29	31	1	-	-	3·35	85	-	·92	11	14	9	0	0	0	1	1	7	-	5·70	-	36
	Giggleswick ..	9 9 9	575	59·2	44·5	51·9	+2·0	71	29	35	6	-	-	2·65	67	-	·60	20	15	12	0	0	0	3	0	-	0	4·74	93	30
	Harrogate ¶§	9 9 9	478	59·9	45·4	52·7	+1·8	75	29	39	3	50·9	49·0	3·01	76	139	·70	20	14	11	0	0	0	1	2	0	0	5·41	100	34
	Huddersfield ..	2121 9	325	61·1	45·0	53·1	+1·7	77	29	37	17	51·9	47·6	2·37	60	116	·67	20	13	8	0	0	0	2	2	1	-	4·47	93	28
	,, (Oakes)	9 9 9	761	60·3	44·5	52·4	+2·9	73	29	38	9	50·8	46·7	2·57	65	111	·73	20	17	11	0	0	0	0	7	0	0	-	-	-
	Meltham .. **	9 9 9	514	60·6	44·5	52·5	+1·8	76	29	37	17	51·2	50·2	2·80	71	100	·70	20	14	11	0	0	1	3	5	0	-	-	-	-
	Pontefract ..	9 9 9	255	60·6	45·2	52·6	+2·0	74	29	33	3	-	-	3·05	77	158	·79	11	14	7	-	-	-	-	5	0	-	-	-	-
	Sheffield	9 9 9	428	60·7	46·1	53·4	+1·3	75	29	39	3,9	51·1	47·5	3·06	78	134	·95	11	14	12	0	0	0	1	-	0	0	5·36	105	34
	Wakefield ..	9 9 9	124	62·1	45·5	53·8	+1·5	78	29	39	1,17	52·5	48·3	2·96	75	150	·71	11	15	12	0	0	0	2	3	0	-	5·13	106	32
Derby	Belper (School) ..	9 9 9	222	62·2	44·5	53·3	+0·8	78	29	35	1	-	-	2·45	62	115	·61	20	18	12	0	0	0	4	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	57·6	43·1	50·3	+1·2	72	29	34	17	49·5	46·4	2·41	61	78	·44	26	18	14	0	0	1	1	4	2	-	4·60	84	29
Nottingham	Attenborough ..	18 7 7	8	62·3	44·6	53·5	-	78	29	34	1,18	54·8	49·9	2·32	59	-	·63	20	11	6	0	0	0	3	4	3	0	-	-	-
	Mansfield ..	9 9 9	357	62·1	45·4	53·7	+2·8	77	29	37	3	-	-	3·00	76	-	1·23	11	12	11	0	0	0	4	4	-	-	-	-	-

† 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.

†† New Site as from December 9th, 1936.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS MAY, 1937

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		Percentage of Average	Most in a day		Precip'n									Percentage	
		Max. Min. Rain		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	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
4 MID COUNTIES—*cont.*																														
Nottingham	Nottingham ¶§	9 9 9	192	61·9	46·8	54·3	+1·4	78	29	38	1,6	52·7	49·8	2·13	54	115	·68	20	12	9	-	-	-	-	3	0	-	5·32	*100*	34
cont.	Sutton Bon'gton	9 9 9	157	61·9	45·1	53·5	+1·8	77	29	34	1	53·9	-	2·44	62	138	·69	20	12	11	0	0	0	3	0	0	-	5·54	*108*	35
	Worksop ..	9 9 9	56	62·8	44·9	53·9	+1·2	77	29	34	1	54·4	49·6	3·39	86	169	·97	11	13	8	0	0	0	2	-	1	0	5·78	97	37
Leicester	Belvoir Castle ..	2121 9	259	61·0	45·5	53·3	+1·5	76	25,29	39	14	54·3	48·5	3·48	89	164	1·13	26	13	10	-	-	-	-	-	0	-	5·75	93	37
	Leicester ..			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northampton	Oundle	9 9 9	147	61·8	44·9	53·3	+1·1	77	29	35	17	53·9	49·1	3·01	77	-	·84	25	10	9	0	0	0	1	0	0	-	5·29	92	34
Warwick	Birmingham ¶§	18–7 7	535	60·7	46·4	53·5	+2·1	77	29	38	6	49·4	47·6	2·50	63	118	·59	26	13	10	0	0	0	1	2	2	0	5·79	105	37
	,, Sparkhill	713 7	425	63·2	45·3	54·3	+1·4	80	29	35	6	-	-	2·33	59	102	·60	26	14	8	0	0	0	0	2	5	-	-	-	-
	Coventry	9 9 9	241	62·4	44·6	53·5	0·0	78	29	34	1,6	54·7	51·8	2·75	70	137	·50	11	16	12	0	0	0	1	0	2	-	5·21	94	33
	Rugby	2121 9	390	61·9	43·5	52·7	+0·4	76	29	33	1,6	-	-	3·19	81	-	·59	11	17	13	0	0	0	2	-	1	-	5·49	-	35
	Stratford-on-Avon	9 9 9	210																											
Oxford	Oxford .. ¶§	9 9 9	208	63·5	46·7	55·1	+1·2	79	29	36	1	56·3	51·9	2·62	67	139	·94	25	13	12	0	0	1	4	0	0	0	5·97	101	39
Bucks	Halton	9 9 9	544	62·4	45·8	54·1	-	77	29	36	6	54·7	49·4	3·36	85	-	·95	25	12	11	0	0	0	4	0	3	-	5·33	-	34
	Mursley	9 9 9	490	60·1	44·9	52·5	+1·0	76	29	34	1	52·1	-	4·07	103	199	1·24	25	14	11	-	-	-	-	-	-	-	5·52	91	35
Stafford	Market Drayton	9 9 9	581	60·5	43·2	51·9	-	74	29	32	6	-	-	2·48	63	-	·55	26	14	12	0	0	0	2	5	2	-	5·53	-	35
	Mayfield	9 9 9	374	61·4	42·8	52·1	+1·4	74	25,29	35	1,3,6	-	-	2·26	57	101	·50	26	16	13	0	0	1	4	-	1	-	5·03	89	32
Shropshire	Newport	9 9 9	211	61·7	44·1	52·9	-	76	29	34	6,11	-	-	2·84	72	153	·71	3	15	12	0	0	0	1	2	2	-	4·99	-	32
	Shrewsbury ..	9 9 9	184	62·6	44·6	53·6	+1·3	76	29	35	11,14	54·1	51·1	1·68	43	-	·49	11	13	10	0	0	0	1	0	4	0	5·48	-	35
Worcester	Malvern	9 9 9	380	62·4	47·0	54·7	+1·2	77	29	40	9	54·4	50·6	2·96	75	137	·76	11	12	12	0	0	0	2	2	0	-	6·69	*105*	43
	Worcester (Perdiswell) ..	9 9 9	94	63·8	44·6	54·2	+2·1	78	29	33	1	-	-	2·75	70	-	·65	22	14	11	0	0	0	2	-	2	-	6·06	-	39
Hereford	Bromyard ..	9 9 9	393	62·0	44·1	53·1	+0·8	77	29	33	1	54·7	50·0	2·57	65	-	·61	11	13	9	0	0	0	1	7	0	-	-	-	-
	Hereford ..	9 9 9	292	62·1	45·2	53·7	+1·0	77	29	36	1,6	-	-	3·37	86	156	1·18	3	13	11	0	0	0	1	1	0	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	61·9	45·9	53·9	+1·2	77	29	34	1	55·2	51·5	2·38	61	112	·52	3	13	10	0	0	0	2	4	2	0	6·42	*107*	41
Gloucester	Bristol (Horfield)	18–7 7	206	63·6	46·8	55·2	-	78	29	39	6,16	55·9	52·4	2·59	66	-	·43	8,9	14	13	0	0	0	2	3	0	0	-	-	-
	Cheltenham ..	2121 9	214	63·4	46·3	54·9	+1·0	79	29	37	1	55·8	52·6	1·82	46	98	·54	26	15	11	0	0	0	0	0	1	0	6·20	*101*	40
	Cirencester ..	9 9 9	443	61·5	44·1	52·8	+0·9	75	29	35	1	-	-	2·17	55	-	·60	26	15	13	0	0	0	1	0	1	-	6·51	*110*	42
	Parkend	9 9 9	325	61·9	42·6	52·3	-	75	29	31	6,17	53·3	49·7	2·67	68	-	·39	3	13	10	0	0	0	1	0	6	-	6·38	-	41
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—																									4·95	85	32
	Camden Square ..	9 9 9	110	65·3	49·2	57·3	+0·9	84	29	41	6	54·2	49·7	2·89	73	163	·67	20	13	11	0	0	0	2	-	0	-	-	-	-
	East Ham ..	9 9 9	15	63·7	48·5	56·1	+1·5	80	29	42	1,18	-	-	3·97	101	252	1·15	12	16	13	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	65·0	47·7	56·3	+1·5	82	25,29	40	6	-	51·1	3·25	83	184	·80	20	13	11	0	0	0	3	0	0	-	5·17	81	34
	*g*Greenwich ..	2424 9	149	65·1	46·7	55·9	+1·1	82	25,29	39	6	52·5	50·1	3·41	87	197	·72	20	14	12	0	0	1	2	1	2	0	5·08	81	33
		21 9 –	—	65·1	47·4	56·3	–																							
	Hampstead ..	9 9 9	450	61·9	45·8	53·9	+0·6	78	25,29	38	6,18	-	-	2·93	75	-	·74	20	15	10	0	0	0	2	-	5	-	5·39	83	35
	Kensington ..	18–9 9	80	63·6	49·1	56·3	+1·2	80	25	41	6	54·7	50·6	2·47	63	143	·63	20	12	10	0	0	0	1	1	0	0	5·47	-	36
	Kingsway ..	—	—																									4·99	-	32
	Regent's Park ..	9 9 9	129	64·5	48·7	56·6	-	81	29	41	6,18	-	-	2·84	72	-	·63	20	13	10	0	0	0	1	0	0	-	5·40	87	35
	Kew ¶§	242424	18	63·7	48·4	56·1	+1·4	80	29	40	6	55·8	51·3	2·15	55	124	·54	21	13	10	0	0	1	1	1	1	0	5·58	87	36
	Observatory ..	18–7 –	—	63·7	48·6	56·1	+1·6																							
	Tottenham ††¶§	2121 9	51	64·8	49·7	57·3	+1·8	81	25,29	42	6,18	-	51·2	3·11	79	189	·50	12,20	16	12	0	0	0	1	-	0	-	5·17	79	34
	Westminster ..	9 9 9	27	64·1	50·1	57·1	+1·3	80	29	40	6	-	-	2·53	64	158	·60	20	12	11	0	0	0	1	-	0	-	5·09	83	33
Surrey	Addington ..	9 9 9	472	61·9	47·1	54·5	+1·4	77	29	39	6	-	-	2·43	62	-	·58	20	14	11	0	0	0	0	3	-	-	-	-	-
	Croydon	18–7 7	217	63·4	48·4	55·9	+2·4	79	29	39	6	-	-	2·50	63	136	·53	20	15	12	0	0	1	1	2	0	0	5·54	90	36
	Wisley	9 9 9	150	63·9	47·1	55·5	+1·4	79	29	37	6	55·9	51·3	2·35	60	-	·65	20	13	11	0	0	0	2	1	3	0	5·26	82	34
Kent	Biggin Hill ..	18–7 7	567	60·9	47·0	53·9	+2·2	77	29	40	1,12,18	-	-	2·50	63	127	·52	20	16	11	0	0	0	1	5	0	0	5·74	89	38
	Bromley	9 9 9	213	64·0	47·9	55·9	-	80	25,29	39	6	-	-	2·53	64	154	·68	20	12	8	0	0	0	1	0	0	-	-	-	-
	Canterbury ..	9 9 9	135	64·2	47·5	55·9	+1·6	84	30	39	12	52·8	49·6	3·11	79	-	·72	12,20	11	9	-	-	-	-	-	0	-	-	-	-
	Dover	9 9 9	22	60·5	49·5	55·0	+1·7	73	25,30	43	1,12	55·6	52·6	4·00	102	-	1·08	20	11	10	0	0	0	4	1	0	0	5·81	78	38
	Dungeness ..	18–7 7	20	-	48·2	-	-	-	-	39	6	-	-	3·04	77	235	·99	20	13	11	0	0	0	2	4	-	0	-	-	-
	East Malling ..	9 9 9	132	62·8	45·8	54·3	+2·1	79	30	38	6	-	-	2·71	69	-	·87	20	11	8	0	0	0	0	0	0	0	5·71	95	37
	Folkestone ..	9 9 9	101	60·8	48·6	54·7	+1·8	76	25	41	1	-	51·6	3·09	78	-	·81	20	14	10	0	0	0	4	0	0	-	5·76	78	38
	Goudhurst ..	9 9 9	290	62·6	45·5	54·1	-	77	30	38	12	-	-	2·33	59	-	·68	20	13	10	0	0	0	2	2	2	-	-	-	-
	Lympne	18–7 7	346	60·4	47·1	53·7	+2·2	76	29	38	6	-	51·1	2·85	73	181	1·02	20	15	10	0	0	0	4	2	0	0	6·05	84	39
	Manston	18–7 7	142	60·6	47·9	54·3	-	79	30	41	12	-	-	3·29	84	-	·77	20	14	12	0	0	0	4	3	0	0	5·94	-	39
	Margate .. ¶§	9 9 9	51	60·0	49·6	54·8	+1·2	79	25	42	1	55·4	51·9	2·43	62	154	·53	12,14	12	9	0	0	0	2	1	0	0	5·78	76	38
	Tunbridge W. ..	9 9 9	355	64·3	46·5	55·4	+1·9	81	29	34	6	56·3	52·1	2·20	56	-	·55	18	12	9	0	0	0	0	0	0	0	5·63	82	37
	Wye	9 9 9	164	63·2	47·2	55·2	+3·3	79	29,30	38	6	-	-	3·09	78	-	·99	20	14	11	0	0	0	1	-	0	0	5·53	86	36
Sussex	Ardingly ..	9 9 9	437	63·5	46·6	55·1	+1·6	80	29	36	6	-	-	2·40	61	-	·85	20	14	9	0	0	0	0	-	0	-	-	-	-
	Beachy Head ..	18–7 7	502	58·2	47·3	52·7	+2·2	73	25,26	38	1,6	-	-	2·95	75	-	·70	20	16	11	0	0	0	2	7	-	-	-	-	-
	Brighton ..	9 9 9	32	60·5	49·7	55·1	+1·0	74	26	42	6	-	53·1	2·44	62	151	·74	20	14	11	0	0	0	0	0	0	0	5·79	80	38
	Eastbourne ..	2121 9	35	60·4	49·1	54·7	+1·3	75	30	42	1,17	55·6	52·9	2·57	65	156	·70	20	12	11	0	0	0	0	0	0	-	6·30	82	41
	Hastings ¶§	2121 9	149	60·7	48·5	54·6	+1·1	74	26	40	1,6	57·7	52·5	2·22	56	142	·65	20	11	10	0	0	0	0	0	0	0	5·90	78	39
Berkshire	Ascot H'therw'd	2121 9	300	63·4	45·7	54·5	+2·0	76	25,29	37	6	-	-	2·61	66	-	·57	20	15	11	0	0	0	3	1	3	-	5·61	92	37
	Reading	9 9 9	152	65·3	47·5	56·4	+2·3	79	29	39	6,17	55·8	51·9	3·20	81	-	1·17	25	14	12	0	0	0	4	-	0	0	-	-	-
	Shinfield ..	9 9 9	200	64·4	46·0	55·2	+2·1	78	29	36	17	-	-	3·24	82	-	1·05	25	13	12	0	0	1	5	-	-	-	-	-	-
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-	-	-

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 MAY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	62·4	47·2	54·8	+0·9	71	29	37	6	55·5	52·9	3·64	92	206	·76	25	13	11	0	0	0	3	0	-	-	6·38	90	42
	Calshot	18–7 7	8	61·4	48·7	55·1	+1·7	70	30	35	6	-	-	2·64	67	149	1·00	25	13	9	0	0	0	3	1	0	0	6·28	*91*	41
	Leckford ..	9 9 9	385	62·4	45·5	53·9	-	74	29	37	6	54·0	-	3·01	76	-	1·21	25	12	10	0	0	0	-	0	-	-	6·14	-	40
	Long Sutton ..	9 9 9	479	63·0	45·8	54·4	+2·1	77	29	37	6,17	56·0	-	4·69	119	-	1·22	25	12	11	0	0	2	2	0	0	-	5·48	*89*	36
	Southamp'n ¶§	2121 9	64	63·0	48·4	55·7	+0·8	74	29	39	1	-	-	2·96	75	149	·81	12	13	13	0	0	0	4	0	0	0	6·08	90	39
	S. Farnboro' ..	18–7 7	237	64·3	46·3	55·3	+2·1	78	29	34	6,17	-	-	2·46	63	143	·50	25	14	10	0	0	0	4	1	4	0	5·94	*89*	39
I. of Wight	Newport	9 9 9	48	65·3	46·9	56·1	+2·6	78	29	34	6	-	-	2·32	59	-	·65	10	12	10	0	0	1	2	0	1	0	-	-	-
	Ryde	9 9 9	13	61·9	49·0	55·5	+1·2	73	25,30	40	6	-	-	2·18	55	-	·54	7	13	10	0	0	0	1	0	-	0	6·72	*93*	44
	Sandown ..	9 9 9	13	60·9	48·9	54·9	+0·6	73	30	40	6	-	-	1·75	44	-	·46	10	12	10	0	0	0	2	0	-	-	6·69	90	44
	Totland Bay ..	9 9 9	140	60·4	47·8	54·1	+0·8	74	29	38	6	-	-	2·91	74	169	1·51	25	12	10	0	0	0	3	3	0	0	6·39	89	42
	Ventnor (Hospital)	9 9 9	59	61·4	49·5	55·5	+1·4	72	30	43	1,6	-	-	1·70	43	100	·44	8	13	8	0	0	0	3	-	-	0	6·56	91	43
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	61·9	45·4	53·7	-	75	29	34	1	-	-	2·24	57	-	·76	25	10	9	0	0	0	2	4	1	0	6·20	-	40
	Larkhill	9 9 9	440	61·5	45·1	53·3	+1·6	75	29	35	6	-	-	2·19	55	132	·64	25	12	12	0	0	1	4	0	3	0	-	-	-
	Marlboro' ‖ ¶§	9 9 9	424	62·7	43·4	53·1	+1·2	77	29	32	1	55·1	51·3	2·02	51	101	·39	25	13	12	0	0	1	2	0	4	0	6·12	105	40
	Porton	9 9 9	363	62·4	44·2	53·3	+1·8	75	29	32	6	54·5	-	2·42	61	140	·94	25	12	10	0	0	1	2	0	2	0	6·56	*109*	43
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	60·2	45·7	52·9	+1·7	71	29	33	6	52·8	48·3	1·92	49	60	·67	22	14	10	0	0	0	2	0	1	0	6·25	*112*	39
	Newton Rigg ¶§	2121 9	560	60·4	42·6	51·5	+1·4	70	29	35	6,16	-	-	2·00	51	88	·78	20	15	9	0	0	0	3	0	5	0	6·14	106	39
Westmorland	Ambleside ..	9 9 9	145	61·6	43·6	52·6	-	70	2,29	34	6,9	-	-	2·34	59	-	·47	20	18	12	0	0	0	2	0	-	-	5·35	-	34
	Appleby	9 9 9	440	61·2	43·3	52·3	+2·6	73	29	35	6	-	-	3·03	77	138	·83	20	18	14	0	0	0	4	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	61·4	45·8	53·6	+1·7	75	29	36	6	51·4	48·1	2·48	63	93	·46	11	13	12	0	0	0	1	1	-	0	-	4·93	105	328
	Burnley	9 9 9	458	60·8	44·5	52·7	+2·2	76	29	35	6,17	52·1	48·5	1·95	49	-	·55	20	11	11	0	0	0	2	2	1	-	4·75	*92*	30
	Darwen	2121 9	724	61·8	43·7	52·7	+2·2	75	29	35	1,6	53·6	48·2	2·42	61	76	·56	23	14	10	0	0	1	2	0	0	-	5·68	*109*	36
	Hutton	9 9 9	82	61·6	44·9	53·3	+2·0	74	29	34	6	53·3	49·4	1·95	49	-	·61	23	10	9	0	0	0	0	3	1	0	5·86	*101*	37
	Lancaster	9 9 9	312	61·4	45·5	53·5	+1·4	71	29	39	9	53·3	49·9	2·06	52	83	·45	20	13	11	0	0	0	2	1	0	-	5·62	95	36
	Leyland	9 9 9	125	61·7	44·5	53·1	+1·9	75	29	32	6	-	-	1·91	49	87	·52	11	12	10	0	0	0	2	1	1	-	5·89	*102*	37
	Manchester (Barton) ..	18–7 7	70	61·5	44·3	52·9	-	76	29	32	6	-	-	2·44	62	-	·48	26	14	9	0	0	0	1	9	2	0	5·16	-	33
	(Oldham Road)	2121 9	191	62·8	48·7	55·7	+2·0	78	29	40	6	52·9	49·7	2·14	54	89	·50	26	16	11	0	-	0	2	-	0	-	3·92	86	258
	(Whitworth Pk.)	2121 9	125	62·5	46·5	54·5	+1·4	78	29	36	6	-	-	1·86	47	86	·48	26	16	10	-	-	-	-	4	0	-	4·48	94	29
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	61·2	45·4	53·3	+1·6	75	29	35	6	55·1	51·5	1·89	48	91	·47	11	10	9	0	0	0	2	0	1	0	6·69	104	43
	Stonyhurst ¶§	9 9 9	377	60·6	45·8	53·2	+2·1	73	29	37	6	-	-	2·05	52	73	·52	23	12	9	0	0	0	2	0	0	0	5·60	100	35
Cheshire	Bidston Obs'y ..	9 9 9	198	59·2	46·9	53·1	+0·9	73	28,29	41	6	-	-	3·44	87	182	1·17	20	10	10	0	0	0	1	1	0	0	6·52	*105*	42
	Hoylake	9 9 9	23	61·4	45·8	53·6	+1·1	75	29	36	11	-	-	3·03	77	161	1·15	20	11	10	0	0	0	1	-	0	-	6·63	107	42
	Macclesfield ..	9 9 9	500	61·9	45·4	53·7	+2·2	77	29	35	6,11	-	-	2·08	53	88	·71	26	13	12	0	0	0	1	1	-	-	-	-	-
	West Kirby ..	9 9 9	25	60·7	45·9	53·3	+1·4	75	29	40	2,6,16	-	-	3·34	85	178	1·38	20	11	10	0	0	0	1	0	0	-	6·64	*107*	42
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	61·7	44·9	53·3	+0·4	73	28,29	35	1,6	-	-	2·52	64	-	·72	20	11	10	0	0	0	2	0	-	-	-	-	-
	Rhyl	9 9 9	31	60·9	45·9	53·4	+1·2	73	29	37	11,14	-	-	2·13	54	121	·73	20	11	9	0	0	0	1	0	0	0	6·61	101	42
	Sealand .. ¶§	18–7 7	16	61·3	44·5	52·9	+1·4	75	29	34	6	53·7	50·2	2·66	67	144	·56	20	12	11	0	0	0	1	1	1	0	5·86	*109*	37
Anglesey	Holyhead ¶§	18–7 7	26	57·0	47·9	52·5	+1·8	67	28	43	6	-	-	·75	19	38	·16	23	12	8	0	0	0	0	0	0	0	8·14	*125*	52
Denbigh	Colwyn Bay ..	9 9 9	118	60·0	46·3	53·1	+0·4	71	29	39	14	-	-	1·44	37	73	·46	20	13	9	0	0	0	1	0	-	-	6·95	*107*	44
Carnarvon	Aber	9 9 9	60	59·9	47·3	53·6	+2·1	78	29	40	6,14	-	-	1·49	38	-	·36	20	11	8	0	0	0	1	-	6	0	7·26	*123*	46
	Llandudno ..	9 9 9	13	59·6	47·2	53·4	+1·0	71	29	40	6,13,14	-	-	1·64	42	93	·41	11,20	11	8	0	0	0	1	0	0	0	6·78	105	43
Montgomery	Welshpool ..	9 9 9	254	62·6	42·8	52·7	+0·4	76	29	33	11	-	-	2·02	51	92	·51	11	9	7	0	0	0	1	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	59·6	48·1	53·9	+1·6	70	29	43	1,10,16	-	-	1·33	34	-	·34	23	14	10	0	0	0	1	1	-	-	6·82	114	45
	,, P.B.S.†	9 9 9	452	58·4	46·6	52·5	+1·6	70	28	41	1,6	-	-	1·54	39	-	·56	23	12	10	0	0	0	1	2	1	0	6·56	*113*	42
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	1·43	36	-	·47	23	14	10	0	0	0	1	2	-	0	7·07	-	46
Pembroke	Haverfordwest ..	2121 9	233	60·4	44·7	52·5	+1·0	69	28	34	1	-	-	2·08	53	-	·33	19	14	13	0	0	1	0	0	-	-	6·77	*104*	43
	St. Ann's Hd. ¶§	18–7 7	142	57·8	47·5	52·7	+1·8	69	28	41	5	-	-	1·13	29	59	·22	23	12	9	0	0	0	0	0	-	0	6·80	107	44
Radnor	Llandrindod Wells	9 9 9	772	61·8	42·3	52·1	-	73	29	36	1,6	-	-	·88	22	-	·26	22	8	7	0	0	0	1	0	-	0	5·61	-	36
	Rhayader ¶§	9 9 9	757	59·4	42·3	50·9	+1·2	70	29	34	1,6	-	-	1·66	42	57	·46	23	13	9	0	0	0	1	0	13	0	5·26	*97*	34
Brecknock	Cantref	9 9 9	1080	58·2	43·4	50·8	-	71	29	34	6	-	-	2·51	64	-	·57	22	14	10	0	0	0	1	0	-	-	6·30	-	41
Glamorgan	Cardiff	2121 9	203	62·6	46·9	54·7	+1·7	77	29	40	1,6	55·3	51·0	2·35	60	96	·36	21	13	11	0	0	0	1	0	0	0	6·68	*103*	43
	Swansea	9 9 9	32	61·2	49·5	55·3	+1·0	70	30	42	17	58·2	54·2	2·27	58	-	·45	11	14	11	0	0	0	1	0	0	-	6·43	*105*	42
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	62·8	46·6	54·7	+1·4	76	29	41	1,6,19	54·9	50·5	2·60	66	-	·37	22	12	10	-	-	-	-	1	-	-	6·71	-	44
	Usk	9 9 9	70	62·8	43·0	52·9	+1·2	75	29	33	1,6	58·4	-	2·28	58	-	·47	22	12	12	0	0	0	0	0	0	0	6·37	*126*	41
Somerset	Bath .. ¶§	9 9 9	67	64·0	46·8	55·4	+1·3	78	29	35	1	56·8	52·4	2·28	58	116	·42	25	13	10	0	0	0	3	0	-	0	6·38	*105*	41
	Cannington ..	9 9 9	95	62·7	46·3	54·5	-	76	29	36	6	-	-	1·75	44	-	·40	11	13	10	0	0	0	2	0	1	0	6·78	-	44
	Long Ashton ..	9 9 9	162	63·2	45·8	54·5	+1·7	78	29	38	1,6,19	-	-	2·56	65	121	·57	8	12	11	0	0	1	2	0	0	0	7·09	*115*	46

† Plant Breeding Station. ¶§ 8 *See* Notes on Tables on last page of this issue. ‖ On and after 18th April 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 MAY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
8b	ENGLAND, S.W.—*cont.*																													
Dorset	Holton Heath ..	9 9 9	64	61·7	45·5	53·6	+0·9	71	29	33	6	58·0	54·8	5·20	132	–	1·93	12	13	11	0	0	0	2	0	1	0	6·30	*95*	41
	Portland Bill ..	18–7 7	32	55·9	49·5	52·7	+0·8	63	18,19	45	1	–	–	2·94	75	208	·67	8	15	11	0	0	0	2	2	–	0	–	–	–
	Shaftesbury ..	9 9 9	722	61·0	46·2	53·6	+1·5	74	29	38	6	–	–	2·40	61	113	·57	25	11	11	0	0	0	2	–	–	–	–	–	–
Devon	Arlington ..	9 9 9	613	60·2	45·0	52·6	+0·7	71	29	37	1	–	–	1·84	47	65	·28	6	13	11	0	0	0	1	–	–	–	–	–	–
	Cullompton ¶§	9 9 9	202	64·0	45·0	54·5	+0·4	77	29	35	10	56·7	–	2·41	61	111	·43	8	14	13	0	0	0	6	0	4	–	6·65	105	43
	Ilfracombe ..	9 9 9	25	59·7	49·6	54·7	+1·4	73	29	44	1,17	57·6	54·4	1·78	45	90	·48	11	12	9	0	0	0	0	0	0	–	7·40	*116*	48
	Killerton ..	9 9 9	159	63·6	45·0	54·3	+0·9	74	29	35	1	–	–	2·52	64	–	·65	8	13	13	–	–	–	–	0	2	–	–	–	–
	Moretonhampstead	9 9 9	798	58·8	44·4	51·6	–	72	29	36	17	53·4	49·1	3·29	84	–	·70	8	13	13	0	0	1	2	0	7	0	6·66	–	43
	Newton Abbot ..	9 9 9	375	61·9	46·4	54·1	+1·4	72	29	39	10	–	–	2·98	76	155	·76	8	14	13	0	0	1	2	0	0	–	6·26	*112*	41
	Paignton ..	9 9 9	12	60·8	47·4	54·1	+0·2	68	25	38	10	–	–	2·73	69	–	·87	11	13	11	0	0	0	2	0	0	–	7·14	*108*	46
	Plymouth (Hoe)	2121 9	117	60·2	48·5	54·3	+0·8	69	18	40	10	56·7	53·5	2·70	69	129	·72	8	14	11	0	0	0	0	0	0	0	6·48	99	42
	Plymouth (Mount Batten) ..	18–7 7	82	59·5	48·7	54·1	+1·5	68	18,28	41	10	–	–	2·78	71	–	·76	8	14	9	0	0	0	1	1	0	0	6·39	*101*	42
	Princetown ..	9 9 9	1430	57·8	43·1	50·5	+1·0	71	29	36	10	–	–	4·54	115	106	1·20	22	15	14	0	0	0	0	7	0	–	–	–	–
	Sidmouth ..	9 9 9	25	60·1	47·9	54·0	+1·3	68	18	39	10	–	–	2·62	67	–	1·06	8	14	12	0	0	0	3	0	–	–	6·90	–	45
	Tavistock ..	9 9 9	457	60·5	45·7	53·1	+0·4	73	29	36	10	–	53·3	2·89	73	110	·62	22	14	13	0	0	1	1	0	5	0	–	–	–
	Teignmouth ..	9 9 9	20	61·2	49·3	55·3	+1·3	68	18	41	10	–	–	2·56	65	139	·82	8	13	8	0	0	0	1	0	–	–	6·85	104	45
	Torquay	9 9 9	27	60·8	48·2	54·5	+0·1	67	18,25,29	39	10	–	53·9	2·73	69	144	·88	11	13	11	0	0	0	3	0	0	0	7·29	106	47
Cornwall	Falmouth Obs. ¶§	9 9 9	167	60·1	48·7	54·4	+1·2	68	18	41	10	57·0	54·9	1·61	41	73	·45	11	12	8	0	0	0	0	0	0	–	5·97	90	39
	Fowey	9 9 9	51	60·8	47·9	54·3	+0·6	70	29	39	10	–	–	2·83	72	–	·85	8	14	10	0	0	0	0	–	–	–	6·00	*96*	39
	Gulval	9 9 9	20	60·5	48·3	54·4	+1·7	68	18	39	10	–	–	1·76	45	–	·65	11	9	6	0	0	0	0	–	0	–	5·89	*94*	39
	The Lizard ..	18–7 7	240	58·4	48·4	53·4	–	64	29	44	1,17	–	–	1·93	49	–	·51	11	13	12	0	0	0	0	3	–	0	–	–	–
	Newquay	9 9 9	190	58·3	47·8	53·1	+0·7	65	27,28	40	10	55·3	52·3	1·73	44	105	·70	11	12	8	0	0	2	0	1	–	0	6·11	92	40
	Redruth	9 9 9	397	58·2	46·6	52·4	+0·1	65	25	39	10	–	–	2·37	60	102	·73	11	14	10	0	0	0	0	1	1	0	–	–	–
9	IRELAND, N.																													
Sligo	Markree Cas. ¶§	2121 9	122	61·3	42·3	51·8	+0·9	68	2	31	11	54·4	49·8	1·66	42	59	·40	22	16	12	0	0	0	4	0	–	0	6·66	121	42
Mayo	Blacksod Pt. ¶	18–7 7	18	57·5	46·1	51·8	+0·2	66	28	41	4,5,18	–	–	1·70	43	60	·32	22	16	13	0	0	0	0	1	–	0	–	–	–
	Mallaranny §	9 9 9	113	59·5	46·0	52·7	+1·2	65	14,16	39	11	–	–	2·38	60	–	·57	22	17	14	–	–	–	–	0	–	–	6·90	*122*	43
Donegal	Malin Head ¶§	18–7 7	84	55·8	47·5	51·7	+2·5	66	28	42	20	–	–	2·17	55	110	·35	6	15	11	0	0	1	0	0	–	0	7·57	*119*	47
Antrim	Aldergrove ..	18–7 7	238	60·2	43·5	51·9	–	67	25	34	14	–	–	·95	24	42	·20	21	13	8	0	0	2	0	2	4	0	7·11	–	44
Down	†Donaghadee ..	8 8 8	30	57·6	45·5	51·5	+1·6	68	29	37	6	–	–	·88	22	39	·19	21	13	7	–	–	–	–	0	–	–	7·08	–	44
	Hillsborough ..	9 9 9	388	58·6	43·2	50·9	–	67	29	35	6	53·0	–	1·18	30	–	·21	9	14	9	0	0	0	0	0	3	0	7·36	–	46
Armagh	Armagh .. ‖ ¶§	2121 9	204	61·8	44·7	53·3	+2·2	68	25	36	14	54·8	50·7	1·08	27	45	·26	16	14	9	0	0	0	0	2	0	6·38	119	40
Longford	Newtownforbes ..	2121 9	154	60·7	43·5	52·1	+1·4	68	16	34	20	52·8	50·2	3·28	83	126	1·11	22	17	17	0	0	1	0	–	–	–	–	–	–
10	IRELAND, S.																													
Dublin	Dublin City .. ¶	2121 9	54	60·1	48·9	54·5	+1·6	68	29	42	5,14,20	–	–	1·80	46	88	·59	9	15	8	0	0	0	1	0	0	0	–	–	–
	,, Glasnevin ..	2121 9	55	61·0	44·0	52·5	+1·2	70	29	34	11,14	–	–	1·34	34	64	·51	9	14	6	0	0	0	1	1	0	0	–	–	–
	,, Phœnix Pk. §	2121 9	155	61·3	43·1	52·2	+1·7	69	29	33	14	–	–	1·16	29	56	·32	9	14	8	0	0	2	1	1	6	0	6·76	116	43
	,, Trin. Coll. ..	2121 9	13	60·7	47·4	54·1	+1·8	69	29	41	11,14,21	56·0	52·5	1·51	38	78	·58	9	13	8	0	0	0	1	–	0	0	–	–	–
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	61·3	42·0	51·7	–	67	16,29,30	31	10	54·5	51·7	1·20	30	–	·31	16	12	8	–	–	–	–	0	–	–	7·00	–	44
	Rathfarnham ..	9 9 9	169	60·5	45·7	53·1	–	67	25,26,29	35	11	52·0	–	1·64	42	–	·50	9	14	9	0	0	0	1	0	2	–	6·87	–	43
Wicklow	Newcastle ..	2121 9	256	60·3	44·4	52·3	+1·4	70	29	38	11	–	–	2·16	55	–	·94	9	10	10	0	0	0	0	0	–	–	–	–	–
Offaly	Birr Castle ¶§	18–7 7	173	61·9	43·5	52·7	+1·6	68	16	35	11,14,20	53·2	49·8	2·74	70	124	·67	9	17	12	0	0	0	0	1	7	0	6·87	126	44
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	60·9	44·7	52·8	+1·5	67	17	37	10	–	–	2·28	58	–	·54	22	15	9	0	0	0	1	0	6	0	7·01	*119*	45
	Waterford ¶	9 9 9	137	60·8	45·3	53·1	+0·7	67	17,18,28	37	10	–	–	1·71	43	75	·41	8	15	10	0	0	0	1	2	–	0	–	–	–
Limerick	Foynes	9 9 9	43	61·8	46·8	54·3	+1·8	66	14,15,17	38	20,21	–	–	1·85	47	79	·33	22	14	12	–	–	–	–	–	–	–	–	–	–
Kerry	Valentia Obs. ¶§	242424	30	58·9	46·9	52·9	+0·5	63	14,15,29	40	10	56·1	52·7	3·31	84	104	·72	9	18	15	0	0	2	1	0	0	0	7·14	120	46
		18–7 –	—	58·8	46·4	52·6	+0·8																							
Cork	Ballinacurra §	9 9 9	24	59·5	44·9	52·2	+0·4	65	15,17	35	10,20	–	–	2·11	54	89	·42	8	16	10	0	0	0	1	–	–	–	6·85	118	44
	Cork	9 9 9	57	61·5	45·1	53·3	+0·8	72	14	35	10	–	–	1·94	49	86	·48	8	13	9	0	0	0	0	0	0	–	6·90	–	44
	Roche's Pt. ¶	18–7 7	22	57·4	47·5	52·5	+0·8	64	30	40	10,20	–	–	2·01	51	82	·37	8	15	11	0	0	0	0	1	–	0	–	–	–
11	CHANNEL ISLES AND SCILLY																													
Scilly	St. Mary's ¶§	18–7 7	163	57·7	49·2	53·5	+1·2	63	29	44	10	–	–	2·16	55	130	·72	23	14	7	0	0	1	0	2	–	0	6·76	102	44
Guernsey	St. Peter Port ¶§	18–7 7	175	59·5	50·1	54·8	+2·0	74	29	46	1,10	57·1	53·3	4·04	103	238	·91	10	14	9	0	0	0	3	0	0	0	6·39	85	42
Jersey	St. Heliers ¶§	9 9 9	28	61·3	50·4	55·9	+0·8	77	29,30	44	1	–	–	2·26	57	125	·64	10	11	7	0	0	0	1	2	–	–	5·73	81	38
GIBRALTAR		18–7 7	393	66·8	57·8	62·3	-3·2	75	31	52	21	–	–	·44	11	–	·14	18	5	4	0	0	0	0	1	0	0	–	–	–
MALTA		18–7 7	231	71·2	60·4	65·8	+0·1	81	31	56	2,5	–	–	·23	6	59	·15	4	2	2	0	0	0	2	0	–	0	9·58	*100*	68

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	64·5	51·1	56·7
	,,	18	65·0	52·0	57·5

TABLE III (*b*)—SKY OBSERVATIONS, MAY, 1937

WEATHER DIARY, ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	1
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	31 nights	31 nights
Average exposure (hours)	5·54	5·43
Polaris unobscured (per cent.)	41	53
δ Ursæ Minoris (ditto)	38	45

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION, KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 25).. ..	843
Mean	250

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

‖ On and after April 18th observations were taken one hour earlier than the time shown.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist	Poor Vis.	Mod. Vis.	Good Visibility: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.	G.M.T.	ft	mb	mb	°F	°F	mb	%																														
	1	160	1016·4	-	45·7	0·9	9·8	93	8·4	0	2	2	14	13	0	2	*0*	0	0	1	3	9	16	*0*	0	5	6	18	2	3	3	2	4	6	6	4	1
	7	160	1015·9	+2·2	46·3	1·5	9·3	88	8·4	0	3	1	14	13	0	1	*0*	0	0	0	3	*8*	19	*0*	1	2	9	19	0	5	3	1	3	9	7	1	2
Shetlands Lerwick	13	160	1015·3	-	48·2	1·7	9·9	87	8·0	0	4	4	11	12	0	1	3	0	0	0	2	6	19	*0*	2	2	10	17	0	1	4	2	2	12	7	2	1
	18	160	1015·4	-	47·6	1·6	10·0	88	8·3	0	2	4	13	12	0	1	*0*	0	0	0	1	6	23	*0*	1	2	11	16	1	1	4	2	2	11	7	2	1
	9	165	1015·4	-	48·5	1·9	10·2	86	7·0	0	7	6	10	8	0	2	0	0	*1*	1	5	4	18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orkneys Deerness	21	165	1015·2	-	46·4	1·1	9·6	91	7·0	0	5	7	10	9	0	0	2	0	*0*	2	5	1	21	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	83	1013·9	-	47·0	1·4	9·8	89	5·9	2	8	5	6	10	*0*	0	0	0	0	0	2	21	8	0	0	1	8	22	0	1	2	3	5	8	5	2	5
	7	83	1013·9	0·0	49·0	2·0	10·1	85	7·7	1	0	9	5	16	*0*	0	0	0	1	0	4	7	18	1	1	4	8	17	1	1	2	3	9	8	4	1	2
Hebrides Stornoway ..	13	83	1013·6	-	53·4	3·9	10·2	74	6·7	1	5	6	10	9	*0*	0	0	0	0	0	1	4	22	4	0	6	11	14	0	1	3	2	6	12	5	1	1
	18	83	1013·1	-	52·4	3·8	9·8	74	6·6	2	2	10	10	7	*0*	0	0	0	0	0	1	7	18	5	0	6	14	11	0	2	7	2	4	5	6	3	2
	1	79	1015·1	-	45·9	0·7	9·9	95	7·2	0	5	5	12	9	0	0	1	*0*	1	*2*	*4*	*5*	*18*	*0*	0	0	5	25	1	2	1	0	10	6	5	2	4
	7	79	1015·0	+0·9	46·9	1·1	10·0	91	7·8	0	4	4	13	10	1	3	0	*0*	1	*0*	3	*6*	*17*	*0*	0	0	3	28	0	1	2	2	8	7	4	2	5
Caithness Wick	13	79	1014·8	-	50·4	2·1	10·4	85	7·8	0	2	6	13	10	0	0	1	*0*	1	*1*	*5*	*6*	*17*	*0*	0	1	6	24	0	1	1	6	9	9	2	1	2
	18	79	1014·4	-	49·2	1·7	10·4	87	7·7	0	3	4	17	7	0	1	0	*0*	1	*0*	*4*	*7*	*18*	*0*	0	2	7	22	0	1	2	4	11	8	2	1	2
	7	1180	972·6	-	45·8	2·6	8·4	80	7·6	3	2	3	8	15	0	0	0	1	0	3	2	18	7	*0*	0	1	7	21	2	2	5	1	0	11	9	1	0
Inverness Dalwhinnie†‖ ..	13	1180	972·0	-	55·2	6·6	8·6	59	7·1	0	7	3	7	14	0	0	0	0	0	1	2	9	19	*0*	0	0	3	12	15	1	1	4	0	1	11	10	2	1
	18	1180	971·7	-	53·4	5·9	8·4	61	7·0	0	7	2	13	9	0	0	0	0	0	0	2	10	19	*0*	0	0	13	18	0	1	3	0	4	10	8	4	1
Inverness Inverness	9	250	1015·0	-	51·7	1·9	11·5	87	4·8	0	9	16	5	1	*0*	*0*	*0*	*0*	*0*	*0*	3	*2*	*5*	*21*	0	0	5	23	3	1	*4*	2	5	3	9	2	2
	17	250	1013·5	-	55·6	1·9	13·5	87	4·7	0	9	19	3	0	*0*	*0*	*0*	*0*	*0*	*0*	0	*1*	3	*27*	0	0	7	24	0	3	11	1	4	4	5	3	0
1 SCOTLAND, E.																																						
	7	85	1015·8	+0·9	48·6	2·5	9·6	82	7·4	0	7	2	11	11	0	0	1	2	2	1	12	*4*	9	*0*	0	0	3	26	2	4	1	2	3	11	3	2	3
	13	85	1015·4	+0·4	52·4	4·0	9·9	75	6·6	0	7	6	8	10	0	0	0	1	0	2	13	*4*	11	*0*	0	1	8	22	0	4	2	6	10	6	1	1	1
Aberdeen Aberdeen H	18	85	1015·1	+0·3	51·2	3·5	9·7	77	6·7	0	8	4	14	5	0	0	2	0	0	2	13	7	7	*0*	0	0	7	23	1	4	2	2	9	10	0	2	1
	21	85	1015·6	+0·3	49·1	2·5	9·8	82	6·7	0	9	4	9	9	0	0	0	2	0	1	13	*12*	3	*0*	0	0	3	25	3	2	1	2	7	11	3	1	1
	h.*	85	1015·5	+0·5	49·5	2·8	9·7	81																														
Aberdeen Braemar‡	9	1108	1015·1	-	50·8	4·6	8·7	69	6·5	3	4	8	4	12	*0*	*0*	*0*	*0*	*0*	*0*	6	*21*	*4*	*0*	0	0	8	20	3	0	1	4	1	5	9	6	2
Perth Crieff	9	482	1014·6	-	51·1	3·3	9·8	77	7·6	0	6	2	10	13	-	-	-	-	-	-	-	-	-	-	0	0	3	28	0	1	3	9	0	4	5	8	1
	21	482	1014·5	-	48·7	2·4	9·8	83	7·9	0	5	2	8	16	-	-	-	-	-	-	-	-	-	-	0	0	2	29	0	3	3	8	0	5	5	7	0
	1	184	1016·0	-	48·0	1·0	10·5	92	6·3	1	5	8	8	9	0	2	0	0	*0*	0	4	6	*19*	*0*	0	1	5	25	0	3	6	5	3	2	10	1	1
Fife Inchkeith	7	184	1016·1	-	47·7	1·1	10·4	91	7·5	2	1	5	20	3	0	3	0	0	*2*	0	6	8	*12*	*0*	0	0	8	23	0	2	8	5	4	3	9	0	0
	13	184	1015·1	-	53·3	2·6	11·3	83	7·7	0	2	4	19	6	0	3	0	0	*0*	0	1	7	*20*	*0*	0	0	9	22	0	0	*12*	6	3	3	6	1	0
	18	184	1014·3	-	52·0	2·0	11·4	86	7·7	0	1	5	22	3	0	1	0	0	*0*	0	1	7	*22*	*0*	0	0	*12*	19	0	1	8	7	1	4	8	0	2
	7	36	1015·8	-	47·9	1·6	10·0	88	8·0	0	4	4	11	12	0	1	2	0	0	2	9	7	9	*1*	0	0	1	22	8	0	7	4	1	2	5	3	1
Fife Leuchars.. H	13	36	1015·2	-	55·1	4·6	10·6	72	7·0	0	7	7	8	9	0	0	0	0	0	3	6	8	*12*	*2*	0	0	6	24	1	0	3	*18*	2	1	3	3	0
	18	36	1014·9	-	53·2	3·9	10·3	75	7·6	0	2	8	13	8	0	0	0	1	1	0	5	6	*14*	*4*	0	1	5	24	1	1	4	*12*	3	2	4	4	0
Mid Lothian Edinburgh ..	9	441	1015·7	-	50·2	3·0	9·6	79	8·2	0	2	5	6	18	0	2	2	2	2	2	14	7	*0*	0	0	1	5	24	1	2	9	2	6	2	2	4	3
(Blackford Hill)	21	441	1015·5	-	49·8	2·8	9·8	80	6·6	2	7	4	5	13	0	2	0	1	4	4	12	3	5	0	0	0	5	21	5	2	3	6	1	7	3	4	0
6a SCOTLAND, W.																																						
	7	40	1013·8	-	49·2	2·2	10·0	83	6·3	2	6	7	9	7	0	1	0	0	0	0	3	9	*12*	6	0	1	15	12	3	3	2	1	5	10	3	1	3
Argyll Tiree	13	40	1014·0	-	54·7	4·3	10·7	73	4·8	1	12	6	11	1	0	0	0	0	0	0	2	9	*15*	5	0	1	15	15	0	5	1	0	7	8	5	3	2
	18	40	1013·6	-	52·3	3·3	10·3	77	5·6	2	10	1	15	3	0	0	0	0	0	0	6	4	*15*	6	0	0	10	21	0	5	0	1	8	5	4	4	4
	9	187	1014·4	-	52·0	3·2	10·4	78	6·5	1	5	4	13	8	0	0	0	*0*	*1*	*1*	12	*4*	*13*	*0*	0	1	14	16	0	2	0	*13*	4	6	1	2	3
Bute Rothesay	21	187	1014·0	-	49·8	2·4	10·2	83	5·5	1	9	7	11	3	0	0	0	*0*	*0*	*0*	8	*14*	*9*	*0*	0	3	6	17	5	2	0	7	3	6	1	2	5
	7	24	1015·3	-	48·6	1·9	10·2	86	7·5	1	3	3	16	8	0	0	0	0	1	8	10	4	4	4	0	1	2	22	6	0	4	8	4	1	2	5	1
Renfrew Renfrew	13	24	1014·5	-	58·8	6·6	10·5	61	7·4	0	5	2	17	7	0	0	0	0	0	1	4	9	6	*11*	0	1	9	21	0	1	3	5	1	5	9	5	2
(Abbotsinch)	18	24	1014·2	-	57·3	5·9	10·2	64	6·0	1	9	2	12	7	0	0	0	0	0	0	5	8	10	*8*	0	0	11	20	0	0	2	5	3	2	10	7	2
	7	778	1015·7	-	47·3	2·1	9·4	85	7·7	1	4	3	11	12	0	1	1	0	1	0	*10*	*14*	*4*	*0*	0	1	5	19	6	2	7	3	1	5	4	2	1
	13	778	1014·8	-	55·6	5·7	10·0	66	7·4	0	4	5	16	6	0	0	0	0	0	0	6	*12*	*13*	*0*	0	3	*17*	11	0	1	4	3	2	2	12	5	2
Dumfries Eskdalemuir‡‡ H	18	778	1014·8	-	53·8	4·4	10·3	73	7·4	0	4	6	12	9	0	0	0	0	0	2	7	9	*13*	*0*	0	0	10	21	0	0	4	3	2	7	12	2	1
	21	778	1015·9	-	47·1	1·9	9·4	85	6·5	0	*10*	2	10	9	0	0	1	1	1	1	8	9	*10*	*0*	0	0	2	24	5	6	3	1	1	5	6	1	3
	h.*	778	1015·4	-	49·6	3·0	9·6	80																														
6b ISLE OF MAN																																						
Isle of Man Douglas .. H	9	286	1015·7	+0·2	51·7	2·7	10·7	81	6·0	3	1	11	15	1	0	0	0	*1*	0	2	*17*	*3*	*8*	*0*	0	6	16	9	0	1	3	5	7	4	4	2	5
	7	31	1015·4	-	50·1	1·0	11·4	93	6·4	1	8	3	11	8	0	0	0	1	0	0	1	*10*	*19*	0	0	1	12	16	2	3	1	3	2	10	2	4	4
Isle of Man Point of Ayre ..	13	31	1015·5	-	55·9	2·7	12·7	83	5·3	3	12	1	9	6	0	0	0	0	1	0	2	9	*18*	1	0	1	14	15	1	3	0	3	0	9	3	3	9
	18	31	1014·8	-	55·3	3·3	11·6	79	5·0	4	8	8	8	3	0	0	0	0	0	0	2	2	*27*	0	0	3	9	19	0	1	2	4	1	5	7	4	7
2 ENGLAND, N.E.																																						
Northum-	9	331	1016·1	-	51·3	2·8	10·3	81	7·5	0	4	3	8	16	0	0	2	0	1	4	13	5	5	*1*	0	1	5	20	5	2	2	5	3	3	4	5	2
berland Cockle Park ..	21	331	1016·4	-	46·8	0·7	10·1	95	7·5	2	5	1	7	16	0	3	1	0	2	4	9	6	5	*1*	0	0	2	14	15	2	2	2	2	1	2	3	2
	1	122	1016·3	-	48·3	1·6	10·0	88	7·3	0	6	6	5	14	0	1	0	0	2	2	13	*13*	0	*0*	0	0	0	27	4	4	1	2	4	6	1	8	1
Northum-	7	122	1016·0	+0·9	48·6	2·1	9·9	85	7·8	0	5	5	7	14	0	1	1	1	3	2	13	7	3	*0*	0	0	6	25	0	6	2	3	1	7	4	7	1
berland Tynemouth ..	13	122	1015·6	-	51·1	2·7	10·3	81	7·5	0	3	9	9	10	0	0	2	1	1	1	11	*10*	5	*0*	0	0	5	26	0	5	4	2	12	1	0	5	2
	18	122	1015·4	-	51·2	2·6	10·4	81	7·5	0	3	8	11	9	0	1	0	2	0	2	10	*11*	5	*0*	0	0	3	28	0	5	2	3	10	3	1	6	1

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 973·9 mb.
‡‡ Mean pressures at Station Level are 987·1 mb. at 7 h., 986·6 mb. at 13 h., 986·5 mb. at 18 h., and 987·2 mb. at 21 h.
‖ Observations taken at 17h. instead of 18h.G.M.T. on Sundays during Summer Time.

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, 1937

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													
												NO. OF OBSERVATIONS*					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																	
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2	ENGLAND, N.E.—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Durham	Durham		9	352	1016·1	–	52·7	2·5	11·1	83	7·0	2	3	7	6	13	0	0	0	1	5	7	10	2	6	0	0	0	3	25	3	3	4	2	3	8	2	4	2
			21	352	1016·2	–	49·6	1·4	10·8	90	6·6	6	4	1	4	16	0	0	0	0	5	3	12	8	3	0	0	0	0	24	7	3	4	4	1	6	4	2	0
Yorks., N. Riding	Catterick ..	H	7	186	1016·2	–	48·4	1·5	10·5	90	7·8	1	4	5	3	18	0	1	0	3	1	6	11	5	4	0	0	0	4	22	5	4	3	1	4	7	0	4	3
			13	186	1015·5	–	57·9	5·5	11·2	69	7·5	0	5	5	10	11	0	0	0	0	0	2	9	10	6	4	0	1	5	23	2	3	4	0	4	8	3	5	2
			18	186	1015·4	–	55·6	4·2	11·3	75	7·2	1	3	4	18	5	0	0	0	0	1	3	10	8	5	4	0	0	8	20	3	2	7	0	4	2	5	6	2
Yorks., N. Riding	Scarborough ..		9	96	1015·9	–	52·8	3·0	10·9	79	6·5	0	12	1	8	10	0	2	0	1	2	6	7	7	6	0	0	0	2	29	0	1	3	1	8	2	5	4	7
			9	53	1016·6	–	53·0	3·4	10·6	77	7·6	1	6	2	5	17	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	8	1	2	3	7	2	7	1
	York		21	53	1016·6	–	52·3	3·0	10·5	79	6·1	3	9	1	4	14	–	–	–	–	–	–	–	–	–	–	0	0	0	29	2	5	1	5	5	6	2	5	0
			1	28	1016·3	–	48·6	1·0	10·7	93	7·8	3	1	5	3	19	0	2	1	2	1	1	10	14	0	0	0	1	12	16	2	3	3	4	6	6	1	4	2
Yorks., E. Riding	Spurn Head ..		7	28	1016·0	+0·9	49·1	1·3	10·7	91	8·2	0	4	3	5	19	0	2	1	2	2	1	14	8	1	0	0	0	13	18	0	1	8	2	5	5	2	3	5
			13	28	1016·2	–	53·8	3·0	11·4	80	8·2	1	3	1	10	16	0	0	0	2	1	3	9	14	2	0	0	1	12	16	2	3	3	7	9	0	1	3	3
			18	28	1015·7	–	51·4	2·2	10·7	85	8·1	0	4	3	12	12	0	2	0	1	3	1	8	14	2	0	1	0	12	18	0	0	3	5	6	9	3	1	3	4
Lincoln	†Cranwell ..	H	7	208	1016·5	–	48·9	1·1	11·1	93	7·8	0	6	2	5	18	0	3	2	0	1	1	18	5	0	1	0	0	4	26	1	4	3	2	7	3	2	6	3
			13	208	1016·2	–	58·4	5·1	10·8	71	7·4	0	3	7	12	9	0	0	0	0	1	1	9	9	7	4	0	0	9	22	0	3	5	3	5	2	6	5	2
			18	208	1015·7	–	57·3	4·3	12·1	75	6·6	1	7	4	13	6	0	0	0	0	2	1	8	8	9	3	0	1	8	22	0	3	3	8	4	4	2	5	2
3	ENGLAND, E.																																						
Norfolk	Cromer ..	H	9	74	1016·1	–	53·5	2·7	11·7	84	7·4	0	2	12	3	14	0	0	2	0	1	0	25	3	0	0	0	0	3	28	0	4	4	7	2	4	2	4	4
			1	26	1016·5	–	49·6	1·4	10·8	90	7·2	9	1	3	4	14	0	1	0	0	1	2	12	13	2	0	0	0	6	18	7	5	4	1	3	3	5	2	1
Norfolk	Yarmouth.. ..		7	26	1016·5	+1·3	51·3	2·1	10·8	85	7·6	1	3	5	8	14	0	0	1	3	1	5	15	6	0	0	0	0	6	21	4	6	4	0	4	4	4	2	3
			13	26	1016·6	–	54·0	3·2	11·2	79	7·8	0	4	4	12	11	0	0	3	0	1	4	14	9	0	0	0	0	13	17	1	11	3	3	9	0	2	2	0
			18	26	1016·2	–	53·3	3·0	10·9	79	7·6	1	4	6	5	15	0	0	1	0	0	4	18	8	0	0	0	0	6	22	3	7	5	3	7	2	2	2	0
			7	20	1016·8	–	51·9	2·3	11·1	84	7·5	1	5	5	6	14	0	0	0	0	1	1	19	9	1	0	0	0	5	22	4	5	7	1	2	4	3	3	2
Suffolk	Felixstowe Aero.		13	20	1016·8	–	56·8	4·5	11·5	72	7·3	0	6	5	10	10	0	0	0	0	1	2	12	8	7	1	0	0	6	25	0	3	5	8	5	3	1	6	0
			18	20	1016·4	–	55·4	3·6	11·3	77	6·9	1	7	4	7	12	0	0	0	0	1	2	14	4	8	2	0	0	7	23	1	2	8	7	2	3	1	6	1
			7	21	1016·4	–	51·1	1·7	11·5	89	8·0	2	3	2	7	17	0	0	0	1	7	3	8	4	8	0	0	0	9	20	2	3	4	4	4	3	3	4	4
Suffolk	Mildenhall ..		13	21	1016·1	–	60·8	6·7	11·6	65	7·7	0	5	3	10	13	0	0	0	0	0	3	5	4	19	0	0	1	14	15	1	4	3	3	4	4	3	6	3
			18	21	1015·7	–	59·0	2·4	11·8	70	6·9	1	7	2	11	10	0	0	0	0	0	2	8	5	16	0	0	0	8	22	1	2	3	5	4	4	3	5	4
Cambridge	Cambridge	H	9	43	1016·7	+0·9	56·1	3·7	12·1	78	6·5	1	7	6	4	13	–	–	–	–	–	–	–	–	–	–	0	0	5	26	0	2	6	4	2	2	7	3	5
			21	43	1017·0	+1·2	52·7	2·2	11·7	85	5·0	11	3	3	2	12	–	–	–	–	–	–	–	–	–	–	0	0	0	24	7	2	4	5	2	5	2	1	3
Hertford	Rothamsted ..		9	396	1016·2	–	53·8	3·0	11·4	80	6·8	1	6	5	12	7	0	0	0	0	0	7	24	0	0	0	0	0	2	27	2	6	4	2	4	3	3	5	2
Essex	Shoeburyness	H	7	12	1016·7	–	52·7	2·1	11·8	86	7·8	1	4	2	9	15	0	0	2	0	2	3	11	4	9	0	0	0	2	27	2	5	4	3	3	3	4	5	2
			13	12	1016·7	–	58·5	4·3	12·6	76	7·8	0	2	6	12	11	0	0	0	0	2	0	12	5	12	0	0	0	3	28	0	2	6	7	3	2	5	4	2
			18	12	1016·3	–	57·2	4·0	12·3	77	7·4	2	5	2	10	12	0	0	0	0	0	4	9	2	15	1	0	0	5	25	1	2	5	7	3	2	3	3	5
4	MIDLAND COUNTIES																																						
Yorks., W. Riding	Harrogate.. ..		9	478	1016·5	–	51·8	2·9	10·5	80	7·5	1	5	3	11	11	0	0	1	1	2	11	6	6	1	3	0	0	2	28	1	3	4	3	4	6	7	3	0
Nottingham	Nottingham ..		9	215	1015·8	–	53·8	3·7	10·8	75	7·9	1	1	8	6	15	0	0	1	2	8	1	14	5	0	0	0	0	3	28	0	1	6	4	2	3	3	12	0
Warwick	Birmingham	H	7	542	1016·5	–	49·2	1·8	10·5	87	7·1	4	3	2	7	15	0	2	0	1	6	6	6	6	4	0	0	0	0	29	2	1	5	3	3	5	3	4	5
			13	542	1016·1	–	57·4	5·9	10·6	67	7·1	1	5	5	10	10	0	0	0	0	3	6	3	4	15	0	0	0	3	28	0	2	4	4	2	6	5	6	2
			18	542	1015·4	–	58·1	6·1	10·8	66	6·1	1	8	6	11	5	0	0	0	0	2	3	8	2	16	0	0	0	4	26	1	2	4	5	2	6	5	2	4
Oxford	Oxford		9	212	1016·8	+0·5	54·3	3·7	10·8	76	7·1	1	7	3	5	15	0	0	0	0	1	3	11	5	11	0	0	0	7	24	0	3	7	4	2	4	2	6	3
Shropshire	Shrewsbury	H	9	186	1016·1	–	53·8	3·3	11·1	79	7·3	3	1	8	5	14	0	0	0	0	2	1	13	0	15	0	0	0	10	16	5	4	2	2	3	6	0	8	1
Hereford	Ross-on-Wye	H	7	226	1016·1	–	49·9	1·8	10·8	87	7·0	1	7	1	9	13	0	1	1	2	4	4	7	7	5	0	0	0	4	25	2	2	4	4	2	6	4	5	2
			13	226	1015·7	–	59·4	5·8	11·6	67	6·4	0	10	4	8	9	0	0	0	0	3	2	6	8	9	3	0	0	10	21	0	0	7	7	1	3	8	3	2
			18	226	1015·3	–	58·6	5·3	11·7	70	6·2	2	7	6	3	8	0	0	0	1	0	5	2	8	12	3	0	0	6	25	0	1	5	7	1	5	5	4	3
			21	226	1016·0	–	53·0	2·6	11·5	83	4·9	1	15	3	5	7	0	0	1	0	6	0	10	5	7	2	0	0	2	28	1	2	6	4	0	5	8	2	3
Gloucester	Cheltenham	H	9	230	1016·9	–	55·1	4·0	11·0	75	7·4	0	3	10	6	12	0	0	0	0	0	5	3	15	8	0	0	0	0	30	1	4	4	1	0	3	6	8	4
			21	230	1017·1	–	53·5	2·5	11·5	83	5·8	3	4	11	8	5	0	0	0	0	0	0	5	22	4	0	0	0	0	31	0	5	2	0	0	3	8	7	6
5	ENGLAND, S.E.																																						
			9	152	1016·7	+0·6	55·9	4·1	11·5	76	7·3	1	6	1	8	15	0	0	0	1	2	7	13	8	0	0	0	0	8	20	3	3	6	5	1	2	5	6	0
London	*g* Greenwich	H	15	152	1016·0	+0·6	61·8	6·4	12·4	67	7·7	0	6	2	10	13	0	0	0	1	3	2	13	7	5	0	0	0	7	21	3	3	4	5	1	3	5	6	1
			21	152	1016·6	+0·4	53·5	2·9	11·4	81	6·4	3	7	2	6	13	0	0	0	0	0	3	22	5	1	0	0	0	3	27	1	3	2	9	3	6	3	2	2
			h.*	152	1016·4	+0·5	55·0																																
			7	34	1016·6	+0·4	52·3	2·3	11·5	85	8·5	0	2	3	12	14	0	1	0	0	3	5	15	4	3	0	0	0	0	28	3	6	5	4	1	2	5	5	0
London	Kew Obs'y.	H	13	34	1016·4	+0·7	60·8	6·6	11·6	64	7·4	2	2	5	12	10	0	0	0	0	3	4	9	5	10	0	0	0	6	24	1	1	5	6	1	5	5	5	2
			18	34	1015·9	+0·6	61·0	6·7	11·6	64	7·3	2	3	5	13	8	0	0	0	1	1	4	9	3	13	0	0	0	4	27	0	2	4	6	1	6	6	3	3
			21	34	1016·5	+0·3	55·7	3·9	11·7	77	6·8	4	4	2	10	11	0	0	0	1	0	4	10	5	11	0	0	0	0	29	2	2	6	5	2	6	4	2	2
			h.*	34	1016·4	+0·5	55·8	4·1	11·7	76																														
			9	66	1016·0	–	55·7	3·9	11·3	75	6·7	2	5	7	3	14	0	0	0	1	4	11	10	1	2	2	0	0	0	31	0	1	10	3	3	1	6	5	2
London	Kensington ..		15	—	–	–	61·8	6·4	12·1	64	7·1	0	4	9	8	10	–	–	–	–	–	–	–	–	–	–	0	0	1	30	0	0	8	3	4	2	4	4	6
			18	—	–	–	61·2	6·5	11·7	63	6·8	1	5	9	4	12	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	2	5	5	2	3	5	4	5
			1	225	1016·7	–	50·6	1·4	11·5	90	7·3	2	4	3	10	12	0	0	0	3	2	4	7	10	5	0	0	0	2	26	3	2	3	6	3	2	3	2	3
Surrey	Croydon ..	H	7	225	1016·6	–	51·7	1·8	11·6	88	8·4	0	3	3	9	16	0	0	0	2	4	3	13	5	4	0	0	0	4	27	0	2	7	5	3	4	4	4	2
			13	225	1016·3	–	60·7	6·0	12·2	68	7·7	0	4	3	14	10	0	0	0	1	0	4	9	3	11	3	0	0	7	24	0	2	4	4	4	3	6	6	2
			18	225	1015·9	–	59·8	5·6	12·0	69	6·9	0	8	3	14	6	0	0	0	0	2	1	12	4	11	4	0	0	5	26	0	2	3	6	2	5	5	4	4
Surrey	Wisley		9	85	1016·5	–	56·1	4·0	11·5	75	7·3	1	6	4	4	16	0	0	0	1	1	5	11	13	0	0	0	0	0	29	2	1	8	4	1	3	3	5	4

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

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								
											NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		G.M.T.	ft	mb	mb	°F	°F	mb	%																										
5 ENGLAND, S.E.—*cont.*		7	572	1016·8	-	50·7	2·0	11·1	87	8·1	0	4	3	5	19	0	2	3	0	5	4	4	9	3	1	0	0	8	21	2	3	9	2	2	5	4	4	0
Kent	Biggin Hill H	13	572	1016·5	-	58·5	5·6	11·5	70	7·6	0	3	5	11	12	0	0	0	1	4	1	8	10	7	0	0	0	7	24	0	1	8	3	5	3	5	5	1
		18	572	1016·3	-	57·4	5·0	11·4	71	6·3	0	10	4	11	6	0	0	0	0	1	3	6	12	7	2	0	0	6	24	1	2	7	1	3	5	5	4	3
		7	—	-	-	52·0	1·4	11·9	90	6·6	4	3	4	11	9	0	1	2	1	1	3	11	12	0	0	0	1	8	20	2	3	7	5	1	3	4	4	2
Kent	Dungeness ..	13	—	-	-	56·6	3·2	12·5	80	7·0	1	3	7	13	7	0	0	0	0	2	4	14	11	0	0	0	1	11	17	2	1	4	6	4	4	7	3	0
		18	—	-	-	55·5	2·6	12·5	83	6·7	0	5	9	13	4	0	0	0	0	0	3	13	14	1	0	0	2	11	18	0	0	6	7	3	2	8	4	1
		1	345	1016·9	-	50·0	1·7	10·9	88	6·0	3	8	4	6	10	0	0	0	1	3	4	10	9	4	0	0	0	5	26	0	6	5	4	3	3	4	3	3
Kent	Lympne .. H	7	345	1016·8	-	51·4	1·9	11·4	88	7·8	0	5	2	10	14	0	0	2	0	5	6	4	8	6	0	0	0	7	21	3	9	4	2	3	2	4	3	1
		13	345	1016·9	-	58·3	4·7	12·2	74	7·1	0	8	4	8	11	0	0	0	0	1	4	10	5	9	2	0	0	9	22	0	4	4	4	8	3	4	3	1
		18	345	1016·6	-	56·5	4·1	11·9	76	6·5	1	8	4	11	7	0	0	0	0	1	3	9	5	10	3	0	0	8	23	0	6	5	5	3	3	7	2	0
		1	141	1016·2	-	50·7	1·7	11·3	88	5·4	6	8	1	5	11	0	1	0	0	2	5	6	11	6	0	0	0	4	25	2	2	7	3	3	4	6	3	1
Kent	Manston	7	141	1016·4	-	52·0	2·0	11·5	86	7·9	0	5	2	11	13	0	0	1	2	1	5	8	8	6	0	0	0	10	20	1	4	6	4	3	5	4	3	1
		13	141	1016·4	-	58·5	5·2	12·3	74	7·3	0	6	5	9	11	0	0	0	0	3	5	10	4	6	3	0	0	10	20	1	1	8	5	3	4	3	2	4
		18	141	1016·1	-	56·5	4·2	11·7	75	6·8	0	9	3	10	9	0	0	0	2	2	3	5	9	8	2	0	0	12	19	0	1	8	8	1	1	5	6	1
Kent	Tunbridge Wells ..	9	407	1016·9	-	55·5	3·2	11·9	79	7·2	0	8	4	5	14	0	0	0	0	2	4	9	9	7	0	0	7	1	23	0	1	10	1	4	4	3	6	2
Sussex	Brighton .. H	9	48	1016·9	-	55·4	3·7	11·5	77	7·4	1	3	6	9	12	0	0	0	0	0	4	14	4	9	0	0	0	3	27	1	1	6	3	2	6	4	6	2
		9	154	1016·2	-	54·8	3·2	11·9	81	7·1	1	6	5	5	14	0	0	0	0	0	8	14	7	2	0	0	0	1	27	3	0	10	0	8	3	3	0	4
Sussex	Hastings .. H	21	154	1016·1	-	53·5	2·4	11·9	85	5·6	6	8	1	3	13	0	0	0	0	0	9	16	4	2	0	0	0	0	25	6	0	11	0	4	0	7	0	3
		7	15	1016·4	-	52·0	1·6	11·7	89	7·5	1	4	3	15	8	0	0	1	0	3	3	12	9	3	0	0	0	9	21	1	6	5	4	1	3	3	4	4
Hampshire	Calshot	13	15	1016·6	-	58·9	4·2	12·8	76	6·2	1	8	5	9	8	0	0	0	1	1	0	10	9	10	0	0	2	7	22	0	2	2	6	8	5	5	1	2
		18	15	1016·0	-	56·9	3·4	12·4	79	6·7	2	5	3	15	6	0	0	0	0	1	2	9	9	10	0	0	1	12	16	2	2	1	5	5	3	8	3	2
		9	84	1017·0	+0·8	55·6	3·7	11·5	76	6·9	3	4	6	5	13	0	0	0	0	1	4	16	10	0	0	0	1	2	28	0	4	10	3	2	2	4	0	6
Hampshire	Southampton ..	21	84	1017·1	+0·9	55·1	3·1	11·8	80	5·0	7	4	8	6	6	0	0	0	0	0	4	19	8	0	0	0	1	1	27	2	1	4	2	6	2	6	2	8
		7	256	1016·5	-	51·2	1·6	11·5	89	7·8	0	2	8	7	14	0	0	0	1	2	6	10	8	4	0	0	0	5	26	0	4	5	5	3	3	2	8	1
Hampshire	S. Farnborough H	13	256	1016·1	-	61·9	6·8	12·0	64	7·2	1	3	5	16	6	0	0	0	0	1	4	10	6	7	3	0	0	8	19	4	2	4	4	5	2	4	5	1
		18	256	1015·8	-	60·0	5·9	11·8	67	6·1	1	6	7	11	6	0	0	0	0	0	3	6	10	11	1	0	0	3	27	1	3	2	6	2	6	4	6	1
I. of Wight	Ventnor (Hosp.)	9	80	1016·2	-	55·6	3·0	12·2	81	7·0	3	5	3	8	12	-	-	-	-	-	-	-	-	-	-	0	1	7	23	0	2	2	9	5	1	4	7	1
		15	80	1016·2	-	59·0	3·6	13·4	78	4·9	3	10	7	5	6	-	-	-	-	-	-	-	-	-	-	0	0	11	20	0	1	1	4	7	2	1	14	1
		7	420	1016·4	-	48·9	1·0	11·1	92	7·3	2	3	5	7	14	0	2	1	1	0	3	10	10	4	0	0	0	7	22	2	4	5	5	3	4	2	4	2
Wiltshire	Amesbury H (Boscombe Down)	13	420	1016·2	-	59·4	5·5	11·9	69	7·2	0	5	4	16	6	0	0	0	0	0	3	5	14	9	0	0	0	10	21	0	2	3	5	4	6	1	6	4
		18	420	1015·7	-	58·7	5·1	11·8	70	6·4	0	9	6	9	7	0	0	0	0	0	0	4	18	9	0	0	0	5	26	0	3	3	2	4	8	5	5	1
		9	444	1016·7	-	53·8	3·1	11·3	80	7·1	0	8	2	9	12	0	0	0	0	0	3	11	4	13	0	0	1	10	20	0	4	8	3	3	3	4	5	1
Wiltshire	Larkhill .. H	13	444	1016·0	-	59·3	6·1	11·2	66	7·1	1	3	6	15	6	0	0	0	0	0	2	6	7	16	0	0	0	10	21	0	3	3	4	4	6	1	8	2
		15	444	1015·8	-	60·0	6·2	11·5	66	7·0	0	4	10	9	8	0	0	0	0	0	0	6	10	15	0	0	0	13	18	0	3	5	3	3	6	4	5	2
7a ENGLAND, N.W.																																				
Lancashire	Hutton	9	86	1016·6	-	55·4	3·3	11·8	79	5·2	4	5	8	14	0	-	-	-	-	-	-	-	-	-	-	0	1	0	16	14	1	4	1	2	2	5	1	1
		7	83	1016·2	-	49·4	1·3	11·0	90	7·7	1	4	4	7	15	0	3	2	4	2	8	9	2	1	0	0	0	3	22	6	1	3	3	5	5	1	6	1
Lancashire	Manchester H (Barton)	13	83	1015·8	-	58·8	5·6	11·4	68	7·8	0	1	8	12	10	0	0	0	0	2	5	10	8	6	0	0	0	12	19	0	2	4	1	2	7	5	9	1
		18	83	1015·4	-	57·6	5·0	11·5	71	7·3	0	3	8	13	7	0	0	0	1	1	5	9	7	8	0	0	0	9	22	0	1	5	3	2	4	4	6	6
		9	127	1015·9	-	54·0	3·8	10·7	75	5·7	5	5	5	7	9	-	-	-	-	-	-	-	-	-	-	0	0	0	29	2	0	4	2	5	7	5	4	2
Lancashire	Manchester (Whitworth Pk.)	21	127	1015·9	-	53·6	3·2	11·0	78	5·7	4	9	1	6	11	-	-	-	-	-	-	-	-	-	-	0	0	0	30	1	0	5	6	2	6	3	4	4
		9	37	1016·1	+0·1	55·4	4·0	11·3	75	6·8	1	5	6	9	10	0	0	0	0	2	11	7	4	7	0	0	1	12	17	1	2	1	4	7	6	1	4	5
Lancashire	Southport* H (Bedford Rd. Park)	15	37	1015·6	-	58·0	5·4	11·2	68	5·9	0	14	1	5	11	0	0	0	0	0	7	10	5	7	2	0	1	14	15	1	0	1	2	2	3	2	7	13
		21	37	1015·9	-0·1	52·2	2·5	11·1	83	5·9	1	10	2	11	7	0	0	0	0	0	11	3	7	9	1	0	0	8	21	2	2	4	3	5	5	3	3	4
		9	381	1016·3	-	53·6	3·6	10·7	76	6·6	6	2	1	14	8	0	0	0	0	0	5	18	5	3	0	0	1	14	16	0	1	7	6	0	5	5	4	3
Lancashire	Stonyhurst ..	21	381	1016·4	-	51·2	2·4	10·6	83	6·5	2	8	1	8	12	0	0	0	0	1	0	16	11	3	0	0	0	2	27	2	3	8	1	1	3	5	6	2
Cheshire	Bidston Obs'y. ..	9	202	1016·3	-	53·8	3·8	10·6	75	7·3	0	1	11	10	9	0	0	0	1	5	8	7	7	3	0	0	1	10	19	1	1	1	5	6	5	0	4	8
7b NORTH WALES.																																				
		7	19	1015·9	-	49·8	2·1	10·5	85	6·5	3	5	4	11	8	0	1	0	0	3	8	12	4	3	0	0	0	4	25	2	2	0	5	11	1	2	7	1
Flint	Sealand .. H	13	19	1015·7	-	58·3	5·6	11·2	68	7·3	0	4	7	11	9	0	0	0	0	0	3	11	6	11	0	0	0	9	22	0	2	3	3	8	1	1	10	3
		18	19	1015·4	-	56·9	4·9	11·2	71	6·6	1	8	1	12	9	0	0	0	0	1	3	11	7	9	0	0	0	10	19	2	2	1	2	4	2	2	9	7
		1	29	1015·2	-	49·9	1·5	11·0	90	4·3	9	6	6	3	7	0	0	0	0	2	0	5	7	17	0	0	1	9	20	1	5	3	2	2	8	6	1	3
Anglesey	Holyhead .. H	7	29	1015·2	-0·2	50·9	1·8	11·1	88	5·2	4	10	3	7	7	0	0	0	0	0	2	7	9	13	0	0	1	13	16	1	1	3	3	2	9	5	2	5
		13	29	1015·4	-	54·9	3·4	11·5	78	6·0	1	10	3	11	6	0	0	0	0	0	0	6	6	13	6	0	0	15	16	0	4	4	1	1	5	8	2	6
		18	29	1014·9	+	53·4	2·8	11·3	80	5·0	1	13	5	9	3	0	0	0	0	0	0	6	6	10	9	0	0	14	16	1	5	2	3	1	7	8	1	3
Carnarvon	Llandudno ..	9	33	1016·0	-	55·0	3·5	11·4	77	5·6	6	4	5	13	3	0	0	0	0	0	1	4	8	16	2	0	0	1	30	0	8	5	1	3	3	4	7	0
8a SOUTH WALES.																																				
Cardigan	Ciliau Aeron ..	9	256	1015·9	-	55·8	3·9	11·4	75	6·6	2	4	7	12	6	0	0	1	1	0	14	15	0	0	0	0	0	13	18	0	0	8	4	3	2	9	4	1
		1	152	1015·1	-	50·2	1·5	11·0	89	5·7	2	8	6	9	6	0	2	0	0	0	1	2	22	4	0	0	1	7	23	0	3	7	2	23	5	3	4	4
Pembroke	St. Ann's Head ..	7	152	1014·8	-0·5	50·7	1·5	11·3	89	5·9	1	9	4	15	2	0	0	0	0	0	2	11	11	7	0	0	2	6	23	0	2	5	4	5	3	6	3	3
		13	152	1015·0	-	55·4	3·1	12·0	80	6·3	0	5	11	13	2	0	0	0	0	0	2	10	11	6	2	0	0	8	23	0	3	2	0	3	6	6	4	7
		18	152	1014·5	-	53·9	3·2	11·2	79	6·4	3	4	6	15	3	0	0	0	1	0	1	4	15	9	1	0	0	11	20	0	4	6	0	2	4	5	7	3

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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 MAY, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	TEMPERATURE AND HUMIDITY: Vapour Pressure	TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog 0	Fog 1	Fog 2	Fog 3	Mist	Poor Vis.	Mod. Vis.	Good Visibility 7	Good Visibility 8	Good Visibility 9	WIND, Number of Observations: Force (0-12) 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Radnor Llandrindod Wells	9	725	1015·8	-	55·0	4·1	10·9	74	6·7	0	4	9	12	6	0	0	0	0	0	0	14	8	9	0	0	0	9	22	0	0	0	4	8	8	2	4	5
Rhayader	9	—	-	-	52·8	3·1	10·8	79	7·2	2	1	7	10	11	0	0	0	0	2	1	8	4	16	0	0	0	0	31	0	0	3	5	5	4	3	5	6
Glamorgan Cardiff	9	203	1016·7	-	54·0	3·1	11·3	79	6·9	1	5	9	1	15	0	0	0	0	2	5	16	3	5	0	0	1	3	27	0	1	8	5	5	1	4	7	0
	21	203	1016·6	-	52·4	2·3	11·3	84	4·9	11	3	4	3	10	0	0	0	0	0	1	18	0	12	0	0	0	1	30	0	0	5	1	7	0	5	11	2
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1016·2	-	55·6	4·0	11·2	75	6·8	0	8	6	2	15	0	0	0	0	1	6	12	7	5	0	0	0	7	24	0	2	7	6	2	3	4	7	0
Dorset Holton Heath H	9	58	1016·6	-	55·6	3·5	11·9	78	7·0	1	7	3	5	15	0	0	0	0	3	5	12	7	4	0	0	4	5	17	5	2	6	3	4	3	4	2	2
	15	58	1016·4	-	59·5	5·6	11·8	68	5·6	1	12	4	5	9	0	0	0	0	1	5	15	7	4	0	0	1	10	19	1	3	3	2	5	4	6	5	2
	1	37	1015·9	-	51·3	1·2	11·8	91	5·5	8	3	6	4	10	0	0	2	0	0	0	0	19	10	0	0	0	7	24	0	2	6	9	2	1	3	4	4
Dorset Portland Bill ..	7	37	1015·7	+0·4	51·8	1·3	11·9	91	6·8	5	1	4	9	12	0	0	1	0	0	1	3	15	11	0	0	0	11	20	0	3	8	5	1	3	2	4	5
	13	37	1016·2	-	55·1	1·8	13·0	88	6·1	4	2	8	9	8	0	0	0	1	0	0	2	19	9	0	0	0	8	23	0	0	3	5	5	5	8	3	2
	18	37	1016·0	-	53·8	1·3	12·9	91	6·3	3	2	9	9	8	0	0	0	1	0	0	1	16	13	0	0	0	10	21	0	1	2	7	5	1	7	4	4
Devon Moretonhampstead	9	801	1016·0	-	52·0	2·3	11·2	84	7·7	0	4	5	11	11	0	0	0	0	1	2	5	10	12	1	0	0	5	21	5	3	2	4	7	4	6	1	5
	15	801	1015·6	-	56·3	4·2	11·5	74	7·0	0	7	1	16	7	0	0	0	0	1	0	4	5	20	2	0	0	6	24	1	1	2	3	7	4	6	1	6
Devon Plymouth H	7	27	1015·7	-	51·5	1·4	11·8	90	7·4	1	5	4	7	14	0	0	1	0	0	3	10	5	11	1	0	0	2	24	5	6	4	6	1	5	1	2	1
(Mount Batten) ..	13	27	1016·0	-	57·1	3·9	12·1	77	7·5	0	5	2	17	7	0	0	0	0	0	0	7	9	12	3	0	1	7	23	0	2	2	3	3	4	8	5	2
	18	27	1015·8	-	55·8	3·3	12·0	79	6·3	2	5	3	17	4	0	0	0	0	0	0	9	5	13	4	0	0	11	20	0	3	2	3	3	3	8	5	4
	1	240	1015·9	-	49·7	0·6	11·6	95	4·9	7	7	5	5	7	0	0	0	0	1	0	1	17	12	0	0	0	9	21	1	5	4	2	3	3	4	6	2
Cornwall The Lizard ..	7	240	1015·4	-	51·6	0·9	12·2	93	7·8	0	2	7	9	13	0	0	1	2	0	0	1	6	8	13	0	0	1	8	19	3	6	5	2	1	6	2	4
	13	240	1016·0	-	56·4	2·6	13·0	84	7·1	0	2	10	12	7	0	0	1	1	0	0	3	12	14	0	0	0	14	17	0	1	4	4	3	5	7	3	4
	18	240	1015·7	-	54·5	2·4	12·2	84	7·5	1	3	7	9	11	0	0	0	1	1	0	2	10	17	0	0	0	12	18	1	3	5	3	1	6	5	3	4
Cornwall Newquay ..	9	161	1015·8	-	54·7	2·5	12·2	75	7·2	1	5	4	8	13	0	0	1	0	2	0	10	8	7	3	0	0	3	28	0	6	5	2	5	3	5	2	3
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1014·5	-	52·7	2·8	11·1	81	6·0	4	3	12	3	9	0	0	0	0	0	0	3	10	18	0	0	0	1	27	3	4	0	1	6	8	3	2	4
	21	127	1013·9	-	52·7	3·1	10·8	79	6·0	3	4	8	11	5	0	0	0	0	0	0	0	5	26	0	0	0	1	23	7	1	1	2	3	4	7	2	4
	1	28	1013·2	-	50·7	2·2	10·7	84	5·9	5	2	11	5	8	0	0	0	0	0	0	0	9	21	1	0	2	10	13	6	0	4	1	4	9	1	6	0
Mayo Blacksod Point ..	7	28	1013·1	-	51·6	2·8	10·5	80	7·0	2	2	9	11	7	0	0	0	1	0	0	0	11	16	3	0	2	14	13	2	3	2	5	6	5	2	5	1
	13	28	1013·3	-	55·7	4·4	11·1	72	6·5	0	5	8	13	5	0	0	0	1	0	0	0	6	17	7	0	4	12	15	0	0	3	2	5	8	3	8	2
	18	28	1013·0	-	54·3	4·0	10·5	74	6·5	1	5	8	13	4	0	0	0	0	0	0	1	7	15	8	0	2	16	13	0	4	2	2	2	8	3	7	3
	1	87	1014·1	-	48·8	1·3	10·7	91	4·4	6	3	17	5	0	0	0	0	1	0	0	0	4	22	4	0	0	4	25	2	1	1	3	3	11	5	4	1
Donegal Malin Head ..	7	87	1013·8	-0·1	50·3	1·7	10·7	87	6·6	1	6	3	21	0	0	0	0	0	0	1	3	21	6	0	0	0	6	25	0	4	0	4	5	11	2	4	1
	13	87	1014·1	-	53·6	2·8	11·6	81	5·9	0	8	7	16	0	0	0	1	0	0	0	6	15	9	0	0	0	11	20	0	3	6	5	1	5	4	5	2
	18	87	1013·6	-	52·7	2·2	11·5	85	5·2	2	10	5	14	0	0	0	0	0	0	0	5	19	7	0	0	0	8	23	0	4	4	7	3	2	3	4	4
	7	245	1014·9	-	48·3	1·5	10·3	89	7·2	2	4	3	13	9	0	0	2	0	0	0	2	7	8	10	2	0	0	6	19	6	3	1	3	2	8	3	3	2
Antrim Aldergrove H	13	245	1014·6	-	57·7	6·0	10·5	65	6·8	0	5	8	16	2	0	0	0	0	0	0	2	9	7	13	0	0	11	20	0	3	2	3	1	6	7	5	4
	18	245	1014·0	-	56·9	5·5	10·5	67	5·6	0	10	6	11	4	0	0	0	0	0	0	3	11	8	9	0	0	7	24	0	4	1	4	5	7	5	4	1
Armagh Armagh .. H	9	209	1014·5	-0·4	52·4	2·7	11·0	82	6·7	1	6	6	10	8	0	0	0	0	0	0	3	7	21	0	0	0	4	25	2	2	4	2	2	9	7	1	2
	21	209	1013·9	-1·0	51·9	2·4	11·1	83	5·2	1	12	5	8	5	0	0	0	0	0	0	4	7	20	0	0	0	2	28	1	2	5	2	3	9	4	4	1
10 IRELAND, S.																																					
Dublin Glasnevin	9	56	1015·8	-	54·6	4·3	10·5	72	6·4	2	0	15	8	6	0	0	0	1	5	4	8	2	11	0	0	0	3	28	0	0	7	5	4	2	4	6	3
	21	56	1015·2	-	52·8	3·3	10·7	77	6·1	4	0	15	6	6	0	0	0	1	2	4	4	5	15	0	0	0	1	29	1	0	4	4	5	3	3	8	3
Offlay Birr Castle ..	7	193	1014·4	-0·9	47·6	0·8	10·5	94	6·1	8	3	1	10	9	0	0	0	1	0	0	0	12	18	0	0	0	0	30	1	2	2	1	6	11	2	4	2
	13	193	1014·2	-	58·7	6·2	10·4	62	7·7	0	0	9	16	6	0	0	0	0	0	0	0	3	28	0	0	0	0	31	0	0	3	0	4	8	5	7	4
	18	193	1013·6	-	58·2	6·1	10·3	63	7·9	0	1	5	20	5	0	0	0	0	0	0	0	4	27	0	0	0	0	31	0	0	3	0	4	9	1	11	4
Waterford Seskin, Carrick-on-Suir	9	521	1015·2	-	53·3	2·8	11·1	81	5·6	7	4	6	4	10	0	0	0	0	0	0	2	11	6	12	0	1	11	19	0	2	0	0	4	9	1	11	4
	21	521																																			
Kerry Valentia H	7	45	1014·2	-0·9	52·2	2·7	10·8	82	5·3	5	5	7	11	3	0	0	0	0	0	0	1	5	22	3	0	2	9	14	6	2	3	2	6	6	4	1	1
	13	45	1014·5	-1·0	57·2	4·5	11·6	72	6·4	0	7	8	10	6	0	0	0	0	0	0	1	3	22	5	0	2	20	9	0	1	2	1	2	7	6	8	4
Observatory	18	45	1014·2	-1·1	55·8	4·0	11·3	76	7·2	0	7	1	17	6	0	0	0	0	0	0	2	3	20	6	0	1	16	14	0	4	1	2	1	6	8	6	3
	21	45	1014·7	-1·1	52·5	2·7	11·0	82	6·9	0	8	4	9	10	0	0	0	0	0	1	2	4	20	4	0	0	12	14	5	2	1	2	3	9	4	2	3
	h.*	45	1014·4	-0·9	53·4	3·2	10·9	79																													
Cork Roche's Point ..	7	24	1015·0	-0·5	50·3	1·3	11·2	91	5·2	7	4	7	8	5	0	1	0	0	0	1	1	4	22	2	0	0	6	25	0	11	2	1	2	4	7	3	1
	13	24	1015·1	-	55·7	3·3	12·1	79	6·4	0	5	12	9	5	0	0	0	0	1	1	3	1	15	10	0	0	8	23	0	0	1	2	7	7	9	4	1
	18	24	1014·5	-	55·0	2·6	12·3	83	6·3	1	5	9	11	5	0	0	0	2	0	1	2	3	17	6	0	0	7	24	0	0	1	2	6	6	7	7	2
11 CHANNEL I. & SCILLY																																					
	1	199	1015·7	-	50·8	0·9	11·8	93	6·0	5	5	5	5	11	0	0	2	0	0	0	10	8	11	0	0	0	10	21	0	2	5	3	2	7	4	5	3
Scilly St. Mary's..	7	199	1015·5	+0·3	51·7	1·0	12·1	93	6·9	3	2	6	10	10	0	1	1	0	0	0	7	11	11	0	0	0	9	20	2	3	6	2	4	4	4	3	3
	13	199	1016·0	-	56·3	2·8	12·7	82	7·0	2	4	4	13	8	0	0	0	1	0	0	7	10	13	0	0	1	17	13	0	6	4	2	4	4	5	4	2
	18	199	1015·7	-	54·6	2·1	12·5	86	6·8	3	3	6	10	9	0	1	0	0	0	1	10	8	10	1	0	0	14	17	0	5	2	3	2	5	5	5	4
	1	186	1016·6	-	51·6	1·1	12·2	93	6·8	4	3	6	3	15	0	0	0	0	2	0	10	9	7	3	0	0	2	28	1	0	4	5	1	5	2	8	5
Guernsey St. Peter Port H	7	186	1016·4	-	53·4	1·8	12·3	88	7·3	1	4	7	9	10	0	0	0	0	0	1	13	12	2	3	0	0	6	20	5	1	4	3	2	6	1	5	4
	13	186	1016·6	-	57·5	3·6	12·7	79	7·4	0	6	5	7	13	0	0	0	0	0	1	11	3	12	4	0	0	6	23	2	2	5	7	3	1	2	6	3
	18	186	1016·4	-	55·7	2·9	12·4	82	7·3	1	4	6	11	9	0	0	0	1	2	0	5	12	4	7	0	0	6	23	2	3	4	4	4	1	0	6	7
	7	400	1017·9	+1·6	59·5	3·6	13·8	79	3·7	3	16	4	6	2	0	0	0	0	0	0	1	6	12	12	0	0	9	20	2	1	4	9	2	0	0	4	9
GIBRALTAR .. .. H	13	400	1018·2	-	64·3	5·6	14·4	71	3·6	2	18	3	7	1	0	0	0	0	0	0	0	5	6	20	0	1	15	15	0	0	1	14	3	0	3	7	3
	18	400	1017·3	-	63·7	5·7	14·1	70	4·0	4	13	5	9	0	0	0	0	0	0	0	0	5	8	18	0	1	8	21	1	0	2	12	1	0	2	10	3
	21	400	1018·4	-	61·0	4·5	13·7	75	2·6	12	11	2	6	0	0	0	0	0	0	0	1	1	14	15	0	1	7	21	2	2	6	5	1	1	0	9	5
	7	234	1016·1	+0·9	64·9	4·2	16·3	78	3·7	4	16	1	10	0	0	0	0	0	0	0	2	9	19	1	0	1	8	22	0	5	6	6	4	3	1	0	6
MALTA .. .. H	13	234	1016·3	-	68·8	7·1	16·0	68	3·9	4	13	5	6	3	0	0	0	0	0	0	2	7	19	3	0	2	8	21	0	6	8	4	5	2	1	1	5
	18	234	1016·1	-	65·0	4·2	16·3	78	4·1	3	13	4	10	1	0	0	0	0	0	0	3	7	20	1	0	3	9	18	1	7	4	2	5	1	1	5	5

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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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; 26 YORK STREET, MANCHESTER 1; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

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JUNE, 1937.—Mainly dry except in the north-west and extreme north; frequent thunderstorms in England.

The month was dry on the whole in England and Wales, Ireland and eastern Scotland and wet in western and northern Scotland. Sunshine was somewhat variable but deficient generally, the deficiency being marked in Ireland. Thunderstorms occurred frequently in England between the 10th and 22nd.

In the rear of a depression over Norway a wedge of high pressure passed eastward over the British Isles on the 1st and 2nd. A depression approached south-west Iceland on the 3rd and remained almost stationary until the 8th, while associated secondary depressions moved north-east over this country; rain occurred at times in Scotland, Ireland and north and west England but there was little rainfall over a large part of England until the 7th or 8th. Thunderstorms were reported in Ireland on the 8th. Between the 9th and 11th a belt of high pressure moved northward over the British Isles, while a depression over the Bay of Biscay moved north-west and widespread thunderstorms were experienced in England on the 10th and 11th. The high pressure was centred near the Shetland Islands by the 12th and subsequently it moved away eastward. Meanwhile a shallow depression situated off south-west England on the morning of the 13th moved north-east across England and reached Denmark on the 15th; thunderstorms were again reported in England on the 12th and 13th and heavy rain fell in north-east England and south-east Scotland on the 14th. Thereafter pressure was high to the west and low to the east of the British Isles and for a period mainly northerly winds prevailed with showers or occasional rain and local thunderstorms, but considerable sunshine at times. Subsequently, about the 24th, the anticyclone westward of Ireland spread east while a deep depression became centred near the Faeroes; little rainfall was registered between the 24th and 26th but gales occurred in the extreme north on the 25th and 26th. Finally between the 27th and 30th a depression moved from southern Greenland to southern Scandinavia and on the 30th another depression approached the Hebrides; rainfall was only slight in the south during this period but was heavier in northern districts. In the north of Scotland, heavy rain was recorded in some places on the 27th and 28th and gales occurred locally in Scotland on the 27th and 28th.

Pressure and Wind.—Mean pressure was slightly below the average in northern Scotland and somewhat exceeded the average in Ireland and most of England. The deviation at 7 h. ranged from − 2·6 mb. at Lerwick to + 3·1 mb. at Valentia; the pressure gradient was thus appreciably increased.

Local gales occurred on several occasions in Scotland, mainly on the 1st, 2nd, 10th and from the 25th–28th, the north coasts being the area chiefly affected. Gales were reported on six days at Lerwick and Kirkwall and on two days at Stornoway, Braemar and Inchkeith. Among the highest speeds registered in gusts were 69 m.p.h. at Lerwick on the 1st, 58 m.p.h. at Bell Rock Lighthouse and 57 m.p.h. at Tiree on the 28th, 57 m.p.h. at Stornoway on the 26th and 55 m.p.h. at Kirkwall on the 25th.

Temperature.—Mean temperature slightly exceeded the average on the whole, the deviation from the average ranging from 0·0°F. in Ireland, N. to + 1·3°F. in Scotland, E. A warm spell occurred in parts of England, particularly in the east and south-east, from the 5th–7th and temperatures were high over a wider area between the 10th and 12th. It was rather warm on the 21st and in some districts between the 25th and 27th. At a large number of places in eastern Scotland the 25th was the warmest day of the month, maxima above 75°F. being recorded locally. Cool spells occurred from the 1st–3rd and 16th–20th and low minima were registered at some stations on the 30th.

The extremes for the month were:—(England and Wales) 85°F. at Camden Square and Regent's Park (London) on the 11th, 35°F. at Castleton and Askham Bryan on the 3rd and at Welshpool on the 17th; (Scotland) 78°F. at Balmoral, Logie Coldstone and Montrose on the 25th, 28°F. at Dalwhinnie on the 24th; (Ireland) 73°F. at Markree Castle on the 12th and at Newcastle (Co. Wicklow) and Waterford on the 27th and 36°F. at Markree Castle on the 10th and 24th.

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 71, Scotland 103 and Ireland 78.

In England and Wales more than the average occurred locally in the north-west, in an area in the south-east covering Essex, and parts of Hertfordshire and Kent, and at a few other isolated places; on the other hand less than 50 per cent. was received in many parts including a large area in the Midlands and smaller areas in the south and south-west. In Ireland more than the average was confined to a few stations in Counties Mayo, Antrim and Down, while less than 50 per cent. occurred at a number of stations in the south. In Scotland, broadly speaking, more than the average was registered in western and northern districts and in an area, mostly coastal, extending from Montrose to North Berwick. On the other hand there were considerable areas in central and eastern Scotland which received less than the average.

Among heavy falls in 24 hours were:—

3rd	2·26 in. at Blaenau Festiniog (Merioneth). 1·71 in. at Stonyhurst and 1·67 in. at Mallaranny.
4th	1·81 in. at Stornoway.
13th	2·06 in. at Ilkley, 1·57 in. at Doncaster and 1·56 in. at Troutbeck (Cumberland).
14th	2·47 in. at Driffield, Yorkshire (2·00 in. of which fell in 2½ hours).
27th	2·76 in. at Kinlochquoich (Inverness-shire) and 2·10 in. at Glenshiel (Ross and Cromarty).
28th	2·10 in. at Kinlochquoich.

Thunderstorms occurred on a number of days; in England and Wales, they occurred frequently between the 10th and 22nd and were severe locally at times, especially between the 10th and 13th and at Torquay on the 22nd.

Sunshine.—Sunshine was deficient on the whole, the percentage of the average for districts 1–10 being 87. The deficiency was most marked in Ireland; at Phœnix Park, Dublin, the total was 69 hours below the June average and at Birr Castle, it was the dullest June in a record back to 1881. At Tiree (Argyll) normally a very sunny place in June, the total was only 163 hours or 62 hours below the average. On the other hand, sunshine totals exceeded the average locally; for example, in the Clyde area, at some stations in the eastern districts of Great Britain (including south-east England) and in the Channel Islands.

Fog.—Local fog occurred at times, chiefly between the 4th–6th, 10th–14th and on the 21st. It was thick locally on the south-west coasts on the 4th and 6th.

Miscellaneous Phenomena.—The thunderstorms experienced in many parts of south-east England on the 10th were associated with a line squall; some interesting forms of lightning were observed (see *Meteorological Magazine*, July, 1937, pp. 138–42). A period of intense gloom occurred at Rotherham during the afternoon and evening of the 24th. Solar halos were noted at Oxford on 12 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, 24*th July*, 1937.

TABLE I—DISTRICT VALUES— JUNE, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	71	28	+0·4	-	-	139	+3	92	27
Eastern									
1 SCOTLAND, E.	78	31	+1·3	-	-	87	+2	93	32
2 ENGLAND, N.E.	80	35	+0·8	+1·1	+0·7	76	+2	89	32
3 ENGLAND, E.	81	38	+0·5	+1·0	+0·8	79	-1	96	40
4 MIDLAND COUNTIES ..	80	35	+0·4	+0·3	+1·0	45	-3	88	33
5 ENGLAND, S.E.	85	36	+0·8	+2·0	+1·5	80	-1	102	44
Western									
6 SCOTLAND, W. (*and I. of Man*)	73	32	+0·3	-0·1	+0·1	111	+3	89	34
7 ENGLAND, N.W. (*and N. Wales*)	77	35	+0·1	+0·9	+1·0	88	+1	80	31
8 ENGLAND, S.W. (*and S. Wales*)	79	37	+0·4	+1·2	+1·0	50	-3	85	37
9 IRELAND, N. ..	73	36	0·0	+0·7	+0·8	86	+2	69	22
10 IRELAND, S. ..	73	40	+0·1	+0·1	+0·1	67	+2	74	26
11 CHANNEL I. (*and Scilly*)	76	49	+0·9	+2·1	+1·0	50	-3	116	57
Mean, DISTRICTS 1—10	85	31	+0·5	+0·8	+0·8	77	0	87	33

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JUNE, 1937 [1914]

DISTRICT AND STATION	Height			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				
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	1,10,25-27	23	17	160	266	253	18	0	330	46	21	1 16	69	31	1	16	40
Orkney Kirkwall	170	40	35	-	0	6	53	374	263	30	0	260	33	15	25 16	55	25	25	11	55
Hebrides Stornoway	—	40	36	10,26	3	11	109	322	250	35	1	250	40	18	26 16	57	25	26	15	35
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	-	0	0	0	179	418	123	0	320	22	10	29 13	46	20	28	15	35
Angus Bell Rock Lighthouse	130	—	126	28	6	10	72	344	250	48	0	240	43	19	28 21	58	26	28	16	00
Edinburgh Edinburgh	485	39	23	-	0	3	15	323	323	59	0	240	35	16	28 21	53	24	28	20	30
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	-	0	4	34	305	342	39	0	260	38	17	28 17	57	25	28	16	00
Renfrew Paisley	188	81	31	-	0	0	0	71	474	175	0	310	20	9	29 15	43	19	28	18	50
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	2	8	185	416	111	0	260	28	13	28 16	51	23	28	18	15
Dumfries Eskdalemuir ..	825	50	35	-	0	2	14	266	346	94	0	230	34	15	28 14	54	24	28	03	15
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	-	0	7	30	318	268	104	0	290	31	14	28 23	49	22	28	23	15
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	-	0	0	0	213	413	94	0	280	24	11	29 08	41	18	29	07	40
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	79	418	223	0	230	24	11	28 15	41	18	28	14	30
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	7	35	231	392	62	0	320	28	13	18 07	43	19	18	06	35
Lincoln Cranwell	284	43	33	-	0	0	0	85	427	208	0	240	18	8	28 16	41	18	17	14	50
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	1	4	97	510	109	0	320	26	12	15 15	42	19	15	13	30
Suffolk Felixstowe Aero. ..	60	45	35	-	0	0	0	71	494	155	0	330	21	9	15 17	46	21	10	20	45
Suffolk Mildenhall	64	45	20	-	0	0	0	76	502	142	0	220	17	8	30 15	39	17	30	14	50
Bedford Cardington ..	285	150	135	-	0	2	2	117	449	152	0	230	25	11	28 17	36	16	29	13	00
Essex Shoeburyness ..	115	104	89	-	0	0	0	163	465	92	0	40	23	10	10 15	43	19	10	19	50
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	-	0	0	0	113	561	46	0	330	20	9	29 16	33	15	29	18	15
5 ENGLAND, S.E.												{50 250 210	14	6	{10 14 28 16 30 13}	38	17	14	20	30
London South Kensington ..	137	110	30	-	0	0	0	9	595	106	0	70	19	8	10 16	48	21	10	19	20
Surrey Kew Observatory ..	92	75	50	-	0	0	0	50	479	191	0	220	21	9	30 14	37	17	10	19	05
Surrey Croydon	313	105	70	-	0	0	0	133	410	177	0	-	26	12	10 10	38	17	30	15	30
Kent Dover	66	66	60	-	0	2	4	161	463	92	0	20	24	11	10 16	42	19	10	19	10
Kent Lympne	418	76	48	-	0	0	0	93	511	116	0	220	21	9	30 14	48	21	10	18	40
Hampshire Calshot	58	50	42	-	0	0	0	160	469	91	0	280	18	8	29 14	36	16	10	19	15
Wiltshire Boscombe Down ..	462	45	33	-	0	0	0	68	524	128	0	60	22	10	10 16	45	20	10	19	20
Wiltshire Larkhill	491	51	36	-	0	0	0	135	541	44	0	310	31	14	28 24	46	21	28	15	10
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	7	47	247	310	116	0	300	25	11	29 14	43	19	29	13	35
Lancashire Manchester (Barton)	153	83	80	-	0	2	3	210	372	135	0	280	31	14	29 02	44	20	29	02	25
Lancashire Southport	60	42	33	-	0	5	34	295	324	67	0	300	27	12	1 16	45	20	29	00	05
Cheshire Bidston Obs'y. ..	262	64	39	-	0	3	11	248	360	101	0									
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	-	0	3	11	288	347	74	0	300	27	12	29 05	43	19	3	18	05
Flint Sealand	81	65	42	-	0	1	4	211	378	127	0	300	27	12	29 13	42	19	29	16	55
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	-	0	0	0	63	483	174	0	270	18	8	30 16	36	16	30	13	10
Devon Plymouth	185	88	65	-	0	0	0	120	475	119	6	-	19	9	3 15	30	13	29	13	30
Cornwall The Lizard	315	75	60	-	0	0	0	231	403	86	0	270	23	10	28 22	37	17	28	15	10
Cornwall Pendennis Castle ..	256	65	42	-	0	4	10	303	345	57	5	-	28	13	3 23	39	17	29	10	45
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30	-	0	1	(11)	(118)	(342)	(90)	(159)	-	36	16	28 14	(54)	(24)	28	(17 | 05)
Antrim Aldergrove	282	40	20	-	0	1	(1)	(122)	(442)	(127)	28	250	25	11	28 17	46	21	28	17	15
10 IRELAND, S.																				
Dublin Kingstown(Cup Anr.)	49	27	27	-	0	5	17	251	353	99	0	360	31	14	28 15	-	-	-	-	-
Clare Quilty	100	40	32	-	0	3	24	279	352	57	8	-	27	12	3 10	36	16	28	22	50
Kerry Valentia Observatory	98	41	33	-	0	1	2	291	342	85	0	190	25	11	7 17	41	18	7	14	25
Cork Cork	132	71	40	-	0	0	0	104	444	115	57	-	19	9	7 13	35	16	30	12	30
11 SCILLY ISLES																				
St. Mary's	230	65	57	-	0	3	21	398	259	42	0	20	30	13	6 20	42	19	10	19	40

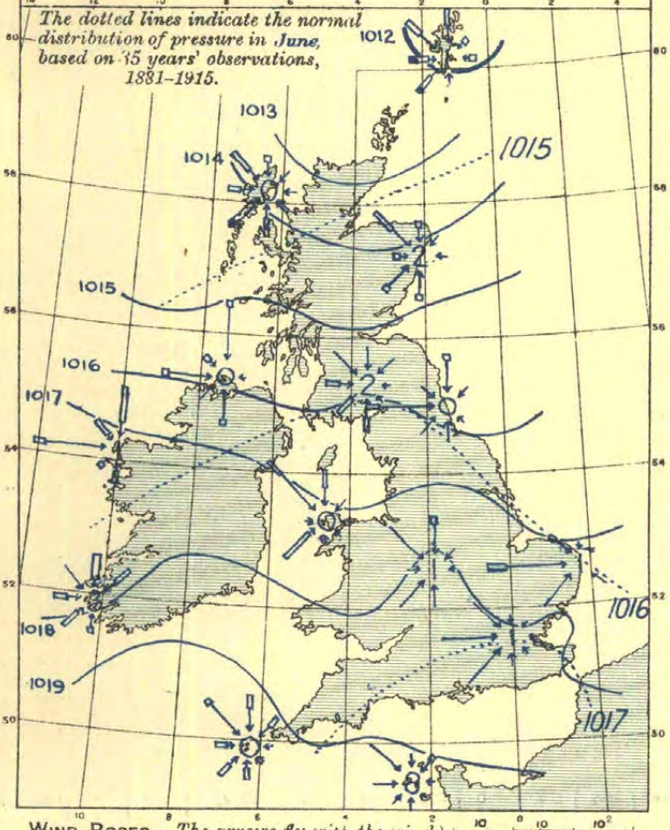
‡‡ Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

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

MONTHLY WEATHER CHARTS, JUNE, 1937.

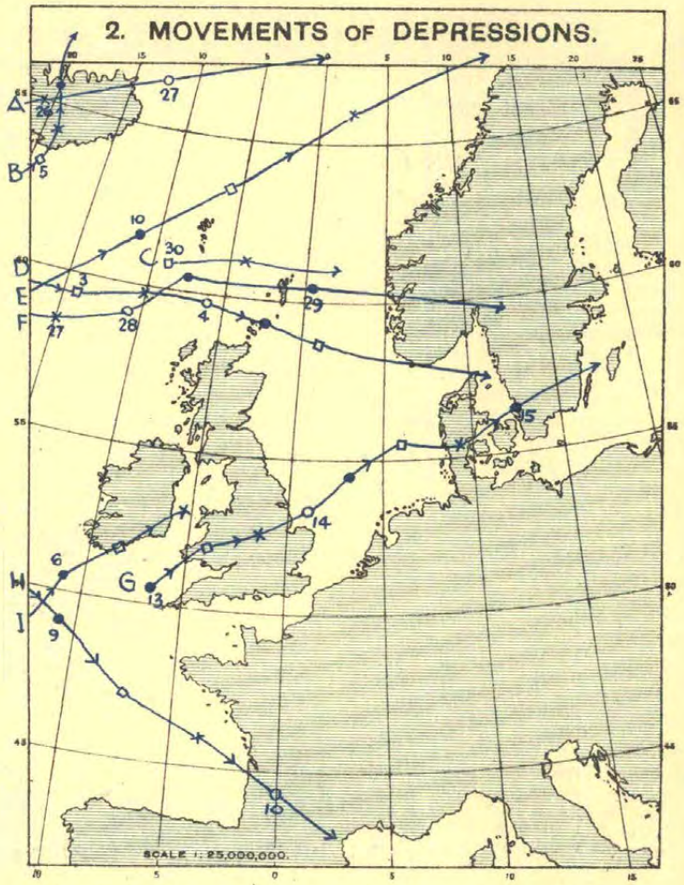
1. WIND AND MEAN PRESSURE. 7 A.M. *

The dotted lines indicate the normal distribution of pressure in June, based on 15 years' observations, 1881–1915.



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

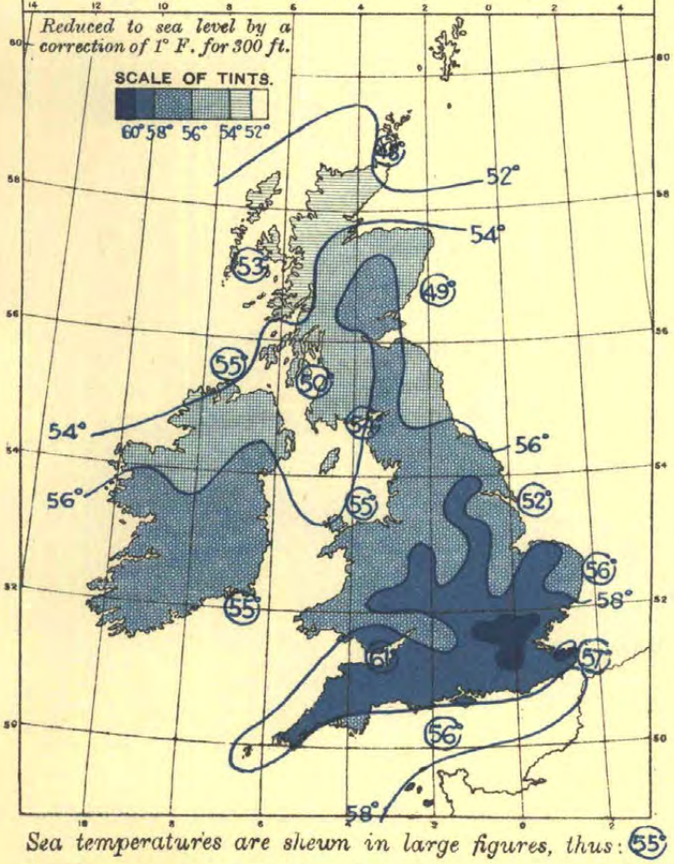
2. MOVEMENTS OF DEPRESSIONS.



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

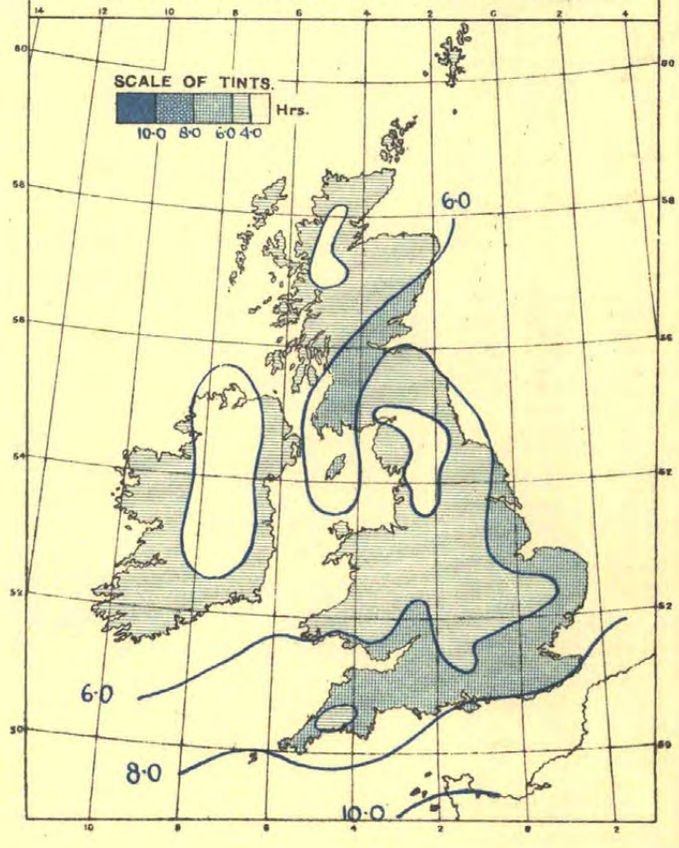
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



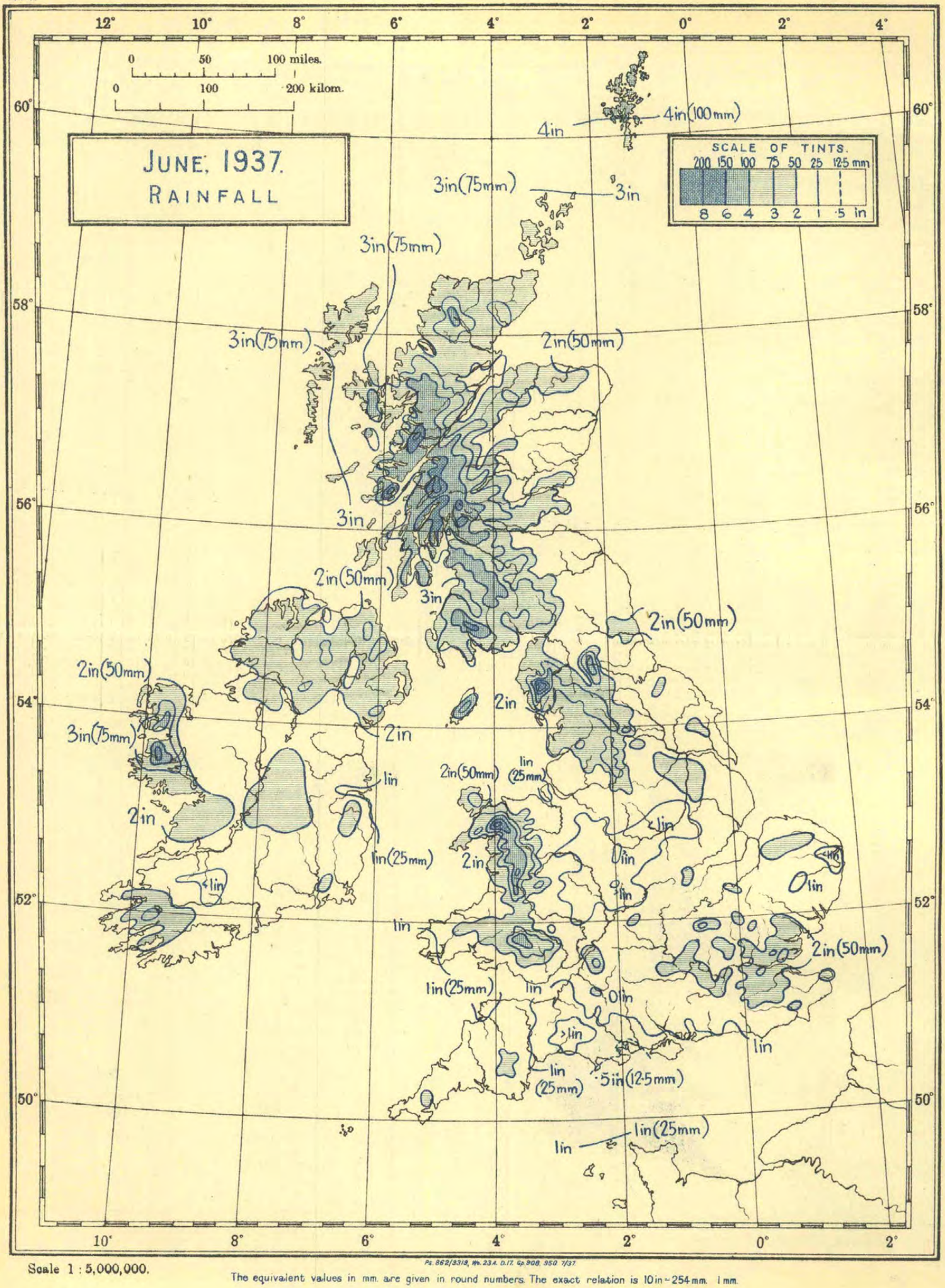
Sea temperatures are shewn in large figures, thus: (55)

4. BRIGHT SUNSHINE, HOURS PER DAY.



H.M. Stationery Office Press, Kingsway, W.C. 2.

*The pressure is expressed in millibars.



Ps. 862/3319, m. 234. D.17. Gp.908. 950 7/37.

Scale 1 : 5,000,000.

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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage	
				A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft				Amount	Date	0·2 mm or more	1 mm or more								of Average	of Possible
		Max. Min. Rain																										
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
0 SCOTLAND, N.																												
Shetland	Baltasound ..	9 9 9	31	55·2	46·0	50·6	+0·8	60	7	37	2,3	52·0	–	4·58	116	233	·90	6	27	17	0	0	1	0	0	–	0	4·82	94	26
	Lerwick .. ¶§	18–7 7	156	53·3	46·0	49·7	+0·8	58	20	36	2	–	–	4·29	109	259	·69	6	21	17	0	0	0	0	1	–	6	4·64	84	25
Orkney	Deerness	2121 9	160	55·9	46·4	51·1	+0·8	63	26	39	2,3	–	–	2·70	69	146	·40	22	22	14	1	0	0	0	0	–	–	4·82	92	26
	Kirkwall .. ¶§	9 9 9	113	56·7	46·9	51·8	+0·6	63	5,8	36	3	54·0	–	2·46	63	128	·47	22	21	13	0	0	0	0	0	1	6	4·82	92	26
Hebrides	Skallary	101010	30	58·2	49·4	53·8	–	64	21	38	2	–	–	2·00	51	–	·44	27	17	9	0	0	0	0	–	–	–	–	–	–
	Stornoway(C.G.)¶§	18–7 7	80	57·8	47·7	52·7	+0·8	64	12	36	2	–	–	3·43	87	156	1·81	4	20	12	0	0	0	0	0	–	2	5·12	92	28
	Stornoway ..	– – 9	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Skye	Duntulm ..	9 9 9	294	56·3	47·4	51·9	–	64	13	38	2	–	–	2·99	76	–	·60	4	19	13	0	0	0	0	0	1	1	5·02	–	28
Caithness	Wick	18–7 7	81	56·7	46·7	51·7	+1·6	68	25,26	30	3	–	–	2·77	70	153	·67	5	18	11	0	0	0	0	1	–	0	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	60·0	45·2	52·6	-1·1	71	12	36	2	–	–	4·10	104	99	·98	27	17	15	0	0	0	0	0	–	–	–	–	–
	Fortrose	9 9 9	69	62·6	49·0	55·8	+1·8	70	25	39	2	–	–	1·81	46	–	·75	13	15	10	0	0	0	0	0	–	0	5·34	87	30
Inverness	Dalwhinnie † ..	18–7 7	1176	59·2	43·8	51·5	–	69	21	28	24	–	–	1·69	43	–	·42	6	12	11	0	0	0	0	0	6	0	4·58	–	26
	Ft. Augustus ¶	9 9 9	68	61·7	46·2	53·9	+0·2	71	13	37	2,24	–	–	1·47	37	72	·28	5	14	10	0	0	0	0	–	–	–	3·97	85	22S
	Ft. William ..	9 9 9	34	60·3	47·9	54·1	-1·0	66	12	35	2	56·0	52·2	4·90	125	141	1·32	27	16	14	0	0	0	0	1	0	0	4·45	–	25S
	Inverness ¶§	9 9 9	242	60·3	47·1	53·7	-0·4	71	13	37	2	–	–	1·52	39	80	·71	13	12	9	0	0	0	1	0	0	0	5·95	107	33
1 SCOTLAND, E.																												
Nairn	Nairn .. ¶§	9 9 9	20	61·4	48·7	55·1	+1·3	71	25	40	2	–	–	1·83	47	104	·44	13	17	14	0	0	0	1	0	–	0	5·40	95	30
Moray	Forres	9 9 9	155	62·7	47·6	55·1	–	72	5,13	40	2,3,21	–	–	2·78	71	–	·95	13	15	11	0	0	0	1	0	–	1	5·37	–	30
	Gordon Castle ..	2121 9	104	61·6	47·9	54·7	+0·6	72	25	39	2,3	–	–	2·26	57	110	·55	13	16	10	0	0	0	0	–	–	–	4·47	77	25S
Banff	Banff	9 9 9	130	59·5	48·7	54·1	+1·1	71	5,26	38	3	–	–	1·36	35	77	·42	22	17	9	0	0	0	0	0	0	0	4·60	77	26
Aberdeen	Aberdeen ¶§	242424	79	60·8	48·7	54·7	+1·8	74	25	39	2,3	55·1	51·1	1·26	32	74	·35	6	15	8	0	0	0	0	0	0	0	6·25	104	35
		18–7 –	—	60·7	48·6	54·7	+1·5																						
	Balmoral	9 9 9	927	60·9	44·1	52·5	+0·8	78	25	34	3,24	–	–	·73	19	43	·10	14	15	7	0	0	0	0	–	2	0	–	–	–
	Braemar	2121 9	1111	60·7	44·1	52·4	+0·9	74	25	34	24	–	–	1·11	28	56	·22	6	13	11	0	0	0	0	0	2	2	5·42	–	31S
	Craibstone	9 9 9	300	61·0	46·7	53·9	+1·5	75	26	35	3	53·8	49·7	1·21	31	67	·27	19	14	9	0	0	0	0	–	0	–	6·29	98	36
	Logie Coldstone ..	9 9 9	608	62·5	43·3	52·9	-0·2	78	25	31	17	–	–	1·07	27	54	·30	7	14	9	0	0	0	0	–	–	–	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	62·5	46·7	54·6	–	75	26	39	2	–	–	1·50	38	–	·38	19	12	8	0	0	0	0	0	–	–	6·88	–	39
Angus	Arbroath	2121 9	93	61·9	46·7	54·3	+0·8	76	25	38	21	–	–	2·24	57	136	·91	14	11	8	0	0	0	0	0	1	0	6·89	100	39
	Carnoustie ..	9 9 9	39	62·2	47·3	54·7	+1·2	75	25	38	2	–	–	2·20	56	122	·79	14	16	10	0	0	0	0	–	–	0	6·48	97	37
	Dundee .. ¶§	9 9 9	147	63·5	48·7	56·1	+1·6	77	25	38	2	58·8	–	2·49	63	147	·69	19	14	10	0	0	0	0	–	0	1	5·83	92	33
	Kettins	9 9 9	218	64·4	46·9	55·7	+1·4	76	25	37	19	58·7	–	1·49	38	71	·40	19	12	9	0	0	1	0	0	0	1	–	–	–
	Montrose	9 9 9	16	62·4	47·5	54·9	+2·0	78	25	39	10	–	–	1·79	45	–	·48	14	12	9	0	0	0	0	0	–	0	6·58	101	37
Perth	Crieff	2121 9	478	63·1	46·6	54·9	+0·4	73	25	37	2	–	–	2·00	51	76	·28	6	15	11	0	0	0	0	–	–	0	–	–	–
	Perth	9 9 9	76	65·8	47·2	56·5	+0·6	74	25	36	19	–	–	1·54	39	78	·34	6	13	13	0	0	0	0	–	–	–	6·33	95	36
Fife	Cupar	9 9 9	210	63·9	48·0	55·9	+1·4	73	25	39	2	–	–	2·29	58	–	·49	14	14	13	0	0	1	0	–	–	–	–	–	–
	Dunfermline ..	9 9 9	237	63·0	47·4	55·2	–	68	6	39	2	58·9	53·9	2·25	57	–	·40	1	16	11	0	0	1	2	0	1	0	5·01	–	29
	Inchkeith ..	18–7 7	190	61·0	48·5	54·7	+0·6	69	9	41	2	–	–	1·19	30	75	·45	6	15	11	0	0	0	0	1	0	2	6·08	86	35
	Kirkcaldy ..	9 9 9	137	63·6	47·7	55·7	+0·2	72	22	39	19	–	–	1·15	29	–	·71	15	7	5	0	0	0	0	–	–	–	–	–	–
	Leuchars	18–7 7	36	62·9	47·2	55·1	+1·2	73	25	39	2,19,30	–	–	1·93	49	116	·81	14	13	11	0	0	0	0	0	2	0	6·78	100	39
	St. Andrews ..	9 9 9	13	62·4	48·4	55·4	+1·1	73	25	40	2,19	54·3	56·1	2·39	61	135	1·46	14	13	9	0	0	0	0	0	0	–	6·23	94	36
Mid Lothian	Edinburgh—																												
	Blackford H. ¶§	2121 9	441	62·6	48·6	55·6	+1·4	70	21	38	2	–	–	1·00	25	50	·26	6	16	9	0	0	0	1	1	0	1	6·05	94	35S
	Boghall	9 9 9	639	61·5	46·8	54·1	+0·6	69	21	37	2	56·2	51·8	1·77	30	–	·31	6	14	12	0	0	0	1	0	–	–	5·62	87	32
	Liberton	9 9 9	190	64·3	48·7	56·5	–	73	21	39	2	–	–	·88	22	–	·22	6	12	7	0	0	0	1	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	63·7	48·7	56·2	–	72	21	38	2	58·4	53·4	·94	24	–	·22	6	16	8	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	61·9	49·0	55·5	–	70	10,25	42	2	–	–	1·68	43	–	·66	14	15	9	0	0	0	0	0	0	0	6·45	–	37
	N. Berwick ..	9 9 9	118	61·4	47·0	54·2	-0·4	69	21,26	40	2,3	–	–	1·95	49	124	·51	14	16	13	0	0	0	1	0	0	0	5·97	88	34
Berwick	Marchmont ‖ ¶§	2121 9	498	62·1	46·5	54·3	+0·6	71	25	40	30	–	–	1·45	37	62	·43	11	17	10	0	0	0	0	–	–	0	4·99	79	29S
	St. Abb's Head	18–7 7	280	60·1	47·9	54·0	–	71	10	37	1	–	–	1·68	43	–	·44	11	15	10	0	0	0	0	1	–	0	–	–	–
Peebles	Peebles	9 9 9	629	61·7	46·3	54·0	–	69	10	33	2	–	–	1·14	29	–	·25	4	11	8	0	0	0	0	0	2	0	4·69	–	27
	West Linton ..	9 9 9	820	61·3	44·5	52·9	+0·7	68	21	34	2	57·2	51·8	2·22	56	–	·52	6	16	11	0	0	0	1	1	3	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	62·8	47·8	55·3	+0·4	72	25	38	2	–	–	1·60	41	75	·26	11	16	12	0	0	0	1	0	–	0	–	–	–
	Wolfelee	9 9 9	537	61·5	46·2	53·9	+0·2	70	10	36	2	–	–	1·24	31	53	·18	6	17	13	0	0	0	4	0	–	0	–	–	–
6a SCOTLAND, W.																												
Argyll	Ardtornish ..	2121 9	48	61·4	43·3	52·3	-2·4	71	12	36	2,18	–	–	4·37	111	–	1·11	3	19	19	0	0	0	0	–	5	–	–	–	–
	Colonsay ..	9 9 9	87	59·1	48·1	53·6	–	65	15	40	9,10	–	–	3·03	77	–	·72	2	14	12	0	0	0	0	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	62·6	47·7	55·1	–	69	11	37	18	57·9	53·6	5·54	141	–	1·04	27	18	15	0	0	0	0	0	0	–	4·76	–	27S
	Dunoon	9 9 9	132	61·0	48·1	54·5	–	67	21	39	2	–	–	4·81	122	–	·90	5	17	13	0	0	0	0	0	1	0	5·63	–	32
	Glenbranter ..	9 9 9	188	61·9	44·7	53·3	-0·7	72	11	32	2	–	–	6·53	166	–	1·25	27	14	13	0	0	0	0	0	7	–	–	–	–
	Oban	9 9 9	229	58·6	48·1	53·3	–	69	11	40	10	–	–	4·12	105	–	·80	27	14	11	0	0	0	0	1	0	0	5·15	85	29
	Tiree .. ¶§	18–7 7	22	57·9	49·9	53·9	+0·4	64	13	43	9	–	–	2·49	63	97	·71	4	17	10	0	0	0	0	0	0	1	5·42	72	31
Bute	Rothesay ¶§	2121 9	200	59·9	48·4	54·1	-0·4	66	11,21	39	2	56·8	53·3	4·53	115	148	·85	3	18	14	0	0	0	0	0	0	1	5·79	91	33
Dumbarton	Cardross	9 9 9	130	62·3	48·0	55·1	+0·4	68	21,26	35	2	–	–	3·18	81	–	·60	4	16	11	0	0	0	0	0	–	–	5·39	94	31S
	Helensburgh ..	9 9 9	293	62·1	47·5	54·8	-0·7	68	21	37	2	–	–	4·30	109	144	1·03	5	14	12	0	0	0	0	0	–	0	5·98	101	34
Stirling	Stirling	9 9 9	151	65·0	49·3	57·1	+1·1	73	21	40	2	59·7	52·6	1·78	45	–	·23	27	14	11	0	0	0	2	0	0	0	5·96	101	34S
Renfrew	Greenock ..	9 9 9	199	61·8	49·7	55·7	+0·4	67	11,21	40	2	–	–	2·96	75	90	·61	4	14	12	0	0	0	0	1	0	0	6·03	–	35
	Paisley	2121 9	106	64·5	49·6	57·1	+0·6	73	21	39	2	59·6	53·1	1·84	47	74	·43	4	15	11	0	0	0	0	0	0	0	6·23	105	36
	Renfrew (Abbotsinch) ¶§	18–7 7	19	62·8	48·2	55·5	+0·7	70	21	35	18	–	–	1·78	45	81	·48	4	17	11	0	0	0	0	0	0	0	6·55	112	38
Lanark	Carluke	9 9 9	534	62·3	43·7	53·0	–	69	21	36	2	–	–	2·00	51	–	·48	6	17	10	0	0	0	0	0	1	0	5·99	–	35
	Dungavel	9 9 9	798	58·4	44·8	51·6	-0·5	65	21	33	2	–	–	3·98	101	–	·72	4	18	13	0	0	0	0	0	1	–	–	–	–
	Glasgow	9 9 9	85	62·2	50·4	56·3	+0·7	69	21	40	2	–	52·9	2·26	57	90	·36	3	16	13	0	0	0	0	0	–	0	5·95	–	34
Ayr	Auchincruive ..	9 9 9	89	62·1	46·8	54·5	–	68	11	35	18	58·5	54·0	2·39	61	–	·61	4	13	10	0	0	0	0	0	2	0	5·50	–	32
	Ayr	2121 9	43	61·1	48·4	54·7	–	67	11	41	2	–	–	2·33	59	–	·72	4	10	10	0	0	0	0	0	–	–	5·90	–	34
	Colmonell	9 9 9	170	60·9	48·1	54·5	-0·4	67	10	40	21	–	–	2·49	63	99	·60	4	19	11	0	0	0	0	0	–	–	–	–	–
	Kilmarnock ..	9 9 9	130	62·5	48·2	55·3	-0·3	69	11	36	2,18	58·1	54·2	3·25	83	–	·85	4	12	12	0	0	0	0	0	0	0	5·89	–	34S
	Troon	9 9 9	15	59·5	50·1	54·8	–	68	11	42	18	–	–	2·87	73	–	·81	4	16	12	0	0	0	0	0	0	0	6·31	–	36S
	Turnberry ..	9 9 9	30	60·0	48·9	54·5	-0·5	67	11	42	2	–	–	3·16	80	–	·87	4	14	12	0	0	0	0	0	0	0	5·88	90	34
Dumfries	Dumfries .. ¶§	2121 9	140	62·5	48·5	55·5	0·0	70	10	38	2	57·5	53·2	2·56	65	106	·64	6	18	14	0	0	0	0	0	1	0	5·50	85	32
	Eskdalemuir ¶§	242424	794	60·4	44·8	52·6	+0·6	67	10	35	10	54·7	49·5	3·94	100	125	·82	6	15	11	0	0	0	2	1	3	1	5·08	87	34
		18–7 –	—	60·7	45·5	53·1	+0·7																						
	Ruthwell	2121 9	67	63·4	47·4	55·4	-0·3	70	12,21	36	2	–	–	2·62	67	–	·71	5	16	13	0	0	0	0	–	–	0	4·06	66	24S

¶§ S *See* Notes on Tables on last page of this issue. ‖ On and after 18th April observations were taken one hour earlier than the times shown.

† Observations taken at 17h. G.M.T. instead of 18h. G.M.T. on Sundays during Summer time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JUNE, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
6b ISLE OF MAN		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Isle of Man	Douglas	9 9 9	284	59·3	49·8	54·5	-0·2	67	10,27	43	19	-	-	3·04	77	127	·65	3	15	10	0	0	0	0	2	0	0	6·84	95	40
	Point of Ayre ..	18–7 7	30	62·2	49·9	56·1	-	70	27	42	30	-	-	1·82	46	-	·52	3	14	11	0	0	0	0	0	-	0	6·85	-	40
·2 ENGLAND, N.E.																														
Northum-	Berwick-on-T. ..	9 9 9	76	60·8	49·1	54·9	+1·2	72	25	42	2,30	-	-	1·25	32	72	·17	11	17	12	0	0	0	0	0	0	0	6·21	100	36
berland	Bellingham ..	9 9 9	849	61·7	45·7	53·7	+0·3	70	10	36	2	-	-	1·11	28	49	·18	2	21	11	0	0	0	1	0	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	62·5	45·3	53·9	+0·4	71	10	37	2	55·9	53·0	1·53	39	69	·38	14	21	15	0	0	0	0	0	0	0	5·22	87	30
	Tynemouth ..	18–7 7	108	60·6	50·5	55·5	+1·0	70	26,27	42	1,2	-	-	2·12	54	108	·60	14	16	12	0	0	0	0	1	0	0	5·62	-	33
Durham	Chopwellwood ..	9 9 9	446	63·4	47·4	55·4	+1·3	74	10	41	2,19,30	-	-	1·57	40	74	·25	14,19	16	12	0	0	0	3	0	1	-	4·89	79	28
	Durham .. ¶§	2121 9	336	63·5	48·4	55·9	+1·4	74	10	41	30	-	-	1·70	43	90	·27	14	15	13	0	0	0	1	0	0	0	4·45	76	26
	Houghall..	9 9 9	160	65·0	47·9	56·5	+1·2	76	10	39	21,30	-	-	1·50	38	-	·23	14	15	12	0	0	0	1	0	1	0	4·27	71	25
	Sunderland ..	9 9 9	70	62·3	50·3	56·3	-	72	27	44	2	-	-	1·87	47	-	·85	14	17	11	0	0	0	0	0	0	-	-	-	-
	Ushaw College ..	9 9 9	594	62·7	47·5	55·1	+0·5	75	10	41	2,19,30	-	-	1·47	37	68	·26	19	18	13	0	0	0	1	1	-	-	-	-	-
Yorks.,	Ampleforth ..	9 9 9	313	63·6	47·8	55·7	+0·2	74	6,10	38	3	-	-	1·51	38	-	·35	12	15	8	0	0	0	0	3	1	-	4·91	-	29
N. Riding	Castleton ..	9 9 9	450	63·8	46·8	55·3	-	75	10,26,27	35	3	56·7	-	1·44	37	-	·46	14	15	10	0	0	0	0	0	0	-	-	-	-
	Catterick.. ..	18–7 7	175	63·4	49·1	56·3	-	74	10	42	21,30	-	-	1·13	29	-	·31	12	12	8	0	0	0	1	0	0	0	4·66	-	27
	Scarborough ††¶§	9 9 9	118	64·9	50·1	57·5	+1·3	76	27	43	3	-	56·9	1·22	31	66	·34	14	10	9	0	0	0	1	0	0	0	6·39	105	38
	York .. ¶§	2121 9	57	65·9	50·2	58·1	+0·7	76	10	42	3	57·5	53·3	1·74	44	83	·57	12	15	11	0	0	0	0	-	-	0	5·41	93	32
Yorks.,	Hull	2121 9	8	65·9	51·6	58·7	+1·9	80	6	44	3	59·9	53·0	1·32	33	64	·37	10	10	8	0	0	0	1	0	0	-	6·45	110	38
E. Riding	Spurn Head ..	18–7 7	29	63·2	51·3	57·3	+1·4	74	5	46	2,3	-	-	1·28	33	72	·43	18	12	10	0	0	0	0	1	-	0	6·62	103	39
Lincoln	Cranwell .. ††¶§	18–7 7	203	65·8	48·5	57·1	+0·2	75	6,11	42	30	59·2	56·4	1·19	30	70	·40	13	10	7	0	0	1	3	1	0	0	5·69	85	34
	Cleethorpes ..	9 9 9	23	65·2	50·1	57·7	+1·1	78	6	41	3	-	-	·97	25	-	·27	18	9	6	0	0	0	1	0	-	-	6·37	98	38
	Skegness ..	9 9 9	15	63·4	50·1	56·7	+0·6	72	28	42	30	-	-	1·58	40	87	·46	19	10	6	0	0	0	1	0	0	-	6·45	94	38
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	64·7	50·9	57·8	+0·9	78	6	43	3	-	-	1·39	35	82	·49	10	10	9	0	0	0	2	1	0	0	7·34	112	44
	Hunstanton ..	9 9 9	105	65·0	52·1	58·5	+0·4	75	7	46	3	-	-	1·82	46	-	·88	19	11	6	0	0	0	2	0	-	-	7·26	107	44
	Norwich ..	9 9 9	110	67·5	49·3	58·4	+0·3	81	6,7	41	21	59·5	-	1·00	25	-	·26	10	13	6	0	0	0	3	-	0	-	6·59	96	40
	Sprowston ..	9 9 9	93	66·1	49·6	57·9	+0·6	78	6,7	42	19,21	-	-	1·10	28	-	·35	20	13	6	0	0	0	5	-	0	-	6·39	94	38
	Terrington ..	9 9 9	13	68·2	49·8	59·0	-	79	6	43	30	-	-	1·33	34	-	·62	13	5	5	0	0	0	0	0	0	-	5·69	-	34
	Thetford ..	9 9 9	99	67·1	46·1	56·6	-	80	6,7	39	21	62·9	56·8	1·47	37	-	·38	13	12	9	0	0	0	3	0	0	-	5·47	-	33
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	63·5	51·1	57·3	+0·4	75	28	44	19	60·7	55·4	·90	23	51	·23	10	11	6	0	0	0	2	1	0	0	7·35	106	44
Suffolk	Bungay (Flix'n)..	9 9 9	79	68·5	49·1	58·8	+0·9	81	11	42	19	-	-	1·68	43	-	·80	20	9	8	0	0	0	1	0	0	-	-	-	-
	Chadacre ..	9 9 9	250	67·7	48·7	58·2	-	81	11	41	17	-	-	1·53	39	-	·53	10	12	8	0	0	0	1	0	0	-	6·48	-	39
	Copdock	9 9 9	164	67·5	48·6	58·1	+0·6	80	11	42	17	61·2	57·1	1·46	37	-	·65	10	13	8	0	0	0	2	0	0	-	6·79	97	41
	Felixstowe Aero..	18–7 7	15	64·9	51·5	58·2	+0·1	73	7	44	17	-	-	1·71	43	101	·57	10	14	7	0	0	0	2	1	0	0	7·20	96	43
	Lowestoft ..	9 9 9	82	66·2	49·6	57·9	+1·4	75	28	41	19	61·8	58·2	·66	17	36	·33	10	10	3	0	0	0	1	0	0	0	6·90	99	41
	Mildenhall ..	18–7 7	19	67·1	49·5	58·3	-	80	6	42	19,21	-	-	1·46	37	-	·48	19	10	7	0	0	0	2	0	0	0	5·81	-	35
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	67·9	48·4	58·1	+0·1	80	6,11	40	21	60·8	57·0	1·52	39	71	·37	19	9	7	0	0	0	2	0	0	0	5·86	87	35
	(Univ. Farm) ..	9 9 9	78	67·2	52·8	60·0	-	79	6,11	43	21	-	-	1·60	41	-	·50	12	10	7	0	0	0	0	0	0	0	6·25	-	38
Bedford	Luton	9 9 9	381	66·2	48·5	57·3	+0·5	79	11	41	3	62·1	56·5	1·47	37	-	·34	10	10	5	-	-	-	-	1	0	-	5·91	86	36
	Woburn	9 9 9	291	66·0	47·8	56·9	0·0	79	11	38	21	63·2	55·1	1·49	38	76	·47	13	10	6	0	0	0	5	0	0	-	5·96	93	36
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	65·1	48·9	57·0	+0·1	78	11	41	3,21	59·4	-	1·73	44	78	·63	12	11	7	0	0	0	2	0	0	0	6·25	91	38
	St. Albans ..	9 9 9	272	67·0	48·1	57·5	-0·1	79	11	39	3,21	62·2	-	2·07	53	101	·61	12	11	10	0	0	0	2	0	0	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	65·0	51·2	58·1	+0·2	73	7	43	18	61·7	58·0	1·85	47	109	·43	20	13	10	0	0	0	2	0	0	-	7·06	96	43
	Chelmsford ..	9 9 9	134	69·4	49·7	59·5	+1·6	81	11	42	21	-	-	2·31	59	122	·75	13	11	8	0	0	0	2	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	68·3	48·9	58·6	-	80	11	42	9,21	-	-	1·97	50	-	·56	13	11	8	0	0	0	2	-	0	-	6·81	-	41
	Earls Colne ..	9 9 9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Halstead ..	9 9 9	140	69·1	49·0	59·1	+0·8	81	11	40	21	-	-	2·09	53	-	·58	10	12	10	0	0	1	2	0	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	67·3	50·8	59·1	+1·0	77	6	42	20	-	-	2·77	70	156	·80	18	14	10	0	0	0	4	0	0	0	6·94	92	42
4 MIDLAND COUNTIES																														
Yorks.,	Askham Bryan	9 9 9	90	66·4	47·4	56·9	-	75	6	35	3	-	-	1·61	41	-	·77	12	12	8	0	0	0	0	0	0	-	5·34	-	32
W. Riding	Bingley	9 9 9	610	61·6	47·6	54·6	-	71	10	38	21	-	-	1·85	47	-	·78	13	14	7	0	0	0	1	0	0	-	-	-	-
	Bradford ..	9 9 9	439	62·8	49·6	56·2	+0·7	72	10	43	2,21,30	57·1	52·0	1·65	42	70	·63	13	14	8	-	-	-	-	0	0	-	5·10	84	30
	Doncaster ..	9 9 9	30	65·7	47·8	56·7	-	75	6,10	36	3	-	-	2·55	65	-	1·57	13	12	5	0	0	0	1	0	1	-	5·73	-	34
	Giggleswick ..	9 9 9	575	60·6	47·2	53·9	-0·7	69	10	38	30	-	-	1·59	41	-	·39	3	14	13	0	0	0	0	0	-	0	3·74	66	22
	Harrogate ¶§	9 9 9	478	63·4	49·3	56·3	+1·3	72	10	42	30	56·3	54·1	1·37	35	56	·49	13	11	5	0	0	0	0	1	0	0	5·43	88	32
	Huddersfield ..	2121 9	325	64·6	50·5	57·5	+1·2	75	6,10	42	4	57·9	53·3	1·59	40	72	·50	20	13	6	0	0	1	3	0	0	-	4·53	80	27
	,, (Oakes)	9 9 9	761	63·4	48·4	55·9	+0·6	74	10	41	18	55·6	51·1	1·92	49	75	·71	13	13	9	0	0	0	2	0	0	0	-	-	-
	Meltham .. **	9 9 9	514	63·5	48·9	56·2	+0·7	74	10	41	3,21	56·3	55·3	1·87	47	64	·82	13	13	8	0	0	0	2	0	0	-	-	-	-
	Pontefract ..	9 9 9	255	63·4	49·5	56·5	0·0	73	10	40	3	-	-	1·93	49	96	·75	13	12	6	-	-	-	-	0	0	-	5·32	-	32
	Sheffield	9 9 9	428	64·3	50·6	57·5	+0·7	74	6,10	45	3,18	56·8	53·2	1·09	28	48	·69	13	10	6	0	0	0	1	-	0	0	5·21	87	31
	Wakefield ..	9 9 9	124	66·2	49·7	57·9	+0·8	75	10	40	3	58·5	53·3	1·39	35	65	·49	13	15	5	0	0	0	2	0	0	-	5·03	86	30
Derby	Belper (School) ..	9 9 9	222	66·4	47·8	57·1	-0·1	79	11	40	21	-	-	·95	24	41	·46	13	6	5	0	0	0	2	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	59·8	47·8	53·8	+0·1	73	11	40	21	55·1	52·1	1·74	44	54	·65	30	10	7	0	0	0	1	1	0	-	4·35	74	26
Nottingham	Attenborough ..	18 7 7	8	66·6	47·8	57·2	-	80	11	39	21	60·2	54·6	·63	16	-	·23	19	5	3	0	0	0	3	1	0	0	-	-	-
	Mansfield ..	9 9 9	357	65·5	49·2	57·3	+0·4	77	6	44	19	-	-	·57	14	-	·19	13	5	4	0	0	0	1	0	-	-	-	-	-

† 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.

†† New Site as from December 9th, 1936.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JUNE, 1937

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										Precip'n									Percentage	
				A Max.	B Min.	Mean of A and B		Maximum	Date	Minimum	Date	1 ft	4 ft	Total Fall		Percentage of Average	Most in a day: Amount	Most in a day: Date	0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible
		Max. Min. Rain																											
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham	Nottingham ¶§	9 9 9	192	66·1	50·1	58·1	+0·7	78	11	43	30	58·8	56·7	·33	8	17	·11	10	5	4	–	–	–	–	0	0	–	5·24	*89*	31
cont.	Sutton Bon'gton	9 9 9	157	66·1	48·6	57·3	*0·0*	79	11	40	21	59·7	–	·95	24	54	·27	19	6	5	0	0	0	2	0	0	–	5·16	*83*	33
	Worksop ..	9 9 9	56	67·0	48·7	57·9	+0·4	76	6	40	21,30	59·3	54·3	1·33	34	68	·92	13	9	4	0	0	0	0	–	0	0	5·59	89	33
Leicester	Belvoir Castle ..	2121 9	259	66·0	48·9	57·5	+0·9	78	11	39	21	60·2	53·4	·56	14	30	·26	10	6	4	–	–	–	–	0	–		5·70	89	34
	Leicester ..			–	–	–	–	–		–		–	–	–	–	–	–		–	–	–	–	–	–	–	–		–	–	–
Northampton	Oundle	9 9 9	147	65·9	48·8	57·3	+0·4	79	11	40	21	60·0	54·9	1·23	31	–	·39	10	8	6	0	0	0	1	0	0	–	5·30	*86*	32
Warwick	Birmingham ¶§	18–7 7	535	64·1	50·0	57·1	*–0·1*	78	11	45	19	53·7	50·9	·82	21	35	·28	11	10	6	0	0	0	2	0	0	0	4·98	84	30
	„ Sparkhill	713 7	425	67·3	48·6	57·9	*+0·2*	80	11	39	19	–	–	1·06	27	43	·43	11	7	6	0	0	0	2	1	2	–	–	–	–
	Coventry	9 9 9	241	66·2	47·8	57·0	–1·1	80	11	39	19	61·1	57·8	1·47	37	69	·57	11	9	7	0	0	0	3	0	0	–	4·34	70	26
	Rugby	2121 9	390	66·5	47·4	56·9	*–0·2*	79	11	39	30	–	–	1·28	33	–	·54	11	8	7	0	0	0	5	–	1	–	4·54	–	27
	Stratford-on-Avon	9 9 9	210	66·6	47·5	57·1	–	74	7,11	40	19,30	–	–	·77	20	–	·21	19	8	6	0	0	0	2	0	–	–	5·48	–	33
Oxford	Oxford .. ¶§	9 9 9	208	68·0	50·0	59·0	+0·7	80	11	43	2	62·9	57·8	1·56	40	69	·40	12	11	6	0	0	1	4	0	0	0	6·05	90	37
Bucks	Halton	9 9 9	544	66·6	48·9	57·7	–	80	11	42	2,3,30	61·9	55·2	1·98	50	–	·63	12	11	7	0	0	1	3	0	0	–	5·62	–	34
	Mursley	9 9 9	490	65·4	48·0	56·7	*+0·1*	79	11	41	3	56·7	–	1·46	37	74	·41	13	11	8	–	–	–	–	–	–	–	5·26	*80*	32
Stafford	Market Drayton	9 9 9	581	63·6	47·0	55·3	–	75	11	37	19	–	–	·71	18	–	·15	3	11	8	0	0	0	0	0	0	–	4·86	–	29
	Mäyfield	9 9 9	374	64·5	47·3	55·9	*+0·5*	76	11	37	30	–	–	1·33	34	56	·44	30	10	7	0	0	0	3	–	0	–	5·51	*89*	33
Shropshire	Newport	9 9 9	211	65·0	48·2	56·6	–	78	11	40	19,23	–	–	1·17	30	56	·28	11	13	7	0	0	0	1	0	0	–	4·50	–	27
	Shrewsbury ..	9 9 9	184	65·7	48·5	57·1	*–0·4*	79	11	38	17	59·0	55·8	·85	22	–	·31	12	14	7	0	0	0	3	0	1	0	4·43	–	27
Worcester	Malvern	9 9 9	380	66·1	51·2	58·7	*+0·5*	80	11	45	2,3	60·2	56·1	1·22	31	53	·40	19	9	5	0	0	0	2	0	0	–	6·05	*88*	36
	Worcester .. (Perdiswell)	9 9 9	94	67·8	47·6	57·7	*–0·3*	80	11	40	17,22,23	–	–	·64	16	–	·18	19	11	6	0	0	0	1	–	0	–	5·89	–	35
Hereford	Bromyard ..	9 9 9	393	66·1	46·5	56·3	*–0·7*	76	11	37	17	60·4	54·9	·91	23	–	·37	13	11	7	0	0	0	0	0	0	–	–	–	–
	Hereford ..	9 9 9	292	67·3	48·0	57·7	*+0·4*	79	11	39	3	–	–	·78	20	37	·32	13	8	6	0	0	0	1	0	0	0	–	–	–
	Ross-on-Wye ¶§	18–7 7	223	66·2	49·0	57·6	*–0·5*	78	11	41	17	60·6	56·6	1·06	27	49	·44	13	11	5	0	0	0	2	0	0	0	6·13	*89*	37
Gloucester	Bristol (Horfield)	18–7 7	206	67·9	50·5	59·2	–	79	11	44	1,3,18	62·4	58·0	1·54	39	–	·68	13	9	6	0	0	0	4	0	0	0	–	–	–
	Cheltenham ..	2121 9	214	68·0	49·8	58·9	*+0·3*	80	11	43	2	61·9	58·6	1·23	31	55	·40	22	10	6	0	0	0	3	0	0	0	5·88	*89*	36
	Cirencester ..	9 9 9	443	66·4	47·5	56·9	*–0·2*	78	11	40	3,8	–	–	1·05	27	–	·24	19	9	7	0	0	0	1	0	0	–	6·10	*94*	37
	Parkend	9 9 9	325	65·5	46·1	55·8	–	77	11	38	3	58·2	54·7	1·06	27	–	·33	13	8	6	0	0	0	3	0	2	–	5·98	–	36
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—																									6·44	101	39
	Camden Square ..	9 9 9	110	70·8	53·3	62·1	+1·1	85	11	46	21	61·0	55·3	1·49	38	74	·38	12	12	9	0	0	0	4	–	0	–	–	–	–
	East Ham ..	9 9 9	15	69·6	52·8	61·2	+1·9	82	11	46	19,21	–	–	1·95	50	101	·66	18	11	8	–	–	–	–	–	–	–	–	–	–
	Enfield	9 9 9	148	69·8	51·5	60·7	*+1·2*	82	6,7,11	44	3	–	57·3	1·92	49	90	·79	12	11	8	0	0	0	4	0	0	–	6·69	*97*	41
	gGreenwich ..	2424 9	149	71·1	50·2	60·7	+1·0	85	11	43	21	57·8	54·8	1·87	48	93	·80	18	11	6	0	0	0	4	0	1	0	5·72	85	35
		21 9 –	—	71·1	50·8	60·9	–																							
	Hampstead ..	9 9 9	450	67·2	49·5	58·3	*+0·3*	80	11	43	30	–	–	2·49	63	–	1·11	12	15	9	0	0	2	6	–	1	–	6·98	*99*	428
	Kensington ..	18–9 9	80	68·8	52·5	60·7	*+0·4*	82	11	46	19,21	61·8	56·9	1·79	45	89	·52	18	13	9	0	0	0	1	0	0	0	7·09	–	43
	Kingsway ..	—	—																									6·71	–	41
	Regent's Park ..	9 9 9	129	69·9	52·5	61·2	–	85	11	46	19,21	–	–	1·74	44	–	·44	18	12	9	0	0	0	3	0	0	–	6·68	102	41
	Kew ¶§	242424	18	68·9	52·3	60·6	+1·1	81	11	47	3	62·8	57·4	1·81	46	84	·52	13	11	6	0	0	0	3	0	0	0	6·95	103	42
	Observatory ..	18–7 –	—	68·8	52·5	60·7	*+0·8*																							
	Tottenham ††¶§	2121 9	51	71·2	54·1	62·7	*+2·0*	84	11	42	21	–	57·3	1·76	45	88	·75	12	9	7	0	0	0	3	–	0	–	6·86	*100*	42
	Westminster ..	9 9 9	27	69·4	53·9	61·7	+1·6	82	11	47	21	–	–	1·81	46	96	·62	18	12	7	0	0	0	1	–	0	–	6·44	97	39
Surrey	Addington ..	9 9 9	472	67·4	50·7	59·1	+1·6	81	11	44	2,19	–	–	1·77	45	–	·45	18	12	11	0	0	0	3	0	–	–	–	–	–
	Croydon	18–7 7	217	67·9	51·2	59·5	*+0·6*	82	11	44	3,21	–	–	1·72	44	81	·53	18	12	9	0	0	0	3	0	0	0	6·83	*97*	41
	Wisley	9 9 9	150	69·1	49·3	59·2	+0·7	81	11	40	2	62·3	57·3	2·02	51	–	·54	18	14	7	0	0	0	4	0	1	0	6·75	97	41
Kent	Biggin Hill ..	18–7 7	567	65·3	50·6	57·9	*+1·0*	79	11	45	2,19,30	–	–	2·63	67	113	·66	18	12	10	0	0	0	4	1	0	0	7·23	*99*	44
	Bromley	9 9 9	213	69·4	51·1	60·3	–	82	11	44	21	–	–	2·05	52	104	·69	18	10	9	0	0	0	4	0	0	–	–	–	–
	Canterbury ..	9 9 9	135	69·8	49·9	59·9	*+1·2*	83	6,7,11	43	18,25	60·0	56·3	1·36	35	–	·36	10	8	6	–	–	–	–	–	0	–	–	–	–
	Dover	9 9 9	22	65·2	52·4	58·8	*+1·3*	75	6	45	18	62·7	59·6	1·61	41	–	·57	10	11	7	0	0	0	1	0	0	0	8·13	*107*	50
	Dungeness ..	18–7 7	20	64·3	50·0	57·1	*0·0*	71	7	42	18,21	–	–	1·52	39	97	·37	13	12	10	0	0	0	2	1	–	0	–	–	–
	East Malling ..	9 9 9	132	68·0	48·3	58·1	*+0·3*	81	7	41	3	–	–	2·30	58	–	·68	18	12	9	0	0	1	5	0	0	0	6·71	*94*	41
	Folkestone ..	9 9 9	101	65·8	51·6	58·7	*+0·9*	76	6	43	18	–	57·3	1·71	43	–	·46	10	12	7	0	0	0	2	0	0	–	7·69	101	47
	Goudhurst ..	9 9 9	290	67·4	47·1	57·3	–	79	11	38	18,21	–	–	2·27	58	–	·58	18	14	10	0	0	0	5	0	2	–	–	–	–
	Lympne	18–7 7	346	65·1	49·4	57·3	*+0·8*	76	6	40	18	–	58·1	1·39	35	72	·40	13	12	7	0	0	0	4	0	0	0	7·86	*104*	48
	Manston	18–7 7	142	66·3	51·4	58·9	–	77	6	46	3,9,30	–	–	2·26	57	–	·58	10	10	7	0	0	1	4	0	0	0	7·92	–	48
	Margate .. ¶§	9 9 9	51	66·2	54·3	60·3	*+1·8*	79	6	49	9,19,21	63·3	59·7	1·83	46	103	·59	10	9	7	0	0	1	2	0	0	0	8·31	109	50
	Tunbridge W. ..	9 9 9	355	68·3	48·5	58·4	*+0·7*	82	11	39	30	62·7	59·2	2·52	64	–	·77	18	13	12	0	0	0	2	0	0	0	7·32	103	45
	Wye	9 9 9	164	68·5	48·6	58·5	*+0·6*	80	11	36	21	–	–	1·42	36	–	·39	10	13	7	0	0	0	2	–	0	0	7·16	*100*	44
Sussex	Ardingly ..	9 9 9	437	68·4	49·5	58·9	*+1·2*	81	11	42	3,30	–	–	1·59	40	–	·39	10,18	13	8	0	0	0	3	–	0	–	–	–	–
	Beachy Head ..	18–7 7	502	62·5	51·1	56·8	*+1·1*	75	10	44	18	–	–	1·51	38	–	·40	10	14	8	0	0	0	2	3	–	–	–	–	–
	Brighton ..	9 9 9	32	65·4	52·8	59·1	*+1·0*	78	10	47	18,21	–	59·1	·99	25	55	·38	11	8	6	0	0	0	2	0	0	0	7·81	104	48
	Eastbourne ..	2121 9	35	66·0	52·6	59·3	+1·6	76	10	46	21	62·4	58·8	1·35	34	73	·51	12	13	7	0	0	0	2	1	0	–	8·28	105	51
	Hastings ¶§	2121 9	149	65·5	51·6	58·5	*+0·8*	75	7	44	18	64·6	58·4	1·61	41	89	·47	10	14	11	0	0	1	2	0	–	0	7·93	105	49
Berkshire	Ascot H'therw'd	2121 9	300	68·8	48·3	58·5	*+0·6*	80	11	40	2	–	–	2·14	54	–	·63	18	11	7	0	0	0	5	0	1	–	7·17	*101*	44
	Reading	9 9 9	152	69·2	50·2	59·7	+1·0	80	11	43	2,3	61·6	57·9	1·92	49	–	·44	10,12	13	8	0	0	0	4	–	0	0	–	–	–
	Shinfield ..	9 9 9	200	69·6	48·8	59·2	*+0·8*	81	11	41	21	–	–	1·62	41	–	·42	12,18	11	6	0	0	0	4	–	–	–	–	–	–
	Warfield	9 9 9	220	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

†† 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 JUNE, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
5 ENGLAND, S.E.—*cont.*																														
Hampshire	Bournemouth ..	9 9 9	139	67·9	50·8	59·3	+1·1	78	10	43	3	61·0	58·4	·29	7	15	·15	10	6	2	0	0	0	1	0	-	-	7·33	95	45
	Calshot	18–7 7	8	67·3	51·6	59·5	+0·4	78	10	44	3,30	–	–	·93	23	56	·26	12	8	8	0	0	0	3	1	0	0	7·16	92	44
	Leckford ..	9 9 9	385	66·3	48·1	57·2	-	77	11	41	3	59·5	-	1·51	38	-	·55	11	8	7	0	0	0	-	0	-	-	6·52	-	40
	Long Sutton ..	9 9 9	479	68·9	48·4	58·7	+0·8	81	11	41	2	63·5	-	1·26	32	-	·31	12	10	7	0	0	0	3	0	0	-	5·60	76	34
	Southamp'n ¶§	2121 9	64	68·0	51·4	59·7	+0·5	78	10	44	3	-	-	1·43	36	71	·48	10	8	5	0	0	0	2	0	0	0	7·13	97	43
	S. Farnboro' ..	18–7 7	237	68·2	47·9	58·1	-0·4	81	11	38	2,21	-	-	1·93	49	98	·46	10	12	9	0	0	0	4	0	1	0	7·28	100	44
I. of Wight	Newport	9 9 9	48	70·5	48·9	59·7	+0·8	79	10	41	3	-	-	·97	25	-	·36	10	7	5	0	0	0	3	0	0	0	-	-	-
	Ryde	9 9 9	13	68·1	52·9	60·5	+1·4	74	26	46	3	-	-	·92	23	-	·47	12	7	4	0	0	0	1	0	-	0	8·17	104	50
	Sandown ..	9 9 9	13	66·6	52·6	59·6	+0·7	77	10	45	3	-	-	1·03	26	-	·45	12	7	7	0	0	0	1	0	-	-	8·07	100	50
	Totland Bay ..	9 9 9	140	65·1	51·5	58·3	+0·6	77	10	46	1,18,25	-	-	·59	15	32	·22	10	5	4	0	0	0	1	0	0	0	7·26	92	45
	Ventnor(Hospital)	9 9 9	59	65·9	53·0	59·5	+1·0	77	10	47	3	-	-	·85	22	46	·35	12	10	6	0	0	0	1	-	-	0	8·22	108	50
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	66·2	48·2	57·2	-	78	11	41	2,3,30	-	-	1·57	40	-	·65	11	10	8	0	0	0	3	0	0	0	6·79	-	41
	Larkhill	9 9 9	440	66·3	47·6	56·9	-0·3	79	11	39	3	-	-	1·16	30	60	·54	11	10	7	0	0	0	3	0	1	0	-	-	-
	Marlboro' ‖ ¶§	9 9 9	424	67·1	45·5	56·3	-0·1	79	11	36	1,2	60·5	55·3	1·15	29	53	·30	11	11	6	0	0	0	2	0	5	0	6·04	96	37
	Porton	9 9 9	363	67·3	46·6	56·9	-0·2	78	11	37	2	60·2	-	1·49	38	77	·43	11	10	8	0	0	0	3	0	3	0	6·88	95	42
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	61·9	48·6	55·3	-0·5	71	10	39	21	57·4	52·7	2·12	54	73	·53	13	14	12	0	0	0	1	0	1	0	4·48	73	26
	Newton Rigg ¶§	2121 9	560	63·1	47·1	55·1	+0·4	75	26	39	2,21,30	-	-	1·53	39	69	·60	13	17	8	0	0	0	0	0	2	0	5·06	78	30
Westmorland	Ambleside ..	9 9 9	145	63·5	48·1	55·8	-	74	10	39	30	-	-	3·23	82	-	·80	5	16	13	0	0	0	0	0	-	-	4·62	-	27
	Appleby	9 9 9	440	63·1	47·4	55·3	+0·7	72	10	37	30	-	-	1·30	33	57	·41	13	15	8	0	0	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	63·0	49·4	56·2	-0·2	71	11	42	30	57·0	52·9	2·06	52	70	·56	3	16	10	0	0	0	0	-	0	-	4·32	79	26S
	Burnley	9 9 9	458	61·9	48·5	55·2	+0·1	71	10	38	3	57·0	53·2	1·79	45	-	·63	3	14	8	0	0	0	1	0	0	-	3·91	69	23
	Darwen	2121 9	724	63·9	48·0	55·9	+0·6	74	10	40	3	58·7	53·2	2·48	63	72	·80	3	17	13	0	0	0	0	0	0	-	4·39	78	26
	Hutton	9 9 9	82	63·1	48·8	55·9	-0·2	70	10,11	39	19	58·3	54·0	1·95	49	-	·97	3	12	8	0	0	0	0	0	0	0	4·40	67	26
	Lancaster ..	9 9 9	312	63·4	50·1	56·7	0·0	70	10	43	18	58·0	54·5	2·68	68	105	1·20	3	17	13	0	0	0	1	1	0	-	3·96	62	23
	Leyland	9 9 9	125	63·3	48·7	56·0	+0·1	70	10	39	30	-	-	1·72	44	69	·74	3	15	8	0	0	0	0	0	0	-	4·47	69	26
	Manchester (Barton) ..	18–7 7	70	63·5	47·2	55·3	-	74	10,11	36	19,23	-	-	1·34	34	-	·31	3	13	9	0	0	0	1	4	0	0	4·25	-	25
	(Oldham Road)	2121 9	191	65·2	52·7	58·9	+0·4	76	11	45	30	59·7	55·7	1·51	38	56	·53	3	11	6	0	-	0	0	-	0	-	3·51	68	21S
	(Whitworth Pk.)	2121 9	125	64·4	50·7	57·5	-0·2	76	10,11	43	30	-	-	1·19	30	45	·39	3	12	7	-	-	-	-	1	0	-	3·35	64	20
	Southport (Bedford Rd.Pk.)¶§	9 9 9	35	63·0	50·7	56·9	+0·6	70	11	39	19	60·8	56·2	1·87	47	86	·65	3	14	10	0	0	0	0	0	0	0	5·62	79	33
	Stonyhurst ¶§	9 9 9	377	61·6	49·2	55·4	-0·4	70	10	42	3	-	-	3·74	95	122	1·71	3	16	10	0	0	0	1	0	0	0	4·44	74	26
Cheshire	Bidston Obs'y ..	9 9 9	198	61·0	51·5	56·3	-0·4	70	11	43	19	-	-	1·81	46	82	·47	19	17	11	0	0	0	0	1	0	0	5·46	81	33
	Hoylake	9 9 9	23	64·2	52·0	58·1	+0·8	71	11	41	19	-	-	·87	22	42	·23	19	15	6	0	0	0	0	-	0	-	5·76	83	34
	Macclesfield ..	9 9 9	500	63·8	49·2	56·5	+0·4	76	11	41	19,30	-	-	1·79	45	65	·68	13	14	6	0	0	0	1	0	-	-	-	-	-
	West Kirby ..	9 9 9	25	63·9	52·0	57·9	0·0	71	11	43	19	-	-	·95	24	43	·28	19	13	6	0	0	0	1	0	0	-	5·69	79	34
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	64·4	50·4	57·4	-0·1	72	11	38	19	-	-	1·41	36	-	·47	19	11	7	0	0	0	1	0	-	-	-	-	-
	Rhyl	9 9 9	31	62·5	50·9	56·7	0·0	73	12	42	19	-	-	1·43	36	73	·76	12	13	6	0	0	0	1	0	0	0	5·67	80	34
	Sealand .. ¶§	18–7 7	16	63·2	50·0	56·6	-0·3	74	11	39	19	58·8	54·5	1·22	31	57	·50	12	8	8	0	0	0	0	0	0	0	5·41	83	32
Anglesey	Holyhead ¶§	18–7 7	26	59·4	51·7	55·5	+0·2	66	12	49	2,10,19	-	-	2·35	60	108	·70	12	16	6	0	0	0	0	1	0	0	6·10	85	36
Denbigh	Colwyn Bay ..	9 9 9	118	62·5	51·3	56·9	-0·2	70	11	44	19	-	-	1·12	28	53	·31	12	13	7	0	0	0	0	0	-	-	5·51	80	33
Carnarvon	Aber	9 9 9	60	61·7	50·7	56·2	-0·7	67	6,11	44	19,21	-	-	1·87	47	-	·61	3	14	9	0	0	0	1	-	0	0	4·90	76	29
	Llandudno ..	9 9 9	13	61·6	52·2	56·9	0·0	66	11,27	45	19	-	-	1·09	28	58	·32	11	11	6	0	0	0	1	0	0	0	5·41	77	32
Montgomery	Welshpool ..	9 9 9	254	66·1	45·9	56·0	-0·7	77	11	35	17	-	-	·97	25	44	·36	11	10	7	0	0	0	3	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	61·0	51·5	56·3	-0·2	69	11	43	18	-	-	2·23	57	-	·72	12	16	10	0	0	0	2	0	-	-	5·20	81	31
	,, P.B.S.†	9 9 9	452	63·0	49·4	56·2	+0·3	70	10	42	21	-	-	1·88	48	-	·55	12	14	11	0	0	0	2	1	0	0	5·16	73	31
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	1·29	33	-	·27	12	14	12	0	0	0	1	0	-	0	5·44	-	33
Pembroke	Haverfordwest ..	2121 9	233	62·4	48·5	55·5	0·0	71	10	41	21	-	-	1·32	34	-	·47	12	12	10	0	0	0	1	0	-	-	5·94	78	36
	St. Ann's Hd. ¶§	18–7 7	142	60·2	51·4	55·8	-0·1	65	10	46	18	-	-	·86	22	43	·23	12	12	9	0	0	0	2	3	-	0	5·53	76	34
Radnor	Llandrindod Wells	9 9 9	772	64·7	46·2	55·5	-	77	11	38	17,21	-	-	1·50	38	-	·39	11	13	9	0	0	0	0	0	-	0	4·37	-	26
	Rhayader ¶§	9 9 9	757	61·9	46·4	54·1	-0·2	71	10,11	37	3,18	-	-	1·89	48	73	·52	11	16	13	0	0	0	1	0	10	0	4·25	66	26
Brecknock	Cantref	9 9 9	1080	61·2	46·6	53·9	-	76	11	38	3	-	-	3·58	91	-	·81	8	18	15	0	0	0	1	1	-	-	5·24	-	32
Glamorgan	Cardiff	2121 9	203	66·9	50·4	58·7	+1·1	75	11	42	3	60·3	55·2	1·10	28	44	·37	12	13	8	0	0	0	0	0	0	0	6·06	81	37
	Swansea	9 9 9	32	65·5	52·4	58·9	0·0	75	10	46	2,18	63·3	57·6	1·50	38	-	·38	12	14	11	0	0	0	0	0	0	-	5·90	85	36
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	66·6	50·0	58·3	-0·7	75	11	43	3	60·5	55·0	1·73	44	-	·68	11	14	9	-	-	-	-	0	-	-	6·09	-	37
	Usk	9 9 9	70	67·1	46·4	56·7	-0·6	78	11	37	3,18	63·8	-	1·44	37	-	·75	11	8	7	0	0	0	3	0	0	0	6·16	78	37
Somerset	Bath .. ¶§	9 9 9	67	67·8	50·5	59·1	+0·5	79	11	42	3,8	62·7	57·8	1·19	30	52	·33	11,13	7	5	0	0	0	4	0	-	0	6·46	95	39
	Cannington ..	9 9 9	95	67·8	51·0	59·4	-	76	11	43	3,18	-	-	·59	15	-	·24	12	10	4	0	0	0	1	0	0	0	7·59	-	46
	Long Ashton ..	9 9 9	162	66·8	48·7	57·7	-0·8	77	10,11	39	3	-	-	1·41	36	56	·54	11	10	6	0	0	0	3	0	0	0	7·12	98	43

† Plant Breeding Station. ¶§ S *See* Notes on Tables on last page of this issue.

‖ On and after April 18th 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 JUNE, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
8b	ENGLAND, S.W.—*cont.*																													
Dorset	Holton Heath ..	9 9 9	64	66·7	48·9	57·8	+0·1	77	10	41	3	64·8	61·4	·40	10	–	·22	10	6	3	0	0	0	1	0	0	0	6·92	90	42
	Portland Bill ..	18–7 7	32	61·6	53·4	57·5	+0·4	74	10	47	3	–	–	·44	11	29	·17	10	6	3	0	0	0	1	0	–	0	–	–	–
	Shaftesbury ..	9 9 9	722	65·3	49·4	57·3	+0·6	76	11	42	3	–	–	·76	19	33	·28	10	9	8	0	0	0	1	–	–	–	–	–	–
Devon	Arlington ..	9 9 9	613	63·9	48·1	56·0	–0·1	70	10,11	39	3	–	–	1·81	46	55	·48	8	13	9	0	0	0	1	–	–	–	–	–	–
	Cullompton ¶§	9 9 9	202	68·8	49·3	59·1	+0·6	77	11	39	2	62·9	–	·75	19	35	·28	12	8	6	0	0	0	6	0	0	–	7·05	97	43
	Ilfracombe ..	9 9 9	25	63·2	54·4	58·8	+1·2	69	11	49	3	63·0	58·6	·89	23	43	·41	8	6	0	0	0	0	0	0	0	–	7·34	99	45
	Killerton ..	9 9 9	159	68·1	48·4	58·3	+0·4	75	10	39	2	–	–	·89	23	–	·32	12	7	5	–	–	–	–	0	0	–	–	–	–
	Moretonhampstead	9 9 9	798	62·5	48·5	55·5	–	70	10,11	42	3	57·9	53·0	1·45	37	–	·57	12	9	6	0	0	0	0	0	0	0	6·91	–	42
	Newton Abbot ..	9 9 9	375	66·5	49·9	58·2	–0·3	72	14	43	2,3	–	–	1·22	31	62	·35	18	8	7	0	0	0	3	0	0	–	6·13	85	38
	Paignton ..	9 9 9	12	65·7	52·0	58·9	+0·7	73	10	45	3,8	–	–	1·34	34	–	·47	22	6	5	0	0	0	2	0	0	–	7·27	94	47
	Plymouth (Hoe)	2121 9	117	65·0	51·7	58·3	+0·5	75	10	43	2	62·3	57·8	1·33	34	61	·58	8	10	6	0	0	0	1	0	0	0	6·80	92	42
	Plymouth (Mount Batten) ..	18–7 7	82	63·4	51·9	57·7	–0·2	73	10	43	2	–	–	1·58	40	–	·62	8	12	7	0	0	0	1	0	0	0	6·66	86	41
	Princetown ..	9 9 9	1430	61·0	46·5	53·7	–0·1	71	11	40	30	–	–	2·45	62	61	·96	8	12	8	0	0	0	0	0	0	–	–	–	–
	Sidmouth ..	9 9 9	25	65·4	51·5	58·5	+1·2	75	10	42	3	–	–	·70	18	–	·24	10	8	4	0	0	0	2	0	–	–	7·10	–	44
	Tavistock ..	9 9 9	457	65·0	48·4	56·7	–0·2	73	10	39	1	–	58·5	1·50	38	59	·40	8	15	9	0	0	0	1	0	2	0	–	–	–
	Teignmouth ..	9 9 9	20	66·1	53·0	59·5	+1·0	75	10	46	2,3	–	–	·93	23	48	·28	12	9	4	0	0	0	2	0	0	–	7·07	94	43
	Torquay	9 9 9	27	65·5	51·9	58·7	+0·3	74	10	45	3	–	58·5	1·77	45	94	1·10	22	7	5	0	0	0	2	0	0	0	7·24	92	44
Cornwall	Falmouth Obs. ¶§	9 9 9	167	65·0	52·5	58·7	+1·4	71	10	48	18	62·1	59·2	1·09	28	47	·30	12	9	6	0	0	0	1	1	0	–	6·97	92	43
	Fowey	9 9 9	51	65·6	51·0	58·3	+0·2	73	10	45	1,2	–	–	1·74	44	–	·47	12	11	9	0	0	0	1	0	–	–	6·02	80	37
	Gulval	9 9 9	20	65·2	52·3	58·7	+0·7	71	25,27	47	1,2,18	–	–	1·13	29	–	·31	12	10	7	0	0	0	1	–	0	–	6·49	89	40
	The Lizard ..	18–7 7	240	63·2	51·2	57·2	–	70	10	46	1	–	–	1·15	29	–	·31	12	9	8	0	0	0	2	0	–	0	–	–	–
	Newquay ..	9 9 9	190	62·6	53·1	57·9	+1·6	73	10	46	10	61·3	56·5	1·27	32	63	·26	6	10	7	0	0	0	1	0	–	0	6·73	91	41
	Redruth	9 9 9	397	63·6	50·9	57·3	+0·9	69	10	47	1,2,25	–	–	2·09	53	84	·43	12	13	10	0	0	0	0	0	0	0	–	–	–
9	IRELAND, N.																													
Sligo	Markree Cas. ¶§	2121 9	122	61·7	48·7	55·2	+0·3	73	12	36	10,24	58·3	53·5	1·83	46	60	·24	18,29	21	17	0	0	0	1	2	–	0	3·96	74	23
Mayo	Blacksod Pt. ¶	18–7 7	18	(60·7)	48·5	(54·6)	–0·7	64	12,13	42	9	–	–	2·79	71	100	·50	2	19	13	0	0	0	0	0	–	0	–	–	–
	Mallaranny §	9 9 9	113	61·5	50·5	56·0	+0·1	70	11	45	9	–	–	4·92	125	–	1·67	3	18	14	–	–	–	0	–	–	4·50	84	27
Donegal	Malin Head ¶§	18–7 7	84	57·2	49·8	53·5	+0·2	64	13	43	9	–	–	2·06	52	97	·50	3	18	15	0	0	0	0	0	–	0	3·15	55	18
Antrim	Aldergrove ..	18–7 7	238	61·6	48·5	55·1	–	69	10,11	39	2	–	–	2·99	76	125	·89	8	16	12	0	0	0	1	1	0	0	4·43	–	26
Down	†Donaghadee ..	8 8 8	30	60·2	48·9	54·5	+0·6	69	7	42	2	–	–	2·44	62	105	·63	13	17	11	–	–	–	–	1	–	–	5·48	–	32
	Hillsborough ..	9 9 9	388	60·6	48·0	54·3	–	68	10	42	2	56·3	–	2·49	63	–	·52	2	17	14	0	0	0	1	0	0	0	4·97	–	26
Armagh	Armagh .. ‖ ¶§	2121 9	204	63·5	48·7	56·1	+0·4	70	10	40	24	58·7	54·6	2·15	55	85	·52	5	16	13	0	0	0	0	1	0	0	3·73	67	22
Longford	Newtownforbes ..	2121 9	154	62·6	47·5	55·1	–0·2	69	10	40	9,24	56·6	53·5	1·89	48	73	·36	2	13	13	0	0	0	0	–	–	–	–	–	–
10	IRELAND, S.																													
Dublin	Dublin City .. ¶	2121 9	54	63·1	52·4	57·7	+0·2	68	27	48	2	–	–	1·12	28	57	·26	6	16	7	0	0	0	0	0	0	0	–	–	–
	,, Glasnevin ..	2121 9	55	64·3	49·2	56·7	+0·5	71	5	42	10	–	–	1·24	31	62	·28	6	14	9	0	0	0	0	0	0	0	–	–	–
	,, Phœnix Pk. §	2121 9	155	63·3	48·8	56·1	+0·8	69	27	43	10,24	–	–	1·31	33	67	·26	18	15	9	0	0	0	0	0	0	0	3·76	62	22
	,, Trin. Coll. ..	2121 9	13	63·9	51·9	57·9	+1·0	71	27	47	1,2,24	59·9	56·1	1·11	28	60	·26	6	15	8	0	0	0	0	–	0	0	–	–	–
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	63·2	48·1	55·7	–	69	10,11	41	2,25	58·1	55·9	·93	24	–	·15	2,7	14	8	–	–	–	–	0	–	–	3·65	–	22
	Rathfarnham ..	9 9 9	169	63·9	50·2	57·1	–	72	30	45	2,10,25	57·1	–	·94	24	–	·20	18	15	7	0	0	0	0	0	0	–	4·17	–	25
Wicklow	Newcastle ..	2121 9	256	63·6	49·3	56·5	+0·7	73	27	43	9	–	–	·82	21	–	·17	12	13	6	0	0	0	0	0	–	–	–	–	–
Offaly	Birr Castle ¶§	18–7 7	173	63·5	48·6	56·1	–0·3	70	10,12	40	9,10	56·9	53·2	2·05	52	88	·29	13	18	16	0	0	0	1	0	0	0	3·45	65	21
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	62·9	48·7	55·8	–0·4	70	10	44	9	–	–	1·00	25	–	·24	6	14	7	0	0	0	0	0	0	0	4·13	64	25
	Waterford ¶	9 9 9	137	63·8	50·6	57·2	–0·1	73	27	44	10	–	–	1·65	42	63	·43	7	12	8	0	0	0	0	2	–	0	–	–	–
Limerick	Foynes	9 9 9	43																											
Kerry	Valentia Obs. ¶§	242424	30	60·4	52·1	56·3	0·0	64	14	43	9	59·5	55·8	2·01	51	63	·37	4	16	10	0	0	0	0	0	0	0	5·52	96	33
		18–7 –	—	60·2	51·7	55·9	–0·6																							
Cork	Ballinacurra §	9 9 9	24	63·9	50·4	57·1	+0·8	70	10,30	41	9	–	–	1·11	28	43	·20	6	12	10	0	0	0	0	–	–	–	4·52	72	27
	Cork	9 9 9	57	65·4	50·8	58·1	+0·4	71	10,27,30	43	10	–	–	·68	17	27	·12	6	12	6	0	0	0	0	0	0	–	4·92	–	30
	Roche's Pt. ¶	18–7 7	22	62·7	52·2	57·5	+0·7	69	27	46	10	–	–	1·67	42	62	·28	11	18	10	0	0	0	0	1	–	0	–	–	–
11	CHANNEL ISLES AND SCILLY																													
Scilly	St. Mary's ¶§	18–7 7	163	62·8	53·3	58·1	+1·0	71	22	51	1,10,25	–	–	1·26	32	74	·43	8	11	6	0	0	0	0	1	–	0	8·10	110	50
Guernsey	St. Peter Port ¶§	18–7 7	175	64·4	52·5	58·5	+0·8	70	7	49	2,3,5	64·1	59·0	·62	16	34	·14	10	10	7	0	0	0	1	0	0	0	9·52	114	59
Jersey	St. Heliers ¶§	9 9 9	28	66·1	53·7	59·9	+0·8	76	11	49	3,20	–	–	·92	23	43	·31	11	8	4	0	0	0	0	0	–	–	10·03	125	62
GIBRALTAR		18–7 7	393	73·2	61·5	67·3	–3·2	80	15	58	11	–	–	·11	3	–	·10	8	2	1	0	0	0	0	0	0	0	–	–	–
MALTA		18–7 7	231	81·0	69·3	75·1	+2·6	89	11,12	64	1	–	–	·00	0	0	·00	–	0	0	0	0	0	0	0	–	0	10·97	98	72

¶§ § See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	67·2	61·5	64·4
	,,	18	69·3	62·0	64·9

TABLE III (*b*)—SKY OBSERVATIONS, JUNE, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	0
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	30 nights	23 nights
Average exposure (hours)	4·53	4·22
Polaris unobscured (per cent.)	57	53
8 Ursæ Minoris (ditto)	53	45

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 7th) ..	86·8
Mean	299

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

‖ On and after April 18th observations were taken one hour earlier than the times shown.

TABLE IV—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of JUNE, 1937

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													
												NO. OF OBSERVATIONS						NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
																		FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																	
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			G.M.T.	ft	mb	mb	°F	°F	mb	%																																
0 SCOTLAND N.			1	160	1012·5	-	48·2	0·9	10·6	93	8·4	0	2	4	11	13	0	0	0	0	4	0	1	11	14	0	2	4	8	15	1	6	1	2	0	7	2	7	4			
			7	160	1011·9	-2·6	49·2	1·3	10·7	90	8·4	0	1	2	19	8	0	0	1	0	0	2	1	9	17	0	2	5	8	14	1	6	2	2	0	4	5	3	7			
Shetlands	Lerwick		13	160	1011·9	-	51·3	1·8	11·1	87	8·0	0	1	5	17	7	0	1	0	0	0	3	1	2	23	0	4	8	6	12	0	4	3	1	0	7	6	3	6			
			18	160	1012·5	-	50·1	1·4	11·0	90	8·3	0	2	4	12	12	0	2	1	0	1	1	0	4	20	1	2	7	10	11	0	7	1	1	3	7	5	2	4			
			9	165	1012·9	-	51·7	2·2	11·2	85	7·1	0	3	8	15	4	0	0	0	0	0	0	3	7	18	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
Orkneys	Deerness		21	165	1013·6	-	49·5	1·4	10·6	89	7·3	0	3	8	12	7	0	0	2	0	0	0	4	3	21	0	-	-	-	-	-	-	-	-	-	-	-	-	-			
			1	83	1014·1	-	49·5	1·4	10·5	89	8·2	0	3	2	13	12	0	0	0	0	0	0	4	13	13	0	0	4	10	15	1	7	1	0	1	6	5	3	6			
			7	83	1013·8	-0·7	52·1	2·8	10·7	81	7·8	0	3	4	12	11	0	0	0	0	0	1	2	5	19	3	1	5	11	13	0	3	2	2	2	6	5	4	6			
Hebrides	Stornoway ..		13	83	1014·0	-	55·0	3·7	11·2	76	8·3	0	1	5	12	12	0	0	0	0	0	1	0	6	16	7	0	8	16	6	0	3	2	1	2	5	6	5	6			
			18	83	1014·1	-	54·0	3·5	11·0	77	8·4	0	3	2	13	12	0	0	0	0	0	0	3	4	15	8	0	2	20	7	1	4	3	1	0	4	7	5	5			
			1	79	1013·4	-	48·9	1·0	11·0	93	8·3	0	0	7	7	16	0	0	0	0	1	1	0	6	22	0	0	0	2	28	0	4	0	0	1	1	4	7	13			
			7	79	1013·0	-2·0	51·1	1·8	11·1	87	8·1	0	2	3	12	13	0	0	1	0	0	1	2	4	22	0	0	0	8	20	2	3	0	1	1	3	6	2	12			
Caithness	Wick		13	79	1013·2	-	54·6	3·1	11·8	80	7·7	0	3	4	13	10	0	0	0	0	0	0	1	5	23	1	0	1	9	20	0	1	1	1	3	6	4	3	11			
			18	79	1013·2	-	53·0	2·8	11·1	81	8·0	0	2	4	12	12	0	0	0	0	0	0	1	4	25	0	0	2	9	19	0	2	3	0	3	4	4	2	12			
			7	1180	972·5	-	49·7	2·9	9·7	79	8·2	0	3	3	8	16	0	0	0	0	0	0	3	15	12	0	0	1	7	22	0	4	5	0	1	3	11	4	2			
Inverness	Dalwhinnie†‖ ..		13	1180	972·5	-	55·5	5·6	9·5	65	8·5	0	2	3	8	17	0	0	0	0	0	0	1	12	17	0	0	0	14	16	0	2	4	0	0	3	12	5	4			
			18	1180	972·5	-	54·1	5·1	9·5	67	8·4	0	3	2	9	16	0	0	0	0	0	0	2	8	20	0	0	2	4	24	0	3	4	0	0	3	12	5	3			
			9	250	1015·6	-	54·6	2·8	12·1	81	5·3	0	6	18	4	2	0	0	0	0	0	0	2	0	4	24	0	0	4	25	1	0	3	1	2	4	10	2	7			
Inverness	Inverness		17	250	1014·5	-	57·5	3·3	12·6	79	5·1	0	9	16	5	0	0	0	0	0	0	0	0	0	2	28	0	1	8	21	0	0	5	1	2	1	7	5	9			
1 SCOTLAND, E.																																									
			7	85	1014·3	-1·3	53·5	3·5	10·7	78	7·3	0	5	3	19	3	0	0	0	0	0	1	4	9	15	1	0	0	8	20	2	3	2	2	0	5	6	3	7			
			13	85	1014·2	-1·5	58·1	5·4	11·2	69	7·0	0	6	5	12	7	0	0	0	0	0	0	2	9	17	2	0	2	13	15	0	3	3	0	3	10	2	0	9			
Aberdeen	Aberdeen H		18	85	1014·1	-1·4	57·3	5·3	10·9	69	6·1	0	9	5	13	3	0	0	0	0	1	0	2	6	19	2	0	0	9	21	0	7	4	1	0	9	2	1	6			
			21	85	1014·6	-1·4	53·7	3·5	10·8	77	6·0	0	11	3	12	4	0	0	0	0	0	1	2	9	18	0	0	0	2	24	4	4	2	0	1	7	2	1	9			
			h.*	85	1014·2	-1·5	54·7	4·1	10·9	75																																
Aberdeen	Braemar‡		9	1108	1014·4	-	53·5	4·7	9·5	69	7·5	3	2	3	8	14	0	0	0	0	0	2	14	4	10	0	0	3	1	26	0	2	3	3	0	1	6	10	5			
			9	482	1014·3	-	56·4	5·3	10·3	67	7·1	0	5	6	10	9	-	-	-	-	-	-	-	-	-	-	0	1	6	23	0	4	3	2	2	3	4	9	3			
Perth	Crieff		21	482	1014·3	-	53·3	3·3	10·7	78	7·6	1	3	4	11	11	-	-	-	-	-	-	-	-	-	-	0	1	2	27	0	3	1	4	0	2	5	12	3			
			1	184	1015·5	-	51·5	1·0	11·8	93	6·5	0	5	8	14	3	0	0	0	0	0	0	0	8	22	0	1	0	10	19	0	2	2	3	0	2	16	2	3			
			7	184	1015·5	-	51·4	1·1	11·7	92	7·9	0	0	6	18	6	0	1	0	0	0	0	5	7	17	0	0	1	6	23	0	1	2	3	0	1	17	4	2			
Fife	Inchkeith		13	184	1015·0	-	57·1	2·5	13·4	85	7·4	0	3	6	18	3	0	0	0	0	0	0	0	2	28	0	0	1	10	19	0	1	2	3	2	2	18	2	0			
			18	184	1014·6	-	57·1	2·8	13·1	83	7·8	0	2	2	22	4	0	0	0	0	0	0	0	2	28	0	1	0	10	19	0	0	5	5	0	2	15	3	0			
			7	36	1015·1	-	53·3	3·1	11·1	79	7·2	0	4	6	15	5	0	0	0	0	0	0	3	6	11	10	0	0	6	23	1	1	3	1	0	1	11	8	4			
Fife	Leuchars.. H		13	36	1014·7	-	60·4	6·0	11·9	67	7·6	0	5	3	13	9	0	0	0	0	0	0	3	4	16	7	0	0	8	22	0	1	2	4	3	4	8	5	3			
			18	36	1014·5	-	59·5	6·0	11·4	66	6·7	1	4	8	10	7	0	0	0	0	0	0	1	5	12	12	0	1	9	19	1	1	2	6	2	4	4	7	3			
			9	441	1015·6	-	55·2	4·4	10·6	71	7·7	0	2	6	14	8	0	1	0	0	0	2	13	11	3	0	0	1	10	19	0	3	3	1	0	4	6	5	8			
Mid Lothian	Edinburgh .. (Blackford Hill)		21	441	1015·6	-	53·0	3·1	10·8	79	7·5	1	4	5	8	12	0	1	1	1	1	1	14	4	7	0	1	3	3	20	3	0	3	1	1	4	3	13	2			
6a SCOTLAND, W.																																									
			7	40	1015·0	-	52·7	2·2	11·7	85	7·9	1	2	3	14	10	0	0	0	0	0	1	6	5	9	9	0	2	12	15	1	8	2	0	2	5	4	4	4			
Argyll	Tiree		13	40	1015·5	-	56·5	3·8	12·1	77	7·2	0	3	6	15	6	0	0	0	0	0	0	4	4	16	6	0	1	16	13	0	8	0	0	4	6	6	6			
			18	40	1015·5	-	54·7	3·3	11·6	79	7·6	0	4	4	15	7	0	0	1	0	0	0	7	1	10	11	0	1	17	12	0	7	1	0	1	2	7	5	7			
			9	187	1015·6	-	54·7	2·9	12·0	81	7·0	0	4	6	15	5	0	0	0	0	0	1	10	2	17	0	0	2	19	7	2	2	0	4	1	8	2	3	8			
Bute	Rothesay		21	187	1015·4	-	51·9	2·0	11·4	86	6·8	0	6	5	12	7	0	1	1	0	0	0	5	3	20	0	0	1	14	12	3	4	0	2	0	2	4	3	12			
			7	24	1015·5	-	53·6	2·5	11·7	83	7·2	1	5	4	10	10	0	0	0	0	0	2	10	4	7	7	0	0	6	23	1	0	2	2	0	5	8	8	4			
Renfrew	Renfrew .. .. (Abbotsinch)		13	24	1015·2	-	61·1	6·5	11·6	63	7·4	0	4	4	14	8	0	0	0	0	0	0	5	4	5	16	0	2	15	13	0	0	2	2	0	2	6	11	7			
			18	24	1015·1	-	58·7	5·0	12·0	71	7·0	0	6	6	10	8	0	0	0	0	0	1	6	2	7	14	0	1	15	14	0	1	0	2	1	2	6	12	6			
			7	778	1015·9	-	51·3	2·7	10·6	82	7·9	0	4	3	11	12	0	0	1	0	0	1	7	6	15	0	0	0	7	21	2	4	4	1	1	4	5	4	5			
			13	778	1015·3	-	57·7	5·0	11·5	71	8·4	0	0	7	8	15	0	0	0	0	1	0	8	8	13	0	0	1	13	15	1	3	4	0	1	5	8	5	3			
Dumfries	Eskdalemuir‡‡ H		18	778	1015·1	-	56·8	4·6	11·5	72	7·0	0	6	5	12	7	0	2	0	0	0	1	4	4	19	0	0	1	13	16	0	1	5	0	0	4	7	9	4			
			21	778	1016·0	-	51·4	2·4	10·9	84	6·7	0	6	8	4	12	0	1	0	0	0	2	7	4	14	2	0	0	9	18	3	5	2	1	0	4	6	6	3			
			h.*	778	1015·7	-	52·9	3·3	10·8	79																																
6b ISLE OF MAN																																									
Isle of Man	Douglas .. H		9	286	1017·2	+0·9	54·6	2·6	12·3	83	6·7	0	2	11	15	2	0	0	2	0	0	3	6	9	10	0	0	9	17	4	0	1	3	2	4	5	3	5	7			
			7	31	1016·6	-	54·0	1·4	12·9	91	7·3	0	6	1	15	8	0	0	0	0	0	0	1	8	21	0	0	1	10	15	4	3	3	1	1	2	4	6	6			
Isle of Man	Point of Ayre ..		13	31	1016·8	-	59·3	2·8	14·2	83	6·9	0	9	0	11	10	0	0	0	0	0	0	1	7	22	0	0	2	16	12	0	2	2	1	2	2	2	6	13			
			18	31	1016·5	-	57·9	2·3	14·1	85	6·2	0	10	3	10	7	0	1	0	0	0	0	1	4	24	0	0	1	17	11	1	4	1	1	0	0	4	8	11			
2 ENGLAND, N.E.																																									
			9	331	1015·7	-	56·3	3·8	11·6	76	8·2	0	3	2	8	17	0	0	0	0	0	1	5	2	17	5	0	0	4	25	1	3	2	1	2	5	5	9	2			
Northumberland	Cockle Park ..		21	331	1016·0	-	52·4	2·1	11·3	85	8·2	0	4	1	7	18	0	0	0	0	1	7	15	1	4	2	0	0	8	14	8	4	0	0	0	3	6	5	4			
			1	122	1016·1	-	53·0	1·9	12·0	87	7·3	0	3	8	10	9	0	0	0	1	0	0	9	16	4	0	0	0	2	28	0	4	0	1	2	1	6	12	4			
			7	122	1015·8	0·0	53·6	2·7	11·7	82	7·2	0	5	8	10	7	0	0	0	1	0	1	9	12	7	0	0	0	3	27	0	5	2	0	1	3	4	11	4			
Northumberland	Tynemouth ..		13	122	1015·8	-	57·8	4·2	12·3	75	7·6	0	2	8	11	9	0	0	0	0	0	1	7	10	12	0	0	0	9	21	0	4	7	1	4	3	2	8	1			
			18	122	1015·6	-	57·1	3·8	12·1	77	7·2	0	4	8	10	8	0	0	0	0	0	0	10	7	13	0	0	0	4	26	0	5	3	1	4	5	3	7	2			

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 973·7 mb.
‡‡ Mean pressures at Station Level are 987·5 mb. at 7 h., 987·3 mb. at 13 h., 987·0 mb. at 18 h., and 987·6 mb. at 21 h.

‖ Observations taken at 17h instead of 18h G.M.T. on Sundays during Summer Time

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, 1937

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								
												NO. OF OBSERVATIONS*					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION				
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY										
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																									
2 ENGLAND, N.E.—*cont.*																																			
Durham	Durham		9	352	1016·4	-	56·7	4·0	11·6	75	7·7	2	4	2	3	19	0	0	0	0	0	6	2	11	11	0	0	0	2	25	3	7	1	1	0	7	1	5	5
			21	352	1016·4	-	54·1	2·4	12·0	84	7·0	2	4	5	4	15	0	0	0	0	2	7	5	10	6	0	0	0	1	21	8	4	1	2	1	4	2	7	1
Yorks., N. Riding	Catterick ..	H	7	186	1016·4	-	54·4	3·0	11·7	81	7·0	0	7	2	14	7	0	0	0	0	1	2	4	8	15	0	0	0	4	25	1	4	1	0	2	5	5	4	8
			13	186	1016·1	-	61·1	6·0	12·3	67	8·5	0	2	1	17	10	0	0	0	0	0	0	6	12	9	3	0	0	6	23	1	4	5	1	0	3	8	5	3
			18	186	1015·7	-	60·3	5·0	12·9	72	7·6	0	5	5	13	7	0	0	0	0	0	1	5	13	8	3	0	0	7	20	3	1	5	2	1	2	4	10	2
Yorks., N. Riding	Scarborough ..		9	96	1016·1	-	59·6	5·2	12·2	72	4·7	0	17	5	6	2	0	0	1	0	1	1	10	10	7	0	0	1	5	24	0	2	0	1	1	1	9	5	11
	York		9	53	1017·2	-	58·6	5·1	11·9	70	7·7	2	3	2	11	12	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	9	1	0	0	8	1	9	2
			21	53	1017·1	-	56·8	3·7	12·2	77	5·8	2	11	3	2	12	-	-	-	-	-	-	-	-	-	-	0	0	0	29	1	6	0	1	0	4	0	15	3
Yorks., E. Riding	Spurn Head ..		1	28	1016·4	-	53·6	1·3	13·0	91	6·8	0	7	5	7	11	0	0	0	0	1	1	3	22	3	0	0	2	14	12	2	3	3	1	0	4	1	9	7
			7	28	1016·7	+0·8	54·9	1·9	12·9	87	6·8	1	5	6	9	9	0	0	0	1	2	0	11	13	3	0	0	2	10	17	1	2	3	0	1	1	6	7	9
			13	28	1016·9	-	60·0	3·8	13·7	78	7·9	0	2	4	15	9	0	0	0	0	2	1	4	18	5	0	0	1	9	20	0	3	3	6	5	2	4	4	3
			18	28	1016·3	-	57·5	2·4	14·0	85	7·7	0	2	8	12	8	0	0	0	0	1	1	6	15	7	0	0	1	12	17	0	6	3	2	6	3	4	3	3
Lincoln	†Cranwell ..	H	7	208	1017·4	-	54·4	2·4	12·3	84	6·8	1	5	6	11	7	0	0	0	1	0	2	14	8	4	1	0	0	2	25	3	1	0	0	1	2	9	7	7
			13	208	1017·1	-	62·8	6·5	12·8	66	8·5	0	2	1	20	7	0	0	0	0	0	1	2	9	15	3	0	0	7	23	0	2	2	2	1	6	5	7	7
			18	208	1016·6	-	61·8	5·9	12·7	67	7·6	0	3	4	16	7	0	0	0	0	0	0	3	9	14	4	0	0	4	26	0	2	4	1	4	3	5	7	4
3 ENGLAND, E.																																			
Norfolk	Cromer ..	H	9	74	1016·7	-	59·2	4·1	13·1	76	6·2	0	1	19	6	4	0	0	0	1	0	0	27	2	0	0	0	0	9	21	0	9	1	2	0	5	0	5	8
			1	26	1017·1	-	54·0	2·0	12·3	87	5·9	3	6	6	11	4	0	0	1	0	0	0	8	20	1	0	0	0	0	30	0	4	0	1	0	6	8	9	2
Norfolk	Yarmouth.. ..		7	26	1017·3	+1·3	56·1	2·6	12·8	84	6·5	1	3	10	10	6	0	0	0	1	0	0	22	5	0	0	0	0	4	25	1	1	1	0	3	0	7	13	4
			13	26	1017·3	-	60·8	4·3	13·8	75	6·9	0	3	10	15	2	0	0	0	0	0	2	16	13	0	0	0	1	11	18	0	5	4	1	8	1	2	5	4
			18	26	1016·9	-	60·0	4·2	13·1	75	7·1	0	4	9	10	7	0	0	0	0	0	0	24	6	0	0	0	0	8	22	0	6	3	3	6	1	4	4	3
Suffolk	Felixstowe Aero.		7	20	1018·0	-	56·2	3·2	12·2	80	6·6	1	5	6	12	6	0	0	0	1	1	0	7	10	10	1	0	0	2	22	6	4	1	1	1	0	2	7	8
			13	20	1017·9	-	62·5	6·8	12·0	62	7·5	0	3	5	15	7	0	0	0	0	1	0	3	13	12	1	0	0	9	21	0	1	4	3	5	4	3	8	2
			18	20	1017·3	-	60·9	5·2	12·8	71	6·9	2	4	3	15	6	0	0	0	0	0	0	6	10	12	2	0	0	5	25	0	3	4	3	6	2	5	5	2
Suffolk	Mildenhall ..		7	21	1017·7	-	55·7	2·5	12·9	85	6·9	1	6	4	14	5	0	0	0	0	0	2	11	9	8	0	0	0	5	23	2	2	1	1	1	2	6	9	6
			13	21	1017·4	-	64·3	7·1	13·1	64	7·9	0	3	4	16	7	0	0	0	0	0	1	1	9	19	0	0	0	13	17	0	3	3	2	0	3	6	9	4
			18	21	1016·7	-	63·7	6·2	13·6	68	6·3	1	7	4	15	3	0	0	0	0	0	0	3	4	22	1	0	0	11	19	0	2	4	3	3	2	5	6	5
Cambridge	Cambridge	H	9	43	1018·0	+1·5	61·3	5·6	12·8	68	6·5	1	9	3	10	7	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	5	4	0	1	1	12	1	6
Hertford	Rothamsted ..		21	43	1018·2	+1·7	56·7	2·8	13·1	82	5·7	7	4	2	10	7	-	-	-	-	-	-	-	-	-	-	0	0	3	19	8	4	2	1	2	0	6	4	3
			9	396	1017·5	-	58·6	4·9	12·1	71	6·8	0	6	8	10	6	0	0	0	0	0	2	28	0	0	0	0	0	1	29	0	2	3	1	1	6	4	6	7
Essex	Shoeburyness	H	7	12	1018·2	-	57·3	3·2	13·0	80	6·6	2	6	3	14	5	0	0	0	0	1	1	9	6	13	0	0	0	0	30	0	4	3	1	0	2	4	5	11
			13	12	1018·0	-	64·2	6·6	13·4	65	8·1	0	3	2	19	6	0	0	0	0	0	0	7	4	19	0	0	0	4	26	0	2	4	4	5	2	4	3	6
			18	12	1017·4	-	62·5	5·4	13·7	71	6·5	1	4	7	17	1	0	0	0	0	0	1	2	5	19	3	0	0	6	24	0	2	4	4	3	3	6	2	6
4 MIDLAND COUNTIES																																			
Yorks., W. Riding	Harrogate.. ..		9	478	1017·0	-	57·1	4·6	11·4	71	7·5	1	6	0	15	8	0	0	0	1	0	5	3	9	5	7	0	0	3	27	0	5	3	2	0	4	12	3	1
Nottingham	Nottingham ..		9	215	1016·9	-	59·1	5·7	11·3	67	7·4	0	3	10	6	11	0	0	0	0	1	2	21	6	0	0	0	0	1	29	0	4	0	3	0	3	3	13	4
Warwick	Birmingham	H	7	542	1018·1	-	53·7	2·4	11·9	84	7·3	2	3	4	14	7	0	0	0	0	5	2	11	5	7	0	0	0	1	28	1	5	3	1	0	4	6	2	9
			13	542	1017·7	-	61·3	6·4	12·0	65	7·8	0	3	3	17	7	0	0	0	0	0	1	5	6	18	0	0	0	5	25	0	4	1	3	1	4	5	2	10
			18	542	1017·3	-	61·3	6·3	12·1	65	7·4	0	3	8	14	5	0	0	0	0	0	0	7	6	17	0	0	0	5	25	0	8	2	2	0	2	6	3	7
Oxford	Oxford		9	212	1018·6	+1·6	59·7	5·4	12·0	69	6·9	0	7	4	11	8	0	0	0	0	0	1	5	9	14	1	0	0	2	28	0	2	4	0	1	3	7	6	7
Shropshire	Shrewsbury	H	9	186	1017·9	-	58·3	4·0	12·7	76	7·9	0	0	9	10	11	0	0	0	0	0	0	4	0	26	0	0	0	6	20	4	0	0	2	1	6	0	11	6
Hereford	Ross-on-Wye	H	7	226	1018·0	-	54·8	2·7	12·2	82	7·2	1	5	4	14	6	0	0	0	0	0	1	1	14	14	0	0	0	1	28	1	1	1	0	0	3	12	6	5
			13	226	1017·6	-	63·3	6·8	12·3	63	7·3	0	2	8	15	5	0	0	0	0	0	0	2	7	18	3	0	0	9	21	0	4	1	2	1	2	7	9	4
			18	226	1017·1	-	62·7	6·6	12·6	65	7·1	0	6	2	17	5	0	0	0	0	0	0	2	6	20	2	0	0	8	22	0	5	0	3	0	1	8	6	7
			21	226	1017·8	-	57·1	3·6	12·5	78	5·1	0	15	1	9	5	0	0	0	0	0	0	3	6	19	2	0	0	3	25	2	2	2	2	1	2	10	6	3
Gloucester	Cheltenham	H	9	230	1018·7	-	60·2	5·0	12·5	70	7·2	0	1	11	13	5	0	0	0	0	0	2	0	20	8	0	0	0	0	30	0	1	0	0	0	1	7	13	8
			21	230	1018·6	-	57·8	3·1	13·2	81	6·5	1	1	11	14	3	0	0	0	0	0	0	2	23	5	0	0	0	0	30	0	1	0	0	0	1	9	11	8
5 ENGLAND, S.E.																																			
London	*g* Greenwich	H	9	152	1018·4	+1·5	61·3	5·7	12·7	68	6·9	0	6	3	17	4	0	0	0	0	1	0	15	13	1	0	0	0	5	22	3	5	2	1	1	7	5	5
			15	152	1017·4	+1·2	67·3	8·5	13·3	58	7·3	0	3	7	16	4	0	0	0	0	0	0	6	12	12	0	0	0	12	16	2	4	2	3	1	2	7	3	6
			21	152	1018·1	+1·3	58·3	3·8	12·9	77	6·3	3	8	0	10	9	0	0	0	0	0	0	21	5	4	0	0	0	7	22	1	5	2	3	2	2	8	3	4
			h.*	152	1017·9	+1·2	59·8																														
London	Kew Obs'y.	H	7	34	1018·6	+1·6	56·9	3·5	12·4	78	6·7	1	7	3	14	5	0	0	0	0	0	2	16	4	8	0	0	0	0	29	1	1	1	1	1	2	8	9	6
			13	34	1018·0	+1·5	65·3	8·1	12·5	58	7·8	0	1	9	14	6	0	0	0	0	0	0	1	10	19	0	0	0	5	25	0	5	4	0	2	3	8	5	5
			18	34	1017·3	+1·2	65·7	8·4	12·5	58	7·3	1	3	6	15	5	0	0	0	0	0	0	2	10	18	0	0	0	3	27	0	3	2	2	0	1	7	7	8
			21	34	1018·2	+1·4	60·1	4·4	13·3	74	6·8	1	7	3	11	8	0	0	0	0	0	0	9	10	11	0	0	0	1	27	2	2	3	1	2	3	7	4	6
			h.*	34	1018·1	+1·4	60·4	5·4	12·8	71																												
London	Kensington ..		9	66	1018·4	-	60·9	6·0	12·0	66	6·7	0	6	4	15	5	0	0	0	0	1	2	20	2	4	1	0	0	2	28	0	4	2	2	0	2	7	8	9
			15	—	-	-	66·8	8·8	12·5	56	7·0	1	4	3	19	3	-	-	-	-	-	-	-	-	-	-	0	0	1	29	0	5	5	2	0	5	9	3	9
			18	—	-	-	66·1	8·8	12·1	55	7·2	1	3	6	14	6	-	-	-	-	-	-	-	-	-	-	0	0	0	28	0	2	5	2	0	3	5	11	4
			1	225	1018·4	-	53·9	2·1	12·3	86	4·8	8	5	5	7	5	0	0	0	0	0	1	9	11	9	0	0	0	1	21	8	3	0	1	2	2	9	3	6
Surrey	Croydon ..	H	7	225	1018·5	-	56·0	3·2	12·2	80	7·2	1	6	1	17	5	0	0	0	0	0	1	14	8	7	0	0	0	1	26	3	0	1	0	2	3	5	9	3
			13	225	1017·9	-	65·6	8·6	12·1	57	7·8	0	1	7	18	4	0	0	0	0	1	0	2	6	19	2	0	0	0	22	1	2	3	2	1	2	4	13	4
			18	225	1017·4	-	64·3	7·9	12·3	60	7·1	1	4	3	20	2	0	0	0	0	1	0	3	8	17	1	0	0	0	22	1	2	3	3	0	1	2	7	5
Surrey	Wisley		9	85	1018·1	-	61·2	5·7	12·5	68	6·8	0	6	5	13	6	0	0	0	0	0	1	0	10	20	0	0	0	0	22	1	3	3	1	0	2	3	8	6

* Mean of hourly readings.

g Temperature from thermometers on a Glaisher stand.

† New site as from December 9th, 1936.

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS												FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																				
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
5 ENGLAND, S.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																																	
Kent	Biggin Hill	H	7	572	1018·5	-	54·8	3·1	11·8	80	6·9	1	7	2	14	6	0	0	0	1	0	2	16	7	4	0	0	0	1	26	3	1	3	0	1	2	6	7	7				
			13	572	1017·9	-	63·1	7·4	12·0	61	7·7	0	3	5	15	7	0	0	0	0	1	0	4	12	13	0	0	0	6	24	0	1	3	1	0	5	6	7	7				
			18	572	1017·5	-	61·3	6·4	12·0	65	6·6	1	6	4	16	3	0	0	0	0	0	2	6	8	11	3	0	1	7	21	1	4	4	1	0	3	8	7	2				
Kent	Dungeness	..	7	—	-	-	56·3	2·2	13·3	86	6·2	4	3	5	15	3	0	1	0	0	1	1	17	10	0	0	0	0	0	28	2	6	4	1	1	3	6	6				
			13	—	-	-	62·0	4·5	14·1	74	6·4	0	7	7	13	3	0	0	0	0	0	0	23	7	0	0	0	0	9	21	0	0	2	3	2	4	14	3	2				
			18	—	-	-	60·3	3·6	14·1	79	5·9	0	9	7	12	2	0	0	0	0	0	0	10	20	0	0	0	1	8	19	2	0	4	3	1	2	12	4	2				
Kent	Lympne ..	H	1	345	1018·6	-	52·1	1·8	11·8	88	4·7	5	8	7	5	5	0	0	0	0	1	0	11	11	6	1	0	0	0	29	1	5	2	2	1	1	7	4	7				
			7	345	1018·6	-	55·5	2·7	12·5	83	7·0	2	4	3	15	6	0	0	0	0	2	2	9	10	6	1	0	0	4	24	2	7	2	0	2	0	4	3	10				
			13	345	1018·4	-	62·3	5·7	13·4	70	7·0	0	5	5	15	5	0	0	0	0	0	0	7	10	12	1	0	0	8	22	0	3	2	1	7	4	7	1	5				
			18	345	1018·0	-	60·9	5·1	13·1	71	5·8	1	9	4	12	4	0	0	0	0	0	0	4	8	16	2	0	0	8	22	0	4	3	3	2	2	10	4	2				
Kent	Manston		1	141	1017·8	-	54·3	2·5	12·1	84	4·5	6	7	8	6	3	0	0	0	0	0	0	2	9	9	1	0	0	6	23	1	4	3	0	2	2	4	7	7				
			7	141	1017·9	-	56·8	3·4	12·5	79	6·6	1	5	4	17	3	0	0	0	0	0	0	8	13	7	2	0	0	2	24	4	2	3	3	1	1	7	7	2				
			13	141	1017·9	-	62·7	6·7	12·5	64	6·6	0	7	5	13	5	0	0	0	0	0	1	5	11	12	1	0	0	10	20	0	6	3	3	5	1	4	1	7				
			18	141	1017·2	-	62·0	6·0	12·9	68	6·5	1	5	5	16	3	0	0	0	0	0	0	6	11	11	2	0	0	11	18	1	6	2	2	3	4	7	3	2				
Kent	Tunbridge Wells ..		9	407	1018·6	-	60·3	4·5	13·2	74	5·8	1	6	9	10	4	0	0	0	0	0	0	4	16	10	0	0	1	1	28	0	2	2	1	0	2	8	8	7				
Sussex	Brighton ..	H	9	48	1019·0	-	60·4	5·7	12·1	68	6·6	3	5	6	3	13	0	0	0	0	1	0	4	11	14	0	0	0	2	28	0	3	2	0	3	4	4	4	10				
Sussex	Hastings ..	H	9	154	1018·0	-	60·1	4·6	13·1	74	5·0	2	7	12	6	3	0	0	0	0	1	4	17	6	2	0	0	0	0	26	4	0	6	0	5	3	6	1	5				
			21	154	1017·8	-	57·8	3·2	13·2	80	5·1	6	6	4	10	4	0	0	0	0	0	8	12	10	0	0	0	0	1	19	10	0	2	0	1	0	9	1	7				
Hampshire	Calshot		7	15	1018·7	-	55·9	2·5	12·8	84	7·0	1	5	3	17	4	0	1	0	0	0	0	11	12	6	0	0	0	3	27	0	5	0	2	1	1	5	3	13				
			13	15	1018·6	-	64·7	6·8	13·4	64	6·7	0	5	8	13	4	0	0	0	0	0	0	3	7	20	0	0	0	12	18	0	2	2	0	2	8	9	1	6				
			18	15	1017·9	-	63·5	5·5	14·2	71	5·9	0	8	7	13	2	0	0	0	0	0	0	3	9	18	0	0	0	13	17	0	2	2	1	1	4	13	2	5				
Hampshire	Southampton ..		9	84	1018·8	+1·7	61·9	6·2	12·4	65	6·3	0	5	12	7	6	0	0	0	0	0	0	0	3	26	1	0	0	11	18	1	1	4	0	3	0	6	2	13				
			21	84	1018·7	+1·7	59·6	3·9	13·4	77	6·2	0	7	8	4	11	0	0	0	0	0	0	4	6	20	0	0	0	3	25	2	1	5	1	2	0	11	1	7				
Hampshire	S. Farnborough	H	7	256	1018·6	-	54·6	2·4	12·4	85	6·9	0	6	4	14	6	0	0	0	0	0	0	3	12	6	9	0	0	0	2	22	6	1	1	1	0	2	3	10	6			
			13	256*	1017·9	-	65·6	8·4	12·5	58	7·3	0	2	6	21	1	0	0	0	0	0	0	3	14	13	0	0	0	8	22	0	1	2	2	0	3	6	9	7				
			18	256	1017·4	-	63·7	6·8	12·9	64	6·9	0	5	6	17	2	0	0	0	0	0	0	3	14	13	0	0	0	7	22	1	2	2	3	0	1	9	6	6				
I. of Wight	Ventnor (Hosp.)		9	80	1018·3	-	60·9	4·4	13·6	75	5·3	0	12	6	8	4	-	-	-	-	-	-	-	-	-	-	0	0	2	28	0	2	4	1	2	1	3	9	8				
			15	80	1018·2	-	62·9	4·5	14·8	75	5·8	1	7	10	9	3	-	-	-	-	-	-	-	-	-	-	0	1	8	21	0	1	3	2	2	0	2	20	0				
Wiltshire	Amesbury H (Boscombe Down)		7	420	1018·7	-	53·3	2·0	12·2	87	6·9	1	6	3	12	8	0	0	0	0	0	1	8	19	2	0	0	0	1	28	1	5	2	0	4	4	4	5	5				
			13	420	1018·2	-	63·7	7·7	12·0	59	7·4	0	2	7	15	6	0	0	0	0	0	0	0	20	10	0	0	0	3	27	0	5	1	0	2	3	7	6	6				
			18	420	1017·6	-	62·5	6·0	12·7	65	6·9	0	6	5	17	2	0	0	0	0	0	0	0	14	16	0	0	0	5	23	2	4	1	1	0	5	5	7	5				
Wiltshire	Larkhill ..	H	9	444	1018·3	-	58·8	4·9	12·1	72	7·5	0	2	8	16	4	0	0	0	0	0	0	0	6	24	0	0	0	9	21	0	6	2	2	0	3	6	6	5				
			13	444	1018·1	-	63·9	8·0	11·9	58	7·2	0	3	8	14	5	0	0	0	0	0	0	0	4	26	0	0	0	10	20	0	5	1	1	0	4	9	6	4				
			15	444	1017·7	-	64·1	7·8	11·8	59	7·2	0	2	8	16	4	0	0	0	0	0	0	0	6	24	0	0	0	11	18	1	4	1	1	0	2	10	6	5				
7a ENGLAND, N.W.																																										
Lancashire	Hutton		9	86	1015·3	-	58·6	3·9	12·8	76	6·8	0	5	5	20	0	-	-	-	-	-	-	-	-	-	-	0	0	0	24	6	2	0	0	2	2	5	1	12				
Lancashire	Manchester H (Barton)		7	83	1017·3	-	53·9	2·2	12·0	86	7·1	1	5	4	13	7	0	0	1	3	3	7	6	7	3	0	0	0	4	23	3	2	1	3	1	9	1	7	3				
			13	83	1017·3	-	61·0	5·6	12·8	70	8·6	0	0	4	15	11	0	0	0	0	1	2	5	10	11	1	0	0	16	13	1	3	0	1	3	7	9	6				
			18	83	1016·9	-	60·1	4·8	13·0	72	7·4	1	4	4	12	9	0	0	0	1	0	3	4	8	13	1	0	0	12	18	0	1	1	0	1	1	4	6	16				
Lancashire	Manchester (Whitworth Pk.)		9	127	1017·4	-	57·7	4·4	11·9	73	7·9	1	3	3	12	11	-	-	-	-	-	-	-	-	-	-	0	0	1	29	0	2	0	2	3	4	5	6	8				
			21	127	1016·9	-	57·2	3·4	12·6	79	6·1	4	7	2	6	11	-	-	-	-	-	-	-	-	-	-	0	0	2	28	0	2	1	4	1	3	2	8	9				
Lancashire	Southport* H (Bedford Rd. Park)		9	37	1017·5	+0·7	58·4	4·4	12·5	74	7·8	0	4	3	10	13	0	0	0	0	0	6	1	3	16	4	0	1	11	17	1	3	0	0	2	6	2	4	12				
			15	37	1017·5	-	60·5	5·3	12·7	70	7·0	1	5	4	11	9	0	0	0	0	0	4	0	7	18	1	0	3	17	8	2	2	0	0	0	1	4	8	13				
			21	37	1017·6	+0·8	56·4	3·0	12·7	81	6·4	1	9	3	8	9	0	0	0	0	0	5	1	10	14	0	0	1	12	15	2	4	1	1	1	1	3	6	11				
Lancashire	Stonyhurst ..		9	381	1017·4	-	56·8	4·1	11·7	74	8·3	0	0	3	17	10	0	0	0	0	0	2	11	2	15	0	0	0	12	18	0	3	1	2	0	4	3	12	5				
			21	381	1017·3	-	54·4	2·2	12·3	85	6·8	0	8	3	9	10	0	0	0	0	2	3	2	17	6	0	0	0	1	25	4	0	2	2	0	1	3	13	5				
Cheshire	Bidston Obs'y. ..		9	202	1017·8	-	56·7	3·6	12·1	77	8·2	0	1	5	12	12	0	0	1	0	2	4	5	12	4	2	0	1	8	19	2	2	1	0	1	6	2	6	10				
7b NORTH WALES.																																										
Flint	Sealand ..	H	7	19	1017·4	-	54·7	2·7	12·1	82	8·2	0	2	3	14	11	0	0	0	0	2	4	7	10	7	0	0	0	7	21	2	0	0	2	6	3	2	7	8				
			13	19	1017·4	-	60·7	5·7	12·3	68	8·1	0	3	2	15	10	0	0	0	0	0	1	2	7	20	0	0	1	15	14	0	1	0	0	3	4	4	5	13				
			18	19	1017·0	-	59·7	5·1	12·4	70	7·3	1	5	3	10	11	0	0	0	0	0	1	2	4	22	1	0	0	12	18	0	2	0	0	0	2	4	6	16				
Anglesey	Holyhead ..	H	1	29	1017·5	-	53·4	1·8	12·3	88	6·8	0	7	4	10	9	0	0	0	1	0	2	1	3	23	0	0	0	12	16	2	5	1	1	1	1	10	2	7				
			7	29	1017·3	+1·0	53·9	1·8	12·5	88	8·1	0	3	2	15	10	0	0	0	1	0	0	5	6	16	2	0	0	2	11	17	0	6	2	1	1	1	7	2	10				
			13	29	1017·8	-	57·1	3·0	13·0	82	7·3	0	6	3	12	9	0	0	0	0	2	1	3	3	13	8	0	0	11	19	0	6	0	0	0	1	8	3	12				
			18	29	1017·4	-	56·5	3·2	12·5	80	6·2	0	9	4	9	8	0	0	1	0	1	0	2	3	15	8	0	0	10	17	3	5	2	0	0	1	11	5	3				
Carnarvon	Llandudno ..		9	33	1017·8	-	57·5	3·5	12·6	78	6·7	0	6	5	17	2	0	0	0	0	0	0	3	4	23	0	0	0	6	24	0	6	0	1	1	1	5	13	3				
8a SOUTH WALES.																																										
Cardigan	Ciliau Aeron ..		9	256	1018·5	-	58·0	3·4	13·0	79	8·3	1	2	2	11	14	0	0	0	0	0	5	25	0	0	0	0	0	14	16	0	6	3	0	1	4	4	4	8				
			1	152	1017·9	-	53·7	1·5	12·6	90	6·4	1	5	8	10	6	0	1	0	0	0	1	1	8	19	0	0	0	9	21	0	6	3	2	0	1	5	4	9				
Pembroke	St. Ann's Head ..		7	152	1017·5	+1·2	54·7	1·8	12·9	88	7·9	0	1	7	17	5	0	3	0	0	0	1	1	9	16	0	0	1	7	22	0	7	4	2	2	3	4	3	5				
			13	152	1018·2	-	58·4	3·2	13·4	80	7·9	0	0	8	20	2	0	2	0	0	0	0	1	9	18	1	0	0	9	21	0	6	1	0	0	6	3	5	9				
			18	152	1017·7	-	57·3	2·7	13·3	83	7·0	0	4	8	15	3	0	1	0	0	0	1	0	6	20	2	0	0	10	20	0	6	2	0	1	2	4	7	8				

* Visibility at Hesketh Park (at 9h., 13h. and 21h); 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 JUNE, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist, Poor Vis.	Mod. Vis.	Good Visibility: 7	8	9	WIND, Number of Observations: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																												
Radnor Llandrindod Wells	9	725	1018·1	–	57·6	4·4	11·9	73	7·4	0	2	7	14	7	0	0	0	0	0	1	2	6	*21*	*0*	0	0	8	22	0	3	2	1	3	3	3	8	7
Rhayader	9	—	–	–	56·6	3·2	12·5	80	7·8	0	1	7	12	10	0	0	0	0	0	0	5	5	*20*	*0*	0	0	0	30	0	1	1	0	1	7	5	7	8
Glamorgan Cardiff	9	203	1018·9	–	59·5	4·8	12·4	72	7·3	0	4	9	5	12	0	0	0	0	1	1	7	*8*	*13*	*0*	0	0	1	29	0	2	3	1	0	1	8	12	3
	21	203	1018·7	–	57·4	3·5	12·6	78	5·9	5	4	5	6	10	0	0	0	0	0	0	16	*1*	*13*	*0*	0	1	2	27	0	1	3	1	0	2	5	10	8
8b ENGLAND, S.W.																																				
Somerset Bath	9	113	1018·4	–	60·4	5·2	12·5	70	7·6	0	4	4	13	9	0	0	0	0	0	1	7	*8*	*14*	*0*	0	0	4	26	0	2	2	2	0	3	7	6	8
Dorset Holton Heath H	9	58	1018·9	–	61·0	5·2	13·0	71	6·3	0	8	6	10	6	0	0	0	0	0	1	6	16	*7*	*0*	0	0	7	21	2	9	2	3	0	1	4	4	5
	15	58	1018·3	–	64·4	6·7	13·4	64	7·3	2	1	6	13	8	0	0	0	0	0	1	8	18	*3*	*0*	0	1	15	13	1	5	4	1	0	1	5	9	4
	1	37	1018·4	–	55·7	1·7	13·5	89	6·0	2	6	6	11	5	0	0	0	0	0	0	0	*25*	*19*	*0*	0	0	4	26	0	5	5	0	1	3	2	4	10
Dorset Portland Bill ..	7	37	1018·4	+2·1	56·7	1·8	13·9	89	6·9	2	3	4	14	7	0	0	0	0	0	0	0	*18*	*12*	*0*	0	0	5	25	0	5	4	2	3	1	4	3	8
	13	37	1018·6	–	60·1	2·7	14·9	84	6·8	1	5	5	12	7	0	0	0	0	0	0	2	*25*	*13*	*0*	0	0	6	24	0	2	0	3	1	6	7	9	2
	18	37	1018·1	–	58·7	2·2	14·6	86	6·8	3	1	5	14	7	0	0	0	0	0	0	0	*17*	*13*	*0*	0	0	10	20	0	0	1	1	2	3	8	10	5
Devon Moretonhampstead	9	801	1018·7	–	56·8	3·4	12·5	78	7·5	0	2	8	19	1	0	0	0	0	0	0	0	2	*27*	*1*	0	0	6	23	1	3	2	0	3	4	3	2	12
	15	801	1018·3	–	60·5	4·6	13·3	74	7·0	0	3	10	12	5	0	0	0	0	0	0	3	27	*0*	*0*	0	0	9	21	0	3	1	1	0	3	3	4	12
Devon Plymouth H	7	27	1018·9	–	55·9	1·9	13·4	88	6·2	0	10	4	11	5	0	0	0	0	0	0	0	8	5	17	0	0	1	22	7	4	1	0	1	6	3	5	3
(Mount Batten) ..	13	27	1019·0	–	61·0	4·3	13·8	75	7·5	0	5	4	15	6	0	0	0	0	1	0	0	1	1	25	2	0	0	10	20	0	1	1	0	1	8	7	5	7
	18	27	1018·5	–	61·0	4·8	13·4	73	6·3	0	9	5	11	5	0	0	0	0	0	0	1	1	20	8	0	0	10	20	0	3	1	0	1	5	7	1	12
	1	240	1019·4	–	53·3	1·3	12·6	91	5·1	4	7	8	4	7	0	0	0	0	1	0	0	1	*26*	*0*	0	0	8	20	2	7	1	0	2	1	5	4	8
Cornwall The Lizard ..	7	240	1019·1	–	56·0	1·6	13·7	89	6·9	0	7	5	15	3	0	0	0	0	0	1	0	3	*26*	*0*	0	0	4	26	0	8	1	1	1	3	3	4	9
	13	240	1019·5	–	61·1	4·0	14·1	77	6·9	0	3	9	16	2	0	0	0	0	0	0	0	4	*26*	*0*	0	0	14	16	0	3	2	0	2	3	3	12	5
	18	240	1019·1	–	59·2	3·9	13·1	77	6·7	0	4	11	8	7	0	0	0	0	0	0	2	4	*24*	*0*	0	0	14	16	0	6	0	0	2	2	3	7	10
Cornwall Newquay ..	9	161	1019·1	–	58·7	3·3	13·7	80	6·9	1	3	7	11	8	0	0	0	0	0	1	2	3	18	6	0	1	12	17	0	5	8	0	0	2	2	4	2	7
9 IRELAND, N.																																				
Sligo Markree Castle ..	9	127	1017·9	–	55·9	2·1	13·2	87	8·3	0	1	5	9	15	0	*0*	0	0	0	*0*	5	11	14	*0*	0	0	0	23	7	4	0	1	0	5	3	1	9
	21	127	1017·8	–	55·3	2·5	12·5	84	7·9	0	3	5	11	11	0	*0*	0	0	0	*0*	*1*	8	21	*0*	0	0	0	24	6	2	0	1	0	3	3	2	13
	1	28	1017·4	–	53·1	1·8	12·1	88	8·4	0	1	7	5	17	0	0	0	0	0	0	1	12	17	*0*	0	3	10	13	4	6	0	0	0	6	1	8	5
Mayo Blacksod Point ..	7	28	1017·5	–	54·3	2·1	12·4	86	8·7	0	1	3	7	19	0	0	0	0	0	0	5	6	18	*1*	0	2	12	15	1	8	0	0	0	3	2	12	4
	13	28	1018·2	–	57·0	3·4	12·5	79	8·1	0	2	6	8	14	0	0	0	0	0	1	4	18	*5*	0	1	15	14	0	6	1	0	0	0	2	4	11	6
	18	28	1018·0	–	56·1	3·2	12·2	79	8·4	0	1	8	4	17	0	0	0	0	0	1	8	16	*5*	0	2	14	14	0	7	0	0	0	0	3	2	13	5
	1	87	1016·0	–	52·9	1·4	12·4	91	7·5	0	3	4	20	3	0	0	0	0	0	0	3	25	2	*0*	0	0	2	27	1	11	1	0	0	0	7	3	6	1
Donegal Malin Head ..	7	87	1015·8	+0·9	53·8	1·3	12·9	80	7·9	1	1	3	22	3	0	0	0	0	0	0	0	8	12	10	*0*	0	0	4	26	0	11	0	1	0	0	6	5	4	3
	13	87	1016·4	–	55·7	2·0	13·2	87	7·9	0	1	4	24	1	0	0	0	0	0	0	5	16	9	*0*	0	0	5	25	0	12	0	1	0	1	2	11	3
	18	87	1016·5	–	55·0	2·0	12·8	87	7·9	1	1	2	24	2	0	0	0	0	0	0	7	13	10	*0*	0	0	4	26	0	13	1	2	0	0	0	10	4	6
	7	245	1016·8	–	52·6	1·8	11·9	87	8·3	0	3	2	13	12	0	0	0	1	0	2	2	5	19	1	0	0	6	22	2	4	0	2	0	6	4	4	6
Antrim Aldergrove H	13	245	1016·9	–	59·4	5·1	12·2	71	8·3	0	3	0	21	6	0	0	0	0	0	1	2	0	21	7	0	0	13	17	0	3	1	1	1	3	6	9	6
	18	245	1016·7	–	58·5	4·9	12·0	71	7·8	0	3	5	12	10	0	0	0	0	0	1	4	2	17	6	0	0	10	20	0	3	1	1	0	3	6	7	9	7
	9	209	1016·5	+0·6	56·3	2·8	12·8	82	8·3	2	0	2	11	15	*0*	*0*	1	0	0	2	*4*	23	*0*	0	0	3	23	4	7	0	1	0	1	4	5	4	7	6
Armagh Armagh .. H	21	209	1016·5	+0·6	55·5	2·2	13·0	86	6·9	0	4	8	9	9	*0*	*0*	0	0	0	1	*5*	*2*	22	*0*	0	0	1	24	5	4	1	0	1	4	5	4	6
10 IRELAND, S.																																				
Dublin Glasnevin ..	9	56	1017·5	–	57·4	4·1	12·0	75	7·2	1	0	12	10	7	0	0	*0*	*0*	*0*	*1*	*4*	*2*	*23*	*0*	0	0	2	28	0	1	1	2	0	0	3	14	9
	21	56	1017·4	–	56·9	3·3	12·5	79	7·5	1	0	10	9	10	0	0	*0*	*0*	*0*	*1*	*1*	*2*	*26*	*0*	0	0	5	25	0	0	5	1	1	0	5	13	4
Offlay Birr Castle ..	7	193	1018·1	+1·8	52·6	1·0	12·6	91	8·0	3	2	0	10	15	0	*0*	0	0	0	0	*0*	*12*	*18*	*0*	0	0	0	29	1	4	0	0	0	7	6	5	7
	13	193	1017·9	–	60·6	4·8	13·1	72	8·9	0	1	0	17	12	0	0	0	0	0	0	0	6	*24*	*0*	0	0	0	30	0	5	0	0	0	6	5	8	6
	18	193	1017·5	–	60·7	4·8	13·1	72	8·4	0	2	3	14	11	0	*0*	0	0	0	*0*	*0*	7	*23*	*0*	0	0	0	30	0	4	0	0	0	0	3	4	9	10
Waterford Seskin, Carrick-on-Suir	9	521	1018·6	–	56·2	2·7	12·7	82	8·1	1	0	5	13	11	0	0	0	0	0	0	3	*3*	5	19	0	0	10	20	0	3	0	0	0	1	4	11	11
	21	521	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	45	1019·5	+3·1	55·2	2·3	12·7	86	8·3	0	2	4	14	10	0	0	0	0	0	0	0	2	*26*	*7*	0	0	13	14	3	5	5	1	0	0	3	4	4	5
Kerry Valentia H	13	45	1019·9	+3·1	59·0	4·0	13·0	76	7·1	0	4	8	11	7	0	0	0	0	0	0	*3*	2	*13*	*12*	0	0	14	16	0	4	2	0	0	0	5	8	11
Observatory	18	45	1019·6	+3·1	58·1	3·6	12·9	78	7·5	0	4	5	15	6	0	0	0	0	1	0	*3*	1	*15*	*10*	0	2	14	13	1	7	0	1	0	2	3	7	9
	21	45	1020·0	+3·0	56·0	2·6	12·8	84	7·4	0	6	2	13	9	0	0	0	0	0	0	*4*	1	*19*	*6*	0	0	10	17	3	9	2	1	0	4	4	3	4
	h.*	45	1019·7	+3·0	56·5	3·1	12·5	82																													
	7	24	1018·9	+2·3	54·4	1·6	12·9	90	7·4	0	4	4	14	8	0	0	0	1	0	0	1	*1*	*24*	*3*	0	0	4	26	0	12	2	1	0	0	6	3	6
Cork Roche's Point ..	13	24	1019·1	–	59·9	3·8	13·6	78	7·7	0	0	12	10	8	0	0	1	1	0	1	1	*1*	*4*	*21*	0	0	4	26	0	7	0	2	1	3	10	2	5
	18	24	1018·5	–	60·2	3·8	13·8	78	7·3	0	4	6	15	5	0	0	0	0	0	3	0	*0*	*6*	*21*	0	0	11	19	0	8	0	1	2	1	7	3	8
11 CHANNEL I. & SCILLY.																																				
	1	199	1019·6	–	54·5	1·2	13·3	92	6·1	1	10	3	11	5	0	1	0	0	0	0	1	*2*	*26*	0	0	0	11	18	1	7	2	1	2	2	3	3	9
Scilly St. Mary's..	7	199	1019·3	+2·9	56·5	1·6	14·0	90	7·2	0	2	8	15	5	0	1	0	0	0	0	0	7	*22*	0	0	0	12	18	0	6	4	1	3	4	3	8	5
	13	199	1020·1	–	61·1	3·7	14·4	79	6·6	0	3	12	8	7	0	0	0	0	0	1	2	*4*	*23*	0	0	0	21	9	0	10	3	1	2	2	3	4	5
	18	199	1019·5	–	59·0	3·1	13·9	82	6·7	0	7	6	12	5	0	0	0	0	0	2	6	*20*	2	0	0	1	15	14	0	8	2	1	1	2	4	4	8
	1	186	1019·5	–	54·1	1·2	13·3	92	3·3	14	5	4	2	5	0	0	0	0	0	0	5	*7*	*13*	5	0	0	1	18	11	2	2	0	0	2	1	5	7
Guernsey St. Peter Port H	7	186	1019·3	–	58·0	2·7	13·8	84	5·6	6	5	2	12	5	0	0	0	0	0	0	2	*11*	*13*	4	0	0	1	21	8	2	3	1	1	2	2	4	7
	13	186	1019·3	–	62·0	4·9	13·9	73	6·0	1	6	10	6	7	0	0	0	0	0	0	3	*9*	*9*	*9*	0	0	9	19	2	3	3	6	2	1	1	3	9
	18	186	1019·1	–	60·8	4·1	13·9	76	5·1	6	8	4	6	6	0	0	0	0	0	0	2	*9*	*12*	7	0	0	5	22	3	3	2	2	2	1	0	4	13
	7	400	1017·4	-0·2	64·1	4·4	15·6	77	3·7	4	16	7	3	0	0	0	0	0	0	0	*0*	5	*13*	12	0	0	7	21	2	1	1	4	1	0	0	13	8
GIBRALTAR .. .. H	13	400	1017·5	–	70·0	7·4	16·2	65	1·9	2	24	2	2	0	0	0	0	0	0	0	*0*	*3*	*11*	16	0	0	1	13	16	0	0	2	4	3	1	6	13	1
	18	400	1016·5	–	68·7	6·4	16·4	69	2·3	5	19	3	3	0	0	0	0	0	0	0	*1*	2	*10*	17	0	0	0	11	19	0	0	1	6	1	0	4	14	4
	21	400	1017·5	–	65·4	4·9	15·9	75	1·6	12	14	1	3	0	0	0	0	0	0	0	*1*	1	*13*	15	0	0	7	20	3	0	3	3	0	0	0	13	8
	7	234	1016·1	+0·2	74·7	6·5	20·6	71	3·8	4	12	7	6	1	0	0	0	0	0	0	0	4	*26*	*0*	0	0	10	19	1	4	2	4	3	6	1	4	5
MALTA .. .. H	13	234	1015·8	–	78·9	9·0	20·8	63	3·0	6	14	4	6	0	0	0	0	0	0	0	0	4	*26*	*0*	0	0	11	19	0	4	4	7	4	4	6	1	0	4
	18	234	1015·2	–	75·2	6·2	21·4	72	3·7	4	13	5	8	0	0	0	0	0	0	0	0	6	*24*	*0*	0	0	9	21	0	5	0	2	6	7	1	4	5

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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JULY, 1937.—A dull month; occasional thunderstorms with heavy rain.

The month was characterised by a general deficiency of sunshine. Fog, thick at times, developed frequently on the south-west coasts, and exceptionally heavy rain occurred during thunderstorms at numerous places in England on the 15th. Rainfall exceeded the average on the whole in Scotland and Ireland and was variable, but deficient for the country generally, in England.

During the opening days a depression moved north-north-east across Iceland and from the 2nd–4th an associated depression moved from south-westward of Ireland north-east across England to the North Sea. Heavy rain occurred at times, chiefly in Scotland and Ireland, and thunderstorms were recorded locally in Scotland on the 3rd and 4th and in north-east England on the 3rd. In England it was warm, particularly on the 3rd, but a marked drop in temperature occurred on the 4th. From the 5th–7th another depression remained almost stationary off south-west Iceland, while a trough of low pressure moved north-east over the British Isles. Rain fell fairly generally on the 5th and 6th and in Scotland and north-east England on the 7th. From the 8th–13th wedges and troughs passed alternately across the country maintaining variable weather, with occasional rain but considerable sunshine at times. Thunderstorms occurred locally on the 9th and 10th. From the 14th–16th a depression moved north-east across Iceland; meanwhile a depression over the Bay of Biscay moved north-north-east over England. Thunderstorms occurred in south and east Ireland and western districts of England on the 14th and were widespread and severe in England on the 15th with exceedingly heavy rainfall. In the rear of this depression a wedge of high pressure moved eastward over the British Isles, and on the 19th and 20th the Azores anticyclone spread north-east over the country. Thunderstorms occurred in the Midlands and south-east and east England on the 19th in the region between the two anticyclones. Unsettled weather was renewed in the west and north on the 20th and generally on the 21st, when a depression off the Hebrides and an associated trough extending south over Ireland moved eastward. On the 23rd a disturbance west of Ireland moved rapidly east over England causing further rain.

In the rear of these depressions pressure rose over the British Isles and subsequently from the 26th to the end of the month, mainly anticyclonic weather was maintained.

Pressure and Wind.—Mean pressure was not very different from the average; at 7 h. it was somewhat below the average except in the south and at Lerwick, in the Shetland Islands, the deviation ranging from −1·1 mb. at Wick to +1·3 mb. at the Scilly Isles. Mean hourly velocities of more than 38 m.p.h. were registered at Stornoway on the 2nd, at Bell Rock on the 4th and at Pendennis Castle on the 23rd. Among the highest speeds recorded in gusts were 55 m.p.h. at Stornoway on the 2nd, 57 m.p.h. at Scilly and 54 m.p.h. at the Lizard on the 3rd and 63 m.p.h. at Pendennis Castle on the 23rd.

Temperature.—Mean temperature did not differ very greatly from the average, the deviations for the districts varying from −0·5°F. in Ireland, S. to +1·0°F. in England, N.E.

The opening days were warm in England, particularly the 3rd, when maxima of 80°F. or above were widespread. In Scotland and Ireland, however, it was cool on the 3rd. Temperatures were high at times between the 13th and 19th and the last day was very warm in many parts but cool in east and south-east England. A cool spell occurred from the 4th–11th and it was rather cool on the whole from about the 22nd–28th, though the 28th was warmer in the west.

The extremes for the month were:—(England and Wales) 87°F. at Camden Square, London, on the 3rd, 37°F. at Barton, Manchester, on the 8th; (Scotland) 80°F. at Kelso on the 31st, 34°F. at Dalwhinnie and Braemar on the 11th; (Ireland) 79°F. at Newcastle, County Wicklow, on the 13th, 41°F. at Birr Castle on the 20th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 109, the values for the constituent countries being England and Wales 84, Scotland 126 and Ireland 141.

In Scotland, less than the average occurred in Berwickshire and in coastal districts in the north. Elsewhere there was an excess which was greatest around Edinburgh and Dundee, along Luce Bay and locally in Argyllshire. At the Royal Observatory, Edinburgh, the total 5·37 in. was the heaviest for July in a record covering 42 years. In Ireland a deficiency was confined to a strip along the east coast. More than twice the average occurred locally in counties Kerry and Galway; at Valentia Observatory it was the wettest July since before 1866. Owing to heavy falls of rain during thunderstorms, rainfall in England was very variable; in Dorset, parts of Northumberland and in a belt extending from the Bristol Channel north-east to south Yorkshire and parts of Lincolnshire there was an excess; elsewhere, apart from small isolated areas, there was generally a deficiency, which was as much as 78 per cent. in London (Camden Square).

Thunderstorms occurred frequently during the first 19 days; among the most notable were those in England on the 15th and in east and south-east England and the Midlands on the 19th. Exceptional falls of rain occurred in many places on the 15th (see below).

Among heavy falls of rain in 24 hours or less were:—

2nd. 2·80 in. at Glencoe (Argyll) and 2·50 in. at Inveraray (Argyll).

15th. 5·46 in. at Boston (Lincs.), 4·56 in. at Belvoir Castle (Leicester), 4·19 in. at Pensford (Somerset), 4·14 in. at Bideford-on-Avon (Warwickshire), 1·70 in. at Lincoln in 30 minutes. More than 3 inches were measured at a number of other stations..

18th. 1·03 in. in 12½ minutes at Lingfield, Surrey.

19th. 2·11 in. in 115 minutes at Spellbrook (Herts.), 1·72 in. in 65 minutes at Dorking and 1·40 in. in 25 minutes at Edenbridge (Kent).

20th. 2·63 in. at Kingairloch (Argyll).

Sunshine.—There was a general and very marked deficiency of sunshine. The percentage of the average for the districts ranged from 64 in England, E. and 65 in England, S.W. to 82 in Scotland, W.

Fog.—Fog occurred frequently on the south-west coasts during the first three weeks; it was reported at the morning observation hour on nine days at the Lizard and on eight days at St. Ann's Head.

Miscellaneous Phenomena.—On the 19th, ball lightning was observed during a thunderstorm at Horndon-on-the-Hill, Essex. A funnel cloud was seen between Witney and Abingdon on the morning of the 19th. Solar halos were noted at Oxford on seven days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *August 24th*, 1937.

TABLE I—DISTRICT VALUES— JULY, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	76	34	+0·1	–	–	79	–2	71	18
Eastern									
1 SCOTLAND, E.	80	34	+0·4	–	–	147	0	77	23
2 ENGLAND, N.E.	84	38	+1·0	+1·4	+1·0	93	–1	77	25
3 ENGLAND, E.	84	40	+0·3	+0·1	+0·5	85	–3	64	26
4 MIDLAND COUNTIES	84	41	+0·7	0·0	+0·8	104	–3	70	25
5 ENGLAND, S.E.	87	39	+0·4	+1·0	+1·1	52	–4	73	31
Western									
6 SCOTLAND, W. (*and I. of Man*)	77	40	-0·2	-0·3	-0·3	110	-1	82	24
7 ENGLAND, N.W. (*and N. Wales*)	83	37	+0·2	+0·5	+0·9	65	0	77	27
8 ENGLAND, S.W. (*and S. Wales*)	77	38	-0·1	0·0	+0·5	92	-1	65	26
9 IRELAND, N. ..	78	42	-0·6	-0·3	+0·1	157	+2	70	20
10 IRELAND, S. ..	79	41	-0·5	-0·5	-0·5	125	+1	69	23
11 CHANNEL I. (*and Scilly*)	84	50	+0·2	+0·5	+0·8	58	-2	74	35
Mean, DISTRICTS 1—10	87	34	+0·2	-0·2	+0·5	103	-1	72	25

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JULY, 1937 [1914]

DISTRICT AND STATION	Height			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				
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	–	0	6	41	398	287	18	0	340	33	15	25 11	47	21	25	15	40
Orkney Kirkwall	170	40	35	–	0	1	1	308	408	27	0	180	25	11	21 14	41	18	21	13	20
Hebrides Stornoway	—	40	36	2	1	6	55	276	363	49	0	200	39	17	2 10	55	25	2	09	45
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	–	0	0	0	113	436	195	0	330	22	10	25 12	43	19	25	12	40
Angus Bell Rock Lighthouse	130	—	126	4	2	10	59	262	324	97	0	20	40	18	4 02	50	22	4	01	25
Edinburgh Edinburgh	485	39	23	–	0	3	14	222	389	119	0	190	34	15	2 17	52	23	2	16	55
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	–	0	1	6	303	362	73	0	200	29	13	2 09	47	21	2	09	00
Renfrew Paisley	188	81	31	–	0	0	0	56	478	210	0	180	19	9	2 14	39	17	2	13	50
Renfrew Renfrew (Abbotsinch)	65	46	34	–	0	0	0	99	450	195	0	300	21	9	7 17	41	18	2	12	45
Dumfries Eskdalemuir ..	825	50	35	–	0	2	9	166	396	173	0	210	27	12	5 14	43	19	4	05	00
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	–	0	9	36	306	273	129	0	290	30	13	22 01	47	21	22	00	30
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	–	0	2	3	146	451	144	0	320	27	12	10 15	42	19	10	15	20
Yorks.,N.R. Catterick	220	45	33	–	0	0	0	58	397	289	0	250	21	9	1 10	41	18	1	09	35
Yorks.,E.R. Spurn Head ..	64	42	34	–	0	5	46	258	353	87	0	320	36	16	16 04	51	22	16	10	45
Lincoln Cranwell	284	43	33	–	0	0	0	102	436	206	0	300	21	9	16 11	49	22	15	17	15
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	–	0	1	2	107	564	71	0	290	26	12	16 15	48	21	16	12	20
Suffolk Felixstowe Aero. ..	60	45	35	–	0	0	0	125	518	101	0	200	24	11	4 10	46	18	16	10	10
Suffolk Mildenhall	64	45	20	–	0	0	0	129	512	103	0	280	20	9	10 15	44	20	10	15	45
Bedford Cardington ..	285	150	135	–	0	4	4	186	435	119	0	220	26	12	4 12	42	19	16	10	55
Essex Shoeburyness ..	115	104	89	–	0	3	12	252	436	44	0	210	31	14	4 06	43	19	16	13	10
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	–	0	1	2	154	543	45	0	320	25	11	16 07	41	18	16	06	15
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	–	0	0	0	49	628	67	0	210	18	8	23 16	39	17	23	15	35
Surrey Kew Observatory ..	92	75	50	–	0	0	0	87	521	136	0	210	23	10	23 16	43	19	23	15	25
Surrey Croydon	313	105	70	–	0	2	2	214	446	82	0	200	26	12	4 04	43	19	10	13	20
Kent Dover	66	66	60	–	0	2	8	238	435	63	0	-	27	12	4 07	45	20	4	06	55
Kent Lympne	418	76	48	–	0	0	0	127	491	126	0	230	22	10	4 11	44	20	10	12	40
Hampshire Calshot	58	50	42	–	0	0	0	231	431	75	0	200	34	15	3 22	50	22	3	22	00
Wiltshire Boscombe Down ..	462	45	33	–	0	1	1	165	457	121	0	180	25	11	3 22	43	19	23	14	20
Wiltshire Larkhill	491	51	36	–	0	1	2	219	445	78	0	220	25	11	23 15	42	19	23	14	10
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	–	0	6	60	249	325	110	0	280	31	14	22 05	48	21	22	04	45
Lancashire Manchester (Barton)	153	83	80	–	0	2	13	169	385	177	0	270	29	13	1 13	44	20	22	12	25
Lancashire Southport	60	42	33	–	0	6	51	256	358	79	0	270	35	16	22 04	53	24	22	00	40
Cheshire Bidston Obs'y. ..	262	64	39	–	0	4	30	231	341	142	0	290	29	13	22 11	52	23	22	04	30
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	–	0	2	15	347	301	81	0	350	30	13	23 14	43	19	5	17	50
Flint Sealand	81	65	42	–	0	3	8	182	422	132	0	280	28	13	10 12	42	19	10	12	15
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	–	0	1	1	161	379	203	0	310	25	11	15 16	45	20	15	15	50
Devon Plymouth	185	88	65	–	0	2	5	172	436	130	1	-	26	12	3 15	38	17	3	14	20
Cornwall The Lizard	315	75	60	–	0	4	18	336	264	126	0	280	38	17	3 22	54	24	23	12	30
Cornwall Pendennis Castle ..	256	65	42	23	2	9	46	340	303	53	0	240	41	18	23 12	63	28	3	21	40
9 IRELAND, N.																		23	12	00
Donegal Dunfanaghy Road	180	47	30	–	0	2	8	138	284	123	191	-	(30)	(13)	21 19	(47)	(21)	21	19	45
Antrim Aldergrove	328	60	42	–	0	0	0	159	422	163	0	250	20	9	21 19	42	19	21	18	30
10 IRELAND, S.																				
Dublin Kingstown(Cup Anr.)	49	27	27	–	0	7	31	270	340	78	25	280	30	13	22 11	-	-	-	-	-
Clare Quilty	100	40	32	–	0	2	15	374	308	47	0	-	28	13	23 08	37	17	21	20	45
Kerry Valentia Observatory	98	41	33	–	0	5	10	315	345	74	0	360	26	12	23 08	51	23	23	06	45
Cork Cork	132	71	40	–	0	0	0	110	465	169	0	-	20	9	23 12	38	17	5	11	05
11 SCILLY ISLES																				
St. Mary's	230	65	57	–	0	8	34	440	230	36	0	290	38	17	3 20	57	26	3	20	30

‡‡ 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).

MONTHLY WEATHER CHARTS, JULY, 1937.

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

The dotted lines indicate the normal distribution of pressure in July, based on 45 years' observations, 1881–1915.

1012 1013 1014 1015 1016 1017 1018

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H I J K

SCALE 1:25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 64° 62° 60° 58° 56°

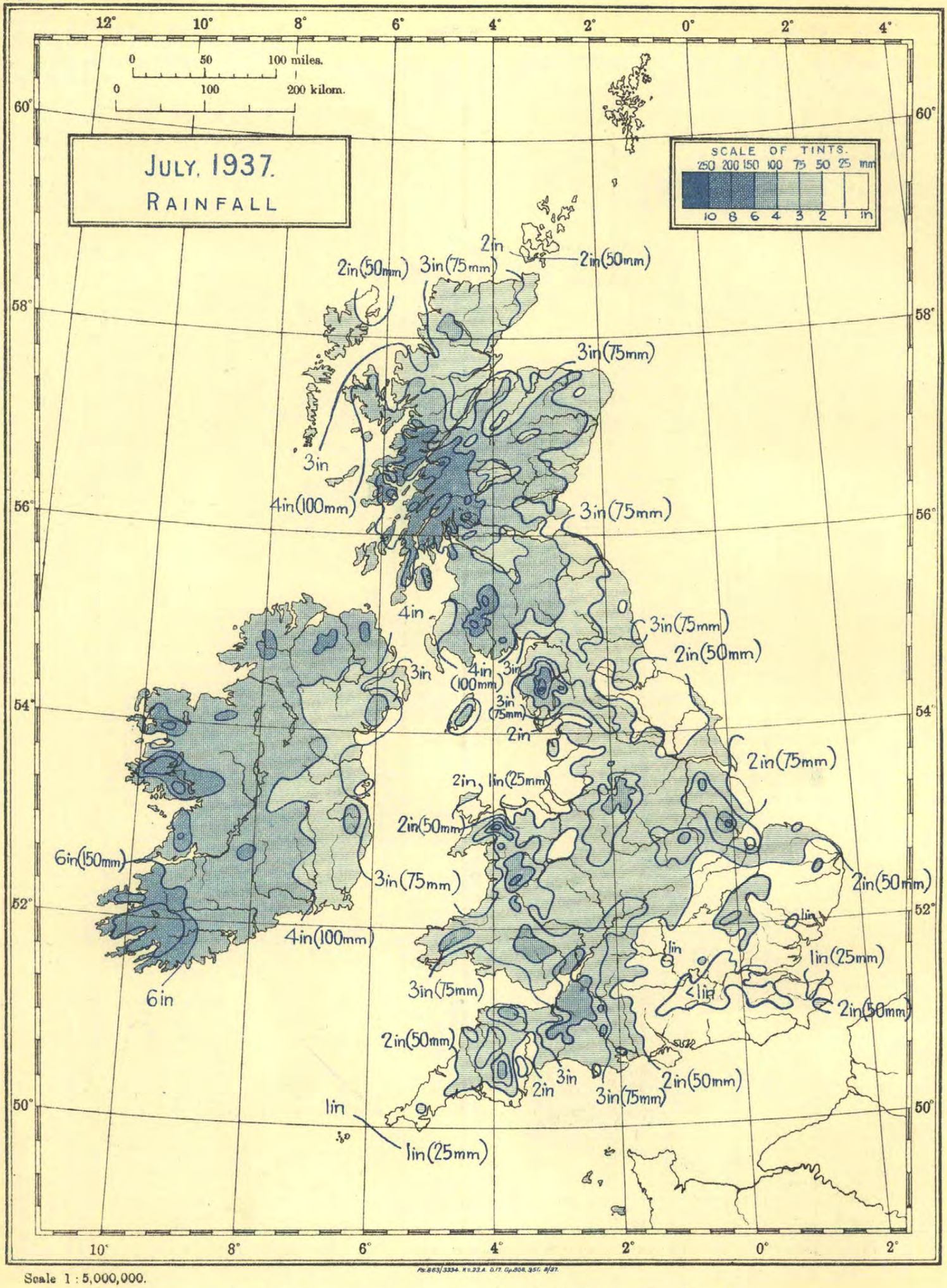
Sea temperatures are shewn in large figures, thus: (60)

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 5·0 4·0 3·0

H.M. Stationery Office Press, Kingsway W.C. 2.

*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 10 in = 254 mm. 1 mm.

TABLE III—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JULY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature: 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0	SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	58·6	50·2	54·4	+0·9	65	14,31	41	9	55·0	-	1·43	36	57	·30	2	20	8	0	0	0	2	2	-	0	2·64	64	15
	Lerwick .. ¶§	18-7 7	156	56·8	50·3	53·5	+0·2	61	14,15,16	46	1	-	-	1·46	37	69	·39	21	12	7	0	0	0	0	2	-	0	2·12	48	12
Orkney	Deerness	2121 9	160	-	-	-	-	-	-	-	-	-	-	1·65	42	64	·35	2	15	11	-	-	-	-	-	-	-	3·25	75	18
	Kirkwall .. ¶§	9 9 9	113	60·3	51·0	55·7	+1·2	71	18,31	46	9	57·2	-	1·92	49	72	·88	2	13	9	0	0	0	0	0	0	0	3·44	79	20
Hebrides	Skallary	101010	30	59·9	51·7	55·8	-	63	30	45	11	-	-	2·04	52	-	·37	1	19	13	0	0	0	0	-	-	-	-	-	-
	Stornoway(C.G.)¶§	18-7 7	80	59·9	49·5	54·7	-1·0	66	30	42	4	-	-	1·60	41	56	·33	20	18	10	0	0	0	0	-	1	3·34	71	19
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skye	Duntulm ..	9 9 9	294	59·2	50·1	54·7	-	67	17	44	11	-	-	3·56	90	-	·49	12	20	16	0	0	0	1	0	0	1	3·17	-	18
Caithness	Wick	18-7 7	81	59·1	51·1	55·1	+0·8	71	14	46	1	-	-	1·96	50	74	·30	21	17	9	0	0	0	0	0	-	0	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	63·6	49·0	56·3	-1·2	72	17,29,30	39	11	-	-	3·81	97	74	·91	1	14	11	0	0	0	0	-	-	-	-	-	-
	Fortrose	9 9 9	69	64·6	52·0	58·3	+0·3	73	18,31	45	11	-	-	2·67	68	-	·40	9	16	12	0	0	0	1	0	-	0	3·64	70	21
Inverness	Dalwhinnie † ..	18-7 7	1176	62·2	46·2	54·2	-	72	30	34	11	-	-	4·58	116	-	·99	7	17	15	0	0	0	1	2	0	2·93	-	17	
	Ft. Augustus ¶	9 9 9	68	64·5	50·5	57·5	+0·7	76	30	41	11	-	-	2·76	70	99	·86	2	17	13	0	0	0	0	-	0	2·74	73	168	
	Ft. William ..	9 9 9	34	63·0	50·8	56·9	-0·5	71	28	41	11	58·1	54·2	6·36	161	132	1·63	2	17	14	0	0	0	0	0	0	0	3·52	-	218
	Inverness ¶§	9 9 9	242	63·3	50·9	57·1	-0·4	72	18,31	45	11,30	-	-	2·58	65	99	·68	9	16	14	0	0	0	0	0	0	0	4·05	86	24
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	64·2	51·0	57·6	+0·3	75	2,31	43	11	-	-	3·15	80	117	·60	2	15	14	0	0	0	1	0	-	0	3·70	79	22
Moray	Forres	9 9 9	155	65·3	50·9	58·1	-	75	18,31	42	11,12,30	-	-	3·43	87	-	·60	9	18	15	0	0	0	1	0	-	0	4·04	-	23
	Gordon Castle ..	2121 9	104	64·2	50·5	57·3	-0·2	75	18,31	40	11,30	-	-	3·07	78	96	·40	2	20	14	0	0	0	0	0	-	-	3·77	78	228
Banff	Banff	9 9 9	130	63·4	51·5	57·5	+0·4	76	18,31	45	12	-	-	3·45	88	122	·57	3	21	17	0	0	0	0	0	0	0	3·95	80	23
Aberdeen	Aberdeen ¶§	242424	79	62·0	51·8	56·9	+0·2	73	31	46	11	57·5	54·0	3·93	100	141	·66	10	17	12	0	0	0	0	0	0	0	4·09	83	24
		18-7 -	—	62·0	51·2	56·6	-1·3																							
	Balmoral.. ..	9 9 9	927	63·4	47·8	55·6	+0·5	75	31	35	11	-	-	3·32	84	130	1·01	7	16	15	0	0	0	0	-	0	0	-	-	-
	Braemar	2121 9	1111	63·5	47·0	55·3	+0·2	75	30	34	11	-	-	3·14	80	123	1·16	7	17	13	0	0	0	0	0	0	0	4·22	-	258
	Craibstone ..	9 9 9	300	63·1	49·8	56·5	-0·6	76	31	42	12	56·8	52·9	4·28	109	145	·88	7	16	14	0	0	0	1	-	0	-	4·14	76	24
	Logie Coldstone..	9 9 9	608																											
Kincardine	Stonehaven ..	9 9 9	12	64·0	51·4	57·7	-	73	13	42	12	-	-	2·84	72	-	·69	9	16	12	0	0	0	0	0	-	-	4·31	-	25
Angus	Arbroath.. ..	2121 9	93	63·6	50·6	57·1	-0·3	73	15,31	40	11	-	-	3·35	85	135	·46	9	16	14	0	0	0	0	1	0	0	4·25	76	25
	Carnoustie ..	9 9 9	39	64·2	50·8	57·5	0·0	78	31	43	11	-	-	3·34	85	127	·66	9	17	12	0	0	0	1	-	-	0	4·08	74	24
	Dundee .. ¶§	9 9 9	147	65·8	51·8	58·8	+0·2	78	31	45	11	60·5	-	5·21	132	204	1·80	4	16	13	0	0	0	3	-	0	0	3·83	72	23
	Kettins	9 9 9	218	65·6	50·2	57·9	0·0	76	31	41	11	60·8	-	4·68	119	180	1·73	9	18	14	0	0	0	6	0	0	1	-	-	-
	Montrose.. ..	9 9 9	16	63·5	51·2	57·3	+0·3	72	2	41	12	-	-	3·74	95	-	1·14	22	15	11	0	0	0	1	0	-	0	3·93	74	23
Perth	Crieff	2121 9	478	65·0	49·5	57·3	-0·4	75	31	45	5	-	-	4·39	111	149	1·42	7	18	14	0	0	0	0	0	-	0	-	-	-
	Perth	9 9 9	76	67·5	50·6	59·1	0·0	77	31	42	10	-	-	3·91	99	136	1·45	7	16	16	0	0	0	1	-	-	-	3·80	69	22
Fife	Cupar	9 9 9	210	65·8	51·7	58·7	+0·6	76	31	44	31	-	-	3·98	101	-	·82	7	16	12	0	0	0	2	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	65·3	51·0	58·1	-	76	31	45	5	60·9	57·0	4·62	117	-	1·31	4	17	12	0	0	0	4	0	0	0	3·52	-	21
	Inchkeith ..	18-7 7	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kirkcaldy ..	9 9 9	137	66·8	50·9	58·9	-0·2	76	19,31	41	11	-	-	4·28	109	-	·90	7	16	13	0	0	0	0	-	-	-	-	-	-
	Leuchars.. ..	18-7 7	36	64·8	51·1	57·9	-0·4	76	31	41	11	-	-	3·64	92	140	·93	4	16	11	0	0	0	1	0	0	0	4·32	78	25
	St. Andrews ..	9 9 9	13	64·9	51·9	58·4	+0·3	77	31	43	31	59·8	55·7	3·63	92	132	·87	3	14	13	0	0	0	1	0	0	-	4·30	77	25
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	64·4	51·6	58·0	+0·3	75	31	47	5	-	-	5·37	136	189	1·88	4	17	13	0	0	0	3	0	0	0	4·35	82	268
	Boghall	9 9 9	639	64·4	49·8	57·1	-1·0	74	31	45	5,11,20	58·0	54·5	4·69	119	-	1·59	4	18	16	0	0	0	1	0	0	-	3·85	72	23
	Liberton	9 9 9	190	67·3	51·5	59·4	-	77	31	45	30,31	-	-	5·89	150	-	1·91	7	18	12	0	0	1	3	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	66·4	51·6	59·0	-	76	31	43	29	60·0	56·1	5·63	143	-	1·81	7	16	11	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	65·0	51·7	58·3	-	76	18	43	5	-	-	3·51	89	-	·58	9	15	13	0	0	0	0	0	0	0	4·57	-	27
	N. Berwick ..	9 9 9	118	65·0	50·9	57·9	-1·4	76	31	45	11	-	-	2·89	73	118	·47	7	14	11	0	0	0	1	0	0	0	3·66	63	22
Berwick	Marchmont ‖ ¶§	2121 9	498	65·4	50·6	58·0	+0·9	77	31	45	5,31	-	-	2·65	67	86	·56	4	15	12	0	0	0	0	-	-	0	3·70	70	228
	St. Abb's Head	18-7 7	280	62·2	52·5	57·3	-	75	18	48	9,12	-	-	2·60	66	-	·40	4	17	12	0	0	0	0	1	-	0	-	-	-
Peebles	Peebles	9 9 9	629	65·0	49·4	57·2	-	75	31	43	17,30	-	-	4·84	123	-	1·82	4	17	14	0	0	0	0	0	0	0	3·53	-	21
	West Linton ..	9 9 9	820	64·5	48·9	56·7	+1·2	74	31	42	11,31	59·3	54·2	4·48	114	-	1·15	4	19	16	0	0	0	1	1	0	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	66·9	52·1	59·5	+1·2	80	31	44	30	-	-	3·67	93	139	·94	7	17	13	0	0	0	2	0	-	0	-	-	-
	Wolfelee	9 9 9	537	64·6	50·2	57·4	+0·5	77	31	43	27	-	-	3·80	97	124	1·47	3	16	13	0	0	0	0	0	-	0	-	-	-
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	64·5	48·1	56·3	-1·4	75	31	40	11,16,17	-	-	7·51	191	-	1·56	2	18	15	0	0	0	0	-	0	-	-	-	-
	Colonsay ..	9 9 9	87	61·3	51·0	56·1	-	70	30	41	11	-	-	6·12	155	-	1·25	3	17	14	0	0	0	0	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	64·9	50·6	57·7	-	75	31	40	11	59·8	56·3	6·84	174	-	1·84	2	19	17	0	0	0	0	0	-	0	3·42	-	208
	Dunoon	9 9 9	132	63·1	51·2	57·1	-	71	31	44	11	-	-	7·28	185	-	1·94	2	18	16	0	0	0	0	0	0	0	4·16	-	25
	Glenbranter ..	9 9 9	188	64·5	49·9	57·2	-0·5	74	31	43	5	-	-	4·72	120	-	·66	21	14	14	0	0	0	0	0	0	-	-	-	-
	Oban	9 9 9	229	61·9	51·3	56·6	-	72	30	47	8,11	-	-	7·15	182	-	1·52	2	16	16	0	0	0	0	1	0	0	3·83	80	23
	Tiree .. ¶§	18-7 7	22	60·0	51·9	55·9	-0·8	66	30	43	11	-	-	3·38	86	93	·54	2	19	13	0	0	0	0	0	0	0	4·89	95	29
Bute	Rothesay ¶§	2121 9	200	62·6	50·8	56·7	-0·6	70	31	46	5,11	58·9	55·2	4·94	125	124	·94	2	16	14	0	0	0	2	0	0	0	4·42	88	26
Dumbarton	Cardross	9 9 9	130	64·3	50·5	57·4	-0·3	72	31	43	8,11	-	-	3·11	79	-	·55	2	19	15	0	0	0	0	0	-	-	4·10	86	248
	Helensburgh ..	9 9 9	293	65·1	50·7	57·9	-0·6	71	28,31	42	11	-	-	3·98	101	108	·74	20	17	14	0	0	0	0	1	-	0	4·15	85	25
Stirling	Stirling	9 9 9	151	67·0	51·7	59·3	-0·2	75	17,18,31	46	10	61·5	55·6	3·34	85	-	·50	4	17	14	0	0	0	0	0	0	0	3·60	77	21
Renfrew	Greenock ..	9 9 9	199	64·4	52·6	58·5	+0·2	72	18,31	47	11	-	-	4·15	105	105	1·09	2	18	14	0	0	0	0	1	0	0	4·29	-	25
	Paisley	2121 9	106	67·5	52·3	59·9	+0·4	77	31	45	11	61·5	55·9	3·62	92	126	·99	3	16	14	0	0	0	1	0	0	0	4·48	89	27
	Renfrew (Abbotsinch) ¶§	18-7 7	19	66·1	50·8	58·5	-0·2	76	31	40	11	-	-	3·33	85	119	·82	3	16	13	0	0	0	1	0	0	0	4·24	89	25
Lanark	Carluke ..	9 9 9	534	65·1	50·5	57·8	-	76	31	44	8	-	-	3·76	95	-	1·15	4	18	16	0	0	1	0	0	0	0	3·90	-	23
	Dungavel ..	9 9 9	798	61·9	48·1	55·0	-0·5	74	31	40	29	-	-	4·80	122	-	·70	3	19	17	0	0	0	1	0	0	-	-	-	-
	Glasgow	9 9 9	85	65·4	52·8	59·1	+0·4	75	31	46	11	-	55·7	3·20	81	103	·76	3	19	14	0	0	0	2	0	-	0	3·80	-	23
Ayr	Auchincruive ..	9 9 9	89	64·9	50·8	57·9	-	73	18,31	41	11,29	60·1	56·5	5·19	132	-	1·60	3	19	15	0	0	0	2	0	0	0	3·96	-	24
	Ayr	2121 9	43	64·0	52·3	58·1	-	74	31	45	8	-	-	5·00	127	-	1·93	3	16	16	0	0	0	0	0	0	-	4·38	-	26
	Colmonell ..	9 9 9	170	63·0	50·8	56·9	-1·3	73	31	40	29	-	-	3·43	87	109	·53	5	17	15	0	0	0	0	0	0	-	-	-	-
	Kilmarnock ..	9 9 9	130	65·6	50·9	58·3	-0·4	75	31	41	8	60·0	56·6	5·03	128	-	1·42	3	18	15	0	0	0	1	0	0	0	4·10	-	248
	Troon	9 9 9	15	61·9	53·0	57·5	-	70	17	47	29	-	-	4·54	115	-	1·56	3	17	14	0	0	0	1	0	0	0	4·58	-	278
	Turnberry ..	9 9 9	30	62·5	51·7	57·1	-1·4	71	17	46	5,8	-	-	3·84	97	-	·53	14	18	15	0	0	0	0	0	0	0	4·07	73	24
Dumfries	Dumfries.. ¶§	2121 9	140	65·4	51·8	58·6	-0·1	77	31	44	11	60·0	55·9	3·18	81	104	·48	7	17	14	0	0	0	1	0	0	0	3·78	72	23
	Eskdalemuir ¶§	242424	794	63·7	48·6	56·2	+0·6	74	31	40	8	57·2	51·8	4·48	114	109	·67	21	18	16	0	0	0	2	3	0	0	3·17	67	19
		18-7 -	—	63·9	48·9	56·4	0·0																							
	Ruthwell.. ‖ ..	2121 9	67	67·2	50·9	59·1	+0·1	76	31	40	8	-	-	2·58	65	-	·61	8	16	13	0	0	0	1	-	-	0	3·69	77	228

¶§ See Notes on Tables on last page of this issue. ‖ On and after 18th April Observations were taken one hour earlier than the times shown.
† Observations taken at 17h. G.M.T. instead of 18h. G.M.T. on Sundays during Summer Time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JULY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature: 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	61·8	52·0	56·9	-0·8	70	31	46	5,8,11	-	-	4·20	107	137	1·05	20	16	12	0	0	0	0	2	0	0	5·01	79	31
	Point of Ayre ..	18–7 7	30	65·0	52·1	58·5	-	76	18	43	5	-	-	2·10	53	-	·52	14	15	9	0	0	0	0	3	-	0	4·40	-	27
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	62·7	52·5	57·6	-0·7	74	18	43	31	-	-	2·56	65	107	·43	21	15	12	0	0	0	0	0	0	0	4·24	75	25
	Bellingham ..	9 9 9	849	65·3	49·9	57·6	+0·9	77	31	44	5,10,27	-	-	2·64	67	80	·42	15	16	12	0	0	0	0	0	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	65·6	51·2	58·4	+1·1	76	19	46	10,31	58·9	56·0	1·83	46	70	·55	3	13	9	0	0	0	0	1	0	0	4·43	84	27
	Tynemouth ..	18–7 7	108	63·3	54·6	58·9	-0·4	75	14	50	10,31	-	-	3·59	91	150	1·77	3	14	9	0	0	0	2	1	0	0	4·76	-	29
Durham	Chopwellwood ..	9 9 9	446	68·0	52·2	60·1	+2·3	78	13	45	29,31	-	-	2·22	56	84	·49	9	17	14	0	0	0	1	0	0	-	4·41	82	26
	Durham .. ¶§	2121 9	336	67·5	52·5	60·0	+1·7	78	14	44	31	-	-	3·14	80	117	1·69	3	16	8	0	0	0	2	0	0	0	3·83	75	23
	Houghall.. ..	9 9 9	160	68·6	51·7	60·1	+0·2	80	14	40	23	-	-	2·93	74	-	1·66	3	13	8	0	0	0	1	0	0	0	4·10	73	25
	Sunderland ..	9 9 9	70	65·1	54·1	59·6	-	77	14	48	11	-	-	3·06	78	-	1·53	3	16	8	0	0	0	1	0	0	-	-	-	-
	Ushaw College ..	9 9 9	594	66·4	52·6	59·5	+1·6	76	14	46	29	-	-	2·59	66	93	1·34	3	14	10	0	0	0	1	4	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	67·5	53·0	60·3	+1·2	79	3	45	11,29	-	-	1·85	47	-	·39	15	15	12	0	0	0	2	1	0	-	4·55	-	28
	Castleton ..	9 9 9	450	67·6	51·3	59·5	-	81	3	38	11	59·1	-	1·72	44	-	·44	24	16	12	0	0	0	0	0	0	-	-	-	-
	Catterick.. ..	18–7 7	175	68·2	53·1	60·7	-	78	14	42	29	-	-	1·41	36	-	·35	23	10	6	0	0	0	2	1	0	0	4·58	-	28
	Scarborough †¶§	9 9 9	118	67·4	54·8	61·1	+1·4	80	14	45	11	-	-	2·06	52	84	·48	15	14	11	0	0	0	1	0	0	0	4·71	86	29
	York .. ¶§	2121 9	57	70·4	54·2	62·3	+1·4	84	3	46	29	61·2	56·8	1·75	44	70	·64	6	12	9	0	0	0	1	-	-	0	4·33	83	26
Yorks., E. Riding	Hull	2121 9	8	69·1	56·2	62·7	+2·0	80	14	48	31	62·0	56·3	2·64	67	114	·90	15	15	10	0	0	0	1	0	0	-	3·71	59	23
	Spurn Head ..	18–7 7	29	66·3	55·8	61·1	+0·1	78	14	51	11,16,31	-	-	1·79	45	87	·67	15	10	9	0	0	0	0	1	-	0	3·90	61	24
Lincoln	Cranwell .. ††¶§	18–7 7	203	69·1	53·3	61·2	-0·6	84	3	43	29	60·9	58·9	2·89	73	125	1·82	15	9	9	0	0	1	1	0	0	0	3·63	55	22
	Cleethorpes ..	9 9 9	23	67·7	55·1	61·4	-0·1	80	14	49	11,29,31	-	-	2·92	74	-	1·68	15	11	8	0	0	0	2	2	0	-	3·82	58	23
	Skegness ..	9 9 9	15	66·9	54·6	60·7	+1·0	75	3	47	8	-	-	1·71	43	79	·69	15	8	6	0	0	0	2	0	0	-	4·13	64	25
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	67·7	54·9	61·3	+0·8	82	3	50	10	-	-	2·72	69	124	·77	19	12	11	0	0	0	2	0	0	0	4·69	75	29
	Hunstanton ..	9 9 9	105	68·5	55·7	62·1	-0·6	83	3	50	29	-	-	2·13	54	-	·63	19	10	8	0	0	0	2	0	-	-	4·53	66	28
	Norwich	9 9 9	110	70·3	54·6	62·5	+0·6	82	3,15	47	29	62·1	-	1·62	41	-	·49	15	13	11	0	0	0	4	-	0	-	4·09	62	25
	Sprowston ..	9 9 9	93	69·0	54·4	61·7	-0·1	80	3,15	45	29	-	-	1·98	50	-	·86	15	14	10	0	0	0	5	0	0	-	3·69	53	23
	Terrington ..	9 9 9	13	70·3	52·4	61·3	-	82	14,15	46	29	-	-	4·06	103	-	1·49	19	10	9	0	0	0	2	0	0	-	3·52	-	22
	Thetford ..	9 9 9	99	69·8	51·6	60·7	-	84	3	40	17,30	62·5	59·5	1·70	43	-	·49	15	12	7	0	0	0	3	0	0	-	3·20	-	20
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	66·4	56·1	61·3	-0·4	78	13	49	10	62·8	57·7	1·91	48	82	·46	15	11	9	0	0	0	5	0	0	0	4·93	73	30
Suffolk	Bungay (Flix'n)..	9 9 9	79	70·3	55·0	62·7	+0·1	81	3,14	47	29	-	-	2·16	55	-	1·16	15	10	7	0	0	0	2	0	0	-	-	-	-
	Chadacre ..	9 9 9	250	70·1	53·6	61·9	-	81	3	46	17,30	-	-	1·99	51	-	·50	15	12	9	0	0	0	2	0	0	-	4·01	-	25
	Copdock	9 9 9	164	70·2	54·4	62·3	+1·0	81	3	46	30	63·4	59·6	1·15	29	-	·34	15	10	8	0	0	0	3	0	0	-	4·15	64	26
	Felixstowe Aero..	18–7 7	15	68·0	56·9	62·5	0·0	78	13	49	30	-	-	1·41	36	71	·37	19	9	6	0	0	1	4	0	0	0	4·50	63	28
	Lowestoft ..	9 9 9	82	68·3	55·1	61·7	+1·2	79	13	48	10,27,29	63·8	60·6	1·67	42	73	·42	15	12	9	0	0	1	5	0	0	0	4·46	63	28
	Mildenhall ..	18–7 7	19	69·5	53·9	61·7	-	84	3	46	8,29	-	-	2·63	67	-	1·31	15	10	7	0	0	2	3	0	0	0	3·61	-	22
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	70·2	53·3	61·7	0·0	84	3	44	29	62·8	59·5	1·98	50	91	1·21	15	10	7	0	0	0	2	0	0	0	3·23	52	20
	(Univ. Farm) ..	9 9 9	78	70·1	54·1	62·1	-	84	3,14	45	29	-	-	2·47	63	-	1·67	15	9	6	0	0	0	1	0	0	0	3·57	-	22
Bedford	Luton	9 9 9	381	68·6	53·8	61·2	-0·5	81	3	44	30	64·0	59·7	·97	25	-	·45	15	7	4	-	-	-	4	0	0	-	4·08	62	25
	Woburn	9 9 9	291	68·9	53·3	61·1	+0·6	82	3	42	30	64·4	56·7	1·21	31	54	·50	15	9	7	0	0	0	3	0	0	-	4·14	71	26
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	67·3	53·5	60·4	-0·1	81	3	47	5,30	61·2	-	1·67	42	74	·56	15	10	9	0	0	0	2	1	0	0	4·07	65	25
	St. Albans ..	9 9 9	272	68·9	53·6	62·3	+0·4	81	3	46	8,17,30	64·1	-	1·41	36	66	·54	19	12	7	0	0	0	0	0	0	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	67·7	56·1	61·9	+0·6	75	1,13	49	8	63·8	60·6	2·51	64	123	1·59	15	9	8	0	0	0	3	0	0	-	4·54	66	28
	Chelmsford ..	9 9 9	134	71·4	53·9	62·7	+1·0	83	3	44	31	-	-	1·73	44	81	·82	17	10	7	0	0	0	2	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	70·5	53·6	62·1	-	83	3	44	30	-	-	1·28	33	-	·61	15	10	6	0	0	0	2	-	0	-	4·23	-	26
	Earls Colne ..	9 9 9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Halstead ..	9 9 9	140	71·5	54·3	62·9	+0·8	83	3	40	30	-	-	1·34	34	-	·53	15	10	7	0	0	0	2	0	-	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	70·3	56·5	63·4	+0·3	81	3	48	30	-	-	1·92	49	104	1·17	15	11	5	0	0	0	2	0	0	0	4·75	65	30
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	69·7	52·4	61·1	-	84	3	42	29	-	-	2·17	55	-	·89	6	10	7	0	0	0	1	0	0	-	4·30	-	26
	Bingley	9 9 9	610	65·9	52·6	59·3	-	80	3	41	17	-	-	2·54	65	-	1·38	15	13	8	0	0	0	1	2	0	-	-	-	-
	Bradford ..	9 9 9	439	67·2	54·3	60·7	+1·5	81	3	48	17,29,31	59·7	55·9	2·13	54	77	1·08	15	10	7	-	-	-	-	0	0	-	4·16	76	25
	Doncaster ..	9 9 9	30	68·7	52·5	60·6	-	82	3	41	29	-	-	2·52	64	-	1·29	15	10	7	0	0	0	1	0	0	-	4·02	-	25
	Giggleswick ..	9 9 9	575	65·1	52·1	58·6	+0·6	76	3,31	45	8,17,29	-	-	1·92	49	-	·33	15	16	10	0	0	0	0	1	-	0	2·76	59	17
	Harrogate ¶§	9 9 9	478	67·2	53·2	60·2	+2·7	80	3	44	29	58·8	56·7	2·03	51	74	·95	15	11	6	0	0	0	1	0	0	0	4·36	79	26
	Huddersfield ..	2121 9	325	68·3	53·3	60·8	+0·9	82	3	45	30	60·7	56·6	2·09	53	83	·99	15	13	8	0	0	0	0	0	0	-	3·56	70	22
	,, (Oakes)	9 9 9	761	66·9	52·5	59·7	-0·2	81	3	46	29	58·1	53·5	2·83	72	100	1·29	15	16	9	0	0	0	1	1	0	0	-	-	-
	Meltham .. **	9 9 9	514	66·6	53·2	59·9	+0·9	82	3	44	31	58·8	57·7	2·76	70	85	1·40	15	17	9	0	0	0	1	0	0	-	-	-	-
	Pontefract ..	9 9 9	255	67·1	54·4	60·7	-0·6	80	3	49	5,8,29	-	-	1·98	50	82	·89	15	13	7	-	-	-	-	0	0	-	4·38	-	27
	Sheffield	9 9 9	428	67·5	54·4	60·9	+0·4	82	3	49	17,27,29	59·3	55·9	2·96	75	117	1·60	15	12	8	0	0	0	1	-	0	0	4·35	80	27
	Wakefield ..	9 9 9	124	70·0	54·2	62·1	+1·3	83	3	47	17,29,31	61·3	56·6	2·59	66	103	1·35	15	13	8	0	0	0	2	0	0	-	4·24	79	26
Derby	Belper (School) ..	9 9 9	222	69·5	52·6	61·1	+0·2	81	3	44	5	-	-	2·69	68	100	1·52	15	8	5	0	0	0	1	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	62·4	51·3	56·9	-0·2	76	3	43	29	56·9	54·5	3·66	93	93	·95	9	18	14	0	0	0	1	3	0	-	2·98	57	18
Nottingham	Attenborough ..	18 7 7	89	69·5	52·8	61·1	-	84	3	44	5,17,20	60·9	56·3	3·60	91	-	2·51	15	8	6	0	0	0	2	2	0	0	-	-	-
	Mansfield ..	9 9 9	357	68·5	53·5	61·0	-0·7	81	3	46	29	-	-	2·30	58	-	1·28	15	8	6	0	0	0	1	0	-	-	-	-	-

† 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.

†† New Site as from December 9th, 1936.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS JULY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER Number of days								BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale		Percentage	
																			0·2 mm or more	1 mm or more							Daily Mean	of Average	of Possible
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft				Amount	Date											
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
4 MID COUNTIES—*cont.*																													
Nottingham	Nottingham ¶§	9 9 9	192	68·5	54·4	61·5	+0·4	83	3	46	8	60·9	59·5	2·81	71	119	1·69	15	10	7	-	-	-	-	0	0	-	3·40	64	21
cont.	Sutton Bon'gton	9 9 9	157	68·8	53·3	61·1	-0·8	82	3	44	20	61·3	-	3·70	94	71	2·18	15	12	6	0	0	0	2	0	0	-	3·43	57	21
	Worksop ..	9 9 9	56	70·0	53·5	61·7	+0·6	83	3	43	29	61·0	56·5	2·27	58	99	1·61	15	10	4	0	0	0	2	-	0	0	4·30	77	26
Leicester	Belvoir Castle ..	2121 9	259	68·7	53·1	60·9	+0·6	83	3	45	29	61·8	56·4	5·59	142	229	4·56	15	8	5	-	-	-	-	-	0	-	3·63	61	22
	Leicester ..	9 9 9	325	67·6	52·1	59·9	-	80	3	41	5	60·8	57·4	3·07	78	-	1·85	15	8	7	0	0	1	1	0	0	0	3·05	-	19
Northampton	Oundle	9 9 9	147	68·8	53·2	61·0	+0·3	84	3	45	29	60·8	56·9	1·60	41	-	·48	15	9	6	0	0	0	0	0	0	-	3·52	60	22
Warwick	Birmingham ¶§	18–7 7	535	67·1	54·6	60·9	+0·8	79	3,14	47	5	56·1	53·1	2·74	70	118	1·24	15	13	9	0	0	0	3	2	0	0	3·68	67	23
	,, Sparkhill	713 7	425	70·0	53·1	61·5	+0·4	82	3,14	46	5	-	-	2·55	65	103	1·23	15	11	8	0	0	0	2	1	0	-	-	-	-
	Coventry	9 9 9	241	68·9	53·5	61·2	-0·3	82	3,14	45	5,8,11	62·9	60·0	2·10	53	89	·90	15	13	5	0	0	0	0	0	0	-	3·44	62	21
	Rugby	2121 9	390	68·8	51·7	60·3	-0·4	82	3	44	8	-	-	2·27	58	-	·83	15	12	8	0	0	1	2	-	0	-	3·65	-	23
	Stratford-on-Avon	9 9 9	210	69·5	53·3	61·4	-	81	3,14	42	8	-	-	4·01	102	-	2·87	15	12	7	0	0	0	1	0	-	-	3·70	-	23
Oxford	Oxford .. ¶§	9 9 9	208	70·2	54·6	62·4	+0·5	83	3	46	8	64·0	59·9	1·38	35	59	·68	15	11	6	0	0	0	1	0	0	0	4·52	74	28
Bucks	Halton	9 9 9	544	68·3	53·4	60·9	-	80	3	46	8,30	63·0	57·7	1·24	31	-	·50	15	11	7	0	0	0	2	0	0	-	3·99	-	25
	Mursley	9 9 9	490	67·6	52·5	60·1	-1·1	80	3	44	30	58·5	-	1·21	31	50	·41	15	11	5	-	-	-	-	-	-	-	3·81	58	24
Stafford	Market Drayton	9 9 9	581	66·5	51·3	58·9	-	80	3	41	13	-	-	3·08	78	-	1·59	15	12	10	0	0	0	1	2	0	-	4·24	-	26
	Mayfield	9 9 9	374	67·4	52·1	59·7	+0·6	79	3,14	42	17	-	-	2·36	60	83	·97	15	14	6	0	0	0	1	-	0	-	3·27	61	20
Shropshire	Newport	9 9 9	211	67·6	52·5	60·1	-	81	3	41	21	-	-	3·01	76	134	1·65	15	13	7	0	0	0	2	0	0	-	3·92	-	24
	Shrewsbury ..	9 9 9	184	69·4	53·9	61·7	+1·0	80	3,14	44	8	61·2	58·4	1·96	50	-	·79	15	15	7	0	0	0	1	0	0	0	3·89	-	24
Worcester	Malvern	9 9 9	380	68·4	55·6	62·0	+0·5	81	3	49	8	62·1	58·7	2·78	71	122	1·39	15	15	8	0	0	0	2	1	0	-	4·20	67	26
	Worcester .. (Perdiswell)	9 9 9	94	70·0	53·4	61·7	-0·6	83	3	44	5,8	-	-	2·49	63	-	1·46	15	14	7	0	0	0	2	-	0	-	4·48	-	28
Hereford	Bromyard ..	9 9 9	393	68·1	52·0	60·1	-0·3	80	3	42	8	61·6	57·2	2·98	76	-	1·68	15	14	8	0	0	0	3	3	0	-	-	-	-
	Hereford ..	9 9 9	292	69·2	53·3	61·3	+0·6	79	13	43	8	-	-	2·69	68	122	1·43	15	14	11	0	0	0	2	0	0	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	68·3	54·3	61·3	-0·8	80	3	45	8	62·2	58·9	3·41	87	149	2·40	15	11	8	0	0	0	2	0	0	0	4·07	66	26
Gloucester	Bristol (Horfield)	18–7 7	206	68·2	54·5	61·3	-	78	3	45	8	63·2	60·3	4·39	112	-	3·44	15	11	8	0	0	0	1	0	0	0	-	-	-
	Cheltenham ..	2121 9	214	69·5	54·2	61·9	0·0	81	14	44	8	62·7	60·9	2·40	61	102	1·77	15	11	8	0	0	0	1	0	0	0	3·87	65	24
	Cirencester ..	9 9 9	443	67·9	51·6	59·7	-0·8	80	3	41	8	-	-	2·51	64	-	1·81	15	15	8	0	0	0	1	0	0	-	4·40	71	27
	Parkend	9 9 9	325	66·9	51·8	59·3	-	77	3	41	8	60·3	57·1	3·83	97	-	1·63	15	14	6	0	0	0	1	0	0	-	4·24	-	26
5 ENGLAND, S.E.																													
London	City, Bunhill Row..	—	—																								4·08	70	25
	Camden Square ..	9 9 9	110	71·6	57·1	64·3	0·0	87	3	51	8,30	62·9	58·2	·53	13	22	·18	15	8	5	0	0	0	2	-	0	-	-	-	-
	East Ham ..	9 9 9	15	71·3	56·7	64·0	+1·1	84	3	50	11,30	-	-	1·91	49	90	1·68	15	8	2	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	71·6	56·1	63·9	+0·8	85	3	49	11,30	-	59·9	·76	19	33	·34	15	9	7	0	0	0	2	0	0	-	3·98	66	25
	gGreenwich ..	2424 9	149	73·7	55·3	64·5	+1·0	89	15	49	30	60·3	57·1	·71	18	32	·35	15	9	4	0	0	0	3	0	0	0	3·80	60	24
		21 9 –	—	73·7	55·4	64·5	-																				4·14	-	26
	Hampstead ..	9 9 9	450	68·5	52·8	60·7	-1·0	82	3	45	30	-	-	·68	17	-	·22	15	11	7	0	0	0	2	-	0	-	4·37	69	276
	Kensington ..	18–9 9	80	70·3	56·6	63·5	-1·2	84	3	51	30	63·5	59·8	·67	17	28	·20	19	10	5	0	0	0	3	0	0	0	4·04	-	25
	Kingsway ..	—	—																								4·14	-	26
	Regent's Park ..	9 9 9	129	70·9	56·6	63·7	-	84	3	50	30	-	-	·58	15	-	·18	15	9	5	0	0	0	1	0	0	-	4·23	69	26
	Kew ¶§	242424	18	70·7	56·8	63·7	+0·7	82	3	52	5,30	64·2	59·9	·95	24	44	·50	19	10	6	0	0	0	2	0	0	0	4·36	70	27
	Observatory ..	18–7 –	—	70·4	56·8	63·6	-0·9																						
	Tottenham ††¶§	2121 9	51	72·4	57·4	64·9	+1·2	86	3	51	30	-	60·7	1·20	30	54	·48	15	9	5	0	0	0	2	-	0	-	4·09	66	25
	Westminster ..	9 9 9	27	70·7	57·4	64·1	+0·4	83	3	52	5,8	-	-	·57	15	26	·16	15	9	5	0	0	0	1	-	0	-	4·08	67	25
Surrey	Addington ..	9 9 9	472	68·4	54·9	61·7	+0·6	80	3,15	49	30	-	-	·70	18	-	·31	15	9	3	0	0	0	1	0	-	-	-	-	-
	Croydon	18–7 7	217	69·9	56·1	63·0	-0·3	82	3	48	30	-	-	·69	18	29	·41	15	10	3	0	0	0	2	0	0	0	4·35	61	27
	Wisley	9 9 9	150	70·6	54·4	62·5	+0·3	80	3,15	47	11	64·0	60·4	·74	19	-	·41	15	8	5	0	0	0	1	0	0	0	4·29	67	27
Kent	Biggin Hill ..	18–7 7	567	66·9	54·7	60·8	-0·8	78	3	46	30	-	-	·89	23	36	·41	15	10	6	0	0	0	2	0	0	0	4·54	62	28
	Bromley	9 9 9	213	71·0	55·5	63·3	-	82	3,15	49	30	-	-	·44	11	20	·23	15	7	2	0	0	0	2	0	0	-	-	-	-
	Canterbury ..	9 9 9	135	71·9	55·4	63·7	+1·0	86	3	49	17	62·4	59·0	·76	19	-	·42	15	6	4	-	-	-	-	-	0	-	-	-	-
	Dover	9 9 9	22	68·5	57·2	62·9	+1·8	80	3	53	11	64·9	62·7	2·19	56	-	1·51	15	8	6	0	0	0	0	0	0	0	5·45	78	34
	Dungeness ..	18–7 7	20	67·8	55·7	61·7	+0·1	75	3	47	11	-	-	1·19	30	66	·68	15	8	7	0	0	0	0	0	-	0	-	-	-
	East Malling ..	9 9 9	132	70·2	53·1	61·7	-0·5	83	3	43	30	-	-	·91	23	-	·55	15	8	4	0	0	0	2	0	0	0	4·12	58	26
	Folkestone ..	9 9 9	101	68·8	55·9	62·3	+0·6	81	3	51	23	-	59·4	1·77	45	-	1·21	15	9	5	0	0	0	1	1	0	-	4·95	66	31
	Goudhurst ..	9 9 9	290	69·1	52·9	61·0	-	81	3	43	30	-	-	·87	22	-	·31	15	12	5	0	0	0	1	0	0	-	-	-	-
	Lympne	18–7 7	346	67·8	54·4	61·1	-0·2	79	3	47	30	-	61·1	1·31	33	62	·57	15	10	7	0	0	1	2	1	0	0	4·94	64	31
	Manston	18–7 7	142	69·6	55·8	62·7	-	84	3	51	6,9,17	-	-	·87	22	-	·43	15	10	6	0	0	1	1	0	0	0	5·02	-	31
	Margate .. ¶§	9 9 9	51	69·1	57·5	63·3	+1·0	85	3	53	22,23	65·6	62·4	·77	19	39	·43	15	7	3	0	0	0	1	0	0	0	5·54	76	35
	Tunbridge W. ..	9 9 9	355	70·0	53·6	61·8	+0·7	83	3	45	8	64·4	61·4	·69	18	-	·24	15	9	5	0	0	0	2	0	0	0	4·46	65	28
	Wye	9 9 9	164	70·2	53·8	62·0	-0·3	84	3	46	17	-	-	1·10	28	-	·34	15	9	8	0	0	0	0	-	0	0	4·89	68	31
Sussex	Ardingly ..	9 9 9	437	69·5	54·2	61·9	+0·6	82	3	48	11	-	-	1·06	27	-	·48	15	8	6	0	0	0	2	-	0	-	-	-	-
	Beachy Head ..	18–7 7	502	64·3	54·6	59·5	-0·5	75	4	49	11,30	-	-	1·78	45	-	·50	15	12	8	0	0	0	0	4	-	-	-	-	-
	Brighton ..	9 9 9	32	67·7	56·5	62·1	+0·4	75	16	51	17	-	61·7	1·59	41	74	·56	15	7	7	0	0	0	0	0	0	0	4·87	68	31
	Eastbourne ..	2121 9	35	67·7	57·1	62·4	+1·2	75	3	51	30	64·6	61·5	1·42	36	64	·48	23	9	6	0	0	0	0	0	0	-	5·39	71	34
	Hastings ¶§	2121 9	149	67·8	55·5	61·7	+0·6	74	16	50	30	65·7	60·5	1·52	39	69	·75	15	7	6	0	0	0	0	0	0	0	4·88	67	31
Berkshire	Ascot H'therw'd	2121 9	300	70·3	53·2	61·7	-0·6	81	3	46	30	-	-	·99	25	-	·30	15	10	7	0	0	0	2	0	0	-	4·63	65	29
	Reading	9 9 9	152	70·1	54·8	62·5	+0·4	81	3	48	5,30	62·9	60·1	1·06	27	-	·46	15	8	7	0	0	0	1	-	0	0	-	-	-
	*Shinfield ..	9 9 9	200	70·7	53·5	62·1	-0·6	82	3	46	30	-	-	·93	24	-	·45	15	7	7	0	0	0	1	-	-	-	-	-	-
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

†† 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 JULY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature: 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	69·0	55·3	62·1	*+0·4*	77	13	46	8	62·6	60·4	2·55	65	120	1·62	15	12	6	0	0	0	1	0	-	-	4·93	69	31
	Calshot	18–7 7	8	68·6	56·0	62·3	*-0·6*	77	3	48	8	-	-	1·30	33	80	·46	15	9	8	0	0	0	1	0	0	0	5·17	*69*	33
	Leckford ..	9 9 9	385	68·6	52·7	60·7	-	83	3	45	8	60·9	-	1·10	28	-	·23	15	8	8	0	0	0	-	0	-	-	4·83	-	30
	Long Sutton ..	9 9 9	479	69·9	52·6	61·3	*-0·8*	79	3	46	8,20	65·0	-	·70	18	-	·34	15	7	4	0	0	0	1	0	0	-	4·70	*66*	29
	Southamp'n ¶§	2121 9	64	68·8	55·4	62·1	-0·4	77	13	48	8	-	-	1·13	29	49	·40	15	9	5	0	0	0	2	0	0	0	5·09	74	32
	S. Farnboro' †† ..	18–7 7	226	69·4	53·2	61·3	*-1·6*	80	3	43	30	-	-	·78	20	38	·24	15	10	5	0	0	0	2	0	0	0	4·77	*72*	30
I. of Wight	Newport	9 9 9	48	71·2	54·7	62·9	*0·0*	81	3	49	8,11,24	-	-	1·54	39	-	·52	15	9	8	0	0	0	1	0	0	0	-	-	-
	Ryde	9 9 9	13	69·3	56·8	63·1	*+0·5*	77	3	53	8,11,24	-	-	1·39	35	-	·58	15	9	7	0	0	0	0	0	-	0	5·55	*76*	35
	Sandown ..	9 9 9	13	67·7	56·3	62·0	*-0·3*	74	19	52	8,11,24	-	-	1·64	42	-	·84	15	11	8	0	0	0	1	0	-	-	5·68	75	36
	Totland Bay ..	9 9 9	140	66·9	56·0	61·5	+0·4	73	20	50	8	-	-	1·83	47	95	·96	15	10	6	0	0	0	1	1	0	0	5·60	77	35
	Ventnor (Hospital)	9 9 9	59	67·0	56·8	61·9	0·0	74	3	52	8	-	-	1·57	40	78	·69	15	10	7	0	0	0	2	-	-	0	5·56	77	35
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	67·5	53·4	60·5	-	78	3	45	8	-	-	1·57	39	-	·54	15	11	7	0	0	0	1	0	0	0	4·84	-	30
	Larkhill	9 9 9	440	67·5	52·8	60·1	*-1·2*	78	3	45	30	-	-	1·81	46	94	·76	15	7	7	0	0	0	1	0	0	0	-	-	-
	Marlboro' ‖ ¶§	9 9 9	424	68·2	51·0	59·6	-0·1	79	3	39	8	61·3	57·3	1·50	38	61	·72	15	11	7	0	0	0	1	0	0	0	4·68	*77*	29
	Porton	9 9 9	363	68·8	52·3	60·5	*-0·6*	78	3	41	8	61·4	-	1·08	27	55	·31	15	8	7	0	0	0	1	0	0	0	5·18	*75*	32
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	64·3	52·2	58·3	-0·8	74	31	41	11	59·5	55·3	2·95	75	76	·49	21	16	11	0	0	0	1	0	0	0	3·60	*73*	22
	Newton Rigg ¶§	2121 9	560	66·0	50·9	58·5	+0·4	77	31	43	8,11	-	-	1·75	44	57	·25	15	17	11	0	0	0	0	0	0	0	4·39	79	26
Westmorland	Ambleside ..	9 9 9	145	66·7	52·3	59·5	-	77	31	44	28	-	-	3·70	94	-	·86	21	15	13	0	0	0	0	0	-	-	3·56	-	21
	Appleby	9 9 9	440	66·5	51·8	59·1	*+1·0*	77	31	43	8	-	-	2·89	73	91	·91	7	16	12	0	0	0	2	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	66·6	53·0	59·8	+0·1	78	3	45	5,8	59·4	55·6	2·72	69	74	·52	9	16	12	0	0	0	0	-	0	-	3·48	72	21S
	Burnley	9 9 9	458	66·0	53·3	59·7	*+1·2*	78	3,31	44	17,29	59·5	56·0	1·69	43	-	·38	15	14	10	0	0	0	0	0	0	-	3·63	*75*	22
	Darwen	2121 9	724	67·2	51·8	59·5	*+1·0*	80	31	45	8	60·7	55·7	2·24	57	53	·34	21	17	13	0	0	0	0	0	0	-	3·32	69	20
	Hutton	9 9 9	82	66·7	53·4	60·1	*+0·6*	77	14	45	8,11	60·2	56·4	1·41	36	-	·35	15	15	10	0	0	0	0	0	0	0	3·77	*70*	23
	Lancaster ..	9 9 9	312	66·7	54·2	60·5	+0·8	76	30,31	48	8	59·7	57·1	2·30	58	66	·50	23	16	12	0	0	0	2	1	0	-	3·39	62	21
	Leyland	9 9 9	125	66·6	52·4	59·5	*+0·2*	77	14,31	42	8	-	-	1·27	32	43	·25	21	15	11	0	0	0	0	0	0	-	3·80	69	23
	Manchester (Barton) ..	18–7 7	70	67·1	52·3	59·7	-	80	3	37	8	-	-	1·91	49	-	·59	9	14	8	0	0	0	1	3	0	0	3·19	-	19
	(Oldham Road)	2121 9	191	68·9	56·0	62·5	+0·8	82	3	49	8	62·0	58·9	2·13	54	66	·68	15	16	9	0	-	0	1	-	0	-	2·57	58	16S
	(Whitworth Pk.)	2121 9	125	58·3	54·1	61·2	+0·3	83	3	44	8	-	-	2·19	56	66	·75	15	14	7	-	-	-	-	1	0	-	2·88	63	17
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	66·8	54·3	60·5	+0·7	77	3,14	46	17,29	62·1	58·2	1·89	48	66	·50	15	14	13	0	0	0	1	0	0	0	4·35	69	26
	Stonyhurst ¶§	9 9 9	377	65·7	53·5	59·6	+0·5	77	3,31	46	8	-	-	2·15	55	56	·37	15	18	12	0	0	0	0	1	0	0	4·20	79	25
Cheshire	Bidston Obs'y ..	9 9 9	198	65·0	54·4	59·7	-0·3	77	14	49	5	-	-	1·56	39	60	·47	15	15	10	0	0	0	1	0	0	0	4·40	*74*	-
	Hoylake	9 9 9	23	67·1	54·5	60·8	+0·3	77	14	47	29	-	-	1·50	38	61	·41	15	16	10	0	0	0	1	-	0	-	4·67	76	28
	Macclesfield ..	9 9 9	500	66·7	53·3	60·0	+0·5	82	3	43	8	-	-	3·95	100	121	1·50	15	15	12	0	0	0	1	0	-	-	-	-	-
	West Kirby ..	9 9 9	25	67·1	54·5	60·8	*-1·5*	80	14	49	29	-	-	1·46	37	57	·39	15	16	12	0	0	0	1	0	0	-	4·45	*71*	27
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	68·7	54·6	61·7	+0·8	81	14	47	8,11	-	-	1·33	34	-	·52	15	13	9	0	0	0	0	0	-	-	-	-	-
	Rhyl	9 9 9	31	67·8	54·3	61·1	*+1·2*	79	14	45	8	-	-	1·04	26	45	·20	14	18	10	0	0	0	0	0	0	0	4·86	76	30
	Sealand .. ¶§	18–7 7	16	67·7	54·2	60·9	*-0·1*	81	14	44	8,11	61·1	57·0	1·42	36	60	·60	15	11	9	0	0	0	1	1	0	0	4·51	*81*	28
Anglesey	Holyhead ¶§	18–7 7	26	63·0	54·4	58·7	*-0·3*	68	17,31	50	11	-	-	2·18	55	84	·39	14	17	11	0	0	0	2	2	0	0	4·71	*75*	29
Denbigh	Colwyn Bay ..	9 9 9	118	66·4	54·6	60·5	*0·0*	76	14	47	8	-	-	·98	25	40	·16	4	17	9	0	0	0	0	0	-	-	4·50	*74*	28
Carnarvon	Aber	9 9 9	60	65·6	54·1	59·9	*-0·8*	74	14	48	28	-	-	1·42	36	-	·27	4	19	11	0	0	0	1	-	0	0	4·22	*75*	26
	Llandudno ..	9 9 9	13	65·9	54·8	60·3	*+0·2*	75	3,14	48	5	-	-	·94	24	42	·16	20	14	12	0	0	0	0	0	0	0	4·70	76	29
Montgomery	Welshpool ..	9 9 9	254	68·1	53·5	60·8	*+0·5*	79	14	43	8	-	-	1·94	49	85	·68	15	11	7	0	0	0	1	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	64·3	55·5	59·9	*+0·2*	75	14	50	20,28	-	-	2·84	72	-	·84	18	17	12	0	0	0	0	0	-	-	3·51	61	22
	„ P.B.S.†	9 9 9	452	62·8	53·4	58·1	*-1·6*	72	3	48	5,20,28	-	-	3·13	80	-	·87	22	18	13	0	0	0	0	3	0	0	3·66	*68*	23
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	3·16	80	-	·73	22	16	16	0	0	0	2	0	-	0	3·69	-	23
Pembroke	Haverfordwest ..	2121 9	233	65·3	52·9	59·1	*+0·4*	74	14	45	20	-	-	4·06	103	-	·67	11	12	11	0	0	0	0	1	-	-	4·26	*64*	26
	St. Ann's Hd. ¶§	18–7 7	142	62·0	54·3	58·1	*-1·2*	67	14,29	49	4	-	-	3·12	79	126	·65	11	14	10	0	0	0	0	8	-	0	3·72	56	23
Radnor	Llandrindod Wells	9 9 9	772	66·8	50·8	58·8	-	77	14	41	20	-	-	2·88	73	-	·99	15	17	12	0	0	0	0	0	-	0	3·31	-	20
	Rhayader ¶§	9 9 9	757	64·9	51·4	58·1	*+0·2*	74	14,31	41	5,20	-	-	2·69	68	76	·71	22	17	12	0	0	0	1	0	2	0	3·22	*59*	20
Brecknock	Cantref	9 9 9	1080	63·0	49·9	56·5	-	71	3,14,31	41	11	-	-	4·41	112	-	1·18	15	20	16	0	0	0	1	1	-	-	3·37	-	21
Glamorgan	Cardiff	2121 9	203	67·5	54·0	60·7	-0·1	76	14	46	8	62·5	58·1	3·12	79	102	1·36	15	15	9	0	0	0	0	0	0	0	4·01	59	25
	Swansea	9 9 9	32	66·1	56·0	61·1	*-1·1*	72	14	50	5,28	64·8	59·0	2·74	70	-	·70	11	15	12	0	0	0	0	0	0	-	4·14	*65*	26
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	67·1	53·9	60·5	*-2·4*	75	31	47	8	61·4	57·4	4·20	107	-	1·98	15	15	13	-	-	-	-	0	-	-	4·52	-	28
	Usk	9 9 9	70	68·8	52·0	60·4	*-0·6*	75	3,31	38	8	64·4	-	3·25	83	-	1·39	15	12	11	0	0	0	1	0	0	0	4·33	*73*	27
Somerset	Bath .. ¶§	9 9 9	67	68·6	55·1	61·9	*-0·1*	78	3	43	8	63·5	60·2	2·76	70	111	1·99	15	11	7	0	0	0	1	0	-	0	4·52	*70*	28
	Cannington ..	9 9 9	95	68·0	54·5	61·3	-	77	2	44	8	-	-	4·90	124	-	1·79	14	14	11	0	0	0	1	0	0	0	4·29	-	27
	Long Ashton ..	9 9 9	162	67·8	53·8	60·8	*-1·5*	77	3,14	42	8	-	-	3·99	101	141	2·32	15	16	8	0	0	0	1	0	0	0	4·40	*66*	27

† Plant Breeding Station. ¶§ S *See* Notes on Tables on last page of this issue. †† New site as from May 19, 1937. ‖ On and after April 18th 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 JULY, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Per centage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
8b	ENGLAND, S.W.—*cont.*																													
Dorset	Holton Heath ..	9 9 9	64	68·1	54·0	61·1	-0·6	75	3,13	42	8	65·2	63·2	1·88	48	-	·93	15	11	7	0	0	0	0	1	0	0	4·43	63	28
	Portland Bill ..	18-7 7	32	63·2	57·2	60·2	-0·5	68	14,19	53	8	-	-	4·10	104	248	3·07	15	9	6	0	0	0	1	0	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	65·7	53·4	59·5	-0·5	74	3	45	8	-	-	2·71	69	106	1·13	15	12	7	0	0	0	0	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	68·8	53·5	61·1	-0·7	75	2,18,31	42	5,20	63·3	-	2·53	64	95	·62	5	11	10	0	0	0	2	0	0	-	3·88	59	24
	Ilfracombe ..	9 9 9	25	65·9	56·2	61·1	+0·2	75	14,15	50	28	63·7	60·6	2·38	60	97	·84	11	18	13	0	0	0	0	0	0	-	4·74	71	30
	Killerton ..	9 9 9	159	68·5	54·1	61·3	0·0	76	17	42	5	-	-	1·76	45	-	·69	11	12	8	-	-	-	-	0	0	-	-	-	-
	Moretonhampstead	9 9 9	798	64·9	53·1	59·0	-	71	2,31	45	5,8	58·9	54·7	·93	24	-	·29	5	12	7	0	0	0	1	0	0	0	4·26	-	27
	Newton Abbot ..	9 9 9	375	68·6	54·4	61·5	-1·0	76	20	45	5,8	-	-	·72	18	32	·30	5	13	4	0	0	0	1	1	0	-	4·04	61	25
	Paignton ..	9 9 9	12	67·9	56·0	61·9	0·0	73	2,17,19	47	5,8	-	-	1·54	39	-	·71	14	12	6	0	0	0	1	1	0	-	4·29	60	27
	Plymouth (Hoe)	2121 9	117	66·3	55·9	61·1	0·0	73	14,20,31	46	5	63·7	60·3	1·78	45	65	·64	5	11	8	0	0	0	0	3	0	0	4·50	66	28
	Plymouth (Mount Batten) ..	18-7 7	82	65·4	56·1	60·7	-0·6	74	14	46	5,8	-	-	1·65	42	-	·35	8,11	12	8	0	0	0	0	1	0	0	4·18	62	26
	Princetown ..	9 9 9	1430	62·7	50·5	56·6	+0·1	71	31	43	5	-	-	5·77	147	108	1·63	11	15	12	0	0	0	0	8	0	-	-	-	-
	Sidmouth ..	9 9 9	25	66·5	55·3	60·9	+0·2	73	13,19	44	8	-	-	2·64	67	-	·94	14	11	9	0	0	0	2	1	-	-	4·10	-	26
	Tavistock ..	9 9 9	457	66·1	53·2	59·7	-0·3	75	14	41	5	-	60·1	2·93	74	86	1·00	5	13	9	0	0	0	0	2	1	0	-	-	-
	Teignmouth ..	9 9 9	20	67·8	56·8	62·3	+0·2	73	13	47	8	-	-	1·32	34	57	·48	14	11	5	0	0	0	1	0	0	0	4·38	62	28
	Torquay	9 9 9	27	67·3	56·2	61·7	-0·4	73	17	46	5	-	60·7	1·23	31	57	·49	14	11	6	0	0	0	1	0	0	0	4·59	63	29
Cornwall	Falmouth Obs. ¶§	9 9 9	167	67·2	56·6	61·9	+1·1	74	18	50	5	65·1	62·1	1·51	38	53	·63	5	11	8	0	0	0	0	2	0	-	5·80	83	36
	Fowey	9 9 9	51	66·8	55·5	61·1	-0·4	72	31	47	5,8	-	-	1·94	49	-	·70	5	12	11	0	0	0	0	0	-	-	4·77	71	30
	Gulval	9 9 9	20	67·3	56·3	61·8	+0·2	73	20	48	5	-	-	1·53	39	-	·59	5	11	7	0	0	0	0	4	0	-	5·52	81	35
	The Lizard ..	18-7 7	240	64·5	55·4	59·9	-	72	18	49	8	-	-	1·13	29	-	·49	5	12	8	0	0	0	0	9	-	0	-	-	-
	Newquay ..	9 9 9	190	65·1	56·0	60·5	+0·6	72	2	48	5	62·4	58·9	1·01	26	44	·33	11	12	8	0	0	0	2	5	-	0	5·22	79	33
	Redruth	9 9 9	397	65·6	55·0	60·3	+0·6	75	18	48	5,8	-	-	1·87	48	61	·67	5	16	9	0	0	0	0	4	0	0	-	-	-
9	IRELAND, N.																													
Sligo	Markree Cas. ¶§	2121 9	122	64·1	51·4	57·7	0·0	75	31	43	16,28	59·8	55·6	6·39	162	184	1·75	2	26	21	0	0	0	0	0	-	0	3·74	81	23
Mayo	Blacksod Pt. ¶	18-7 7	18	61·3	51·5	56·4	-2·0	69	28,30	40	7	-	-	6·00	152	190	1·28	2	21	16	0	0	0	0	0	-	0	-	-	-
	Mallaranny §	9 9 9	113	62·8	53·3	58·1	-0·4	74	29	47	3			7·45	189	-	1·74	2	22	16	-	-	-	-	0	-	-	3·20	67	19
Donegal	Malin Head ¶§	18-7 7	84	60·8	53·0	56·9	-0·2	72	30	46	11	-	-	4·80	122	169	1·51	2	21	18	0	0	0	0	1	-	0	3·35	68	20
Antrim	Aldergrove ..	18-7 7	238	64·2	51·1	57·7	-	77	31	42	11	-	-	4·36	111	156	1·26	2	20	14	0	0	0	0	0	0	0	3·26	-	20
Down	†Donaghadee ..	8 8 8	30	62·7	51·4	57·1	+0·6	72	1	45	8	-	-	2·59	66	93	·53	14	17	12	-	-	-	-	0	-	-	3·61	-	22
	Hillsborough ..	9 9 9	388	63·5	50·8	57·1	-	76	31	45	11	57·8	-	2·90	74	-	·48	2	20	16	0	0	0	0	0	0	0	3·94	-	24
Armagh	Armagh .. ‖ ¶§	2121 9	204	66·1	51·6	58·9	0·0	78	31	45	28	60·1	56·5	3·28	83	114	·82	2	19	13	0	0	0	0	0	0	0	3·01	64	18
Longford	Newtownforbes ..	2121 9	154	64·4	51·8	58·1	0·0	76	31	44	20	58·2	55·4	4·21	107	135	·91	2	17	16	0	0	0	0	-	-	-	-	-	-
10	IRELAND, S.																													
Dublin	Dublin City .. ¶	2121 9	54	66·2	55·2	60·7	+0·2	75	13,14	50	4,8	-	-	1·61	41	63	·24	14	16	13	0	0	0	1	0	0	0	-	-	-
	,, Glasnevin ..	2121 9	55	67·1	52·5	59·8	+0·1	77	13	44	8	-	-	1·96	50	77	·30	14	17	14	0	0	0	1	1	0	0	-	-	-
	,, Phœnix Pk. §	2121 9	155	66·8	51·8	59·3	+0·4	77	31	44	8	-	-	1·74	44	65	·28	14	19	14	0	0	0	1	1	0	0	4·18	76	25
	,, Trin. Coll. ..	2121 9	13	67·4	54·5	60·9	+0·6	77	14	49	8	61·5	57·8	1·48	38	61	·23	14	14	13	0	0	0	0	-	0	0	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	67·2	51·1	59·1	-	77	31	42	16,21	61·3	57·5	2·24	57	-	·33	3	19	15	-	-	-	-	-	-	-	4·07	-	25
	Rathfarnham ..	9 9 9	169	67·7	53·3	60·5	-	76	13,14	46	29	59·4	-	1·94	49	-	·33	4	16	14	0	0	0	1	0	0	-	4·61	-	28
Wicklow	Newcastle ..	2121 9	256	67·9	52·7	60·3	+0·9	79	13	48	8	-	-	2·08	53	-	·40	22	17	13	0	0	0	0	2	-	-	-	-	-
Offaly	Birr Castle ¶§	18-7 7	173	65·3	51·9	58·9	-0·8	77	31	41	20	58·5	55·5	3·85	98	130	·79	2	18	16	0	0	0	0	0	0	0	3·25	68	20
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	65·5	52·2	58·9	-0·2	77	31	45	4	-	-	3·95	100	-	1·24	3	17	13	0	0	0	1	0	0	1	4·98	88	31
	Waterford ¶	9 9 9	137	66·9	53·4	60·1	-0·2	77	31	44	8	-	-	4·34	110	136	1·28	3	16	13	0	0	0	1	5	-	1	-	-	-
Limerick	Foynes	9 9 9	43	66·1	53·6	59·9	+0·2	76	17,31	46	4	-	-	5·30	135	173	1·12	22	21	18	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	62·6	54·8	58·7	-0·3	70	30	50	31	60·8	57·6	8·79	223	232	1·72	2	22	17	0	0	0	0	0	0	1	3·11	61	19
		18-7 -	—	62·6	54·6	58·6	-0·6																							
Cork	Ballinacurra §	9 9 9	24	65·5	52·5	59·0	-0·7	74	31	42	8	-	-	3·38	86	121	·90	22	17	12	0	0	0	0	-	-	-	4·15	71	26
	Cork	9 9 9	57	67·8	52·9	60·3	-0·7	77	17,31	45	5,7	-	-	3·21	·82	118	·85	22	18	12	0	0	0	0	0	0	-	4·37	-	27
	Roche's Pt. ¶	18-7 7	22	63·5	53·8	58·7	-1·2	70	1	47	8	-	-	4·73	120	165	1·06	3	18	12	0	0	0	1	1	-	0	-	-	-
11	CHANNEL ISLES AND SCILLY																													
Scilly	St. Mary's ¶§	18-7 7	163	65·4	56·2	60·8	+0·2	72	31	50	8	-	-	·54	14	24	·16	5	14	5	0	0	0	1	5	-	0	5·47	80	35
Guernsey	St. Peter Port ¶§	18-7 7	175	66·4	56·4	61·4	+0·1	76	3	50	5	65·3	62·0	1·78	45	88	·77	15	12	9	0	0	0	0	1	0	0	5·70	71	36
Jersey	St. Heliers ¶§	9 9 9	28	67·4	57·9	62·7	+0·4	84	14	52	9	-	-	1·28	33	62	·69	15	8	5	0	0	0	0	0	-	-	5·52	71	35
GIBRALTAR		18-7 7	393	76·4	66·9	71·7	-3·2	88	24	63	9	-	-	·00	·0	-	·00	-	0	0	0	0	0	0	1	0	0	-	-	-
MALTA		18-7 7	231	82·6	70·5	76·5	-1·6	95	27	67	5,14	-	-	·00	·0	0	·00	-	0	0	0	0	0	0	0	-	0	12·71	107	89

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Atten-borough	Trent	7	69·6	59·0	64·6
	,,	18	70·0	60·6	65·3

TABLE III (*b*)—SKY OBSERVATIONS, JULY, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	0
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	31 nights	31 nights
Average exposure (hours)	5·23	4·63
Polaris unobscured (per cent.)	33	46
δ Ursæ Minoris (ditto)	30	40

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	Cal./cm.²/diem.
Max. (on 16th)	806
Mean	177

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

‖ On and after April 18th Observations were taken one hour earlier than the times shown.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog 0	Fog 1	Fog 2	Fog 3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility 7	Good Visibility 8	Good Visibility 9	WIND, Number of Observations: Force (0-12) 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
0 SCOTLAND N.																																					
Shetlands Lerwick	1	160	1011·9	–	51·9	0·8	12·5	94	9·1	0	1	0	16	14	1	1	*0*	0	0	0	5	*5*	19	*0*	0	0	9	20	2	8	2	0	3	6	4	2	4
	7	160	1011·6	+0·1	52·5	0·9	12·9	94	9·2	0	0	1	13	17	0	1	*1*	0	0	1	3	*9*	16	*0*	0	1	10	19	1	8	2	1	2	8	3	2	4
	13	160	1011·7	–	54·6	1·6	13·2	89	8·8	0	2	0	17	12	0	0	*0*	0	0	2	2	*7*	20	*0*	0	1	13	17	0	6	3	2	2	7	5	3	3
	18	160	1012·0	–	54·2	1·5	12·8	90	8·7	0	0	0	24	7	0	0	*0*	0	0	1	5	*5*	19	*1*	0	3	11	17	0	8	2	1	1	10	3	3	3
Orkneys Deerness	9	165	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	21	165	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hebrides Stornoway ..	1	83	1011·5	–	52·3	1·1	12·2	92	8·6	0	1	4	10	16	*0*	0	0	0	0	2	4	12	13	0	0	3	6	21	1	5	2	0	3	8	5	3	4
	7	83	1011·4	-0·8	54·2	2·0	12·3	87	8·7	0	1	3	15	12	*0*	0	0	0	0	0	2	8	17	4	0	4	10	17	0	5	1	0	5	11	3	2	4
	13	83	1012·1	–	57·7	3·6	12·8	78	8·8	0	0	3	17	11	*0*	0	0	0	0	0	1	5	16	9	0	3	13	15	0	2	2	2	7	8	3	3	4
	18	83	1012·1	–	56·2	3·0	12·4	81	8·8	0	2	0	15	14	*0*	0	*0*	0	0	0	2	8	15	6	0	2	16	13	0	4	3	0	4	8	4	3	5
Caithness Wick	1	79	1011·5	–	52·5	0·5	13·2	97	8·8	0	2	1	6	22	0	0	0	*0*	1	*1*	*2*	*8*	*19*	*0*	0	0	2	29	0	4	1	0	2	8	3	1	12
	7	79	1011·3	-1·1	53·7	1·2	13·1	92	8·2	0	4	3	8	16	0	0	0	*0*	0	*2*	*3*	*6*	*20*	*0*	0	1	1	29	0	5	2	1	1	5	9	2	6
	13	79	1011·8	–	56·9	2·6	13·3	84	8·5	0	1	4	15	11	0	0	0	*0*	0	*1*	*1*	*7*	*21*	*1*	0	0	8	23	0	3	2	0	2	12	4	1	7
	18	79	1011·8	–	55·8	2·2	13·2	86	8·3	0	2	3	15	11	0	0	1	*0*	0	*1*	*4*	*5*	*18*	*2*	0	0	5	25	1	4	1	1	4	10	2	1	7
Inverness Dalwhinnie† ‖ ..	7	1180	970·2	–	52·1	1·9	11·5	87	8·7	2	1	1	6	21	0	0	0	1	0	1	4	15	10	*0*	0	0	3	25	3	5	3	2	1	9	4	3	1
	13	1180	970·8	–	58·9	4·2	12·8	75	8·5	0	4	0	6	21	0	0	0	0	0	0	3	12	16	*0*	0	0	3	24	4	3	2	1	0	9	5	6	1
	18	1180	970·6	–	58·1	4·1	12·4	75	8·8	1	1	1	8	20	0	0	0	0	0	0	3	13	15	*0*	0	0	4	26	1	4	3	2	2	6	7	5	1
Inverness Inverness	9	250	1013·3	–	57·7	1·7	14·7	89	4·9	0	7	23	1	0	*0*	*0*	*0*	*0*	*0*	*0*	*0*	0	*3*	*28*	0	0	2	22	0	0	4	2	8	3	11	1	2
	17	250	1012·9	–	59·6	1·9	15·7	89	5·5	0	3	22	6	0	*0*	*0*	*0*	*0*	*0*	*0*	*0*	3	*1*	2	*25*	0	0	4	27	0	0	4	6	6	1	11	1	2
1 SCOTLAND, E.																																					
Aberdeen Aberdeen H	7	85	1012·2	-0·8	55·9	2·6	12·9	84	7·7	1	3	4	17	6	0	0	0	0	0	1	5	*9*	14	*2*	0	0	6	22	3	5	0	0	0	8	2	2	11
	13	85	1012·6	-0·4	59·9	4·6	12·9	74	7·6	0	3	5	15	8	0	0	0	0	0	2	6	*8*	14	*1*	0	0	12	19	0	4	1	2	5	11	1	0	7
	18	85	1012·5	-0·4	58·2	3·4	13·1	80	8·1	0	3	2	19	7	0	0	0	0	0	1	7	*11*	12	*0*	0	0	5	26	0	5	2	3	6	9	0	1	5
	21	85	1012·9	-0·4	56·0	2·4	13·0	85	7·9	0	4	2	14	11	0	0	0	0	0	1	4	*18*	8	*0*	0	0	3	23	5	4	0	1	0	8	1	2	10
	h.*	85	1012·4	-0·6	56·9	3·1	13·0	82																													
Aberdeen Braemar‡	9	1108	1012·0	–	56·6	3·1	12·8	81	7·4	2	2	7	6	14	*0*	*0*	*0*	*0*	*0*	*0*	*6*	*20*	*5*	*0*	0	0	1	25	5	1	1	2	0	3	13	1	5
Perth Crieff	9	482	1012·0	–	57·9	3·3	13·1	79	8·3	1	3	1	10	16	–	–	–	–	–	–	–	–	–	–	0	0	4	27	0	2	3	1	1	3	6	14	1
	21	482	1012·5	–	56·1	2·4	13·0	85	8·1	1	4	0	12	14	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	3	1	1	0	2	7	17	0
Fife Inchkeith	1	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	13	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife Leuchars.. H	7	36	1012·4	–	55·4	2·0	12·8	87	8·0	0	3	5	9	14	0	0	0	0	0	2	3	8	*12*	*6*	0	0	0	28	3	1	1	4	2	2	8	7	3
	13	36	1012·7	–	62·2	4·9	13·7	73	8·3	0	1	4	16	10	0	0	0	0	0	1	6	6	14	4	0	0	3	28	0	2	0	10	2	2	7	6	2
	18	36	1012·5	–	61·2	4·6	13·5	73	8·0	0	2	6	14	9	0	0	0	0	0	0	3	6	18	4	0	0	6	23	2	0	3	7	2	3	5	7	2
Mid Lothian Edinburgh .. (Blackford Hill)	9	441	1012·9	–	57·6	3·5	12·9	79	8·0	0	1	7	10	13	0	0	0	0	1	2	19	*9*	*0*	0	0	1	7	23	0	1	4	1	2	3	6	10	4
	21	441	1013·4	–	56·6	2·8	13·1	83	7·7	1	4	0	16	10	0	0	0	0	3	3	16	4	5	0	0	2	1	24	4	0	1	2	1	5	5	13	0
6a SCOTLAND, W.																																					
Argyll Tiree	7	40	1011·9	–	55·3	1·4	13·4	91	8·4	0	2	2	18	9	0	0	0	0	1	0	6	7	*14*	3	0	0	14	16	1	8	2	0	3	7	5	3	2
	13	40	1012·7	–	58·8	3·0	14·0	82	7·5	0	5	3	16	7	0	0	0	0	0	2	4	5	*13*	7	0	1	18	12	0	8	0	1	2	4	7	5	4
	18	40	1012·6	–	56·9	2·3	13·6	85	7·0	0	6	5	12	8	0	0	0	0	0	1	7	3	16	4	0	0	13	17	1	7	0	0	2	6	4	5	6
Bute Rothesay	9	187	1012·5	–	57·1	2·2	13·7	86	7·2	0	6	4	12	9	0	0	0	*0*	*0*	*2*	12	*3*	*14*	0	0	1	12	17	1	2	0	4	2	7	2	4	9
	21	187	1012·9	–	54·9	1·7	13·1	89	7·1	0	5	5	12	9	0	2	0	*0*	*0*	*2*	9	*3*	*15*	0	0	1	8	20	2	1	0	1	1	8	0	3	15
Renfrew Renfrew .. .. (Abbotsinch)	7	24	1012·6	–	55·6	1·7	13·6	89	7·5	0	4	8	7	12	0	0	0	0	1	7	7	2	8	6	0	0	4	20	7	0	1	2	1	3	7	7	3
	13	24	1012·9	–	63·6	5·8	14·0	69	7·7	1	3	2	16	9	0	0	0	0	0	3	4	2	10	*12*	0	0	7	24	0	1	0	3	0	3	10	8	6
	18	24	1012·8	–	62·0	4·7	14·0	73	8·2	1	1	4	15	10	0	0	0	0	0	1	7	3	6	*14*	0	0	9	21	1	0	1	1	0	5	5	11	7
Dumfries Eskdalemuir‡‡ H	7	778	1013·2	–	53·6	1·8	12·4	88	8·6	0	2	4	8	17	0	0	2	1	0	4	*10*	*5*	*8*	*1*	0	0	8	19	4	1	2	1	3	8	4	3	5
	13	778	1013·0	–	61·0	4·5	13·7	75	8·6	0	1	3	15	12	0	0	0	0	0	0	7	*9*	*15*	*0*	0	1	9	21	0	2	1	1	2	3	12	8	2
	18	778	1013·1	–	59·5	3·5	13·9	80	8·4	0	0	4	19	8	0	0	0	0	0	2	*6*	8	*14*	*1*	0	1	12	18	0	2	1	2	0	4	11	7	4
	21	778	1013·8	–	55·0	1·8	13·1	89	8·5	0	1	5	10	15	0	0	0	0	1	1	*13*	*5*	*11*	*0*	0	0	7	22	2	4	1	0	1	9	4	4	6
	h.*	778	1013·2	–	55·9	2·5	13·0	85																													
6b ISLE OF MAN																																					
Isle of Man Douglas .. H	9	286	1014·1	-0·6	56·9	2·0	14·1	89	6·9	0	5	5	18	3	0	0	1	*1*	0	3	*12*	*7*	*7*	*0*	0	7	14	10	0	0	1	3	5	2	7	8	5
Isle of Man Point of Ayre ..	7	31	1013·7	–	57·3	1·3	14·7	92	7·9	1	2	4	15	9	0	1	0	2	0	0	2	*7*	*19*	0	0	2	10	16	3	3	0	0	2	4	4	7	8
	13	31	1014·2	–	62·0	3·0	15·7	83	7·9	0	2	5	15	9	0	0	0	0	0	0	2	*5*	*24*	0	0	1	11	19	0	3	2	1	2	5	4	6	8
	18	31	1014·1	–	60·0	2·4	15·1	85	7·7	1	1	4	18	7	0	0	0	0	0	0	2	*4*	*25*	0	0	2	11	17	1	5	0	2	0	6	3	5	9
2 ENGLAND, N.E.																																					
Northumberland Cockle Park ..	9	331	1013·1	–	58·5	2·8	13·9	83	8·0	0	2	5	9	15	0	0	0	1	0	*1*	7	*0*	15	7	0	4	2	14	11	2	0	0	0	1	3	10	4
	21	331	1014·2	–	56·2	1·7	13·7	80	7·8	0	5	3	8	15	0	0	0	1	2	*2*	11	*0*	11	*4*	0	0	3	10	18	2	0	0	0	2	1	3	5
Northumberland Tynemouth ..	1	122	1013·3	–	56·5	2·2	13·4	86	8·3	0	2	5	9	15	0	0	0	0	0	0	9	*19*	3	*0*	0	0	0	30	1	2	0	1	1	5	5	10	6
	7	122	1013·1	-0·6	56·8	2·6	13·2	84	7·9	0	1	9	13	8	0	0	0	1	0	2	15	*12*	1	*0*	0	0	2	29	0	4	2	0	0	3	5	15	2
	13	122	1013·4	–	60·2	3·8	13·8	78	7·4	0	1	10	14	6	0	0	0	0	0	2	6	*13*	10	*0*	0	0	4	27	0	5	4	2	8	3	2	6	1
	18	122	1013·2	–	60·2	3·7	13·9	78	7·2	0	4	8	12	7	0	0	0	0	0	1	9	*14*	7	*0*	0	0	3	28	0	4	4	1	10	0	2	9	1

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 971·6 mb.
‡‡ Mean pressures at Station Level are 985·0 mb. at 7 h., 985·2 mb. at 13 h., 985·2 mb. at 18 h., and 985·7 mb. at 21 h.
‖ Observations taken at 17h. instead of 18h. G.M.T. on Sundays during Summer time.

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, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Durham	Durham	.. ..	9	352	1013·5	-	61·1	4·4	13·8	75	8·0	1	3	3	9	15	0	0	0	0	3	5	3	13	7	0	0	0	3	26	2	2	3	1	2	3	4	7	7
			21	352	1014·3	-	57·0	2·2	13·7	86	6·7	2	7	4	3	15	0	0	0	0	3	5	9	11	3	0	0	0	1	22	8	2	1	0	0	3	7	8	2
Yorks., N. Riding	Catterick ..	H	7	186	1013·7	-	57·8	2·9	13·6	83	7·9	0	3	2	17	9	0	1	0	0	0	0	8	7	13	2	0	0	4	21	6	1	0	2	3	5	5	4	5
			13	186	1013·4	-	65·1	6·6	13·9	66	8·2	0	1	6	15	9	0	0	0	0	0	1	8	8	11	3	0	0	4	25	2	5	2	0	2	6	4	5	4
			18	186	1013·4	-	63·7	5·6	14·2	71	7·1	2	2	7	12	8	0	0	0	0	0	1	8	7	10	5	0	0	2	28	1	5	4	0	2	2	3	11	3
Yorks., N. Riding	Scarborough ..		9	96	1013·5	-	62·7	4·7	14·3	74	4·7	0	19	2	8	2	0	0	0	0	2	3	10	8	8	0	0	1	5	25	0	2	1	0	3	1	6	3	15
			9	53	1014·7	-	62·4	4·8	14·1	73	7·9	1	1	7	9	13	-	-	-	-	-	-	-	-	-	-	0	0	1	30	0	5	0	0	1	7	3	10	5
	York	.. ..	21	53	1014·7	-	60·5	4·0	13·8	77	6·8	3	5	2	7	14	-	-	-	-	-	-	-	-	-	-	0	0	0	29	2	4	0	0	2	6	1	10	6
			1	28	1014·0	-	57·6	0·6	15·6	96	7·6	1	4	3	10	13	0	0	0	0	0	0	8	21	2	0	0	1	10	18	2	1	0	0	3	5	4	9	7
Yorks., E. Riding	Spurn Head	..	7	28	1014·3	-0·1	59·0	1·3	15·7	92	8·4	0	2	0	17	12	0	0	0	1	0	0	14	14	2	0	0	1	15	13	2	3	1	0	1	5	5	8	6
			13	28	1014·4	-	63·7	2·9	16·9	84	8·5	1	0	2	16	12	0	0	0	0	0	1	13	15	2	0	0	3	9	18	1	3	3	4	4	5	3	4	4
			18	28	1014·0	-	60·9	1·5	16·6	91	8·1	0	3	2	19	7	0	0	0	0	0	2	10	17	2	0	0	2	12	17	0	5	2	4	8	3	2	4	3
Lincoln	†Cranwell ..	H	7	208	1015·0	-	57·9	2·1	14·4	87	8·3	0	2	3	16	10	0	0	0	0	0	0	13	13	5	0	0	0	3	24	4	2	0	0	1	4	8	8	4
			13	208	1014·7	-	65·6	5·9	14·9	70	9·0	0	1	1	18	11	0	0	0	0	0	1	6	14	7	3	0	0	9	20	2	1	2	0	3	4	6	9	4
			18	208	1014·4	-	65·0	5·3	15·3	73	8·1	0	3	3	16	9	0	0	0	0	0	0	4	10	13	4	0	0	9	21	1	0	0	2	2	4	8	10	4
3 ENGLAND, E.																																				
Norfolk	Cromer ..	H	9	74	1014·7	-	61·6	3·5	15·1	81	7·9	0	1	11	8	11	0	0	0	0	0	1	30	0	0	0	0	1	3	26	1	5	1	1	1	7	4	5	6
			1	26	1014·8	-	58·7	1·7	15·1	89	6·7	3	5	4	9	10	0	0	0	0	0	2	7	22	0	0	0	0	0	29	2	1	0	0	4	4	8	10	2
Norfolk	Yarmouth..	..	7	26	1015·1	0·0	59·0	2·3	14·7	86	8·0	1	2	5	8	15	0	0	0	0	0	3	24	4	0	0	0	0	3	27	1	3	0	0	4	4	6	11	2
			13	26	1015·2	-	63·8	4·5	15·2	75	8·4	0	0	4	20	7	0	0	0	0	0	1	24	6	0	0	0	1	13	17	0	5	2	2	8	3	3	6	2
			18	26	1014·8	-	63·0	3·4	15·9	81	7·8	0	2	7	12	10	0	0	0	0	1	0	22	8	0	0	0	0	8	23	0	3	2	2	5	9	3	4	3
Suffolk	Felixstowe Aero.		7	20	1015·9	-	59·8	2·9	14·5	83	8·3	0	2	3	17	9	0	0	0	0	0	0	9	13	9	0	0	0	4	25	2	4	0	0	3	2	7	11	2
			13	20	1015·9	-	66·0	6·5	14·5	67	8·3	0	2	2	18	9	0	0	0	0	0	0	9	13	9	0	0	0	9	22	0	2	1	3	4	8	3	8	2
			18	20	1015·4	-	64·8	5·6	14·7	71	8·2	0	2	2	17	10	0	0	0	0	0	1	4	6	18	2	0	0	7	24	0	2	2	2	4	6	6	8	1
Suffolk	Mildenhall	..	7	21	1015·4	-	58·8	1·6	15·4	90	8·4	0	2	3	15	11	0	0	0	0	0	2	12	10	7	0	0	0	4	25	2	1	1	0	2	3	8	12	2
			13	21	1015·1	-	66·7	5·7	16·0	71	7·7	1	0	1	16	13	0	0	0	0	0	0	2	11	17	1	0	0	11	20	0	2	2	0	3	2	9	10	3
			18	21	1014·7	-	65·7	4·8	16·4	76	8·1	0	2	4	15	10	0	0	0	0	0	1	5	5	20	0	0	0	8	23	0	1	3	2	0	4	8	9	4
Cambridge	Cambridge	H	9	43	1015·7	+0·3	64·0	5·2	14·9	73	7·9	0	3	6	8	14	-	-	-	-	-	-	-	-	-	-	0	1	3	25	2	1	3	0	1	5	8	1	10
			21	43	1015·3	0·0	60·9	3·3	15.0	81	5·7	5	5	5	7	9	-	-	-	-	-	-	-	-	-	-	0	0	4	23	4	2	3	0	3	1	8	3	7
Hertford	Rothamsted	..	9	396	1015·4	-	61·3	4·3	14·0	76	8·1	1	1	5	14	10	0	0	0	1	0	1	29	0	0	0	0	0	4	27	0	1	2	2	3	5	7	8	3
Essex	Shoeburyness	H	7	12	1016·3	-	60·6	2·9	15·1	83	7·7	1	4	1	16	9	0	0	0	0	0	4	11	3	13	0	0	0	5	25	1	5	0	1	1	1	8	11	3
			13	12	1016·1	-	67·6	6·4	15·7	68	8·0	0	2	4	19	6	0	0	0	0	0	0	3	5	23	0	0	0	9	22	0	1	1	4	4	4	8	6	3
			18	12	1015·7	-	65·4	5·1	15·7	73	7·9	0	3	3	17	8	0	0	0	0	0	1	3	4	23	0	0	0	7	22	2	1	2	2	2	4	8	6	4
4 MIDLAND COUNTIES																																				
Yorks., W. Riding	Harrogate..	..	9	478	1014·3	-	60·5	4·1	13·7	76	7·5	1	5	3	12	10	0	0	0	0	1	7	3	7	8	5	0	2	1	28	0	1	0	1	3	4	14	8	0
Nottingham	Nottingham	..	9	215	1014·5	-	61·4	4·4	13·9	75	8·3	0	5	1	5	20	0	0	0	0	1	2	22	6	0	0	0	0	3	28	0	2	0	4	0	5	4	14	2
Warwick	Birmingham	H	7	542	1015·7	-	56·9	2·3	13·6	86	8·3	1	2	2	11	15	0	0	1	1	2	4	9	5	9	0	0	0	1	29	1	2	0	2	2	5	8	6	5
			13	542	1015·4	-	63·2	5·5	14·0	71	8·0	2	2	1	14	12	0	0	0	0	1	2	3	11	14	0	0	0	6	25	0	2	1	2	0	6	6	7	7
			18	542	1015·2	-	63·8	5·8	14·1	70	7·1	1	6	3	13	8	0	0	0	0	0	2	7	9	13	0	0	0	3	28	0	4	1	1	1	6	5	7	6
Oxford	Oxford ..	..	9	212	1016·3	+0·2	62·4	4·8	14·1	73	7·7	0	6	5	2	18	0	0	0	0	1	1	5	2	22	0	0	0	6	24	1	2	2	1	0	4	9	8	4
Shropshire	Shrewsbury	H	9	186	1015·3	-	61·6	3·8	14·7	79	8·0	1	0	7	9	14	0	0	0	0	0	1	2	0	28	0	0	1	12	16	2	3	0	0	1	11	1	10	3
Hereford	Ross-on-Wye	H	7	226	1015·6	-	58·3	2·6	14·1	84	8·4	0	3	1	13	14	0	0	0	0	1	3	5	9	12	1	0	0	4	26	1	0	0	2	2	6	8	10	2
			13	226	1015·5	-	65·0	5·9	14·6	70	8·1	0	2	5	15	9	0	0	0	0	0	1	4	8	13	5	0	0	14	17	0	0	0	0	2	0	5	9	13	3
			18	226	1015·3	-	64·9	5·9	14·6	69	6·5	1	6	6	14	4	0	0	0	0	0	0	4	7	18	2	0	0	10	21	0	1	1	4	0	2	6	14	3
			21	226	1016·1	-	59·7	3·2	14·4	81	6·8	0	8	4	13	6	0	0	0	0	2	1	5	6	16	1	0	0	2	29	0	0	3	0	0	5	14	9	0
Gloucester	Cheltenham	H	9	230	1016·4	-	62·3	4·3	14·4	76	8·3	0	1	3	13	14	0	0	0	0	1	2	1	16	11	0	0	0	0	29	2	1	0	0	0	2	9	12	5
			21	230	1016·7	-	60·5	3·0	14·8	83	7·3	0	1	8	21	1	0	0	0	0	0	0	1	24	6	0	0	0	0	31	0	0	0	0	0	2	9	14	6
5 ENGLAND, S.E.																																				
London	g Greenwich	H	9	152	1016·4	+0·4	64·6	5·8	14·6	70	8·0	1	3	3	13	11	0	0	0	0	0	1	13	13	4	0	0	0	7	22	2	2	2	1	0	2	9	10	3
			15	152	1015·7	+0·3	69·7	8·5	14·9	60	8·1	0	4	1	14	12	0	0	0	0	0	0	9	9	13	0	0	0	13	17	1	3	2	1	0	4	10	7	3
			21	152	1016·2	+0·3	61·5	3·5	15·0	80	7·0	2	7	1	11	10	0	0	0	0	0	0	16	9	6	0	0	0	5	26	0	3	2	3	0	3	9	5	6
			h.*	152	1016·1	+0·3	63·1																															
London	Kew Obs'y.	H	7	34	1016·5	+0·5	60·3	3·5	14·4	80	7·7	1	3	2	17	8	0	0	0	0	0	3	10	7	11	0	0	0	1	29	1	2	2	1	1	4	9	8	3
			13	34	1016·1	+0·4	67·8	7·6	14·3	62	8·6	0	2	2	15	12	0	0	0	0	0	0	2	10	19	0	0	0	8	23	0	2	2	1	0	6	10	8	2
			18	34	1015·5	+0·3	67·6	7·2	14·7	64	8·4	0	1	4	17	9	0	0	0	0	0	0	1	10	20	0	0	0	3	28	0	2	2	1	0	6	6	10	4
			21	34	1016·3	+0·4	63·1	4·4	15·1	76	8·1	0	2	2	20	7	0	0	0	0	0	0	5	7	19	0	0	0	1	28	2	2	1	2	1	4	8	8	3
			h.*	34	1016·2	+0·4	63·4	5·0	14·8	74																													
London	Kensington	..	9	66	1016·5	-	63·3	5·0	14·4	73	8·0	1	0	7	8	15	0	0	0	0	0	4	23	1	3	0	0	0	1	30	0	1	2	2	0	1	10	3	12
			15	—	-	-	68·2	7·9	14·3	61	7·8	0	3	5	14	9	-	-	-	-	-	-	-	-	-	-	0	0	4	27	0	2	3	0	0	2	13	1	10
			18	—	-	-	67·7	7·0	15·0	65	7·7	0	1	8	11	11	-	-	-	-	-	-	-	-	-	-	0	0	5	26	0	2	3	0	0	3	8	6	9
Surrey	Croydon ..	H	1	225	1016·3	-	58·5	2·3	14·5	86	7·4	2	4	3	11	11	0	0	0	0	0	1	8	11	11	0	0	0	6	23	2	0	0	1	2	2	9	9	6
			7	225	1016·5	-	59·3	2·8	14·5	83	8·0	1	3	1	17	9	0	0	0	0	0	1	10	9	11	0	0	0	4	24	3	1	1	2	0	5	6	12	1
			13	225	1016·1	-	67·3	7·3	14·6	64	8·4	0	1	3	22	5	0	0	0	0	0	0	5	5	21	0	0	0	10	21	0	2	3	0	1	6	10	6	3
			18	225	1015·6	-	66·6	6·6	14·8	67	8·4	0	0	4	20	7	0	0	0	0	0	0	6	5	20	0	0	0	7	24	0	1	3	1	0	5	6	11	4
Surrey	Wisley ..	..	9	85	1016·1	-	64·5	5·5	14·6	70	8·2	1	0	7	9	14	0	0	0	0	0	0	10	21	0	0	0	0	0	28	3	1	2	0	2	1	10	8	4

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	No. of OBSERVATIONS: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: NUMBER OF OBSERVATIONS: FOG: 0	1	2	3	MIST: 4	POOR VIS.: 5	MOD. VIS.: 6	GOOD VISIBILITY: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		G.M.T.	ft	mb	mb	°F	°F	mb	%																														
5 ENGLAND, S.E.—*cont.*		7	572	1016·7	-	58·1	2·7	14·0	84	7·8	0	4	4	13	10	0	0	0	0	1	3	7	15	4	1	0	0	7	21	3	1	2	1	1	5	10	6	2
Kent	Biggin Hill H	13	572	1016·3	-	64·8	6·3	14·1	67	8·3	0	2	3	16	10	0	0	0	0	0	1	5	7	17	1	0	0	13	18	0	2	3	0	0	7	12	4	3
		18	572	1015·9	-	64·0	5·7	14·2	70	7·7	0	1	8	15	7	0	0	0	0	0	1	5	5	20	0	0	0	12	18	1	1	4	0	0	6	10	6	3
		7	—	-	-	59·5	1·9	15·3	88	8·3	0	1	5	16	9	0	0	0	0	0	2	14	15	0	0	0	1	3	24	3	4	1	1	1	2	7	7	5
Kent	Dungeness ..	13	—	-	-	65·4	4·0	16·8	79	7·6	0	0	10	18	3	0	0	1	0	0	1	9	20	0	0	0	3	10	18	0	0	1	2	4	2	14	5	3
		18	—	-	-	63·8	3·4	16·4	81	6·8	0	5	4	16	6	0	0	1	0	0	2	6	22	0	0	0	3	8	19	1	0	1	4	1	1	14	7	2
		1	345	1016·8	-	57·2	2·0	14·1	88	7·5	1	2	8	9	11	0	2	0	1	1	2	6	12	6	1	0	0	2	28	1	3	1	2	2	1	7	8	6
Kent	Lympne .. H	7	345	1017·0	-	58·7	2·3	14·7	86	8·1	0	4	1	15	11	0	0	1	0	0	3	12	9	4	2	0	0	4	26	1	4	1	3	1	1	6	10	4
		13	345	1016·9	-	65·4	5·9	14·9	70	7·9	0	2	3	22	4	0	0	0	0	0	0	3	7	19	2	0	0	8	22	1	2	2	1	3	5	9	6	2
		18	345	1016·5	-	63·6	5·1	14·6	73	6·8	0	5	7	15	4	0	0	0	0	2	1	5	4	15	4	0	0	5	26	0	1	3	0	4	4	2	3	4
		1	141	1015·9	-	58·3	2·2	14·5	86	6·5	3	4	7	9	8	0	0	0	0	2	1	7	9	11	1	0	0	6	23	2	1	2	2	1	3	12	4	4
Kent	Manston	7	141	1016·2	-	59·7	2·8	14·7	83	7·9	0	5	1	14	11	0	0	0	0	0	2	11	13	5	0	0	0	8	21	2	1	2	1	2	4	8	5	6
		13	141	1016·1	-	66·7	6·9	14·8	65	7·5	0	3	6	15	7	0	0	0	0	0	0	4	15	11	1	0	0	14	17	0	3	2	1	4	5	5	6	5
		18	141	1015·8	-	65·2	5·8	14·8	69	7·4	0	5	4	16	6	0	0	0	0	0	0	5	10	16	0	0	0	12	19	0	2	3	1	3	6	8	5	3
Kent	Tunbridge Wells ..	9	407	1017·0	-	62·5	3·5	15·5	80	8·0	0	0	9	10	12	0	0	0	0	0	1	5	12	13	0	0	0	9	22	0	2	3	0	2	1	11	9	3
Sussex	Brighton .. H	9	48	1017·2	-	62·7	4·4	14·8	76	7·9	0	3	5	8	15	0	0	0	0	1	1	6	5	18	0	0	0	2	29	0	1	3	1	1	3	4	12	6
		9	154	1016·4	-	62·7	3·8	15·4	79	7·2	0	4	7	14	6	0	0	0	0	0	0	6	17	2	6	0	0	1	1	28	1	0	5	0	3	3	14	1	4
Sussex	Hastings .. H	21	154	1016·4	-	61·2	3·0	15·3	82	6·3	2	8	4	6	11	0	0	1	0	0	6	15	7	2	0	0	1	2	24	4	1	3	1	2	0	14	2	4
		7	15	1017·0	-	60·1	2·3	15·3	86	7·6	0	5	4	10	12	0	0	0	0	0	1	9	8	13	0	0	0	8	22	1	1	2	2	2	3	12	5	3
Hampshire	Calshot	13	15	1016·9	-	66·3	5·7	15·7	71	7·6	0	3	7	9	12	0	0	0	0	0	4	2	6	19	0	0	0	18	13	0	0	1	1	2	7	9	6	5
		18	15	1016·4	-	64·9	4·4	16·1	77	7·0	1	6	3	14	7	0	0	0	0	0	2	3	10	16	0	0	0	13	18	0	0	2	3	2	2	10	10	2
		9	84	1017·3	+0·9	63·5	4·7	14·8	74	8·0	1	1	4	12	13	0	0	0	0	0	1	13	14	3	0	0	1	6	23	1	2	4	0	1	2	7	8	6
Hampshire	Southampton ..	21	84	1017·4	+1·1	61·9	3·7	14·9	79	5·5	6	7	2	8	8	0	0	0	0	0	1	13	17	0	0	0	0	3	27	1	0	2	0	4	2	4	7	12
		7	231	1016·6	-	58·6	2·5	14·4	85	7·1	1	5	4	13	8	0	0	0	0	0	3	8	8	12	0	0	0	3	28	0	0	1	3	2	6	3	13	3
Hampshire	S. Farnborough† H	13	231	1016·2	-	66·8	7·0	14·6	65	8·4	0	2	3	16	10	0	0	0	0	0	1	2	12	14	2	0	0	10	21	0	2	1	2	0	6	7	8	5
		18	231	1015·7	-	66·1	6·4	14·8	68	7·2	0	4	7	14	6	0	0	0	0	0	1	5	11	13	1	0	0	6	25	0	0	3	1	1	6	4	11	5
		9	80	1017·0	-	62·3	3·3	15·6	81	7·8	0	5	3	13	10	-	-	-	-	-	-	-	-	-	-	0	2	6	23	0	3	0	2	2	0	3	14	7
I. of Wight	Ventnor (Hosp.)	15	80	1016·5	-	64·7	3·9	16·5	79	6·5	1	8	6	5	11	-	-	-	-	-	-	-	-	-	-	0	1	11	19	0	0	0	4	1	1	2	19	4
		7	420	1016·6	-	57·3	1·8	14·5	89	7·4	0	6	3	9	13	0	0	0	0	0	4	2	22	3	0	0	0	5	26	0	1	2	2	3	5	4	9	5
Wiltshire	Amesbury H (Boscombe Down)	13	420	1016·4	-	64·3	5·7	14·4	70	8·3	0	2	5	12	12	0	0	0	0	0	2	3	11	15	0	0	0	16	15	0	2	2	1	0	6	4	13	3
		18	420	1015·9	-	64·5	5·6	14·7	71	7·5	0	5	3	16	7	0	0	0	0	0	2	1	10	17	1	0	0	14	17	0	1	2	1	1	5	3	13	5
		9	444	1016·7	-	61·4	4·3	14·2	76	8·1	0	3	5	6	17	0	0	0	0	0	0	4	2	25	0	0	0	11	20	0	1	3	1	2	4	8	8	4
Wiltshire	Larkhill .. H	13	444	1016·4	-	64·7	6·1	14·2	69	8·0	0	2	4	9	16	0	0	0	0	0	0	1	6	24	0	0	0	16	15	0	2	4	0	0	7	8	8	2
		15	444	1016·3	-	64·9	6·1	14·3	68	7·9	1	2	4	11	13	0	0	0	0	0	0	1	3	27	0	0	1	14	16	0	1	3	1	0	6	6	12	2
7a ENGLAND, N.W.																																						
Lancashire	Hutton	9	86	1015·2	-	60·6	2·8	15·1	84	7·0	0	4	3	23	1	-	-	-	-	-	-	-	-	-	-	0	0	3	21	7	0	2	0	2	3	5	3	9
		7	83	1014·7	-	56·9	1·8	14·1	89	8·3	0	4	0	13	14	0	1	1	1	4	6	11	7	0	0	0	0	4	22	5	0	0	2	3	6	3	8	4
Lancashire	Manchester H (Barton)	13	83	1014·6	-	64·5	5·7	14·6	71	8·6	0	2	3	11	15	0	0	0	0	0	5	8	9	9	0	0	1	10	19	1	1	1	0	2	6	4	13	3
		18	83	1014·5	-	63·6	5·1	14·7	73	8·0	0	3	4	13	11	0	0	0	0	1	3	3	15	8	1	0	0	9	21	1	1	1	1	2	4	2	14	5
		9	127	1014·6	-	59·8	3·2	14·2	81	8·5	0	4	1	6	20	-	-	-	-	-	-	-	-	-	-	0	0	2	28	1	2	0	1	2	7	5	7	6
Lancashire	Manchester (Whitworth Pk.)	21	127	1015·0	-	60·7	3·4	14·5	80	7·7	1	3	4	10	13	-	-	-	-	-	-	-	-	-	-	0	0	1	29	1	2	0	1	2	7	3	10	5
		9	37	1014·8	-0·5	61·1	4·1	14·2	77	7·5	3	3	2	9	14	0	0	0	0	0	0	9	5	2	15	0	0	3	10	17	1	0	0	0	7	4	3	6	10
Lancashire	Southport* H (Bedford Rd. Park)	15	37	1014·8	-	64·2	5·5	14·7	72	7·6	0	4	5	11	11	0	0	0	0	0	5	2	4	18	2	0	1	13	15	2	1	0	0	0	1	2	13	12
		21	37	1015·0	-0·3	59·9	3·0	14·7	83	7·4	0	5	4	12	10	0	0	0	0	1	6	0	11	13	0	0	2	9	16	4	0	0	2	1	4	4	9	7
		9	381	1014·7	-	59·7	3·5	13·9	80	8·2	0	4	2	8	17	0	0	0	1	0	0	11	9	10	0	0	0	8	23	0	1	2	0	1	5	6	11	5
Lancashire	Stonyhurst ..	21	381	1015·3	-	58·8	2·7	14·1	83	8·3	1	3	2	6	19	0	0	0	0	0	1	8	19	3	0	0	0	1	25	5	1	2	0	0	2	4	12	5
Cheshire	Bidston Obs'y. ..	9	202	1015·0	-	59·7	3·8	13·6	78	8·3	0	0	6	12	13	0	0	0	0	5	7	7	5	5	2	0	2	8	20	1	0	0	1	6	2	5	5	11
7b NORTH WALES.																																						
		7	19	1014·6	-	57·6	2·5	13·8	85	7·9	1	2	3	13	12	0	1	0	0	1	1	13	7	8	0	0	0	6	25	0	0	1	3	8	1	3	10	5
Flint	Sealand .. H	13	19	1014·6	-	65·2	6·4	14·2	68	8·0	0	3	5	9	14	0	0	0	0	0	2	6	10	13	0	0	1	11	19	0	0	1	1	5	4	4	10	6
		18	19	1014·6	-	63·7	5·5	14·3	70	7·5	2	3	2	13	11	0	0	0	0	0	1	7	9	14	0	0	1	12	18	0	1	0	0	4	2	2	16	6
		1	29	1014·6	-	56·3	1·7	13·8	89	6·7	1	7	6	5	12	0	0	0	0	0	1	2	1	6	21	0	0	1	14	13	3	2	0	1	0	5	10	6	4
Anglesey	Holyhead .. H	7	29	1014·4	-0·5	56·5	1·4	14·2	91	8·0	2	2	3	6	18	0	0	1	1	2	4	2	4	14	3	0	1	15	12	3	0	1	2	0	6	6	3	10
		13	29	1014·9	-	60·3	3·4	14·3	80	7·9	1	4	2	11	13	0	0	0	0	1	2	1	6	14	7	0	1	16	14	0	3	0	0	0	5	7	5	11
		18	29	1014·8	-	59·6	3·0	14·4	82	7·5	1	1	8	13	8	0	0	0	1	0	0	3	4	10	13	0	1	14	16	0	4	1	0	0	6	9	7	4
Carnarvon	Llandudno ..	9	33	1014·9	-	60·5	3·4	14·3	80	7·0	2	4	3	18	4	0	0	0	0	0	1	4	5	19	2	0	0	3	28	0	2	3	0	1	1	7	16	1
8a SOUTH WALES.																																						
Cardigan	Ciliau Aeron ..	9	256	1016·1	-	60·4	2·6	15·2	83	8·1	2	1	5	7	16	0	0	0	0	0	0	9	22	0	0	0	0	0	14	17	0	1	0	1	3	3	8	3	12
		1	152	1015·6	-	56·8	1·3	14·4	92	7·7	1	2	5	12	11	0	3	1	0	0	0	5	8	14	0	0	2	9	19	1	3	3	1	1	3	4	8	7
Pembroke	St. Ann's Head ..	7	152	1015·1	-0·4	57·0	1·4	14·4	91	8·5	1	1	3	14	12	0	5	2	1	1	1	4	6	9	2	0	1	12	17	1	2	0	3	3	5	2	8	7
		13	152	1015·6	-	60·2	2·6	15·0	85	7·9	0	1	6	15	9	0	1	2	0	0	2	4	9	11	2	0	2	7	22	0	2	0	0	2	4	5	11	7
		18	152	1015·5	-	59·3	2·3	14·9	86	7·9	0	4	2	20	5	0	3	0	0	0	1	4	9	14	0	0	1	11	18	1	2	0	0	2	3	5	12	6

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside.

† New site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	TEMPERATURE AND HUMIDITY: Vapour Pressure	TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility: 7	8	9	WIND, NUMBER OF OBSERVATIONS: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Radnor Llandrindod Wells	9	725	1016·7	-	58·9	2·7	14·2	83	8·3	0	2	4	10	15	0	0	0	0	0	0	7	3	21	0	0	0	3	28	0	3	1	1	2	2	8	6	8
Rhayader	9	—	-	-	58·0	2·4	14·0	85	9·0	0	0	4	6	21	0	0	0	0	0	1	10	7	13	0	0	0	2	29	0	0	0	1	4	6	8	7	5
Glamorgan Cardiff	9	203	1016·6	-	60·9	3·7	14·3	78	8·1	0	4	4	4	19	0	0	0	0	0	3	13	8	7	0	0	0	7	24	0	0	2	2	0	2	12	13	0
	21	203	1017·1	-	58·6	2·7	14·0	84	6·3	5	5	2	8	11	0	0	0	0	0	2	11	0	18	0	0	0	2	29	0	0	2	1	1	0	3	22	2
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1016·3	-	62·2	4·0	14·8	77	8·7	0	4	0	4	23	0	0	0	0	0	3	14	9	5	0	0	0	5	26	0	1	2	2	1	3	8	10	4
Dorset Holton Heath H	9	58	1017·1	-	62·6	3·9	15·2	78	8·2	0	2	6	5	18	0	0	0	1	0	6	1	11	10	2	0	1	10	18	2	6	1	1	1	1	5	9	5
	15	58	1016·7	-	65·7	5·8	15·2	70	7·5	1	2	8	8	12	0	0	0	1	0	2	9	10	9	0	0	1	11	19	0	6	1	0	2	3	4	8	7
	1	37	1016·8	-	58·9	1·9	15·0	88	7·8	1	5	2	6	17	0	0	0	0	0	0	0	16	15	0	0	1	11	19	0	2	2	4	2	0	2	11	8
Dorset Portland Bill ..	7	37	1017·0	+1·2	59·7	1·6	15·8	90	8·5	0	3	2	8	18	0	0	1	0	0	0	4	12	14	0	0	0	15	16	0	1	3	3	2	2	6	10	4
	13	37	1016·7	-	62·2	2·5	16·4	85	7·7	1	4	3	10	13	0	0	1	0	0	0	7	10	13	0	0	0	16	15	0	2	0	4	1	2	7	11	4
	18	37	1016·3	-	61·2	2·2	16·1	87	7·2	2	1	4	19	5	0	0	0	0	0	0	1	14	16	0	0	1	16	14	0	0	0	3	1	0	7	12	8
Devon Moretonhampstead	9	801	1016·8	-	59·4	2·4	14·9	85	8·6	0	2	3	12	14	0	0	0	0	1	0	6	3	21	0	0	0	8	23	0	0	1	3	3	4	4	7	9
	15	801	1016·8	-	62·3	3·6	15·4	80	8·4	0	2	5	12	12	0	0	0	0	0	2	3	26	0	0	1	12	18	0	0	1	1	5	2	1	9	12
Devon Plymouth (Mount Batten) H	7	27	1017·1	-	58·6	1·3	15·5	92	8·4	0	4	2	12	13	0	0	1	0	0	0	6	6	12	0	0	0	7	19	5	1	2	4	0	3	7	5	4
	13	27	1017·2	-	63·4	3·9	15·7	79	8·1	1	2	1	20	7	0	0	0	0	0	4	2	4	21	0	0	1	11	19	0	1	0	1	3	3	13	4	6
	18	27	1017·2	-	62·4	3·8	15·2	79	7·5	1	1	5	19	5	0	0	0	0	1	1	2	3	24	0	0	1	11	19	0	0	0	2	1	6	4	10	8
Cornwall The Lizard	1	240	1017·9	-	56·7	0·8	14·9	95	6·9	4	3	3	7	14	0	3	3	1	0	0	1	3	20	0	0	1	12	13	5	1	1	2	1	2	5	10	4
	7	240	1017·3	-	58·4	1·2	15·4	93	8·0	0	5	3	8	15	0	5	3	1	0	0	2	5	15	0	0	0	14	15	2	0	2	3	1	2	6	6	9
	13	240	1017·8	-	63·0	3·9	15·3	78	7·3	0	5	5	13	8	0	1	3	0	1	1	2	6	17	0	0	1	17	12	1	1	0	4	1	2	4	13	5
	18	240	1017·8	-	61·0	3·2	14·9	82	6·9	0	8	4	9	10	0	2	2	0	0	1	1	5	20	0	0	0	11	17	3	1	1	4	0	1	4	13	4
Cornwall Newquay ..	9	161	1017·2	-	61·2	2·5	15·7	85	7·9	0	5	4	5	17	0	5	0	0	2	2	2	6	7	7	0	5	7	19	0	6	1	1	4	2	6	3	8
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1014·9	-	57·0	1·5	14·4	91	8·1	1	0	7	6	17	0	0	0	0	0	0	7	13	11	0	0	0	1	24	6	1	0	0	0	9	1	6	8
	21	127	1014·9	-	58·5	2·0	15·0	88	8·4	0	1	6	7	17	0	0	0	0	0	0	9	4	18	0	0	0	2	20	9	2	0	0	0	5	4	5	6
Mayo Blacksod Point ..	1	28	1013·5	-	55·8	1·6	13·7	90	7·8	1	1	6	10	13	0	0	0	0	0	0	3	8	20	0	0	1	8	19	3	1	0	1	2	9	1	8	6
	7	28	1013·6	-	56·5	1·6	14·0	90	9·0	0	1	2	8	20	0	0	0	0	0	0	3	7	20	1	0	1	7	23	0	5	0	0	0	4	7	3	5
	13	28	1014·3	-	59·3	3·1	13·9	81	8·6	0	0	6	8	17	0	0	0	0	0	0	4	7	17	3	0	1	10	20	0	1	0	0	1	10	2	9	8
	18	28	1014·6	-	58·8	3·0	14·0	82	8·2	0	2	5	9	15	0	0	0	0	0	0	4	5	20	2	0	2	10	19	0	3	0	0	0	6	5	10	7
Donegal Malin Head ..	1	87	1012·4	-	55·3	0·7	14·1	95	7·6	2	1	4	17	7	0	0	0	2	0	0	3	25	1	0	0	0	8	21	2	6	0	0	0	11	1	10	1
	7	87	1012·4	-0·7	56·3	0·8	14·5	95	8·2	0	3	1	22	5	0	0	0	1	0	0	5	23	2	0	0	0	8	22	1	6	0	0	1	1	9	3	6	4
	13	87	1013·1	-	59·0	1·2	15·8	92	8·0	0	1	5	22	3	0	0	0	0	0	1	3	22	5	0	0	0	8	23	0	9	0	2	3	6	0	8	3
	18	87	1013·1	-	58·4	1·3	15·1	91	8·1	1	0	3	21	6	0	0	0	0	0	0	6	20	5	0	0	0	7	24	0	9	0	3	0	6	0	10	3
Antrim Aldergrove H	7	245	1013·6	-	54·8	1·4	13·3	90	8·8	0	2	1	14	14	0	0	0	0	0	0	11	3	16	1	0	0	6	20	5	2	0	0	4	8	4	4	4
	13	245	1014·0	-	61·4	4·1	14·4	77	8·8	0	1	3	13	14	0	0	0	0	0	0	8	4	13	6	0	0	9	21	1	1	0	0	4	5	6	7	7
	18	245	1013·7	-	61·3	4·3	14·1	76	8·5	0	2	2	15	12	0	0	0	0	0	0	4	3	18	6	0	0	8	22	1	4	1	2	2	6	4	5	6
Armagh Armagh .. H	9	209	1013·6	-0·8	58·6	2·5	14·2	84	8·2	1	2	3	9	16	0	0	0	0	0	0	2	6	23	0	0	0	2	27	2	5	0	0	1	8	7	3	5
	21	209	1013·7	-0·8	58·0	2·4	14·1	86	7·0	0	7	2	11	11	0	0	0	0	0	0	3	9	19	0	0	0	1	22	8	2	0	0	0	7	4	7	3
10 IRELAND, S.																																					
Dublin Glasnevin ..	9	56	1014·3	-	60·5	3·8	14·4	78	7·9	0	0	12	5	14	0	0	0	1	6	2	4	0	18	0	0	0	0	31	0	0	5	3	2	0	5	10	6
	21	56	1014·7	-	59·7	3·7	13·7	79	6·9	2	0	12	8	9	0	0	0	0	2	0	2	2	25	0	0	0	1	29	1	0	1	3	2	0	5	14	5
Offlay Birr Castle ..	7	193	1014·4	-0·7	54·8	0·8	14·0	95	8·6	1	1	2	14	13	0	0	0	0	0	0	0	11	20	0	0	0	0	31	0	6	0	0	0	14	4	4	3
	13	193	1014·8	-	63·0	4·8	14·4	73	8·7	0	1	2	16	12	0	0	0	0	0	0	0	7	24	0	0	0	0	31	0	2	0	0	1	10	7	7	4
Waterford Seskin, Carrick-on-Suir	18	193	1014·6	-	63·1	4·7	14·4	74	8·4	1	1	1	16	12	0	0	0	0	0	0	0	5	26	0	0	0	0	31	0	1	0	0	0	9	6	9	6
	9	521	1015·7	-	59·6	2·5	14·5	85	7·8	0	4	3	14	10	0	0	0	0	1	0	1	6	7	16	0	8	5	16	2	2	0	0	3	1	5	9	9
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerry Valentia Observatory H	7	45	1016·2	+0·5	57·5	1·9	14·3	89	8·8	0	3	0	13	15	0	0	0	0	0	2	0	1	2	7	17	3	0	2	11	16	2	3	1	2	1	8	4	4	6
	13	45	1016·8	+0·6	61·2	3·5	14·7	80	9·0	0	1	1	18	11	0	0	0	0	0	1	4	4	18	4	0	0	0	19	12	0	1	1	1	2	7	5	8	6
	18	45	1016·5	+0·5	60·6	3·0	14·9	83	8·2	0	3	3	14	11	0	0	0	0	0	1	6	4	17	3	0	3	13	15	0	2	0	0	2	8	6	9	4
	21	45	1016·7	+0·3	58·6	2·3	14·5	86	7·5	0	7	2	9	13	0	0	0	0	0	0	8	6	14	3	0	0	15	13	3	3	0	1	3	9	5	1	6
	h.*	45	1016·4	+0·3	59·0	2·5	14·5	85																													
Cork Roche's Point ..	7	24	1015·9	+0·1	56·5	1·2	14·1	92	7·2	1	6	3	12	9	0	0	0	1	2	1	0	4	19	4	0	0	6	25	0	6	2	0	2	3	5	6	7
	13	24	1016·3	-	61·1	3·0	15·1	82	7·7	1	1	6	14	9	0	0	1	0	1	2	0	3	7	17	0	1	9	21	0	1	0	2	2	3	9	4	10
	18	24	1016·2	-	60·4	2·7	14·8	84	7·6	1	2	4	15	9	0	0	0	0	0	1	1	5	9	15	0	1	11	18	1	4	0	0	2	3	6	7	8
11 CHANNEL I. & SCILLY.																																					
Scilly St. Mary's..	1	199	1017·9	-	57·5	1·1	15·0	93	7·3	4	2	3	10	12	0	1	2	2	1	0	3	5	17	0	0	1	15	14	1	2	1	2	1	3	9	6	6
	7	199	1017·5	+1·3	58·8	1·5	15·4	91	8·0	1	3	2	13	12	0	2	1	2	1	0	3	5	16	1	0	1	17	13	0	3	2	2	2	3	6	5	8
	13	199	1018·0	-	64·0	4·0	15·9	78	7·2	1	4	6	13	7	0	0	1	2	1	1	2	7	17	0	0	1	20	10	0	2	0	3	2	3	6	8	7
	18	199	1017·8	-	61·6	3·1	15·4	82	6·9	3	2	3	15	8	0	0	0	0	1	4	4	1	21	0	0	1	14	16	0	2	0	1	3	2	7	7	9
Guernsey St. Peter Port H	1	186	1018·4	-	58·2	1·4	15·3	92	5·9	7	5	3	3	13	0	1	0	0	3	0	4	4	7	12	0	0	2	23	6	1	1	2	2	0	0	12	7
	7	186	1018·2	-	60·0	2·0	15·7	88	8·4	2	1	0	15	13	0	0	1	0	1	1	5	7	10	6	0	0	4	22	5	1	2	1	1	2	4	7	8
	13	186	1018·2	-	64·1	3·9	16·2	79	7·9	0	3	5	10	13	0	0	0	0	3	3	3	3	13	6	0	0	13	16	2	0	3	2	2	2	2	9	9
	18	186	1018·0	-	62·5	3·3	15·7	81	6·2	3	6	5	9	8	0	0	0	0	2	1	4	9	6	9	0	0	13	16	2	2	2	3	1	0	1	8	12
GIBRALTAR .. .. H	7	400	1015·9	-1·1	69·2	3·3	20·5	84	3·3	5	15	4	6	1	1	0	0	0	0	0	2	7	14	7	0	0	12	18	1	1	3	11	1	0	1	6	7
	13	400	1016·1	-	73·9	6·0	20·7	73	1·4	10	20	0	1	0	0	0	0	0	0	0	0	8	13	10	0	0	10	21	0	0	4	15	0	0	4	7	1
	18	400	1014·7	-	72·6	4·8	21·2	78	1·0	14	17	0	0	0	0	0	0	0	0	0	0	5	14	12	0	0	5	25	1	0	3	12	2	0	3	5	5
	21	400	1015·5	-	70·9	4·2	20·6	80	1·4	14	13	2	2	0	0	0	0	0	0	1	0	6	15	9	0	0	10	17	4	0	7	6	0	0	0	10	4
MALTA .. .. H	7	234	1014·5	-1·0	76·0	6·0	20·9	69	0·7	12	19	0	0	0	0	0	0	0	0	0	0	2	29	0	0	0	8	22	1	9	2	1	0	1	1	5	11
	13	234	1014·4	-	80·3	9·9	20·8	60	0·5	15	16	0	0	0	0	0	0	0	0	0	0	4	26	1	0	1	7	23	0	7	9	2	0	3	0	4	6
	18	234	1013·8	-	77·1	7·6	21·2	67	0·5	20	11	0	0	0	0	0	0	0	0	0	0	7	24	0	0	2	7	21	1	7	2	1	1	2	0	5	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 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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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AUGUST, 1937.—Warm; dry on the whole, particularly in England and Wales.

The weather of the month was warm and dry on the whole but rainfall was variable owing to heavy local falls during occasional thunderstorms. In England and Wales the month was notably dry in many places, absolute droughts occurring during the end of July and beginning of August and again in the last half of August.

The anticyclonic conditions experienced at the end of July were maintained during the opening days of August. A trough of low pressure west of Ireland moving east caused rain and local thunderstorms in many parts on the 4th and some scattered rain on the 5th. On the 6th, a depression south-west of Iceland and an associated trough west of Ireland, moved east; rain fell in Ireland, Scotland and parts of northern England, while thunderstorms were reported in northern England and southern Scotland. The 7th was a fair day on the whole, but a deep depression near the Faeroes and later, a shallow depression which moved from the north-west of Ireland across southern Scotland, caused further rain in the west and north on the 8th and over a somewhat wider area on the 9th. A shallow depression skirted the north-west coasts on the 11th and from the 12th-14th a shallow trough of low pressure initially situated over the Bay of Biscay and western France moved north-east. Scattered rain was reported on the 11th and the period 12th-14th was generally unsettled with severe thunderstorms and heavy rain at times. Subsequently, on the 16th and 17th a depression moved east over the British Isles and on the 18th another crossed the north of Scotland; rain fell generally on the 16th and at times in the north and west on the 17th and 18th.

The Azores anticyclone spread north-east on the 19th and thereafter anticyclonic conditions prevailed for the most part, particularly in England. Over large areas in the southern half of England and the Midlands an absolute drought was experienced from the 17th-31st. On the 24th and 25th a depression south of Iceland and an associated trough moved north-east and caused some rain in the west and north, and a shallow trough of low pressure moving slowly south-east over the British Isles caused further local rain from the 28th-30th and rather widespread thunderstorms in England on the 30th. On the last day a deep depression approached from the Atlantic and rain fell generally in the west and north.

Pressure and Wind.—Mean pressure exceeded the average throughout the British Isles, the excess at 7h. varying from 6·9 mb. at Lerwick to 3·2 mb. at Kew Observatory. In consequence the pressure gradient was less steep than usual and the month was rather quiet on the whole; at Southport, the mean daily run of the wind was less than in any other August (apart from August, 1932) since the anemograph station was established in 1898. A mean hourly velocity of more than 38 m.p.h. was registered at Lerwick for 1 hour on the 8th and at Stornoway during 10 hours on the 24th. Among the highest speeds recorded in gusts were 60 m.p.h. at Lerwick and 52 m.p.h. at Kirkwall on the 8th, 57 m.p.h. at Stornoway on the 24th and 52 m.p.h. at Bidston on the 18th.

Temperature.—Mean temperature exceeded the average generally, the excess in the districts varying from 1·2°F. in Scotland, N. to 2·6°F. in the Midlands. It was very warm at times during the first 12 or 13 days; 90°F. was reached in London (Camden Square) on the 6th and exceeded locally in south-east England on the 7th. In Scotland, 80°F. was approached or somewhat exceeded at numerous stations on one or other of the first three days and in Ireland, 82°F. was registered at Hazelhatch on the 2nd and 79°F. at a number of places on the 1st, at Phoenix Park, Dublin on the 2nd and at Glasnevin, Dublin, on the 6th. The coolest spell occurred on the whole during the third week but some low minimum temperatures were registered on the mornings of the 26th and 27th.

The extremes for the month registered in standard screens were:—(England and Wales), 92°F. at Canterbury and Tunbridge Wells on the 7th, 35°F. at Bellingham, Newton Rigg and Appleby on the 27th; (Scotland) 84°F. at Ruthwell on the 1st, 34°F. at Logie Coldstone, West Linton, Wolfelee and Eskdalemuir on the 27th; (Ireland) 82°F. at Hazelhatch on the 2nd and 36°F. at Markree Castle on the 26th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881-1915 was 63, the values for the constituent countries being England and Wales 46, Scotland 91 and Ireland 76. Owing to heavy local rain in thunderstorms the rainfall distribution was variable. In Scotland, more than the average occurred at a number of places in the north and east and at a few isolated stations in the west. More than twice the average fell at some places bordering the Moray Firth. In Ireland the deficiency was fairly general but again somewhat more than the average was registered at a few isolated stations. The deficiency was marked in England and Wales, more than the average being confined to stations where heavy thundery rains occurred. It was the driest August on record at a number of stations; for example, at Worksop since before 1875 and at Gorleston since before 1871. At Oxford, in a record which goes back to 1815, it was the driest August since 1822 i.e. for 115 years. An absolute drought was established during the last 15 days over considerable areas in southern England, south Wales and the Midlands. Many places in England also recorded an absolute drought during the latter part of July and the first 11 days of August.

There were, however, sharp falls of rain during thunderstorms when considerable damage and serious flooding were reported locally. Thunderstorms occurred chiefly on the 4th, 6th, 11th-14th and on the 30th; they were widespread from the 12th-14th and were severe over an unusually wide area on the 13th. Heavy hail was recorded locally on the 12th and 30th.

Among heavy falls in 24 hours or less may be mentioned:—

4th 1·18 in. in 40 minutes at Hornsey (London).

12th 3·39 in. at Montrose, 2·21 in. in rather less than 2 hours at Oughtershaw (Yorkshire), 2·56 in. at Portland Bill.

13th 3·31 in. at Inverness, 3·16 in. at Warrington, 3·13 in. at Nairn, 2·14 in. at Kew Observatory, 2·12 in. at Leyburn and 2·10 in. at Garvagh (Londonderry) and at Llangynhafal (Denbigh).

14th 2·30 in. at Cirencester and 2·04 in. at Diss (Norfolk).

30th 1·65 in. in a little over 60 minutes at Bromley.

Sunshine.—Sunshine exceeded the average over the country as a whole, the percentage of the average for districts 1–10 being 108 (see Table I). There was a deficiency along the east coast of Scotland from Aberdeen to Dunbar, in England, N.E., England, E. and locally elsewhere. There was a marked excess at some places in the west and north; for example, the percentage of the average was 139 at Whitworth Park, Manchester, 137 at Ilfracombe, 136 at Ruthwell, 135 at Stonyhurst and Swansea and 131 at Bolton and Darwen.

Fog.—Fog occurred rather frequently, particularly from the 1st-6th, 10th-14th, and 22nd-31st. It was recorded at the morning observation hour on 13 days at Barton, Manchester, 12 days at Attenborough and 9 days at Birmingham, Ross-on-Wye and Waterford.

Miscellaneous Phenomena.—Solar halos were noted at Oxford on 12 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *September 24th*, 1937.

TABLE I—DISTRICT VALUES— AUGUST, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	80	35	+1·2	-	-	112	-6	114	29
Eastern									
1 SCOTLAND, E.	79	34	+1·3	-	-	120	-3	103	30
2 ENGLAND, N.E.	83	35	+1·7	+2·1	+1·3	51	-5	95	33
3 ENGLAND, E.	88	41	+2·0	+1·1	+0·6	70	-8	92	39
4 MIDLAND COUNTIES ..	87	37	+2·6	+1·6	+1·3	26	-11	109	40
5 ENGLAND, S.E.	92	41	+2·5	+2·5	+1·5	72	-8	111	48
Western									
6 SCOTLAND, W. (*and I. of Man*)	84	34	+1·8	+1·7	+0·9	80	-5	112	32
7 ENGLAND, N.W. (*and N. Wales*)	85	35	+2·1	+2·1	+1·0	52	-5	113	39
8 ENGLAND, S.W. (*and S. Wales*)	88	39	+2·1	+2·4	+1·0	24	-8	118	47
9 IRELAND, N. ..	79	36	+1·6	+2·1	+1·1	91	-3	114	32
10 IRELAND, S. ..	82	40	+2·0	+1·5	+0·5	74	-4	111	37
11 CHANNEL I. (*and Scilly*)	89	53	+2·3	+2·8	+1·1	28	-8	111	55
Mean, DISTRICTS 1—10	92	34	+2·0	+1·9	+1·0	66	-6	108	38

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— AUGUST, 1937 [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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	8	1	6	41	261	382	59	0	(240)	39	17	8 10	60	27	8	11	25
Orkney Kirkwall	170	40	35	-	0	4	31	214	454	45	0	280	31	14	8 13	52	23	8	15	25
Hebrides Stornoway	—	40	36	24	10	9	60	178	352	144	0	180	42	19	24 06	57	25	24	09	50
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	-	0	1	1	72	389	282	0	330	24	11	19 16	45	20	19	15	20
Angus Bell Rock Lighthouse	130	—	126	-	0	8	26	290	289	139	0	140	31	14	16 23	40	18	16	22	45
Edinburgh Edinburgh	485	39	23	-	0	0	0	129	396	219	0	250	23	10	19 06	39	17	19	02	25
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42																	
Renfrew Paisley	188	81	31	-	0	0	0	25	378	341	0	310	17	8	19 13	38	17	18	17	45
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	0	0	65	374	305	0	300	21	9	19 15	40	18	18	17	50
Dumfries Eskdalemuir ..	825	50	35	-	0	1	1	112	371	260	0	200	24	11	24 15	42	19	31	23	15
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	-	0	5	28	201	315	200	0	290	30	13	19 08	45	20	19	07	15
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	-	0	0	0	135	437	172	0	280	24	11	19 10	40	18	20	09	10
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	36	356	352	0	270	21	9	19 09	37	17	17	11	45
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	6	29	186	405	124	0	270	29	13	19 01	46	21	19	00	05
Lincoln Cranwell	284	43	33	-	0	0	0	51	315	378	0	260	21	9	19 10	36	16	18	21	55
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	1	1	133	476	134	0	350	25	11	21 10	40	18	21	08	25
Suffolk Felixstowe Aero. ..	60	45	35	-	0	0	0	67	(498)	(179)	0	170	21	9	16 23	37	17	15	09	10
Suffolk Mildenhall	64	45	20	-	0	0	0	62	469	213	0	280	19	0	19 09	36	16	21	10	15
Bedford Cardington ..	285	150	135	-	0	0	0	96	356	292	0	230	24	11	18 22	42	19	18	21	45
Essex Shoeburyness ..	115	104	89	-	0	0	0	115	524	105	0	290	21	9	15 10	36	16	15	09	30
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	-	0	0	0	97	468	179	0	310	22	10	14 19	37	17	14	17	40
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	-	0	0	0	8	545	191	0	260	16	7	10 15	40	18	15	09	45
Surrey Kew Observatory ..	92	75	50	-	0	0	0	36	446	262	0	220	16	7	16 15	35	16	15	08	50
Surrey Croydon	313	105	70	-	0	0	0	113	418	213	0	270	24	11	17 15	39	17	30	17	15
Kent Dover	66	66	60	-	0	1	1	205	455	83	0	-	25	11	16 22	40	18	15	00	40
Kent Lympne	418	76	48	-	0	0	0	127	512	105	0	330	20	9	21 10	38	17	21	12	50
Hampshire Calshot	58	50	42	-	0	0	0	112	435	197	0	190	22	10	16 19	34	15	16	18	05
Wiltshire Boscombe Down ..	462	45	33	-	0	0	0	37	395	312	0	270	18	8	17 12	32	14	17	15	15
Wiltshire Larkhill	491	51	36	-	0	0	0	68	428	248	0	270	19	9	17 16	32	14	17	14	50
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	5	49	110	424	162	0	340	35	15	14 20	46	21	19	01	15
Lancashire Manchester (Barton)	153	83	80	-	0	1	3	89	321	331	0	270	25	11	19 10	51	23	6	19	50
Lancashire Southport	60	42	33	-	0	5	47	118	392	187	0	280	34	15	19 10	45	20	18	20	55
Cheshire Bidston Obs'y. ..	262	64	39	-	0	4	34	110	349	251	0	290	30	13	19 10	52	23	18	21	15
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	-	0	3	12	206	419	107	0	290	29	13	18 24	42	19	19	00	05
Flint Sealand	81	65	42	-	0	2	6	130	311	297	0	270	26	12	12 19	39	17	14	16	20
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	-	0	0	0	11	334	399	0	320	20	9	14 17	40	18	14	16	55
Devon Plymouth	185	88	65	-	0	0	0	48	409	287	0	-	22	10	14 14	35	16	14	15	05
Cornwall The Lizard	315	75	60	-	0	1	9	152	357	226	0	320	33	15	14 14	50	22	14	13	10
Cornwall Pendennis Castle ..	256	65	42	-	0	2	5	196	404	139	0	240	28	13	18 18	43	19	18	14	25
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30	-	0	0	0	68	226	224	226	-	24	11	19 06	42	19	19	04	35
Antrim Aldergrove	328	60	42	-	0	0	0	68	399	277	0	130	20	9	16 15	37	17	19	07	00
10 IRELAND, S.																				
Dublin Kingstown(Cup Anr.)	49	27	27	-	0	5	11	169	382	158	24	270	33	15	9 10	-	-	-	-	-
Clare Quilty	100	40	32	-	0	3	3	181	432	128	0	-	25	11	16 22	36	16	31	23	25
Kerry Valentia Observatory	98	41	33	-	0	1	3	180	410	151	0	190	26	12	31 22	50	12	31	22	45
Cork Cork	132	71	40	-	0	0	0	41	271	336	96	-	17	8	18 12	36	16	18	11	05
11 SCILLY ISLES																				
St. Mary's	230	65	57	-	0	3	14	191	428	111	0	340	30	13	14 05	51	23	14	06	05

‡‡ 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).

MONTHLY WEATHER CHARTS, AUGUST, 1937.

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

The dotted lines indicate the normal distribution of pressure in August, based on 45 years' observations, 1881–1915.

1010 1011 1012 1013 1014 1015 1016 1016 1017 1018 1019

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H I J K

SCALE 1:25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 66° 64° 62° 60° 58°

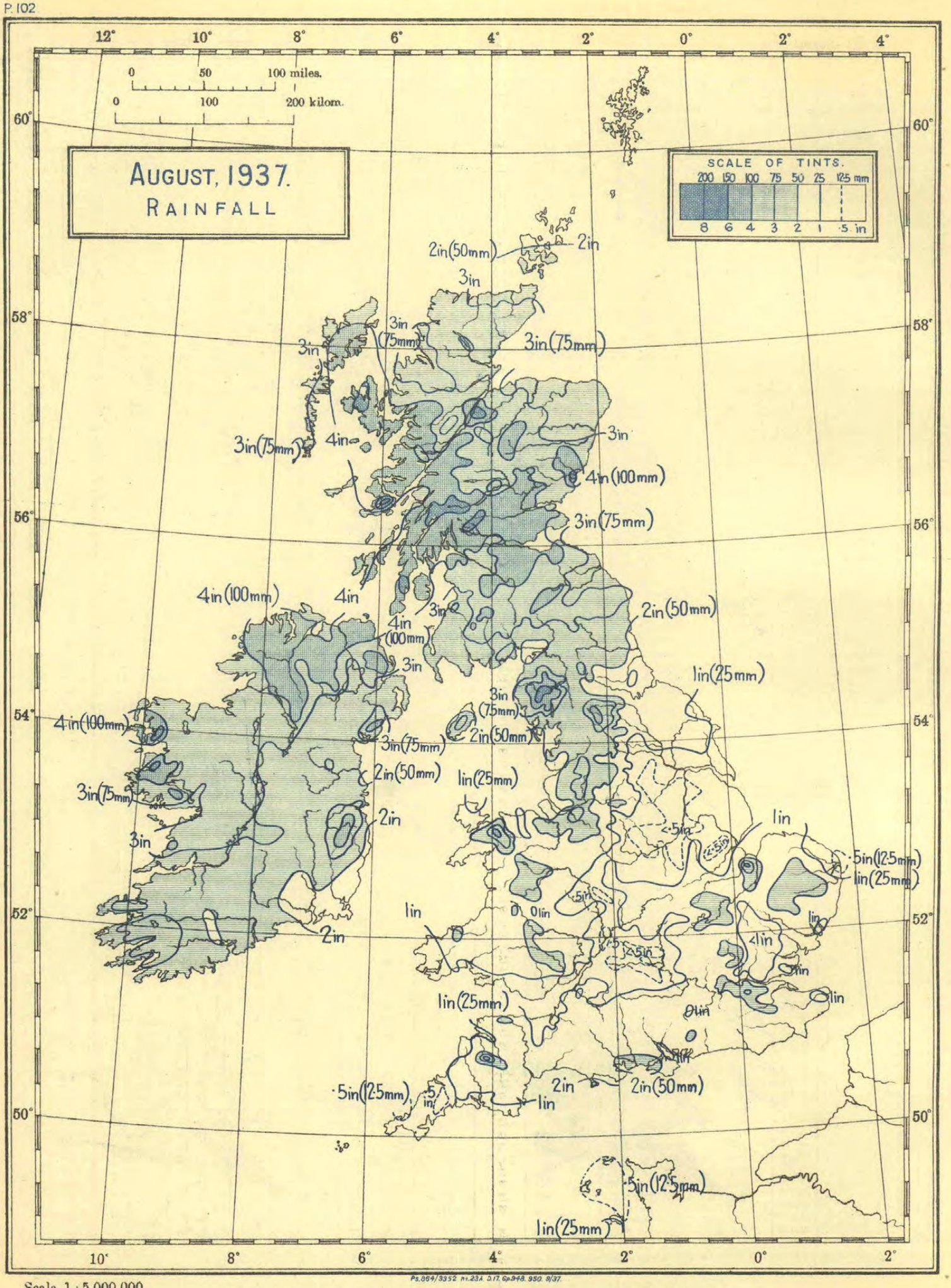
Sea temperatures are shewn in large figures, thus: (58)

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 8·0 7·0 6·0 5·0 4·0

H.M. Stationery Office Press, Kingsway W.C. 2

*The pressure is expressed in millibars



Scale 1 : 5,000,000.

Ps.864/3352 m.234 3.17. Gp.948. 950. 9/37.

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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER Number of days								BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage	
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft				Amount	Date	0·2 mm or more	1 mm or more								of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
0 SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	59·6	50·7	55·1	+1·4	63	12,27,28	37	31	56·2	-	1·69	43	51	·47	16	22	10	0	0	0	0	2	-	0	4·61	*116*	29
	Lerwick .. ¶§	18-7 7	156	57·7	51·0	54·3	+0·9	62	3	45	31	-	-	1·93	49	69	·63	16	16	10	0	0	0	0	2	-	1	3·95	*105*	25
Orkney	Deerness	2121 9	160	60·0	51·3	55·7	+1·3	65	12,28	48	13,29	-	-	2·35	60	82	·57	31	10	9	0	0	0	0	4	-	-	4·54	119	29
	Kirkwall .. ¶§	9 9 9	113	61·8	50·8	56·3	+1·7	71	1	43	30	57·2	-	2·20	56	74	·48	31	9	8	0	0	0	0	3	2	3	4·81	*125*	31
Hebrides	Skallary	101010	30	61·3	52·1	56·7	-	68	2	45	1,16	-	-	2·68	68	-	·55	31	20	14	0	0	0	0	-	-	-	-	-	-
	Stornoway(C.G.)¶§	18-7 7	80	60·3	52·0	56·1	+1·0	68	2	44	30	-	-	4·05	103	107	1·22	13	15	14	0	0	0	2	1	-	3	3·74	90	24
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skye	Duntulm ..	9 9 9	294	61·5	51·4	56·5	-	72	2	46	11,16,30	-	-	4·50	114	-	·92	13	16	10	0	0	0	1	0	0	3	3·94	-	26
Caithness	Wick	18-7 7	81	59·7	50·5	55·1	+1·3	65	8,12	37	30	-	-	3·09	79	112	·76	14	11	9	0	0	0	0	4	-	0	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	66·9	47·7	57·3	+1·2	80	1	40	18	-	-	3·38	86	51	·63	14	12	10	0	0	0	0	0	-	-	-	-	-
	Fortrose	9 9 9	69	65·4	52·2	58·8	+1·7	71	13	42	30	-	-	3·99	101	-	1·93	13	14	11	0	0	0	1	1	-	0	4·82	*111*	32
Inverness	Dalwhinnie † ..	18-7 7	1176	63·4	47·9	55·7	-	77	2	35	16	-	-	3·22	82	-	1·09	14	15	14	0	0	0	0	0	0	0	4·21	-	28
	Ft. Augustus ¶	9 9 9	68	65·3	50·9	58·1	+1·8	77	3	40	16	-	-	3·09	79	89	·78	14	13	11	0	0	0	1	0	-	0	4·25	*123*	28S
	Ft. William ..	9 9 9	34	64·3	51·6	57·9	+0·9	79	1	43	11	59·4	56·1	4·20	107	69	1·05	31	15	11	0	0	0	0	0	0	0	4·08	-	27S
	Inverness ¶§	9 9 9	242	64·1	51·0	57·5	+0·4	73	12	40	30	-	-	5·67	144	221	3·31	13	12	10	0	0	0	1	0	0	0	5·36	*127*	35
1 SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	64·3	50·6	57·5	+0·4	74	24	38	30	-	-	5·43	138	226	3·13	13	13	10	0	0	0	1	0	-	0	4·99	*121*	33
Moray	Forres	9 9 9	155	66·5	50·0	58·3	-	75	12,13	37	30	-	-	2·49	63	-	·50	14	10	9	0	0	0	2	0	-	0	5·40	-	36
	Gordon Castle ..	2121 9	104	67·2	50·0	58·6	+1·9	77	12	38	30	-	-	2·60	66	81	·85	14	15	10	0	0	0	1	-	-	-	5·04	*119*	33S
Banff	Banff	9 9 9	130	64·3	51·2	57·7	+1·0	74	12	40	30	-	-	2·23	57	82	1·05	18	14	8	0	0	0	1	0	0	0	4·49	*103*	30
Aberdeen	Aberdeen ¶§	242424	79	62·0	51·3	56·7	+0·5	71	28	43	27	58·3	55·6	2·25	57	82	·87	31	13	7	0	0	0	1	2	0	0	4·08	91	27
		18-7 -	—	62·3	50·9	56·6	-0·1																						
	Balmoral.. ..	9 9 9	927	64·5	46·6	55·5	+1·4	76	2	36	16,21,27	-	-	1·74	44	57	·62	14	13	8	0	0	0	0	-	1	0	-	-	-
	Braemar	2121 9	1111	64·8	46·2	55·5	+1·8	78	2,3	35	21,27	-	-	3·22	82	94	1·48	14	11	10	0	0	0	0	0	0	0	4·82	-	32S
	Craibstone ..	9 9 9	300	63·5	49·6	56·5	+0·6	71	28	41	27	57·4	54·7	2·09	53	71	·67	31	7	5	0	0	0	1	-	0	-	4·41	*89*	29
	Logie Coldstone..	9 9 9	608	65·5	47·0	56·3	+1·0	74	2,12	34	27	-	-	1·96	50	61	·46	14	11	9	0	0	0	2	0	-	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	63·4	50·5	56·9	-	73	28	38	27	-	-	3·49	89	-	1·36	31	13	8	0	0	0	1	1	-	-	4·39	-	29
Angus	Arbroath.. ..	2121 9	93	63·9	53·2	58·5	+1·6	70	1,20	43	27	-	-	3·92	99	134	·91	31	11	10	0	0	0	2	0	0	0	4·47	*83*	30
	Carnoustie ..	9 9 9	39	64·5	50·9	57·7	+0·7	70	23	43	16,27	-	-	3·54	90	113	·82	30	12	11	0	0	0	1	-	-	0	4·10	*84*	27
	Dundee .. ¶§	9 9 9	147	66·4	51·9	59·1	+1·5	73	12	44	27	61·3	-	3·25	83	100	·76	14	13	10	0	0	0	3	-	0	0	4·35	*93*	29
	Kettins	9 9 9	218	66·3	50·3	58·3	+1·6	76	3	39	27	61·3	-	4·28	109	117	1·62	14	14	12	0	0	0	2	2	0	0	-	-	-
	Montrose.. ..	9 9 9	16	63·0	51·1	57·1	*0·0*	70	23,28	41	18	-	-	7·21	183	-	3·39	12	11	9	0	0	0	1	0	-	0	4·61	*96*	31
Perth	Crieff	2121 9	478	65·7	50·3	58·0	+1·4	77	3	40	16	-	-	4·05	103	96	·94	14	13	13	0	0	0	1	-	-	0	-	-	-
	Perth	9 9 9	76	67·9	51·0	59·5	+1·8	77	3	38	27	-	-	3·94	100	116	1·34	14	12	12	0	0	0	1	-	-	-	4·48	*95*	30
Fife	Cupar	9 9 9	210	66·2	51·3	58·7	+1·5	73	6	40	27	-	-	4·38	111	-	1·28	14	12	12	0	0	0	0	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	66·1	51·5	58·8	-	75	3	42	16,27	62·4	59·4	4·19	106	-	·92	14	17	13	0	0	0	1	0	0	0	4·39	-	29
	Inchkeith ..	18-7 7	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kirkcaldy ..	9 9 9	137	66·1	49·8	57·9	-0·2	73	6	44	27	-	-	5·67	144	-	1·50	14	13	11	0	0	0	0	-	-	-	-	-	-
	Leuchars.. ..	18-7 7	36	64·7	50·3	57·5	+0·6	72	6	39	27	-	-	3·42	87	111	·63	14	13	12	0	0	0	2	2	0	0	4·64	*93*	31
	St. Andrews ..	9 9 9	13	64·5	51·7	58·1	+0·4	72	6	41	27	60·5	57·5	3·28	83	104	·87	31	12	11	0	0	0	2	1	0	-	4·57	*95*	30
Mid Lothian	Edinburgh—																												
	Blackford H. ¶§	2121 9	441	65·2	52·2	58·7	+1·6	74	3	45	27	-	-	4·13	105	129	·95	29	16	12	0	0	0	1	4	0	0	4·87	107	32S
	Boghall	9 9 9	639	65·6	50·5	58·1	+2·6	75	3	41	27	59·6	57·0	4·12	105	-	·99	29	14	12	0	0	0	0	4	0	0	5·04	*110*	34
	Liberton ..	9 9 9	190	66·9	51·1	59·0	-	75	6	39	27	-	-	4·58	116	-	1·01	29	14	12	0	0	0	2	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	67·2	52·0	59·6	-	74	6	41	27	60·5	57·6	4·26	108	-	1·02	29	13	12	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	64·1	51·7	57·9	-	74	6	41	27	-	-	3·00	76	-	·80	14	16	11	0	0	0	1	0	0	0	4·53	-	30
	N. Berwick ..	9 9 9	118	65·6	50·8	58·2	+0·2	75	6	40	27	-	-	2·66	68	89	·73	14	15	13	0	0	0	1	2	0	0	4·23	*86*	28
Berwick	Marchmont ‖ ¶§	2121 9	498	66·7	51·7	59·2	+2·7	75	6	41	27	-	-	2·87	73	87	·76	29	15	10	0	0	0	1	-	-	0	4·70	102	31S
	St. Abb's Head	18-7 7	280	63·0	52·6	57·8	-	72	6	48	27	-	-	2·22	56	-	·61	14	13	9	0	0	0	0	4	-	0	-	-	-
Peebles	Peebles	9 9 9	629	67·5	49·1	58·3	-	79	2	35	27	-	-	(3·08)	(78)	-	·75	29	15	15	0	0	0	0	0	1	0	(4·02)	-	27
	West Linton ..	9 9 9	820	65·9	48·1	57·0	+2·5	77	1,3	34	27	60·2	55·9	4·52	115	-	1·09	13	15	14	0	0	0	2	3	1	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	68·2	51·0	59·6	+2·1	77	1	37	27	-	-	2·37	60	80	·61	14	14	8	0	0	0	1	0	-	0	-	-	-
	Wolfelee	9 9 9	537	66·4	49·3	57·9	+2·1	78	1,3	34	27	-	-	2·91	74	87	·80	29	12	10	0	0	0	2	0	-	0	-	-	-
6a SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	65·5	(52·0)	(58·7)	(+1·8)	79	1	36	15,16	-	-	4·43	113	-	1·26	13	18	16	0	0	0	0	-	2	-	-	-	-
	Colonsay ..	9 9 9	87	62·5	50·6	56·5	-	75	2	43	11	-	-	3·88	99	-	·66	16,31	25	15	0	0	0	0	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	66·6	50·8	58·7	-	79	1	41	27	61·2	58·2	4·51	115	-	·84	6	15	15	0	0	0	0	0	0	-	3·48	-	23S
	Dunoon	9 9 9	132	64·5	52·3	58·4	-	77	1	46	15	-	-	4·94	125	-	1·04	16	12	12	0	0	0	0	0	0	0	4·01	-	27
	Glenbranter ..	9 9 9	188	66·5	49·0	57·7	+0·8	80	1	39	16	-	-	5·06	129	-	1·07	13	14	12	0	0	0	0	0	2	-	-	-	-
	Oban	9 9 9	229	63·1	52·6	57·9	-	76	1	48	11,16	-	-	3·69	94	-	·87	13	13	11	0	0	0	0	1	0	0	4·10	101	27
	Tiree .. ¶§	18-7 7	22	61·5	52·7	57·1	+0·4	71	2	44	15	-	-	3·54	90	84	·70	31	17	11	0	0	0	0	0	0	0	5·20	*107*	34
Bute	Rothesay ¶§	2121 9	200	64·3	52·5	58·4	+1·5	77	1	46	15	59·9	57·2	4·24	108	87	·98	13	15	12	0	0	0	2	0	0	0	4·71	*107*	31
Dumbarton	Cardross	9 9 9	130	66·1	51·2	58·7	+1·6	78	1	42	16,27	-	-	3·36	85	-	·79	30	14	13	0	0	0	0	0	-	-	3·96	*101*	26S
	Helensburgh ..	9 9 9	293	65·9	51·8	58·9	+1·4	78	1	43	27	-	-	4·22	107	82	·72	16	15	13	0	0	0	2	-	0	0	4·17	*103*	28
Stirling	Stirling	9 9 9	151	66·8	52·9	59·9	+1·8	77	3	43	27	61·5	57·4	3·99	101	-	1·12	14	14	12	0	0	0	1	0	0	0	4·17	*100*	28
Renfrew	Greenock	9 9 9	199	65·8	53·6	59·7	+2·2	77	1	47	15	-	-	3·69	94	68	·77	16	16	12	0	0	0	1	3	0	0	4·59	-	31
	Paisley	2121 9	106	68·0	53·5	60·7	+2·2	79	1,3	45	27	62·2	57·8	3·52	89	90	·70	31	13	11	0	0	0	1	0	0	0	4·55	103	30
	Renfrew (Abbotsinch) ¶§	18-7 7	19	67·2	51·3	59·3	+2·2	79	1	39	27	-	-	3·39	86	94	·72	31	13	11	0	0	0	1	3	0	0	4·52	*109*	30
Lanark	Carluke	9 9 9	534	66·3	51·5	58·9	-	78	1,3	43	16,27	-	-	4·04	103	-	·62	29	14	14	0	0	0	0	0	0	0	5·33	-	36
	Dungavel	9 9 9	798	63·9	48·9	56·4	+1·9	78	1	39	28	-	-	4·56	116	-	1·14	12	16	13	0	0	0	0	2	0	-	-	-	-
	Glasgow	9 9 9	85	66·7	53·8	60·3	+2·2	77	1	46	27	-	57·9	3·26	83	84	·63	13	13	12	0	0	0	2	2	-	0	4·51	-	30
Ayr	Auchincruive ..	9 9 9	89	67·1	50·1	58·6	-	78	2	40	27	61·7	58·9	2·30	58	-	·44	6	14	12	0	0	0	1	0	0	0	4·91	-	33
	Ayr	2121 9	43	65·9	52·7	59·3	-	74	2	48	16	-	-	2·41	61	-	·41	6	13	13	0	0	0	0	0	0	-	4·73	-	32
	Colmonell ..	9 9 9	170	65·6	51·7	58·7	+1·2	76	1	42	27	-	-	2·71	69	67	·65	6	15	11	0	0	0	2	0	0	-	-	-	-
	Kilmarnock ..	9 9 9	130	67·6	51·2	59·4	+1·5	81	1,2	40	15,27	62·0	59·4	3·34	85	-	·55	6	15	12	0	0	0	1	0	0	0	5·21	-	35S
	Troon	9 9 9	15	64·4	54·0	59·2	-	72	2	47	27	-	-	2·50	63	-	·43	31	14	12	0	0	0	1	0	0	0	5·16	-	35
	Turnberry ..	9 9 9	30	65·1	53·0	59·1	+1·1	72	1,2	48	27	-	-	3·04	77	-	·61	13	14	11	0	0	0	1	0	0	0	5·67	*121*	38
Dumfries	Dumfries.. ¶§	2121 9	140	67·9	52·2	60·1	+2·4	81	1	40	27	61·8	58·3	2·25	57	59	·60	31	12	11	0	0	0	2	0	0	0	5·14	*116*	35
	Eskdalemuir ¶§	242424	794	65·7	48·0	56·9	+2·4	78	1	34	27	59·5	54·1	3·85	98	75	1·64	14	14	12	0	0	0	1	2	1	0	4·75	*121*	32
		18-7 -	—	66·2	49·1	57·7	+2·9																						
	Ruthwell. ‖ ..	2121 9	67	69·4	51·1	60·3	+2·2	84	1	37	27	-	-	1·84	47	-	·52	31	11	9	0	0	0	0	-	-	0	5·62	*136*	38S

¶§ S *See* Notes on Tables on last page of this issue. ‖ On and after 18th April observations were taken one hour earlier than the times shown.

† Observations taken at 17h. G.M.T. instead of 18h. G.M.T. on Sundays during Summer time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS AUGUST, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
				°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%												hr	%	%
6b ISLE OF MAN		G.M.T.	ft																											
Isle of Man	Douglas	9 9 9	284	64·8	54·0	59·4	+1·6	73	1	47	16	–	–	2·20	56	58	·85	16	10	8	0	0	0	1	3	0	0	6·41	116	43
	Point of Ayre ..	18–7 7	30	66·9	53·1	60·0	–	74	2	46	16	–	–	1·20	31	–	·28	13,16	14	8	0	0	0	1	1	–	0	6·05	–	41
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	63·1	52·3	57·7	+0·2	72	6	40	27	–	–	2·74	70	112	·86	14	13	9	0	0	0	3	1	0	0	4·98	97	33
	Bellingham ..	9 9 9	849	66·4	49·4	57·9	+2·1	77	3	35	27	–	–	3·00	76	85	·61	14	14	11	0	0	0	2	0	–	–	–	–	–
	Cockle Park ¶§	2121 9	325	66·8	51·0	58·9	+2·1	75	1	43	16	58·5	57·4	2·58	66	82	·51	14	16	12	0	0	0	0	1	0	0	4·31	88	29
	Tynemouth ..	18–7 7	108	63·4	54·4	58·9	+0·4	73	6	48	16	–	–	1·38	35	50	·77	14	9	7	0	0	0	2	3	0	0	4·80	–	32
Durham	Chopwellwood ..	9 9 9	446	68·2	51·6	59·9	+2·8	80	1	42	27	–	–	2·46	62	84	·75	14	19	14	0	0	1	5	0	0	–	4·47	94	30
	Durham .. ¶§	2121 9	336	68·4	51·8	60·1	+2·4	79	3	41	27	–	–	1·50	38	60	·72	14	11	8	0	0	0	2	0	0	0	4·49	95	30
	Houghall	9 9 9	160	70·2	51·7	60·9	+2·1	78	3,7,23	38	27	–	–	1·31	33	–	·63	14	11	6	0	0	0	4	0	1	0	4·40	88	30
	Sunderland ..	9 9 9	70	65·6	53·7	59·7	–	76	6	48	16,27	–	–	1·83	46	–	·72	14	14	6	0	0	0	2	1	0	–	–	–	–
	Ushaw College ..	9 9 9	594	67·2	52·9	60·1	+2·5	76	3	45	27	–	–	2·14	54	74	·69	14	16	10	0	0	0	4	2	–	–	–	–	–
Yorks., N. Riding	Ampleforth ..	9 9 9	313	68·8	51·3	60·1	+1·6	80	3	44	16	–	–	1·32	34	–	·54	6	10	5	0	0	0	2	2	0	–	4·85	–	33
	Castleton ..	9 9 9	450	69·1	49·4	59·3	–	78	6	40	8	60·7	–	1·78	45	–	·54	14	15	13	0	0	0	1	0	0	–	–	–	–
	Catterick	18–7 7	175	69·6	51·9	60·7	–	82	3	43	27	–	–	·96	25	–	·30	14	10	5	0	0	0	3	1	0	0	4·96	–	34
	Scarborough †¶§	9 9 9	118	66·9	55·0	60·9	+0·6	78	6	49	1	–	60·6	·74	19	27	·33	20	10	5	0	0	0	3	2	0	0	4·80	92	33
	York .. ¶§	2121 9	57	70·7	53·6	62·1	+1·8	83	3	47	27	61·8	58·7	1·79	45	71	·55	11	13	6	0	0	0	3	1	1	0	5·31	109	36
Yorks., E. Riding	Hull	2121 9	8	70·3	54·6	62·5	+2·4	81	6	47	8	62·3	57·7	·77	20	26	·33	14	10	3	0	0	0	1	0	0	–	5·24	90	35
	Spurn Head ..	18–7 7	29	66·6	56·4	61·5	+0·8	82	6	51	19	–	–	·57	15	24	·22	14	8	4	0	0	0	0	4	–	0	5·08	86	35
Lincoln	Cranwell .. ††¶§	18–7 7	203	71·5	52·0	61·7	+1·4	80	3,6	41	18	62·6	60·7	·43	11	16	·15	14	6	3	0	0	0	4	8	0	0	5·32	89	36
	Cleethorpes ..	9 9 9	23	67·6	54·7	61·1	0·0	82	6	49	1,16,24	–	–	·64	16	–	·40	14	6	2	0	0	0	1	1	0	–	5·08	84	35
	Skegness ..	9 9 9	15	66·5	55·5	61·0	+0·9	76	6	46	16	–	–	·73	19	30	·61	14	4	3	0	0	0	3	0	0	–	5·14	85	35
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	68·1	55·6	61·9	+0·9	84	6	50	3,16	–	–	·96	25	40	·71	14	5	2	0	0	0	1	1	0	0	5·56	93	38
	Hunstanton ..	9 9 9	105	69·4	55·9	62·7	+0·6	82	6	50	31	–	–	1·15	29	–	·91	14	6	2	0	0	0	0	0	–	–	5·42	87	37
	Norwich	9 9 9	110	71·9	54·3	63·3	+1·8	86	6	47	16	62·5	–	·99	25	–	·71	14	7	4	0	0	0	–	0	0	–	6·14	102	42
	Sprowston ..	9 9 9	93	71·2	53·9	62·5	+1·0	85	6	46	30	–	–	1·08	27	–	·61	14	8	7	0	0	0	0	0	0	–	5·41	85	37
	Terrington ..	9 9 9	13	71·1	54·3	62·7	–	84	6	47	16	–	–	1·57	40	–	·86	13	6	4	0	0	0	2	0	0	–	5·14	–	35
	Thetford .. (Lynford Nursery)	9 9 9	99	72·6	51·3	61·9	–	86	6	41	23	64·0	61·2	1·89	48	–	1·19	14	6	6	0	0	1	3	0	0	–	5·37	–	37
	Yarmouth ¶§	18–7 7	5	66·3	57·2	61·7	+0·2	72	7,18	47	16	63·3	59·1	·28	7	11	·11	14	4	3	0	0	0	0	0	0	0	5·15	81	35
Suffolk	Bungay (Flix'n)..	9 9 9	79	72·4	54·6	63·5	+1·8	85	6	46	30	–	–	1·66	42	–	1·28	14	5	5	0	0	0	1	0	0	–	–	–	–
	Chadacre	9 9 9	250	73·0	53·7	63·3	–	84	6	46	16	–	–	2·08	53	–	·58	11	12	7	0	0	0	3	0	0	–	6·26	–	43
	Copdock	9 9 9	164	73·0	54·5	63·7	+2·6	87	7	47	30	63·6	60·6	1·89	48	–	·87	11	9	6	0	0	0	2	0	0	–	5·63	95	39
	Felixstowe Aero..	18–7 7	15	69·5	57·0	63·3	+1·0	76	7	51	2,16,23	–	–	·91	23	52	·29	14	8	6	0	0	0	4	0	0	0	6·25	93	43
	Lowestoft ..	9 9 9	82	69·0	56·3	62·7	+1·4	75	18	47	16	64·9	61·8	·44	11	20	·21	14	5	4	0	0	0	0	0	0	0	6·16	92	42
	Mildenhall ..	18–7 7	19	72·3	54·3	63·3	–	84	6	46	23	–	–	1·88	48	–	·82	13	9	6	0	0	0	2	8	0	0	5·47	–	37
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	73·3	54·2	63·7	+2·4	86	6	46	16	63·5	60·9	·88	23	37	·47	14	5	3	0	0	0	2	0	0	0	5·24	88	36
	(Univ. Farm) ..	9 9 9	78	73·1	54·2	63·7	–	85	6	46	23	–	–	·67	17	–	·40	14	8	3	0	0	0	2	0	0	0	5·63	–	39
Bedford	Luton	9 9 9	381	73·4	53·8	63·6	+3·1	85	6	41	18	64·8	61·5	1·72	44	–	1·39	14	5	4	–	–	–	–	1	0	–	5·78	97	40
	Woburn	9 9 9	291	72·5	52·8	62·7	+2·4	85	6	45	23	66·5	57·9	2·36	60	102	1·10	13	5	4	0	0	0	1	1	0	–	6·44	113	44
Hertford	Rickmansworth	9 9 9	192	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rothamsted ¶§	9 9 9	420	71·1	54·2	62·7	+2·6	83	6	48	15,23,29	62·3	–	1·82	46	73	1·11	13	5	4	0	0	0	2	1	0	0	6·04	102	41
	St. Albans ..	9 9 9	272	73·2	53·5	63·3	+2·4	85	6	44	23	64·9	–	2·15	55	94	1·10	14	5	4	0	0	0	0	0	0	–	–	–	–
Essex	Clacton-on-S. ¶§	9 9 9	53	69·1	57·3	63·2	+1·2	74	5,7,8	49	16	64·4	61·7	1·58	40	80	1·28	14	7	4	0	0	0	2	0	0	–	6·16	93	42
	Chelmsford ..	9 9 9	134	75·3	54·7	65·0	+4·0	88	7	45	16	–	–	·71	18	33	·54	14	3	3	0	0	0	1	–	–	–	–	–	–
	Chelmsford (Agr. St.)	9 9 9	193	74·6	53·7	64·1	–	88	7	48	23	–	–	·63	16	–	·37	14	5	3	0	0	0	1	–	0	–	6·29	–	43
	Earls Colne ..	9 9 9	168	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Halstead ..	9 9 9	140	74·8	54·4	64·6	+2·9	88	7	45	16,23	–	–	·74	19	–	·40	14	7	4	0	0	0	1	0	–	–	–	–	–
	Shoeburyness ..	18–7 7	11	71·3	56·2	63·7	+1·2	79	7	50	16,23	–	–	·78	20	44	·32	14	3	3	0	0	0	1	2	0	0	6·27	92	43
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	70·7	51·3	61·0	–	83	3	43	8	–	–	1·70	43	–	·54	14	11	6	0	0	0	2	0	0	–	5·04	–	34
	Bingley	9 9 9	610	67·7	51·6	59·7	–	78	3	41	27	–	–	1·37	35	–	·42	12	13	7	0	0	0	3	4	0	–	–	–	–
	Bradford ..	9 9 9	439	68·6	53·1	60·9	+2·4	78	3	46	8,16	60·1	57·9	1·13	29	42	·26	12	11	7	–	–	–	–	3	0	–	4·59	95	31
	Doncaster ..	9 9 9	30	71·2	50·3	60·7	–	81	3	37	27	–	–	·09	2	–	·04	9	7	1	0	0	0	1	1	2	–	4·84	–	33
	Giggleswick ..	9 9 9	575	67·7	50·4	59·1	+2·1	78	2	38	27	–	–	2·03	51	–	·63	13	12	8	0	0	0	4	0	–	0	5·12	123	34
	Harrogate ¶§	9 9 9	478	68·7	53·3	61·0	+3·0	81	3	45	27	60·2	58·5	·76	19	26	·25	14	10	5	0	0	0	2	1	0	0	5·18	102	35
	Huddersfield ..	2121 9	325	70·8	53·2	62·0	+2·9	80	1,3,6	40	16	61·1	58·5	·80	20	31	·16	6	10	8	0	0	0	4	1	0	–	4·51	99	31
	,, (Oakes)	9 9 9	761	69·8	53·0	61·4	+2·5	83	1	43	27	59·3	55·2	1·46	37	49	·25	9	16	10	0	0	0	4	8	0	0	–	–	–
	Meltham .. **	9 9 9	514	68·6	51·7	60·1	+1·8	79	1	39	27	59·0	58·4	1·85	47	51	·49	12	13	10	0	0	0	3	3	0	–	–	–	–
	Pontefract ..	9 9 9	255	69·1	53·4	61·3	+1·1	79	3	47	27	–	–	·38	10	16	·12	12	10	3	–	–	–	–	6	0	–	4·91	–	33
	Sheffield	9 9 9	428	70·4	54·5	62·5	+2·6	79	3,6	46	27	60·0	57·5	·58	15	23	·23	14	7	5	0	0	0	3	–	0	0	4·96	98	34
	Wakefield ..	9 9 9'	124	72·2	52·5	62·3	+2·1	82	3,6	40	27	61·8	58·2	·56	14	22	·14	14	10	6	0	0	0	4	4	0	–	4·74	99	32
Derby	Belper (School) ..	9 9 9	222	72·2	50·9	61·5	+1·8	83	3	42	16,18	–	–	·43	11	15	·16	13,16	5	3	0	0	0	2	–	–	–	–	–	–
	Buxton ..	9 9 9	1007	66·8	51·1	58·9	+2·0	77	3	40	27	59·5	57·1	1·35	34	31	·39	13	9	5	0	0	0	2	2	0	–	5·37	114	36
Nottingham	Attenborough ..	18 7 7	89	73·0	51·7	62·3	–	83	3	40	27	62·6	57·9	·60	15	–	·28	14	5	3	0	0	0	1	12	0	0	–	–	–
	Mansfield ..	9 9 9	357	71·3	52·8	62·1	+1·5	82	6	43	27	–	–	·59	15	–	·18	9,11	6	6	0	0	0	2	4	–	–	–	–	–

† 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.

†† New Site as from December 9th, 1936.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS AUGUST, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F					
Nottingham	Nottingham ¶§	9 9 9	192	72·0	53·9	62·9	+2·5	82	3	46	16,23	61·9	61·5	·39	10	16	·19	14
cont.	Sutton Bon'gton	9 9 9	157	72·0	51·8	61·9	+1·4	82	3,6	42	23	62·3	-	·50	13	22	·31	13
	Worksop ..	9 9 9	56	71·7	50·7	61·2	+0·7	82	3	39	27	61·5	58·0	·20	5	8	·05	13,16
Leicester	Belvoir Castle ..	2121 9	259	71·6	52·5	62·1	+2·4	81	3,6	44	8	62·8	57·9	·76	19	29	·45	4
	Leicester ..	9 9 9	325	71·2	51·6	61·4	-	82	6	42	16,28	61·6	59·1	·50	13	-	·14	16
Northampton	Oundle	9 9 9	147	72·1	52·7	62·4	+2·3	83	6	44	23	61·8	58·5	1·11	28	-	·61	14
Warwick	Birmingham ¶§	18–7 7	535	71·0	55·2	63·1	+2·8	81	6	49	15,16	58·9	55·2	·97	25	36	·50	13
	,, Sparkhill	713 7	425	74·2	52·4	63·3	+3·2	85	6	45	16	-	-	1·31	33	46	·83	13
	Coventry.. ..	9 9 9	241	72·9	51·8	62·3	+1·5	84	6	43	16	64·3	61·9	1·52	39	52	·48	12
	Rugby	2121 9	390	72·7	52·0	62·3	+2·3	83	3,6	44	29	-	-	1·13	29	-	·48	14
	Stratford-on-Avon	9 9 9	210	73·1	51·9	62·5	-	84	6	44	15,29	-	-	1·11	28	-	·36	14
Oxford	Oxford .. ¶§	9 9 9	208	74·5	54·5	64·5	+3·2	87	6	47	15	64·7	61·1	·44	11	19	·22	14
Bucks	Halton	9 9 9	544	72·8	55·0	63·9	-	85	6	45	15	64·5	59·6	2·02	51	-	1·71	14
	Mursley	9 9 9	490	71·8	54·8	63·3	+3·2	82	6	45	16	60·0	-	1·07	27	42	·73	14
Stafford	Market Drayton	9 9 9	581	70·6	50·8	60·7	-	81	3	41	15	-	-	1·04	26	-	·42	13
	Mayfield	9 9 9	374	71·3	49·6	60·5	+2·3	82	3	40	16,27	-	-	·49	12	15	·16	16
Shropshire	Newport	9 9 9	211	71·3	50·7	61·0	-	82	3	41	16	-	-	·99	25	36	·31	13
	Shrewsbury ..	9 9 9	184	72·4	51·9	62·1	+1·7	82	6,12	45	16,21	63·0	60·6	1·65	42	-	1·14	12
Worcester	Malvern	9 9 9	380	73·0	55·6	64·3	+3·0	84	6	50	15,28	63·8	60·8	·43	11	15	·21	12
	Worcester .. (Perdiswell)	9 9 9	94	74·6	51·5	63·1	+1·9	83	3,6,12	44	28	-	-	1·26	32	-	·68	12
Hereford	Bromyard ..	9 9 9	393	72·0	50·5	61·3	+1·8	81	3,6	41	29	63·1	59·3	1·99	51	-	1·58	12
	Hereford ..	9 9 9	292	72·2	51·2	61·7	+1·7	85	3	43	29	-	-	1·99	51	77	1·34	12
	Ross-on-Wye ¶§	18–7 7	223	72·1	52·2	62·1	+1·6	83	6	45	21,28,29	63·4	60·6	·87	22	34	·46	12
Gloucester	Bristol (Horfield)	18–7 7	206	73·9	55·2	64·5	-	85	6	48	21	65·2	62·3	1·23	31	-	·81	13
	Cheltenham ..	2121 9	214	74·2	53·9	64·1	+2·4	84	6	47	15	65·3	63·5	·65	17	25	·23	13
	Cirencester ..	9 9 9	443	71·9	51·4	61·7	+1·6	83	6	44	20	-	-	3·00	76	-	2·30	14
	Parkend	9 9 9	325	71·0	51·1	61·1	-	82	6	42	16	62·3	59·3	1·03	26	-	·48	12
5 ENGLAND, S.E.																		
London	City, Bunhill Row..	—	—															
	Camden Square ..	9 9 9	110	76·2	57·8	67·0	+3·3	90	6	51	15,16,23	64·0	60·0	1·34	34	61	·52	13
	East Ham ..	9 9 9	15	75·5	57·1	66·3	+3·7	88	6	50	16	-	-	·80	20	38	·28	16
	Enfield	9 9 9	148	-	56·7	-	-	-		49	16,23	-	61·5	2·03	52	85	·94	13
	gGreenwich ..	2424 9	149	77·1	55·9	66·5	+3·5	92	6	47	16	61·6	58·9	1·69	43	77	1·01	30
		21 9 –	—	77·1	56·0	66·5												
	Hampstead ..	9 9 9	450	72·6	54·8	63·7	+2·6	86	6	47	15,16	-	-	2·67	68	-	1·56	13
	Kensington ..	18–9 9	80	74·4	57·5	65·9	+2·7	87	6	51	15,16	65·0	61·7	1·99	51	92	1·28	13
	Kingsway ..	—	—															
	Regent's Park ..	9 9 9	129	75·3	57·6	66·5	-	87	6	51	15,16	-	-	1·24	31	-	·58	13
	Kew ¶§	242424	18	74·1	57·2	65·7	+3·5	85	6	50	16	65·5	61·7	2·98	76	133	2·14	13
	Observatory ..	18–7 –	—	74·1	57·1	65·6	+2·6											
	Tottenham ††¶§	2121 9	51	75·7	58·2	66·9	+3·7	88	6	52	15,16	-	62·9	3·04	77	149	1·79	13
	Westminster ..	9 9 9	27	75·4	58·9	67·1	+3·8	87	6	51	16	-	-	·93	23	41	·41	14
Surrey	Addington ..	9 9 9	472	73·1	55·5	64·3	+3·6	85	6	49	15	-	-	2·36	60	-	·86	30
	Croydon	18–7 7	217	74·9	56·2	65·5	+3·4	87	6	50	16,23,31	-	-	2·50	63	108	·96	13
	Wisley	9 9 9	150	74·6	53·9	64·3	+2·6	88	6	47	16,23,30	65·2	62·2	1·16	29	-	·45	12
Kent	Biggin Hill ..	18–7 7	567	72·2	54·7	63·5	+3·1	85	7	49	2,16,29	-	-	1·52	39	57	·67	13
	Bromley	9 9 9	213	75·5	55·5	65·5	-	87	6	48	16	-	-	2·33	59	106	1·65	30
	Canterbury ..	9 9 9	135	75·0	55·9	65·5	+3·2	92	7	48	9,16	63·7	61·1	·80	20	-	·33	16
	Dover	9 9 9	22	70·7	57·9	64·3	+2·6	82	7	51	17	67·0	64·6	1·12	28	-	·50	12
	Dungeness ..	18–7 7	20	70·5	56·0	63·3	+1·5	80	7	48	16	-	-	1·29	33	66	·72	16
	East Malling ..	9 9 9	132	73·8	52·7	63·3	+1·9	90	7	45	6,16,23	-	-	1·77	45	-	·56	14
	Folkestone ..	9 9 9	101	71·5	57·5	64·5	+2·2	86	7	52	15,16	-	60·9	1·01	26	-	·51	16
	Goudhurst ..	9 9 9	290	73·5	52·6	63·1	-	89	7	46	9	-	-	3·88	99	-	2·06	13
	Lympne	18–7 7	346	70·8	55·5	63·1	+2·4	84	7	48	16	-	62·8	1·16	29	50	·60	16
	Manston	18–7 7	142	70·7	57·1	63·9	-	87	7	49	16	-	-	1·55	39	-	·99	14
	Margate .. ¶§	9 9 9	51	69·7	59·6	64·7	+1·6	82	6	52	16	66·7	64·1	1·42	36	74	·88	14
	Tunbridge W. ..	9 9 9	355	74·8	54·0	64·4	+3·1	92	7	44	16	65·3	63·0	1·96	50	-	·84	14
	Wye	9 9 9	164	74·0	55·3	64·7	+3·0	89	7	47	16	-	-	1·24	31	-	·39	16
Sussex	Ardingly ..	9 9 9	437	74·3	54·7	64·5	+4·0	90	7	46	16	-	-	1·78	45	-	·56	16
	Beachy Head ..	18–7 7	502	68·2	56·3	62·3	+2·0	82	7	49	15,16	-	-	1·78	45	-	1·09	16
	Brighton ..	9 9 9	32	70·9	57·0	63·9	+1·6	79	8,12	51	16	-	63·6	1·16	29	54	·73	16
	Eastbourne ..	2121 9	35	71·1	57·7	64·4	+2·5	82	7	52	15,16	65·7	63·2	1·80	46	73	·93	16
	Hastings ¶§	2121 9	149	71·0	56·6	63·8	+2·5	79	7	49	15	66·8	62·1	1·75	44	73	·75	16
Berkshire	Ascot H'therw'd	2121 9	300	74·6	53·9	64·3	+3·2	87	6	47	16	-	-	1·33	34	-	·40	14
	Reading	9 9 9	152	74·8	54·6	64·7	+3·3	87	6	47	16	65·0	62·3	·69	18	-	·22	14
	Shinfield ..	9 9 9	200	75·1	53·5	64·3	+3·1	87	6	46	29	-	-	1·29	33	-	·53	14
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
									hr	%	%
4	3	-	-	-	-	1	0	-	4·88	96	33
4	3	0	0	0	0	4	0	-	5·00	91	34
7	2	0	0	0	4	-	0	0	4·90	94	33
4	3	-	-	-	-	-	0	-	5·35	93	36
5	5	0	0	0	2	1	0	-	5·51	-	38
6	5	0	0	0	2	1	0	-	5·80	106	40
6	4	0	0	0	3	9	0	0	6·12	117	42
-	-	-	-	-	-	-	-	-	-	-	-
6	5	0	0	0	0	-	1	-	6·02	-	41
7	7	0	0	0	3	3	-	-	6·81	-	47
3	3	0	0	0	1	1	0	0	6·52	114	45
3	3	0	0	0	3	1	0	-	6·44	-	44
5	3	-	-	-	-	-	-	-	6·58	116	45
6	6	0	0	0	4	3	0	-	6·41	-	44
6	4	0	0	0	3	-	0	-	6·05	121	41
7	5	0	0	0	2	3	0	-	5·81	-	40
7	6	0	0	0	3	1	0	0	5·56	-	38
3	3	0	0	0	1	1	0	-	7·21	125	49
5	4	0	0	0	2	-	0	-	6·51	-	45
4	4	0	0	0	2	6	0	-	-	-	-
4	4	0	0	0	2	0	0	0	-	-	-
4	4	0	0	0	2	9	0	0	6·53	118	45
8	5	0	0	0	0	1	0	0	-	-	-
4	4	0	0	0	1	0	0	0	6·75	123	46
4	4	0	0	0	1	3	0	0	6·80	116	47
4	4	0	0	0	1	1	0	-	7·07	-	48
									5·51	99	38
4	4	0	0	0	2	-	0	-	-	-	-
7	5	-	-	-	-	-	-	-	-	-	-
6	6	0	0	0	3	1	0	-	5·83	101	40
8	5	0	0	1	4	0	0	0	5·54	92	38
6	5	0	0	1	3	-	(0)	-	6·23	108	43
5	4	0	0	0	2	0	0	0	5·91	-	41
									5·95	-	41
3	3	0	0	0	3	0	0	-	5·95	106	41
4	4	0	0	0	3	0	0	0	6·78	115	47
8	5	0	0	0	2	-	0	-	5·82	97	40
4	4	0	0	0	2	-	0	-	6·05	104	42
7	6	0	0	0	2	0	-	-	-	-	-
7	5	0	0	0	1	2	3	0	6·02	97	42
6	5	0	0	0	1	3	0	0	6·10	102	42
7	6	0	0	0	3	5	0	0	6·34	97	44
7	7	0	0	1	3	0	0	-	-	-	-
5	4	-	-	-	-	-	0	-	-	-	-
5	3	0	0	0	1	1	0	0	6·68	97	46
6	4	0	0	0	1	3	-	0	-	-	-
8	6	0	0	0	4	0	0	0	6·43	99	44
5	4	0	0	0	1	0	0	-	6·73	98	46
9	7	0	0	0	3	1	0	-	-	-	-
7	5	0	0	0	1	2	0	0	7·21	105	50
5	4	0	0	0	1	2	0	0	6·28	-	43
6	4	0	0	0	1	1	0	0	6·36	91	44
6	5	0	0	0	3	0	0	0	6·60	103	46
5	5	0	0	0	0	-	0	0	6·85	107	47
5	4	0	0	0	2	-	0	-	-	-	-
6	4	0	0	0	1	7	-	-	-	-	-
3	3	0	0	0	0	0	0	0	7·26	108	50
3	3	0	0	0	2	1	0	-	7·68	107	53
4	3	0	0	0	1	0	0	0	7·91	114	55
7	5	0	0	0	2	2	0	-	6·84	111	47
5	4	0	0	0	2	-	0	0	-	-	-
7	5	0	0	0	1	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

†† 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 AUGUST, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	Weather Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean hr	Percentage of Average	Percentage of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in													
Hampshire	Bournemouth ..	9 9 9	139	72·9	54·5	63·7	+2·0	85	7	49	2,25,28	64·1	62·4	2·23	57	88	1·21	12	4	3	0	0	0	1	0	–	–	7·46	114	52
	Calshot	18–7 7	8	72·3	56·5	64·4	+2·8	82	7	50	15	–	–	·88	22	44	·40	16	4	3	0	0	0	3	5	0	0	7·50	*116*	52
	Leckford ..	9 9 9	385	72·6	52·7	62·7	–	83	6	47	15,25,28	63·0	–	1·45	37	–	·63	12	6	5	0	0	0	–	0	–	–	6·37	–	44
	Long Sutton ..	9 9 9	479	74·2	54·0	64·1	+3·0	86	6	49	16,20	66·5	–	1·98	50	–	·71	14	6	5	0	0	0	1	0	0	–	6·29	*102*	43
	Southamp'n ¶§	2121 9	64	73·9	55·8	64·9	+2·8	84	7	48	15	–	–	1·24	31	47	·49	16	7	6	0	0	0	1	0	0	0	7·15	114	49
	S. Farnboro' †† ..	18–7 7	226	74·5	51·4	62·9	+1·6	87	6	42	23	–	–	1·68	43	76	·79	12	7	4	0	0	0	4	5	0	0	6·70	*110*	46
I. of Wight	Newport	9 9 9	48	75·5	53·0	64·3	+2·4	90	7	47	1,23,25	–	–	1·55	39	–	·79	16	4	4	0	0	0	2	0	0	0	–	–	–
	Ryde	9 9 9	13	72·3	57·6	64·9	+2·6	83	7	53	2,16	–	–	·91	23	–	·53	16	4	3	0	0	0	2	0	–	0	7·49	*107*	52
	Sandown ..	9 9 9	13	71·5	57·0	64·3	+1·9	86	7	51	2,15	–	–	1·13	29	–	·54	12	6	3	0	0	0	2	0	–	–	7·55	111	52
	Totland Bay ..	9 9 9	140	70·3	55·7	63·0	+1·6	83	7	50	23,26	–	–	2·28	58	101	·71	12	5	5	0	0	0	1	4	0	0	7·35	111	51
	Ventnor(Hospital)	9 9 9	59	71·2	58·1	64·7	+2·3	84	7	52	15	–	–	1·64	42	82	·74	16	6	5	0	0	0	1	–	–	0	7·18	107	50
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	72·7	52·6	62·7	–	84	6	45	28	–	–	·91	23	–	·34	12	6	4	0	0	0	2	8	0	0	6·67	–	46
	Larkhill	9 9 9	440	73·3	52·5	62·9	+2·9	84	6	45	30	–	–	1·03	26	48	·41	12	5	4	0	0	0	2	0	0	0	–	–	–
	Marlboro' ‖ ¶§	9 9 9	424	74·0	48·1	61·1	+2·1	84	6	41	23	62·1	58·6	·86	22	33	·24	12	8	5	0	0	0	2	3	0	0	6·49	119	45
	Porton	9 9 9	363	73·6	51·3	62·5	+2·8	84	6	44	28,30	63·8	–	1·13	29	50	·26	12	6	5	0	0	0	2	0	0	0	6·98	*114*	48
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	68·3	51·8	60·1	+2·2	82	1	40	27	61·6	58·0	3·15	80	60	·56	13	11	8	0	0	0	2	0	0	0	5·15	*121*	35
	Newton Rigg ¶§	2121 9	560	68·5	49·8	59·1	+2·2	80	3	35	27	–	–	2·24	57	63	·51	31	17	9	0	0	0	3	0	1	0	5·09	109	34
Westmorland	Ambleside ..	9 9 9	145	70·6	51·3	60·9	–	82	1	39	27	–	–	4·16	106	–	1·22	16	11	9	0	0	0	1	0	–	–	4·76	–	32
	Appleby	9 9 9	440	68·6	49·5	59·1	+2·4	79	1	35	27	–	–	1·57	40	48	·43	31	14	9	0	0	0	1	–	–	–	–	–	–
Lancashire	Bolton	9 9 9	342	70·5	52·7	61·6	+2·7	80	1	45	16	60·9	57·6	3·14	80	69	·94	13	11	10	0	0	0	3	–	0	–	5·38	131	37S
	Burnley	9 9 9	458	68·5	50·4	59·5	+1·6	79	1	40	27	60·7	57·9	1·85	47	–	·50	13	12	11	0	0	0	3	1	0	–	5·34	*124*	36
	Darwen	2121 9	724	70·6	51·7	61·1	+3·4	83	3	44	27	61·3	57·6	2·36	60	46	·44	25	11	9	0	0	0	5	1	0	–	5·67	*131*	39
	Hutton	9 9 9	82	69·7	52·5	61·1	+2·2	80	1,2	44	16	61·2	58·5	2·39	61	–	1·22	13	9	8	0	0	0	2	0	0	0	5·45	*112*	37
	Lancaster ..	9 9 9	312	70·0	54·0	62·0	+2·9	80	1	48	16,20,27	61·4	59·0	2·64	67	58	·90	13	13	7	0	0	0	1	0	0	–	5·27	110	36
	Leyland	9 9 9	125	70·2	51·7	60·9	+2·7	81	1,2	42	27	–	–	2·34	59	61	1·09	13	12	7	0	0	0	4	2	0	–	5·83	*119*	40
	Manchester (Barton) ..	18–7 7	70	70·8	50·0	60·4	–	81	1	39	16	–	–	2·67	68	–	·79	14	15	8	0	0	0	4	13	0	0	5·60	–	38
	(Oldham Road)	2121 9	191	72·5	56·8	64·7	+3·8	85	1	50	8,9,27	63·4	61·0	2·69	68	73	·95	6	13	10	0	–	0	4	–	0	–	4·79	124	32S
	(Whitworth Pk.)	2121 9	125	71·9	53·6	62·7	+2·7	82	1	46	27	–	–	1·23	31	36	·38	6	12	8	–	–	–	–	1	0	–	5·64	139	38
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	70·1	53·1	61·6	+2·1	82	2	44	22	62·9	58·1	1·37	35	39	·75	13	9	7	0	0	0	3	0	0	0	5·90	106	40
	Stonyhurst ¶§	9 9 9	377	68·2	52·9	60·5	+2·2	78	1	44	27	–	–	2·89	73	57	1·05	12	11	10	0	0	0	4	1	0	0	6·43	135	44
Cheshire	Bidston Obs'y ..	9 9 9	198	67·9	56·2	62·1	+2·6	78	2	51	27	–	–	1·63	41	53	·47	25	12	8	0	0	0	2	1	0	0	5·98	*115*	41
	Hoylake	9 9 9	23	69·8	54·0	61·9	+1·8	80	2	44	8	–	–	1·44	37	49	·60	13	9	7	0	0	0	1	–	0	–	6·19	112	42
	Macclesfield ..	9 9 9	500	70·8	53·5	62·1	+3·4	79	2,3,12	45	27	–	–	1·21	31	32	·32	6	10	8	0	0	0	2	0	–	–	–	–	–
	West Kirby ..	9 9 9	25	71·3	55·5	63·4	+1·8	82	2	47	8	–	–	1·17	30	38	·39	13	8	8	0	0	0	3	0	0	–	6·17	*110*	42
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	71·3	53·1	62·2	+1·9	81	1,2,6	42	8	–	–	1·29	33	–	·42	12	11	6	0	0	0	1	1	–	–	–	–	–
	Rhyl	9 9 9	31	69·5	54·2	61·9	+2·0	79	2	46	8	–	–	1·45	37	51	1·12	13	6	4	0	0	0	0	0	0	0	5·58	100	38
	Sealand .. ¶§	18–7 7	16	71·0	52·6	61·8	+2·3	82	2	41	8	62·5	58·8	1·47	37	51	·57	12	13	6	0	0	0	5	4	0	0	5·96	*116*	41
Anglesey	Holyhead ¶§	18–7 7	26	65·2	56·1	60·7	+1·6	73	2	51	22	–	–	1·61	41	51	·53	12	12	7	0	0	0	2	1	0	0	5·45	*99*	37
Denbigh	Colwyn Bay ..	9 9 9	118	68·5	55·1	61·8	+1·3	75	13	48	8	–	–	1·05	27	33	·40	31	8	5	0	0	0	2	0	–	–	5·76	*109*	39
Carnarvon	Aber	9 9 9	60	68·2	54·5	61·3	+1·1	77	2	50	8,22,24	–	–	1·49	38	–	·47	25	9	5	0	0	0	2	–	0	0	5·45	*106*	37
	Llandudno ..	9 9 9	13	68·0	55·9	61·9	+1·6	78	2	49	8	–	–	1·67	42	59	·63	13	6	5	0	0	0	2	0	0	0	5·54	101	38
Montgomery	Welshpool ..	9 9 9	254	71·6	51·7	61·7	+2·2	82	6	40	25	–	–	2·79	71	93	1·65	12	10	5	0	0	0	3	0	–	–	–	–	–
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	67·4	56·0	61·7	+1·5	73	2,12	48	8	–	–	1·20	30	–	·30	13	9	7	0	0	0	1	1	–	–	6·53	128	45
	„ P.B.S.†	9 9 9	452	66·3	54·7	60·5	+1·4	75	2	47	8	–	–	1·35	34	–	·56	14	9	7	0	0	0	1	0	0	0	6·50	*124*	45
	Ciliau Aeron ..	9 9 9	252	69·4	52·5	60·9	–	78	2	42	8	–	–	1·77	45	–	1·15	12	6	6	0	0	0	2	0	–	0	6·86	–	47
Pembroke	Haverfordwest ..	2121 9	233	70·5	52·7	61·6	+2·9	80	1	41	3	–	–	·96	24	–	·36	16	7	5	0	0	0	2	0	–	–	7·24	*128*	50
	St. Ann's Hd. ¶§	18–7 7	142	66·0	55·8	60·9	+1·6	75	1	50	29	–	–	·73	19	23	·26	16	9	3	0	0	0	0	1	–	0	6·65	117	46
Radnor	Llandrindod Wells	9 9 9	772	72·3	49·8	61·1	–	87	3	41	22,28	–	–	·58	15	–	·27	4	5	4	0	0	0	2	0	–	0	5·90	–	40
	Rhayader ¶§	9 9 9	757	69·3	49·6	59·5	+2·7	80	3	39	28	–	–	·77	20	17	·25	16	7	5	0	0	0	2	1	3	0	5·64	*119*	39
Brecknock	Cantref	9 9 9	1080	67·6	51·8	59·7	–	78	3	45	20,22,28	–	–	1·56	40	–	·97	12	9	5	0	0	0	3	1	–	–	6·57	–	38
Glamorgan	Cardiff	2121 9	203	73·1	53·9	63·5	+3·2	82	3,6	47	15	63·9	60·1	·38	10	9	·26	16	5	2	0	0	0	1	0	0	0	7·52	*126*	52
	Swansea	9 9 9	32	70·3	57·6	63·9	+1·8	80	6	50	16	67·3	61·2	1·43	36	–	·81	12	8	5	0	0	0	1	0	0	–	7·44	*135*	51
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	72·5	54·4	63·5	+2·4	81	6,12	48	21,28	62·9	59·5	2·70	69	–	1·50	12	6	3	–	–	–	–	1	–	–	7·35	–	51
	Usk	9 9 9	70	73·4	49·7	61·5	+1·6	88	2	40	15	66·5	–	1·26	32	–	·93	12	3	3	0	0	0	2	3	0	0	6·04	*114*	42
Somerset	Bath .. ¶§	9 9 9	67	73·9	54·7	64·3	+2·6	85	6	49	1,20,28	65·4	62·2	·94	24	32	·25	10	10	6	0	0	0	3	1	–	0	7·05	*122*	49
	Cannington ..	9 9 9	95	73·3	54·5	63·9	–	81	3,6	46	28,29	–	–	1·12	28	–	·32	10	9	7	0	0	0	2	0	0	0	7·14	–	49
	Long Ashton ..	9 9 9	162	73·1	53·9	63·5	+2·6	84	6	45	21	–	–	2·01	51	57	1·46	13	7	4	0	0	0	3	1	0	0	7·07	*120*	49

† Plant Breeding Station. ¶§ § *See* Notes on Tables on last page of this issue. †† New Site as from May 19, 1937.

‖ On and after April 18th 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 AUGUST, 1937

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
8b ENGLAND, S.W.—*cont.*	G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Dorset Holton Heath ..	9 9 9	64	72·5	52·6	62·5	+2·0	81	7	44	28	66·9	65·3	1·70	43	-	·87	12	6	3	0	0	0	1	2	0	0	6·87	109	47
Portland Bill ..	18-7 7	32	66·9	58·8	62·9	+1·6	73	7	55	22,25	-	-	3·32	84	172	2·56	12	4	4	0	0	0	1	2	-	0	-	-	-
Shaftesbury ..	9 9 9	722	71·4	55·7	63·5	+3·8	81	6	49	21	-	-	1·78	45	61	·45	12	9	6	0	0	0	3	-	-	-	-	-	-
Devon Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cullompton ¶§	9 9 9	202	71·8	51·6	61·7	+0·6	81	6,12	44	15,21	65·5	-	·99	25	33	·26	13	8	4	0	0	0	2	0	0	-	6·97	117	48
Ilfracombe ..	9 9 9	25	68·5	58·0	63·3	+1·8	75	1	55	28,29	66·2	62·5	·98	25	28	·34	16	7	3	0	0	0	0	0	0	-	7·83	137	54
Killerton ..	9 9 9	159	73·4	52·2	62·8	+2·3	81	12	44	8	-	-	1·53	39	-	·47	12	6	6	-	-	-	-	0	0	-	-	-	-
Moretonhampstead	9 9 9	798	70·5	52·8	61·7	-	76	1,4,11	47	28	62·0	56·7	1·00	25	-	·50	12	7	3	0	0	0	1	0	0	0	7·32	-	51
Newton Abbot ..	9 9 9	375	73·2	53·9	63·5	+2·0	79	8	48	4	-	-	1·70	43	66	·82	13	6	4	0	0	0	1	0	0	-	7·13	116	49
Paignton ..	9 9 9	12	70·7	55·1	62·9	+1·1	78	5,7	48	28	-	-	1·71	43	-	1·25	12	3	3	0	0	0	1	0	0	-	7·71	120	54
Plymouth (Hoe)	2121 9	117	70·2	55·3	62·7	+1·7	81	6	50	25	65·1	62·1	·86	22	28	·56	12	6	2	0	0	0	1	2	0	0	7·35	120	51
Plymouth (Mount Batten) ..	18-7 7	82	69·5	55·3	62·4	+1·9	82	6	50	2,25,29	-	-	1·05	27	-	·61	12	7	3	0	0	0	1	1	0	0	7·25	123	50
Princetown ..	9 9 9	1430	67·6	52·0	59·8	+2·9	78	6	47	15,21	-	-	1·52	39	22	·58	13	7	7	0	0	0	0	6	0	-	-	-	-
Sidmouth ..	9 9 9	25	68·6	54·4	61·5	+1·0	77	7	47	15	-	-	1·59	40	-	·95	12	7	5	0	0	0	2	1	-	-	6·62	-	46
Tavistock ..	9 9 9	457	71·2	51·9	61·5	+2·2	82	6	45	25	-	62·9	1·20	31	31	·44	12	7	6	0	0	0	1	0	1	0	-	-	-
Teignmouth ..	9 9 9	20	70·5	56·5	63·5	+1·2	78	7	50	28	-	-	1·38	35	61	·74	12	4	3	0	0	0	1	0	-	-	7·35	115	51
Torquay ..	9 9 9	27	70·6	55·9	63·3	+1·1	79	5	51	21,28	-	63·4	1·05	27	42	·57	12	5	2	0	0	0	1	0	0	0	8·18	123	56
Cornwall Falmouth Obs. ¶§	9 9 9	167	70·4	57·3	63·9	+2·8	76	13	53	2	67·1	64·5	·48	12	15	·36	13	6	1	0	0	0	0	0	0	-	7·36	117	51
Fowey	9 9 9	51	70·6	55·0	62·8	+1·5	76	26	50	24	-	-	1·18	30	-	·32	13	7	6	0	0	0	0	0	-	-	7·06	119	49
Gulval	9 9 9	20	71·0	56·5	63·7	+2·7	78	12,24	51	9	-	-	·63	16	-	·51	13	5	3	0	0	0	1	0	0	-	6·64	105	46
The Lizard ..	18-7 7	240	69·5	56·8	63·1	-	73	1	48	8	-	-	·59	15	-	·21	10	7	5	0	0	0	1	2	-	0	-	-	-
Newquay ..	9 9 9	182	69·0	56·0	62·5	+2·1	79	12	50	9,25,29	64·0	60·5	·56	14	22	·31	13	7	4	0	0	0	0	1	-	0	7·02	114	49
Redruth	9 9 9	397	69·6	55·7	62·7	+2·9	76	6	52	8,9,25	-	-	1·19	30	35	·92	13	9	4	0	0	0	0	0	0	0	-	-	-
9 IRELAND, N.																													
Sligo Markree Cas. ¶§	2121 9	122	67·0	50·2	58·6	+1·3	79	1	36	26	61·9	57·8	3·97	101	92	1·02	5	20	18	0	0	0	1	0	-	0	4·87	121	33
Mayo Blacksod Pt. ¶	18-7 7	18	63·7	52·2	57·9	-0·4	77	1	44	26	-	-	4·85	123	106	1·04	31	20	16	0	0	0	0	0	-	0	-	-	-
Mallaranny §	9 9 9	113	66·2	53·9	60·1	+2·2	79	1	46	26	-	-	6·32	161	-	1·14	31	19	16	-	-	-	-	0	-	-	5·07	123	34
Donegal Malin Head ¶§	18-7 7	84	63·7	54·4	59·1	+2·4	75	2	50	16,18	-	-	3·13	79	88	·94	13	20	13	0	0	0	1	0	-	0	4·49	104	30
Antrim Aldergrove ..	18-7 7	238	66·9	51·4	59·1	-	78	2	39	26	-	-	3·36	85	93	·87	13	16	12	0	0	0	1	0	0	0	4·94	-	30
Down †Donaghadee ..	8 8 8	30	63·7	52·9	58·3	+1·0	69	1,9	45	16	-	-	2·76	70	83	·46	16	16	13	-	-	-	-	1	-	-	4·57	-	31
Hillsborough ..	9 9 9	388	65·9	51·3	58·6	-	78	2	44	26	59·4	-	2·73	69	-	·74	13	16	13	0	0	0	1	0	0	0	5·17	-	35
Armagh Armagh ‖ ¶§	2121 9	204	68·5	52·5	60·5	+2·4	79	1	41	26	62·4	58·8	2·93	74	81	·90	13	14	10	0	0	0	1	0	0	0	4·48	104	30
Longford Newtownforbes ..	2121 9	154	67·5	50·5	59·0	+1·7	76	2	42	27	51·3	57·8	2·67	68	65	·44	28	13	13	0	0	0	0	-	-	-	-	-	-
10 IRELAND, S.																													
Dublin Dublin City .. ¶	2121 9	54	67·3	56·0	61·7	+2·1	74	2,6	49	26	-	-	3·25	83	107	1·25	13	11	10	0	0	0	2	0	0	0	-	-	-
,, Glasnevin ..	2121 9	55	69·1	52·4	60·7	+1·6	79	6	42	26	-	-	2·69	68	83	·89	13	10	9	0	0	1	2	0	0	0	-	-	-
,, Phœnix Pk. §	2121 9	155	68·5	51·4	59·9	+1·7	79	2	42	26,27	-	-	2·34	59	74	·73	13	12	9	0	0	0	2	0	0	0	5·31	107	36
,, Trin. Coll. ..	2121 9	13	68·5	55·1	61·8	+2·0	77	2	47	26	63·1	59·8	3·19	81	109	1·18	13	12	9	0	0	0	1	-	0	0	-	-	-
Hazelhatch .. (Peamount San.)	9 9 9	366	69·9	51·1	60·5	-	82	2	41	15,19,27	63·6	60·7	2·99	76	-	1·37	13	12	7	-	-	-	-	-	-	-	5·17	-	35
Rathfarnham ..	9 9 9	169	67·9	53·5	60·7	-	77	2	46	16,26	60·3	-	2·97	75	-	1·38	13	17	9	0	0	0	2	0	0	-	5·28	-	36
Wicklow Newcastle ..	2121 9	256	68·9	53·5	61·2	+2·5	78	2	47	8,16	-	-	1·30	33	-	·37	31	13	7	0	0	0	0	0	-	-	-	-	-
Offaly Birr Castle ¶§	18-7 7	173	68·8	52·0	60·4	+2·2	79	1	40	26,27	61·2	57·9	3·33	85	87	·72	8	16	11	0	0	0	1	3	0	0	5·17	117	35
Waterford Seskin, Carrick-on-Suir	9 9 9	535	69·6	52·6	61·1	+2·7	78	1,2	46	7	-	-	1·61	41	-	·46	29	9	9	0	0	0	0	0	0	0	6·15	127	42
Waterford ¶	9 9 9	137	69·8	54·2	62·0	+2·5	78	1	46	7	-	-	1·85	47	49	·58	15	11	10	0	0	0	0	9	-	0	-	-	-
Limerick Foynes	9 9 9	43	68·6	54·6	61·6	+2·3	77	1	47	27	-	-	2·02	51	52	·36	8	16	13	-	-	-	-	-	-	-	-	-	-
Kerry Valentia Obs. ¶§	242424	30	65·3	55·4	60·3	+1·2	71	1	45	27	63·1	59·7	2·92	74	61	·55	8	20	13	0	0	0	0	0	0	0	5·29	111	36
	18-7 -	—	65·7	55·2	60·5	+1·7																							
Cork Ballinacurra §	9 9 9	24	68·5	52·2	60·3	+1·1	75	1	44	27	-	-	2·09	53	56	·48	29	13	11	0	0	0	0	-	-	-	5·65	111	39
Cork	9 9 9	57	70·9	52·8	61·9	+1·8	77	1,2	45	7	-	-	1·78	45	53	·69	29	15	11	0	0	0	0	0	0	-	5·37	-	37
Roche's Pt. ¶	18-7 7	22	66·6	55·3	60·9	+1·8	69	1,7,28	49	15,26	-	-	2·56	65	68	·70	29	14	12	0	0	0	0	4	-	0	-	-	-
11 CHANNEL ISLES AND SCILLY																													
Scilly St. Mary's ¶§	18-7 7	163	70·0	58·0	64·0	+3·5	76	1	55	8,9	-	-	·59	15	22	·37	14	10	3	0	0	0	1	1	-	0	7·46	117	52
Guernsey St. Peter Port ¶§	18-7 7	175	69·2	57·8	63·5	+1·8	82	6	53	21,24	67·3	63·7	·43	11	18	·19	12	5	5	0	0	0	1	0	0	0	8·00	106	56
Jersey St. Heliers ¶§	9 9 9	28	71·6	59·6	65·1	+1·6	89	6	55	24	-	-	1·10	28	45	·90	12	4	3	0	0	0	1	2	-	-	8·03	110	56
GIBRALTAR	18-7 7	393	79·8	68·4	74·1	-2·2	89	19	64	24	-	-	·02	1	-	·02	26	1	0	0	0	0	1	0	0	0	-	-	-
MALTA	18-7 7	231	85·2	73·6	79·4	+0·5	91	22	70	7	-	-	·02	1	17	·02	24	1	0	0	0	0	0	0	-	0	10·93	98	81

¶§ § See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	70·0	62·0	66·1
	,,	18	71·0	63·0	67·3

TABLE III (*b*)—SKY OBSERVATIONS, AUGUST, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	1
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	31 nights	28 nights
Average exposure (hours)	7·27	6·48
Polaris unobscured (per cent.)	54	62
δ Ursæ Minoris (ditto)	49	48

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 6)	550
Mean	234

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

‖ On and after April 18th Observations were taken one hour earlier than the times shown.

TABLE IV—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the month of AUGUST, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist: 4	Poor Vis.: 5	Mod. Vis.: 6	Good Visibility: 7	8	9	WIND, Number of Observations: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
	1	160	1016·4	–	53·0	0·6	13·1	96	8·1	0	2	6	9	14	1	0	0	0	1	1	5	5	18	0	0	1	6	19	5	6	1	1	0	9	4	3	2
Shetlands Lerwick	7	160	1016·5	+6·9	53·7	1·0	13·3	93	8·0	0	3	6	11	11	0	2	0	0	1	1	5	2	20	0	0	1	6	21	3	4	2	0	1	8	5	4	4
	13	160	1016·3	–	56·0	1·8	13·5	88	8·2	0	0	6	14	11	0	0	0	0	0	2	4	3	22	0	1	0	11	19	0	3	3	1	2	11	4	4	3
	18	160	1016·3	–	55·3	1·4	13·4	91	8·1	0	0	8	12	11	0	2	0	1	1	0	3	4	20	0	0	1	10	20	0	3	3	0	0	12	4	6	3
	9	165	1016·6	–	55·2	1·6	13·2	89	7·0	0	4	9	10	8	0	4	0	0	0	2	2	3	18	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Orkneys Deerness	21	165	1016·4	–	53·6	1·3	13·0	91	6·1	0	9	5	12	5	0	1	0	0	2	0	4	5	17	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	1	83	1015·8	–	53·8	1·3	13·0	91	7·5	0	5	2	9	15	0	0	0	0	1	0	4	9	17	0	0	2	5	22	3	3	1	1	3	7	9	4	1
	7	83	1015·8	+5·4	54·8	1·6	13·2	89	8·2	0	1	4	13	13	0	0	0	1	1	0	1	3	20	5	1	2	4	21	2	2	1	0	5	10	6	2	3
Hebrides Stornoway ..	13	83	1016·0	–	58·3	3·1	13·3	81	8·9	0	1	1	9	20	0	0	0	0	0	0	6	5	14	6	1	3	11	15	1	1	2	2	10	10	2	1	2
	18	83	1015·7	–	57·6	2·8	13·6	83	8·1	0	2	2	11	16	0	0	0	0	0	0	5	8	11	7	0	4	13	11	3	2	5	1	3	9	4	2	2
	1	79	1016·3	–	52·5	0·9	12·9	94	7·5	0	6	4	8	13	0	1	1	0	0	2	5	4	18	0	0	0	6	23	2	3	0	0	3	11	4	2	6
	7	79	1016·1	+5·5	53·6	1·1	13·2	93	8·1	0	2	4	5	20	0	1	2	1	0	0	3	5	19	0	0	0	6	20	5	3	2	0	4	6	5	4	2
Caithness Wick	13	79	1016·5	–	57·7	2·7	13·7	83	8·3	0	1	2	18	10	0	1	2	0	0	0	3	4	21	0	0	2	5	24	0	1	0	2	6	13	3	1	5
	18	79	1016·0	–	56·7	2·4	13·5	85	7·9	0	3	2	15	11	0	1	0	0	1	0	5	4	19	1	0	3	6	22	0	2	1	0	8	11	2	1	6
	7	1180	974·9	–	52·7	1·6	12·2	89	8·5	0	2	4	7	18	0	0	0	0	0	1	1	20	9	0	0	0	3	23	5	0	7	0	0	8	9	1	1
Inverness Dalwhinnie†‖ ..	13	1180	974·9	–	61·0	5·2	12·9	71	8·4	0	3	3	8	17	0	0	0	0	0	0	1	12	18	0	0	0	12	17	2	0	3	0	0	9	11	2	4
	18	1180	974·4	–	58·5	3·7	13·3	78	8·5	0	2	4	9	16	0	0	0	0	0	0	3	12	16	0	0	0	4	25	2	0	4	0	0	8	12	2	3
	9	250	1016·9	–	57·2	2·7	13·2	83	5·5	0	6	16	6	3	0	0	0	0	0	4	1	0	5	21	0	0	3	26	2	0	4	2	7	3	11	1	1
Inverness Inverness	17	250	1016·1	–	61·5	4·3	13·8	75	5·6	0	4	21	4	2	0	0	0	0	0	1	4	0	3	23	0	0	5	26	0	1	8	4	3	5	8	0	2
1 SCOTLAND, E.																																					
	7	85	1016·9	+5·5	54·7	1·7	12·9	90	8·1	0	4	2	15	10	0	0	0	2	0	3	14	8	4	0	0	0	3	25	3	3	0	0	4	6	3	0	12
	13	85	1017·2	+5·6	59·7	3·9	13·4	77	7·0	0	5	5	12	9	0	0	0	0	1	0	9	11	0	0	0	0	4	27	0	4	2	6	2	12	3	0	2
Aberdeen Aberdeen H	18	85	1016·6	+5·2	59·0	3·7	13·3	79	7·1	1	6	2	14	8	0	0	0	0	2	3	9	5	10	2	0	0	5	26	0	5	2	3	5	10	3	1	2
	21	85	1016·9	+5·0	56·0	2·0	13·4	88	6·7	0	8	5	5	13	0	0	0	3	0	3	9	7	9	0	0	0	1	25	5	2	0	1	3	8	5	1	6
	h.*	85	1016·8	+5·3	56·7	2·6	13·3	85																													
Aberdeen Braemar‡	9	1108	1016·9	–	57·3	1·8	14·1	89	6·8	2	5	5	9	10	0	0	0	0	0	0	3	22	6	0	0	0	2	21	8	2	4	0	0	1	14	2	0
Perth Crieff	9	482	1016·8	–	58·1	2·6	13·8	84	7·6	0	5	4	7	15	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	2	0	5	1	2	7	11	3
	21	482	1016·2	–	55·7	1·9	13·5	87	8·1	0	3	5	5	18	–	–	–	–	–	–	–	–	–	–	0	0	1	30	0	0	3	5	2	3	8	9	1
	1	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife Inchkeith	13	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	36	1017·1	–	54·5	1·3	13·5	91	8·1	0	3	3	12	13	0	1	1	0	2	3	10	6	3	5	0	0	1	23	7	1	1	6	0	2	7	7	0
Fife Leuchars.. H	13	36	1017·3	–	62·6	4·8	14·4	73	7·8	0	2	8	9	12	0	0	0	0	1	1	8	10	7	4	0	0	3	28	0	0	3	11	4	1	5	4	3
	18	36	1016·6	–	60·9	3·9	14·2	77	6·8	1	6	5	9	10	0	0	0	0	1	2	8	7	8	5	0	0	5	26	0	1	3	13	6	2	1	4	1
Mid Lothian Edinburgh ..	9	441	1017·5	–	58·5	3·0	14·0	82	6·7	0	7	9	4	11	0	2	1	1	6	4	13	4	0	0	0	0	4	21	6	2	3	1	2	2	5	6	4
(Blackford Hill)	21	441	1017·0	–	56·2	2·1	13·3	87	7·5	3	4	1	8	15	0	3	1	1	4	5	13	3	1	0	0	0	4	20	7	0	2	2	3	3	4	9	1
6a SCOTLAND, W.																																					
	7	40	1016·2	–	56·8	2·1	13·8	87	7·7	0	1	7	18	5	0	0	0	0	0	1	3	7	16	4	0	0	14	16	1	5	2	0	4	9	2	4	4
Argyll Tiree	13	40	1016·4	–	59·8	3·0	14·5	82	7·1	0	6	6	12	7	0	0	0	0	0	1	6	8	12	4	0	2	15	13	1	6	2	0	1	11	4	4	2
	18	40	1015·8	–	58·4	2·5	13·9	85	6·6	1	5	7	13	5	0	0	0	0	0	2	4	6	15	4	0	0	8	23	0	5	2	1	3	5	5	3	7
	9	187	1016·9	–	58·2	2·6	13·8	84	7·5	0	3	5	18	5	0	0	0	0	1	2	10	2	16	0	0	0	9	22	0	1	0	13	0	5	2	1	9
Bute Rothesay	21	187	1016·3	–	56·6	2·0	13·9	87	6·4	0	7	8	8	8	0	0	1	0	0	5	3	9	13	0	0	0	10	11	10	3	0	4	1	2	0	4	7
	7	24	1017·1	–	55·1	1·1	13·7	93	8·0	0	4	5	6	16	0	1	1	1	6	8	3	2	6	3	0	0	2	20	9	0	4	3	3	0	4	7	1
Renfrew Renfrew	13	24	1016·9	–	64·9	5·9	14·5	69	7·7	0	2	7	12	10	0	0	0	0	0	5	7	2	7	10	0	0	6	23	2	1	3	5	1	1	6	8	4
(Abbotsinch)	18	24	1016·2	–	63·1	4·8	14·4	73	6·3	0	7	8	8	8	0	0	0	0	1	3	8	2	8	9	0	0	4	25	2	0	4	4	1	2	6	7	5
	7	778	1017·6	–	54·0	1·2	13·1	92	7·7	0	4	5	7	15	0	0	1	1	4	4	9	4	7	1	0	0	2	16	13	1	2	1	0	5	8	1	0
	13	778	1017·0	–	63·3	5·4	14·1	71	7·8	0	5	1	14	11	0	0	0	0	0	2	8	8	12	1	0	0	8	23	0	1	2	1	3	8	11	2	3
Dumfries Eskdalemuir‡‡ H	18	778	1016·4	–	61·2	3·8	14·5	79	5·9	0	11	5	9	6	0	0	0	0	1	0	11	5	12	2	0	0	8	23	0	0	5	2	2	5	11	3	3
	21	778	1017·3	–	54·5	1·5	13·1	91	6·5	1	8	4	7	11	0	0	0	0	0	4	13	4	9	1	0	0	2	23	6	5	3	0	0	4	5	3	5
	h.*	778	1017·2	–	57·0	2·7	13·3	84																													
6b ISLE OF MAN																																					
Isle of Man Douglas .. H	9	286	1018·1	+4·7	59·3	2·3	15·0	86	7·2	0	1	7	19	4	0	0	0	3	0	0	19	3	6	0	0	4	9	16	2	0	2	7	3	3	1	6	7
	7	31	1017·5	–	58·1	1·2	15·3	92	7·6	1	3	4	17	6	0	0	0	1	0	0	2	7	21	0	0	3	5	21	2	3	1	1	0	12	1	6	5
Isle of Man Point of Ayre ..	13	31	1017·9	–	64·3	3·9	16·2	79	6·6	3	3	4	16	5	0	0	0	0	0	0	2	6	23	0	0	1	8	22	0	3	1	3	2	9	1	3	9
	18	31	1017·1	–	62·6	3·3	15·8	81	5·5	1	9	6	12	3	0	0	0	0	0	0	2	5	24	0	0	2	9	15	5	5	0	1	2	3	3	7	5
2 ENGLAND, N.E.																																					
	9	331	1017·6	–	59·0	2·8	14·2	83	8·0	0	2	7	10	12	0	0	0	1	1	6	12	0	7	4	0	1	3	15	12	5	0	1	1	4	2	6	0
Northumberland Cockle Park ..	21	331	1017·6	–	56·6	1·6	14·0	89	7·2	0	7	5	3	16	0	1	0	1	2	10	8	0	3	6	0	0	1	16	14	2	0	0	1	4	3	4	3
	1	122	1017·5	–	56·9	1·7	14·1	89	6·7	1	5	10	4	11	0	0	1	1	0	2	16	11	0	0	0	0	1	26	4	5	0	1	0	3	5	12	1
	7	122	1017·2	+4·7	56·5	2·1	13·5	86	7·4	0	0	13	8	10	0	0	1	2	1	8	13	6	0	0	0	0	1	30	0	5	0	1	1	5	7	10	2
Northumberland Tynemouth ..	13	122	1017·6	–	61·2	3·8	14·4	78	7·4	0	4	6	15	6	0	0	1	0	1	1	12	8	8	0	0	0	4	27	0	6	3	2	10	2	2	5	1
	18	122	1017·1	–	60·2	2·9	14·7	82	7·7	0	2	8	12	9	0	0	1	1	1	0	14	11	3	0	0	0	3	28	0	8	0	3	10	6	1	3	0

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 976·1 mb.

‡‡ Mean pressures at Station Level are 989·3 mb. at 7 h., 989·2 mb. at 13 h., 988·5 mb. at 18 h., and 989·0 mb. at 21 h.

‖ Observations taken at 17h. instead of 18h. G.M.T. on Sundays during Summer time.

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, 1937

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															
												NO. OF OBSERVATIONS*					NUMBER OF OBSERVATIONS											FORCE (0-12)						DIRECTION									
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																				
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.						
2	ENGLAND, N.E.—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%	7·6	2	0	9	8	12	0	0	0	0	2	9	14	2	4	0	0	0	1	20	10	1	3	0	1	6	5	2	3						
Durham	Durham		9	352	1017·9	-	61·1	3·6	14·6	79																																		
			21	352	1017·5	-	58·5	1·9	14·8	88	7·9	2	5	0	4	20	0	1	0	0	0	10	11	5	4	0	0	0	1	16	14	2	3	1	1	2	2	3	3						
			7	186	1017·9	-	55·6	1·6	13·6	90	7·6	0	4	5	11	11	0	0	0	1	3	3	9	7	8	0	0	0	2	21	8	4	1	0	2	5	2	2	7						
Yorks., N. Riding	Catterick ..	H	13	186	1017·4	-	67·9	8·2	14·3	62	7·3	1	5	2	15	8	0	0	0	0	0	0	10	10	9	2	0	0	3	25	3	3	2	0	5	8	3	4	3						
			18	186	1016·8	-	65·0	5·2	15·3	73	6·6	3	4	4	15	5	0	0	0	0	0	1	19	7	5	3	0	0	1	28	2	3	4	2	4	4	4	5	3						
Yorks., N. Riding	Scarborough ..		9	96	1017·8	-	61·7	3·6	14·9	79	5·5	0	16	2	7	6	0	2	0	0	4	3	9	8	5	0	0	0	5	26	0	1	1	0	7	0	5	6	11						
			9	53	1018·7	-	60·7	3·7	14·2	78	6·9	2	6	4	7	12	-	-	-	-	-	-	-	-	-	-	0	0	0	29	2	6	0	3	0	5	0	11	4						
	York		21	53	1018·0	-	61·0	2·9	15·3	83	6·3	8	2	2	8	11	-	-	-	-	-	-	-	-	-	-	0	0	0	29	2	8	0	3	1	9	1	7	0						
			1	28	1017·6	-	58·5	0·2	16·5	98	6·6	3	6	5	5	12	*0*	*2*	1	1	0	*1*	*8*	18	0	*0*	0	1	7	19	4	4	1	2	5	3	3	3	6						
Yorks., E. Riding			7	28	1017·8	+4·4	58·7	0·6	16·3	96	7·6	1	4	4	10	12	*0*	*0*	3	1	3	*4*	*10*	10	0	*0*	0	1	6	19	5	6	0	2	4	2	1	4	7						
	Spurn Head ..		13	28	1018·1	-	65·1	2·9	17·2	81	7·7	1	2	5	16	7	*0*	*0*	0	1	2	*1*	*11*	16	0	*0*	0	2	6	23	0	4	7	7	7	1	2	1	2						
			18	28	1017·4	-	61·1	1·0	17·3	94	7·5	0	3	8	13	7	*0*	*1*	0	1	0	*1*	*16*	11	1	*0*	0	0	7	24	0	6	6	4	12	1	1	0	1						
			7	208	1018·3	-	56·1	1·1	14·3	93	7·0	1	6	2	9	13	0	3	3	2	2	5	*11*	2	3	0	0	0	3	24	4	2	3	2	3	0	5	7	5						
Lincoln	†Cranwell ..	H	13	208	1018·1	-	68·2	6·9	15·5	66	7·4	0	3	6	19	3	0	0	0	0	0	0	*10*	14	7	0	0	0	5	25	1	2	1	3	5	2	5	5	7						
			18	208	1017·3	-	67·0	5·4	16·4	73	6·1	2	7	4	15	3	0	0	0	0	0	1	5	15	7	3	0	0	4	27	0	3	4	9	3	6	0	4	2						
3	ENGLAND, E.																																										
Norfolk	Cromer ..	H	9	74	1018·4	-	62·1	2·6	16·2	85	6·5	1	3	13	6	8	0	0	1	0	1	1	27	*1*	*0*	*0*	0	1	4	26	0	9	1	2	7	4	0	2	6						
			1	26	1017·6	-	59·5	1·4	15·9	91	6·8	5	4	1	9	12	0	0	0	1	*1*	1	*12*	*16*	0	*0*	0	0	5	22	4	3	3	3	6	1	2	3	6						
Norfolk	Yarmouth.. ..		7	26	1017·7	+3·5	59·7	1·9	15·5	88	7·0	1	5	5	13	7	0	0	0	0	3	1	*21*	6	0	*0*	0	0	5	23	3	5	3	2	4	1	3	7	3						
			13	26	1018·1	-	64·4	4·7	15·4	75	7·5	0	3	8	14	6	0	0	1	0	*0*	1	*21*	*8*	0	*0*	0	0	12	19	0	11	4	3	7	0	3	1	2						
			18	26	1017·5	-	64·1	3·9	16·1	79	6·7	2	2	10	12	5	0	0	0	0	*0*	1	*24*	6	0	*0*	0	0	4	24	3	6	3	6	5	0	2	3	3						
			7	20	1018·1	-	60·4	2·0	15·8	88	7·2	0	8	2	10	11	0	0	0	0	2	4	*15*	*8*	*2*	*0*	0	0	3	25	3	5	3	1	3	0	2	8	6						
Suffolk	Felixstowe Aero.		13	20	1018·3	-	67·6	6·5	15·5	67	7·0	0	7	1	18	5	0	0	0	0	1	0	*12*	*10*	*8*	*0*	0	0	5	26	0	2	6	7	6	2	1	6	1						
			18	20	1017·7	-	65·2	4·8	15·8	75	6·3	2	7	5	10	7	0	0	0	0	0	2	*9*	*10*	9	*1*	0	0	2	28	1	4	5	7	5	2	2	4	1						
			7	21	1018·0	-	58·0	0·9	15·6	94	7·8	1	5	1	8	16	0	2	1	5	0	7	*10*	*1*	5	*0*	0	0	3	24	4	4	2	2	4	3	2	5	5						
Suffolk	Mildenhall ..		13	21	1017·9	-	69·8	7·1	16·4	67	6·7	0	6	7	15	3	0	0	0	0	0	1	*10*	5	*15*	*0*	0	0	7	23	1	6	3	1	1	2	5	6	6						
			18	21	1017·2	-	68·3	5·8	16·8	72	5·9	3	7	3	12	6	0	0	0	0	1	1	*8*	*8*	*11*	*2*	0	0	3	28	0	9	3	2	5	2	3	4	3						
			9	43	10[illegible]·0	+4·2	63·9	3·9	16·1	80	7·0	2	4	5	7	13	-	-	-	-	-	-	-	-	-	-	0	0	2	25	4	2	6	0	4	2	5	3	5						
Cambridge	Cambridge	H	21	43	1018·0	+3·1	62·0	2·9	16·0	84	4·4	13	2	5	3	8	-	-	-	-	-	-	-	-	-	-	0	0	2	25	4	0	6	1	7	1	4	4	4						
Hertford	Rothamsted ..		9	396	1018·5	-	62·4	3·8	15·2	79	6·1	3	9	2	10	7	0	0	0	*1*	0	6	*24*	*0*	*0*	*0*	0	0	3	24	4	7	3	2	2	4	2	1	6						
			7	12	1018·3	-	60·8	2·1	16·1	88	6·7	2	7	1	12	9	0	0	1	1	4	6	9	5	5	0	00	0	2	25	4	9	0	3	1	0	2	7	5						
Essex	Shoeburyness	H	13	12	1018·3	-	69·0	6·4	16·7	69	6·1	2	8	5	12	4	0	0	0	0	0	2	10	7	12	0	0	0	3	28	0	4	4	8	5	1	5	2	2						
			18	12	1017·7	-	66·3	4·6	16·8	77	6·2	1	8	5	13	4	0	0	0	0	0	1	11	8	11	0	0	0	0	31	0	2	4	10	6	1	3	3	2						
4	MIDLAND COUNTIES																																										
Yorks., W. Riding	Harrogate.. ..		9	478	1018·5	-	61·0	4·0	14·1	77	6·7	2	6	3	10	10	0	1	*0*	0	1	9	5	8	3	4	0	0	2	29	0	2	3	0	4	4	12	6	0						
Nottingham	Nottingham ..		9	215	1018·6	-	60·6	3·4	14·5	80	6·3	6	3	4	7	11	0	0	1	0	12	3	15	0	*0*	*0*	0	0	1	30	0	4	2	7	1	3	5	7	2						
			7	542	1018·7	-	56·8	1·6	14·2	90	6·3	2	6	6	8	9	1	1	4	3	9	2	6	0	5	*0*	0	0	0	23	8	3	4	3	1	1	2	4	5						
Warwick	Birmingham	H	13	542	1018·1	-	67·9	7·7	14·6	63	6·6	1	5	9	10	6	0	0	0	0	1	1	9	8	12	*0*	0	0	4	26	1	2	4	1	2	4	6	5	6						
			18	542	1017·3	-	67·9	7·6	14·6	64	5·8	2	9	2	15	3	0	0	0	0	0	1	8	13	9	*0*	0	0	5	26	0	4	2	3	2	4	5	6	5						
Oxford	Oxford		9	212	1019·0	+3·6	63·4	4·7	14·8	74	6·0	2	8	5	8	8	0	0	*0*	1	1	1	16	4	7	*1*	0	0	2	28	1	4	6	2	2	2	6	5	3						
Shropshire	Shrewsbury	H	9	186	1018·5	-	62·3	3·8	15·0	79	5·8	4	3	12	4	8	0	0	0	1	2	2	5	1	20	*0*	0	0	6	12	13	2	0	2	1	3	4	4	2						
			7	226	1018·6	-	55·9	1·4	14·0	91	6·5	2	8	1	10	10	*0*	5	4	0	4	3	4	4	6	*1*	0	0	0	26	5	3	1	3	1	1	11	6	0						
Hereford	Ross-on-Wye	H	13	226	1018·0	-	69·4	7·6	15·6	64	6·3	1	6	7	13	4	*0*	*0*	0	0	0	1	6	16	5	3	0	0	4	27	0	5	3	4	2	2	9	4	2						
			18	226	1017·2	-	68·6	6·8	16·0	67	5·2	2	11	5	9	4	*0*	*0*	0	0	0	1	2	7	10	10	*1*	0	0	6	25	0	2	3	4	1	4	9	6	2						
			21	226	1018·1	-	61·2	2·7	15·7	85	4·0	1	18	3	4	5	*0*	*0*	0	0	4	5	9	4	8	*1*	0	0	1	22	8	1	3	5	2	2	4	5	1						
			9	230	1019·5	-	64·3	4·8	15·1	74	5·9	0	7	10	11	3	0	*0*	0	0	1	6	3	17	4	0	0	0	0	29	2	5	0	0	0	0	1	19	4						
Gloucester	Cheltenham	H	21	230	1018·4	-	63·3	3·4	16·0	81	6·2	1	5	8	13	4	0	*0*	0	0	0	0	2	25	4	0	0	0	0	31	0	2	0	0	0	0	3	16	10						
5	ENGLAND, S.E.																																										
			9	152	1018·7	+3·2	65·2	4·9	15·9	75	6·5	2	7	3	9	10	0	0	0	0	5	7	11	6	2	*0*	0	0	4	20	7	6	5	1	0	0	5	4	3						
London	*g* Greenwich	H	15	152	1017·6	+2·8	74·1	10·3	15·7	55	6·9	0	5	7	14	5	0	0	0	0	0	0	10	11	10	*0*	0	0	5	24	2	8	1	4	2	2	5	3	4						
			21	152	1018·3	+2·9	62·7	3·0	16·2	83	4·3	8	10	1	5	7	0	0	0	0	0	3	20	3	5	*0*	0	0	5	23	3	3	2	7	2	6	3	1	4						
			h.*	152	1018·2	+2·9	64·8																																				
			7	34	1018·7	+3·2	60·3	2·6	15·4	86	6·6	3	6	3	8	11	0	0	0	0	2	13	9	5	2	*0*	0	0	0	24	7	4	3	2	2	1	6	4	2						
London	Kew Obs'y.	H	13	34	1018·2	+3·1	71·0	8·6	15·5	60	6·3	1	6	7	11	6	0	0	0	0	0	1	11	11	7	*1*	0	0	3	27	1	7	5	0	0	3	7	5	3						
			18	34	1017·4	+2·7	70·9	8·5	15·7	62	6·3	3	5	4	15	4	0	0	0	0	0	1	10	9	11	*0*	0	0	2	29	0	6	3	2	1	3	4	6	6						
			21	34	1018·2	+2·8	64·6	4·1	16·3	78	5·4	4	6	7	8	6	0	0	0	0	0	1	4	13	12	*1*	0	0	1	28	2	3	4	4	2	6	4	3	3						
			h.*	34	1018·2	+2·9	65·0	5·0	15·9	75																																		
			9	66	1018·6	-	64·4	4·3	15·8	77	6·5	2	5	6	7	11	0	0	0	0	5	*11*	12	1	2	*0*	0	0	1	30	0	4	7	2	1	3	4	4	6						
London	Kensington ..		15	—	-	-	73·4	9·6	15·9	57	6·1	1	2	15	11	2	-	-	-	-	-	-	-	-	-	-	0	0	5	26	0	5	8	2	1	1	6	2	6						
			18	—	-	-	71·6	8·3	16·2	61	6·3	2	3	11	9	6	-	-	-	-	-	-	-	-	-	-	0	0	4	27	0	9	2	3	1	2	2	3	9						
			1	225	1018·4	-	59·1	1·9	15·2	89	5·0	7	8	3	6	7	0	0	1	1	0	4	15	3	7	*0*	0	0	2	25	4	1	4	2	3	7	3	4	3						
Surrey	Croydon ..	H	7	225	1018·6	-	59·4	2·1	15·3	88	6·6	3	5	3	10	10	0	0	1	2	4	4	13	3	3	*1*	0	0	2	20	9	0	5	1	1	3	4	5	3						
			13	225	1018·1	-	71·9	9·2	15·6	59	6·5	1	6	7	14	3	0	0	0	0	0	0	15	6	8	*2*	0	0	5	23	3	5	4	3	1	3	5	3	4						
			18	225	1017·4	-	69·8	7·6	16·0	65	6·2	2	5	8	12	4	0	0	0	0	0	0	11	8	*11*	*1*	0	0	6	25	0	5	4	3	0	8	3	3	5						
Surrey	Wisley		9	85	1018·3	-	64·8	4·6	15·7	75	6·0	5	5	3	8	10	0	0	1	2	1	1	16	10	*0*	*0*	0	0	0	19	12	2	4	0	1	0	3	4	5						

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

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															
											NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION										
																FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																			
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%																																
Kent	Biggin Hill H	7	572	1018·7	–	59·2	2·2	15·1	87	6·6	3	6	4	6	12	1	2	0	2	5	3	8	5	5	0	0	0	1	21	9	3	5	1	0	2	6	3	2
		13	572	1018·0	–	69·9	8·5	15·0	60	6·3	1	6	8	13	3	0	0	0	0	0	0	13	11	7	0	0	0	4	27	0	5	6	2	1	5	4	5	3
		18	572	1017·8	–	67·1	6·1	15·7	70	5·3	3	10	5	11	2	0	0	0	0	1	1	11	8	8	2	0	0	4	26	1	7	5	1	1	6	5	4	1
Kent	Dungeness ..	7	—	–	–	60·2	1·3	16·4	92	5·8	7	3	4	11	6	1	1	1	0	1	4	12	11	0	0	0	0	2	24	5	4	8	3	0	1	2	3	5
		13	—	–	–	68·3	4·1	18·7	79	5·7	4	5	6	16	0	0	0	0	0	1	2	14	14	0	0	0	0	6	25	0	2	5	5	3	3	8	3	2
		18	—	–	–	66·0	2·7	18·6	85	5·1	4	5	10	9	3	0	1	0	0	0	3	12	15	0	0	0	0	6	23	2	2	5	8	1	0	7	4	2
		1	345	1018·5	–	58·1	1·8	14·8	89	5·3	8	4	4	6	9	0	2	1	1	3	4	11	8	1	0	0	0	4	27	0	11	3	2	3	0	5	2	5
Kent	Lympne .. H	7	345	1018·6	–	59·5	2·0	15·4	88	6·4	3	6	1	13	8	0	0	0	2	1	8	9	7	2	2	0	0	4	24	3	11	1	3	2	0	1	5	5
		13	345	1918·6	–	68·7	7·5	15·2	64	6·1	0	9	4	18	0	0	0	0	0	0	0	9	12	7	3	0	0	7	24	0	6	3	3	8	2	5	3	1
		18	345	1018·1	–	65·7	5·3	15·7	73	5·2	2	9	7	12	1	0	0	0	0	0	0	10	6	13	2	0	0	5	26	0	5	6	4	4	3	3	2	4
		1	141	1017·9	–	59·8	2·0	15·5	88	5·9	6	4	5	7	9	0	1	0	4	0	1	11	8	6	0	0	0	4	24	3	5	4	2	4	2	6	1	4
Kent	Manston	7	141	1017·9	–	61·0	2·2	16·0	87	7·7	2	3	1	17	8	0	0	0	2	3	3	10	9	4	0	0	0	4	22	5	6	4	2	1	2	4	5	2
		13	141	1018·1	–	68·3	6·8	15·7	67	6·2	2	6	6	11	6	0	0	0	0	0	1	8	16	6	0	0	0	8	23	0	4	8	3	5	2	3	3	3
		18	141	1017·6	–	65·3	4·8	15·9	75	6·0	1	8	7	12	3	0	0	0	0	0	1	11	12	7	0	0	0	8	22	1	3	10	3	6	2	3	2	1
Kent	Tunbridge Wells ..	9	407	1018·9	–	63·7	2·8	17·0	84	6·2	3	7	2	10	9	0	0	0	0	1	4	10	12	4	0	0	1	2	28	0	2	9	1	3	1	6	3	6
Sussex	Brighton .. H	9	48	1019·1	–	64·6	5·0	15·3	73	6·3	4	7	2	10	8	0	0	0	0	0	3	11	6	11	0	0	0	0	30	1	3	6	2	4	7	6	2	0
Sussex	Hastings .. H	9	154	1018·3	–	64·4	4·0	16·2	79	4·7	9	4	7	5	6	0	0	0	0	2	6	5	10	8	0	0	0	1	30	0	5	7	2	5	2	3	3	4
		21	154	1018·0	–	62·3	2·5	16·4	86	4·4	13	4	1	5	8	0	1	0	0	2	4	5	1	18	0	0	0	0	29	2	2	8	3	2	3	5	4	2
Hampshire	Calshot	7	15	1018·8	–	58·9	1·2	15·8	93	6·0	4	6	3	11	7	1	2	1	1	2	5	8	8	3	0	0	0	1	24	6	6	3	1	0	0	3	6	6
		13	15	1018·8	–	69·8	6·4	17·1	69	5·3	2	11	1	14	3	0	0	0	0	0	0	11	13	7	0	0	0	8	22	1	1	2	2	5	8	5	2	5
		18	15	1018·0	–	67·9	4·9	17·5	76	5·2	3	10	5	10	3	0	0	0	0	0	0	14	8	9	0	0	0	7	24	0	2	1	1	1	4	16	2	4
Hampshire	Southampton ..	9	84	1018·8	+2·9	65·0	4·8	15·7	75	4·7	9	3	8	4	7	0	0	0	0	0	0	0	7	23	1	0	0	0	3	27	1	1	9	0	1	1	12	1	5
		21	84	1018·4	+2·6	64·0	3·6	16·3	80	3·3	12	7	4	2	6	0	0	0	0	8	2	55	16	0	0	0	0	0	31	0	0	2	1	2	0	16	1	9
Hampshire	S. Farnborough† H	7	231	1018·7	–	57·1	1·2	14·8	92	6·5	3	6	4	7	11	0	1	1	3	2	6	9	4	5	0	0	0	1	17	13	2	3	0	1	2	1	6	3
		13	231	1018·1	–	72·0	9·4	15·4	59	6·5	1	5	9	12	4	0	0	0	0	0	2	11	10	8	0	0	0	6	25	0	3	4	2	2	3	5	9	3
		18	231	1017·4	–	69·9	7·8	15·7	64	5·5	3	5	9	11	3	0	0	0	0	0	1	10	11	9	0	0	0	5	24	2	3	2	1	1	4	5	4	9
I. of Wight	Ventnor (Hosp.)	9	80	1018·3	–	65·4	4·5	16·3	76	5·2	5	9	4	4	9	–	–	–	–	–	–	–	–	–	–	0	0	7	24	0	3	4	7	3	1	3	9	1
		15	80	1018·2	–	68·5	5·5	17·2	72	5·0	7	7	6	3	8	–	–	–	–	–	–	–	–	–	–	0	1	4	26	0	1	2	4	1	1	7	13	2
Wiltshire	Amesbury H	7	420	1018·8	–	55·8	0·6	14·8	96	6·3	5	4	4	9	9	0	4	2	2	1	4	6	9	3	0	0	0	1	25	5	9	1	4	1	1	2	5	3
	(Boscombe Down)	13	420	1018·4	–	69·9	8·1	15·4	62	6·6	2	3	7	16	3	0	0	0	0	0	0	4	19	7	1	0	0	0	3	28	0	4	3	3	3	5	3	5
		18	420	1017·6	–	68·6	6·7	16·0	68	6·5	2	6	2	17	4	0	0	0	0	0	0	4	20	6	1	0	0	2	29	0	4	3	0	6	5	3	5	5
Wiltshire	Larkhill .. H	9	444	1018·7	–	62·5	3·6	15·5	80	6·6	3	4	6	11	7	0	0	0	0	1	1	10	10	9	0	0	0	6	21	4	3	3	4	2	2	5	4	4
		13	444	1018·3	–	70·4	8·8	14·9	60	6·1	1	9	4	14	3	0	0	0	0	0	0	2	16	13	0	0	0	5	22	4	4	4	2	3	2	6	4	2
		15	444	1018·1	–	70·9	9·0	15·0	59	5·9	1	7	8	11	4	0	0	0	0	0	0	1	15	15	0	0	0	6	20	5	3	1	2	3	4	3	6	4
7a ENGLAND, N.W.																																									
Lancashire	Hutton	9	86	1018·6	–	63·5	4·0	15·6	78	6·2	2	5	4	19	1	–	–	–	–	–	–	–	–	–	–	0	0	2	11	18	1	0	0	2	1	3	0	6
Lancashire	Manchester H	7	83	1018·3	–	55·6	1·2	14·1	93	6·3	3	7	4	9	8	1	1	4	7	7	5	1	3	2	0	0	0	3	15	13	1	3	4	2	0	2	4	2
	(Barton)	13	83	1018·1	–	68·5	7·8	14·8	63	6·9	0	4	6	15	6	0	0	0	0	1	4	8	10	6	2	0	0	4	26	1	1	3	1	3	6	4	5	7
		18	83	1017·3	–	66·6	5·9	15·7	71	5·9	2	9	3	14	3	0	0	0	0	3	3	8	7	9	1	0	0	4	27	0	1	3	2	1	3	2	4	15
Lancashire	Manchester (Whitworth Pk.)	9	127	1018·4	–	58·7	2·7	14·1	84	7·0	0	3	10	13	5	–	–	–	–	–	–	–	–	–	–	0	0	0	28	3	4	4	5	3	4	3	3	2
		21	127	1018·1	–	63·3	4·1	15·3	77	6·3	0	4	13	9	5	–	–	–	–	–	–	–	–	–	–	0	0	1	30	0	4	1	5	2	2	1	8	8
Lancashire	Southport* H	9	37	1018·4	+4·2	64·0	4·9	15·1	74	6·6	3	5	2	13	8	0	0	0	0	1	18	2	5	3	2	0	2	4	21	4	1	0	3	5	4	2	8	4
	(Bedford Rd. Park)	15	37	1017·8	–	67·4	6·5	15·6	68	5·7	0	10	6	8	7	0	0	0	0	0	8	4	4	12	3	0	1	7	23	0	2	0	1	1	4	0	5	18
		21	37	1017·9	+3·7	60·2	2·4	15·4	86	5·2	3	10	5	5	8	0	0	0	0	0	8	9	6	8	0	0	2	5	15	9	2	0	6	1	2	0	3	8
Lancashire	Stonyhurst ..	9	381	1018·6	–	61·4	3·9	14·4	78	6·2	5	3	4	12	7	0	0	0	1	0	0	20	3	7	0	0	0	3	25	3	6	8	1	0	1	3	7	2
		21	381	1018·1	–	59·1	2·5	14·5	85	5·7	3	11	1	3	13	0	0	0	0	2	4	6	17	2	0	0	0	2	22	7	1	4	1	1	1	3	8	5
Cheshire	Bidston Obs'y. ..	9	202	1018·7	–	62·6	4·6	14·4	74	7·4	0	4	6	9	12	0	0	0	1	5	9	5	6	3	2	0	2	4	17	8	0	1	2	6	1	2	4	7
7b NORTH WALES.																																									
Flint	Sealand .. H	7	19	1018·2	–	56·3	1·6	14·0	90	6·7	2	6	4	12	7	0	1	1	2	9	7	6	2	3	0	0	0	4	22	5	0	1	3	13	1	0	6	2
		13	19	1017·9	–	68·0	7·1	15·2	66	7·0	0	6	7	9	9	0	0	0	0	0	2	12	5	12	0	0	1	4	26	0	0	0	5	7	3	1	8	7
		18	19	1017·3	–	65·5	5·2	15·7	73	6·3	2	7	4	14	4	0	0	0	0	0	0	13	10	8	0	0	0	7	24	0	1	0	1	1	2	3	12	11
Anglesey	Holyhead .. H	1	29	1018·0	–	58·3	1·7	14·9	89	5·5	4	8	4	7	8	0	1	0	0	0	2	7	5	16	0	0	1	6	21	3	2	0	1	2	7	6	3	7
		7	29	1018·0	+4·3	58·4	1·5	15·2	90	7·4	1	4	6	9	11	0	0	0	1	0	7	6	4	12	1	0	2	7	22	0	4	1	0	3	9	7	4	3
		13	29	1018·0	–	62·9	3·7	15·6	80	7·0	1	5	5	13	7	0	0	0	1	0	0	10	3	12	5	0	1	13	17	0	6	0	1	0	5	7	6	6
		18	29	1017·4	–	61·7	3·3	15·3	82	6·5	3	4	4	17	3	0	0	0	0	0	0	6	8	9	8	0	0	9	21	1	5	1	2	0	3	12	4	3
Carnarvon	Llandudno ..	9	33	1018·5	–	63·0	4·2	15·0	77	7·0	4	2	3	18	4	0	0	0	0	0	1	6	7	15	2	0	0	2	29	0	4	2	1	1	2	8	8	5
8a SOUTH WALES.																																									
Cardigan	Ciliau Aeron ..	9	256	1018·7	–	63·3	3·9	15·6	78	5·5	6	6	6	6	7	0	0	0	0	3	8	20	0	0	0	0	0	7	24	0	3	1	1	9	5	7	1	4
		1	152	1018·3	–	59·1	1·4	15·6	92	5·3	3	9	5	11	3	0	1	0	0	0	1	6	14	9	0	0	0	4	23	4	5	3	4	3	3	1	4	4
Pembroke	St. Ann's Head ..	7	152	1018·3	+3·9	59·0	1·3	15·7	92	6·9	1	3	8	16	3	0	0	0	1	0	1	8	9	8	0	0	0	5	24	2	4	4	8	1	4	3	2	3
		13	152	1018·2	–	64·4	3·4	16·8	81	6·0	0	5	15	6	5	0	0	0	0	0	2	13	5	9	2	0	0	5	23	3	4	0	0	0	6	7	4	7
		18	152	1017·8	–	63·0	2·6	16·8	85	5·9	2	5	8	16	0	0	0	0	0	0	2	7	8	11	3	0	0	6	23	2	7	3	0	0	0	4	8	7

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside. † New site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	TEMPERATURE AND HUMIDITY: Vapour Pressure	TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist: 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility: 7	8	9	WIND, NUMBER OF OBSERVATIONS: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Radnor Llandrindod Wells	9	725	1020·4	-	61·3	3·8	14·4	78	7·0	0	5	6	11	9	0	0	0	0	0	1	7	9	14	0	0	0	3	28	0	4	2	0	1	1	4	5	14
Rhayader	9	—	-	-	60·4	3·3	14·5	81	6·9	2	4	6	6	13	0	0	1	0	2	0	13	4	11	0	0	0	2	27	2	0	6	1	3	3	2	5	9
Glamorgan Cardiff	9	203	1019·2	-	64·2	4·5	15·5	75	6·0	5	4	6	4	12	0	0	0	0	1	7	10	8	5	0	0	0	2	29	0	2	8	7	1	1	0	8	4
	21	203	1018·9	-	61·7	3·1	15·4	82	4·0	11	3	8	5	4	0	0	0	0	0	1	20	1	9	0	0	0	4	27	0	1	2	2	1	1	3	11	10
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1018·7	-	64·6	4·3	15·9	77	6·3	3	7	2	12	7	0	0	0	1	1	4	12	6	7	0	0	0	1	26	4	1	4	5	2	1	5	6	3
Dorset Holton Heath H	9	58	1019·3	-	63·8	3·7	16·2	80	6·0	6	4	3	8	10	0	0	0	2	0	3	12	7	6	1	0	0	5	18	8	6	2	2	1	3	3	4	2
	15	58	1018·3	-	70·3	7·1	16·8	67	5·8	3	5	8	11	4	0	0	0	0	1	0	13	10	6	1	0	0	6	23	2	3	2	1	1	3	8	8	3
	1	37	1018·6	-	60·9	2·0	16·1	88	5·0	8	5	4	8	6	0	0	0	2	0	0	5	16	8	0	0	0	4	27	0	3	7	2	1	0	0	5	13
Dorset Portland Bill ..	7	37	1018·5	+3·5	61·3	1·9	16·4	89	6·1	5	3	5	11	7	0	0	0	2	0	0	8	13	8	0	0	0	6	25	0	5	6	8	1	0	1	3	7
	13	37	1018·8	-	65·7	2·8	18·4	85	5·5	6	4	5	12	4	0	0	0	3	0	0	5	15	8	0	0	0	6	25	0	2	0	4	5	3	7	6	4
	18	37	1018·0	-	63·3	1·9	17·7	89	5·9	5	1	6	13	6	0	0	1	1	0	0	5	16	8	0	0	0	7	24	0	3	1	2	4	0	8	8	5
Devon Moretonhampstead	9	801	1018·9	-	62·6	3·5	15·7	81	6·3	2	5	6	12	6	0	0	0	0	0	1	7	3	20	0	0	0	1	22	8	3	0	2	4	1	3	1	9
	15	801	1018·3	-	67·7	5·6	16·6	72	6·7	1	4	7	15	4	0	0	0	0	0	0	4	5	21	1	0	0	4	26	1	3	3	1	7	2	4	3	7
Devon Plymouth (Mount Batten) H	7	27	1019·0	-	57·8	1·4	15·1	92	5·9	3	7	4	14	3	0	0	0	1	0	7	5	9	9	0	0	0	1	25	5	6	7	4	0	1	1	4	3
	13	27	1018·9	-	67·7	5·3	16·9	73	6·1	1	7	5	16	2	0	0	0	0	0	1	6	9	12	3	0	0	6	25	0	2	0	3	0	12	8	3	3
	18	27	1018·4	-	64·8	3·8	16·7	80	5·7	1	11	3	12	4	0	0	0	0	0	3	6	10	8	4	0	0	6	24	1	2	0	2	0	9	9	3	5
Cornwall The Lizard	1	240	1019·2	-	58·6	0·9	15·8	94	5·3	6	7	3	9	6	0	0	0	1	1	1	2	9	17	0	0	0	5	20	6	4	7	3	0	0	2	4	5
	7	240	1019·0	-	60·0	1·4	16·1	91	7·5	1	4	5	11	10	0	0	2	0	0	0	6	9	14	0	0	1	4	23	3	6	5	4	0	2	3	2	6
	13	240	1019·6	-	67·4	5·0	17·0	74	6·4	1	6	7	12	5	0	0	0	0	0	1	10	6	14	0	0	1	6	24	0	2	1	5	4	4	5	7	3
	18	240	1018·9	-	64·4	3·6	16·6	80	6·0	2	7	5	14	3	0	0	0	0	1	1	7	7	15	0	0	0	7	19	5	3	0	5	1	1	1	10	5
Cornwall Newquay ..	9	185	1019·0	-	64·1	2·8	17·2	85	6·1	2	10	4	5	10	0	0	1	0	0	0	11	6	10	3	0	0	5	24	2	10	2	0	4	3	6	1	3
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1018·9	-	58·9	2·1	14·8	87	6·2	6	1	8	5	11	0	0	0	0	0	0	9	7	15	0	0	0	0	18	13	0	0	0	1	8	2	2	5
	21	127	1017·3	-	59·3	2·5	14·6	85	6·9	0	7	4	10	10	0	0	0	0	0	0	4	10	17	0	0	0	0	16	15	3	0	0	0	3	0	2	8
	1	28	1017·7	-	57·1	2·4	13·5	85	6·7	0	6	9	8	8	0	0	0	0	0	0	2	5	23	1	0	0	4	25	2	1	1	0	0	10	1	11	5
Mayo Blacksod Point ..	7	28	1017·0	-	58·1	2·1	14·4	87	7·4	0	2	10	7	12	0	0	0	0	0	0	3	3	23	2	0	1	8	17	5	1	1	2	3	8	2	5	4
	13	28	1017·1	-	62·2	4·1	14·7	77	7·1	0	3	12	6	10	0	0	0	0	0	0	2	6	16	7	0	2	9	20	0	1	3	0	1	8	6	7	5
	18	28	1017·0	-	60·4	3·7	14·1	79	7·4	0	3	9	10	9	0	0	0	0	0	0	3	1	19	8	0	2	9	20	0	2	2	0	0	7	4	8	8
	1	87	1016·8	-	56·8	0·9	14·8	94	8·0	0	2	3	19	7	0	0	0	0	0	0	5	23	2	1	0	0	6	25	0	6	0	2	0	11	4	8	0
Donegal Malin Head ..	7	87	1016·7	+5·3	57·5	1·1	15·0	93	8·1	0	1	3	25	2	0	0	0	0	0	0	4	26	1	0	0	0	6	25	0	11	0	0	0	14	1	4	1
	13	87	1016·7	-	61·6	2·0	16·5	88	7·4	0	1	8	18	4	0	0	0	0	0	0	4	16	10	1	0	0	11	20	0	8	3	4	2	7	1	2	4
	18	87	1016·4	-	59·4	1·4	15·8	91	7·3	0	4	3	20	4	0	0	0	0	0	1	3	14	12	1	0	0	8	23	0	10	0	7	1	4	0	7	2
Antrim Aldergrove H	7	245	1017·5	-	55·1	1·3	13·7	92	8·0	0	3	5	14	9	0	0	0	0	0	2	4	12	13	0	0	0	3	21	7	3	1	1	3	9	1	3	3
	13	245	1017·2	-	64·0	5·2	14·7	72	7·4	0	3	6	15	7	0	0	0	0	0	0	7	7	9	8	0	0	5	24	2	2	2	1	4	5	6	4	5
	18	245	1016·6	-	63·1	4·2	15·3	77	7·3	0	4	5	20	2	0	0	0	0	0	0	2	10	16	3	0	0	3	26	2	1	1	4	4	6	4	4	5
Armagh Armagh .. H	9	209	1017·6	+4·7	59·4	2·7	14·6	84	7·1	2	4	3	11	11	0	0	0	0	0	0	7	5	19	0	0	0	0	25	6	2	0	0	1	9	5	4	4
	21	209	1016·9	+3·8	58·8	2·5	14·5	85	6·7	1	8	1	11	10	0	0	0	0	0	0	4	9	18	0	0	0	2	24	5	2	1	2	1	7	5	3	5
10 IRELAND, S.																																					
Dublin Glasnevin ..	9	56	1017·9	-	61·6	3·5	15·0	80	7·0	2	0	16	1	12	0	0	0	0	4	9	5	0	13	0	0	0	0	31	0	0	2	6	3	0	8	10	2
	21	56	1017·0	-	60·1	2·7	14·9	81	6·7	3	0	12	7	9	0	0	0	0	3	9	5	0	14	0	0	0	0	28	3	0	1	5	3	0	8	10	1
	7	193	1018·1	+4·4	54·3	0·5	13·9	96	8·1	2	1	2	17	9	0	0	0	3	0	0	6	22	0	0	0	0	30	1	2	0	0	1	14	7	3	3
Offlay Birr Castle ..	13	193	1017·6	-	66·1	5·8	15·3	70	8·3	0	1	4	20	6	0	0	0	0	0	0	0	5	26	0	0	0	0	31	0	1	1	0	0	11	6	7	5
	18	193	1017·0	-	65·9	5·5	15·3	70	8·1	0	2	3	20	6	0	0	0	0	0	0	0	3	28	0	0	0	0	31	0	0	1	0	1	11	4	8	6
Waterford Seskin, Carrick-on-Suir	9	521	1018·8	-	61·1	2·8	15·4	83	6·4	2	5	6	11	7	0	0	0	0	0	0	7	8	5	11	0	3	6	20	2	1	0	1	6	6	0	6	9
	7	45	1018·7	+4·3	58·2	2·3	14·2	89	7·9	0	4	3	15	9	0	0	0	0	0	1	3	4	21	2	0	0	9	11	11	2	0	1	0	11	4	0	2
Kerry Valentia Observatory H	13	45	1018·9	+4·2	64·0	3·9	16·0	78	7·5	0	6	1	15	9	0	0	0	0	0	0	3	3	18	7	0	0	11	20	0	0	2	0	0	8	5	13	3
	18	45	1018·6	+3·9	62·5	3·3	15·7	81	7·2	0	6	3	16	6	0	0	0	0	0	0	1	3	20	7	0	0	11	20	0	3	1	1	1	8	4	8	5
	21	45	1019·1	+4·0	59·6	2·4	14·9	86	6·4	0	9	5	8	9	0	0	0	0	0	0	3	1	21	6	0	1	5	19	6	6	2	1	3	10	0	2	1
	h.*	45	1018·8	+4·1	60·6	2·7	15·2	84																													
Cork Roche's Point ..	7	24	1018·7	+4·0	57·6	0·9	15·3	94	6·7	1	5	6	13	6	0	2	0	2	0	2	1	3	19	2	0	0	3	28	0	16	1	1	2	1	6	3	1
	13	24	1018·8	-	64·5	3·6	16·6	80	7·0	0	3	11	12	5	0	0	1	1	0	0	1	3	9	16	0	0	5	26	0	3	0	2	2	7	9	4	4
	18	24	1018·2	-	64·0	3·3	16·7	82	6·9	0	3	10	13	5	0	0	0	1	2	0	3	0	13	12	0	0	3	28	0	3	0	0	3	4	9	6	6
11 CHANNEL I. & SCILLY.																																					
	1	199	1019·5	-	59·7	1·2	16·2	92	6·0	2	8	3	6	12	0	0	1	0	0	0	7	7	16	0	0	0	4	25	2	4	5	2	3	2	6	3	4
Scilly St. Mary's..	7	199	1019·2	+4·0	60·3	1·2	16·5	92	7·3	1	1	7	14	8	0	0	1	0	1	0	7	8	14	0	0	1	5	22	3	5	5	4	1	4	3	3	3
	13	199	1019·7	-	68·5	6·2	16·4	69	6·5	0	8	5	11	7	0	0	0	0	0	0	5	12	14	0	0	1	7	23	0	4	2	2	5	3	7	4	4
	18	199	1019·2	-	64·9	4·0	16·5	79	6·5	0	7	6	13	5	0	0	0	0	0	1	6	9	15	0	0	0	9	22	0	6	1	3	3	2	4	7	5
	1	186	1019·2	-	59·5	0·8	16·6	95	3·8	14	5	2	4	6	0	2	0	0	0	3	0	16	5	3	2	0	0	3	19	9	3	4	1	1	0	0	7	6
Guernsey St. Peter Port H	7	186	1019·1	-	61·1	1·4	16·9	92	6·1	6	4	5	7	9	0	0	0	0	5	1	10	9	5	1	0	0	0	28	3	5	5	4	3	0	2	4	5
	13	186	1019·1	-	67·1	4·6	17·3	77	5·7	4	9	4	7	7	0	0	0	2	2	1	10	9	4	3	0	0	2	27	2	5	5	4	4	0	2	4	5
	18	186	1018·8	-	64·3	3·1	17·1	84	4·6	7	6	9	7	2	0	0	0	0	3	0	9	12	5	2	0	0	2	27	2	3	8	3	0	0	0	5	10
	7	400	1014·8	-2·1	70·5	2·9	21·9	86	4·5	2	14	2	10	3	0	0	0	0	1	0	4	15	7	4	0	0	5	22	4	1	9	3	1	0	0	3	10
GIBRALTAR .. .. H	13	400	1015·0	-	76·6	5·9	23·1	74	2·0	7	18	4	2	0	0	0	0	0	0	0	0	11	15	5	0	0	7	24	0	0	0	14	4	2	5	3	3
	18	400	1013·7	-	74·8	4·7	23·2	79	1·1	17	11	2	1	0	0	0	0	0	0	1	10	14	6	0	0	2	27	2	0	4	13	0	0	4	6	2
	21	400	1014·9	-	71·7	3·0	22·6	85	0·7	18	12	1	0	0	0	0	1	0	0	0	2	8	15	5	0	0	5	21	5	0	4	6	0	0	0	8	8
	7	234	1014·2	-1·9	77·9	5·4	24·7	76	2·2	8	15	3	5	0	0	0	0	0	0	0	3	3	24	1	0	0	8	22	1	5	2	1	2	2	2	9	7
MALTA .. .. H	13	234	1014·0	-	83·0	10·2	22·8	60	2·1	8	17	2	4	0	0	0	0	0	0	0	0	4	27	0	0	0	11	20	0	5	4	3	4	1	6	4	4
	18	234	1013·4	-	79·1	7·5	23·0	68	1·5	14	12	3	2	0	0	0	0	0	0	0	0	6	25	0	0	0	10	19	2	3	2	1	1	2	6	6	8

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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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; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

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SEPTEMBER, 1937.—Wet in Ireland and parts of England and Western Scotland; warm 1st—7th and 26th—30th.

The weather of the month was variable; rainfall exceeded the average in most of Ireland, and over fairly large areas in western Scotland and southern England and the Midlands, but in eastern and south-western Scotland and in most of northern England there was a deficiency. Sunshine was deficient in Ireland, and a considerable excess was registered on the east coast of Scotland; elsewhere it was somewhat variable. Warm spells were enjoyed at the beginning and towards the end of the month, but it was mainly cool from about the 9th–21st.

A deep depression south-west of Iceland moving slowly north-east caused rain at times during the opening days, and on the 4th and 5th a depression on the Atlantic moved rapidly north-east and occasioned rain, chiefly in Ireland and Scotland. A new deep depression approached south-west Iceland on the 6th and moved away north-eastward, and on the 7th a secondary depression passed rapidly north-east across the British Isles; some rain fell in west and north on the 6th and somewhat more generally on the 7th. In the rear of the secondary depression an anticyclone west of Ireland spread east, but on the 9th a depression off south-west Ireland moved south-east to France and caused rain generally in the southern half of the British Isles. A spell of cool northerly winds ensued with some scattered showers and considerable sunny periods. From the 12th–14th a depression moved south-east across England to the Netherlands giving cool, unsettled weather with rain at times. This disturbance was followed by another complex depression which moved south-south-east from Iceland and then slowly east to north-east across the British Isles; thunderstorms occurred frequently during this period and were reported from some part or other of the country on each day from the 16th–20th inclusive. A brief spell of fairer weather occurred around the 20th–21st, though unsettled conditions were renewed in the west on the 21st by another depression approaching south-west Ireland. Anticyclonic weather prevailed over England on the 23rd and on the 24th a depression north of the Faeroes moved north-east and an associated trough crossed the British Isles. Subsequently an anticyclone developed over central Europe while pressure was low westward of Ireland; warm air from the south caused a considerable rise in temperature in this country on the 27th. During the 27th a trough of low pressure moved eastward and was followed on the 28th and 29th by a wedge of high pressure. Unsettled weather was renewed, however, in the west and north on the evening of the 29th, and heavy rain was reported in Ireland and Scotland at the end of the month, though fair weather persisted in south-east and east England and the Midlands.

Pressure and Wind.—Mean pressure was below the average throughout the country, the deficiency at 7 h. varying from 2·4 mb. at the Scilly Isles to 6·7 mb. at Wick. Gales occurred somewhat frequently in the north of Scotland; they were reported on 9 days at Stornoway, 7 days at Duntulm and 6 days at Lerwick. Gales were recorded in the north and west between the 4th and 9th; they were also recorded on the north-west coast of Ireland on the 21st and 24th, and on the north coasts of Scotland on the 23rd, 24th and 29th. Among the highest speeds recorded in gusts were 72 m.p.h. at Lerwick on the 7th, 63 m.p.h. at Stornoway on the 6th, 59 m.p.h. at Kirkwall on the 8th and 58 m.p.h. at Edinburgh on the 5th and at Eskdalemuir on the 6th.

Temperature.—Mean temperature very slightly exceeded the average on the whole except in Ireland. Warm spells occurred during the first week and from the 26th onwards. Temperatures of 80°F. or somewhat above were recorded at a number of stations in east and south-east England and the Midlands on the 7th and 78°F. was touched at Darwen on the 27th. The period 9th–21st was mainly cool. The extremes for the month registered in standard screens were:—(England and Wales) 82°F. at Lowestoft on the 7th, 30°F. at Appleby on the 17th; (Scotland) 72°F. at Liberton, Edinburgh, on the 27th, 27°F. at Dalwhinnie on the 18th; (Ireland) 73°F. at Glasnevin and Trinity College, Dublin, and at Newcastle, County Wicklow on the 7th and 34°F. at Birr Castle on the 11th, at Hillsborough on the 21st and at Markree Castle on the 25th.

Precipitation.—The general precipitation of the British Isles, expressed as a percentage of the average for the period 1881–1915, was 101, the values for the constituent countries being, England and Wales, 97, Scotland, 85, and Ireland 133. The excessive rainfall in Ireland was almost general, a deficiency being confined to small areas in the north-east and around Dublin. In Scotland less than the average was registered in the eastern half of the country and in the south-west, while more than the average occurred for the most part in the west and north-west, in Dumfriesshire, the Orkneys and locally in the Shetlands. Less than half the average occurred at numerous places in east Scotland and only 21 per cent. at Logie Coldstone, Aberdeenshire. In England and Wales the distribution was very variable; over most of the northern half of the country there was a deficiency; in the southern half there were large areas with an excess but there were also scattered areas with less than the average. In some parts of England and Wales the incidence of four consecutive dry months June to September, has resulted in a shortage of water; Mr. Sandeman of Crickhowell, Brecon, writes: "River Usk the lowest within memory . . .General shortage of water; reservoirs drying up . . ." Thunderstorms occurred at times, particularly from the 13th–20th, and locally in north-west Ireland on the 30th.

Among heavy falls of rain in 24 hours or less may be mentioned:—

4th. 2·06 in. at Inagh, Co. Clare.
5th. 1·56 in. at Troutbeck, Cumberland.
16th. 2·21 in. at Holton Heath, Dorset and 1·75 in. at Creech Grange, Dorset.
17th. 1·53 in. at Chopwellwood, Durham.
18th. 1·68 in. at Brereton, Staffs., 1·56 in. at Fritton Hall, Suffolk and 1·53 in. at Street, Somerset.
30th. 2·32 in. at Inveraray, Argyllshire, 2·03 in. at Glasdrum, Fort William, and 1·98 in. at Arrochar (Dumbartonshire).

Sunshine.—There was a considerable deficiency of sunshine in Ireland, the percentage of the average being 82 in Ireland, S. and 85 in Ireland, N. Elsewhere sunshine was variable, the percentages ranging from 95 in Scotland, N. to 111 in Scotland, E. The excess was greatest on the east coast of Scotland, where Aberdeen recorded 127 per cent. of the average and Montrose 125 per cent.

Fog.—Fog occurred frequently between the 19th and 30th. It was also reported at times outside this period and was thick at times locally at the Mouth of the English Channel on the 7th and during the early hours of the 8th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on ten nights. It was seen at many places in south and south-west Scotland on the night of the 10th–11th, as well as at Holyhead and at Boscombe Down, Wiltshire. A brilliant display was observed in Skye on the evening of the 30th. Solar halos were noted at Oxford on 13 days and a sun pillar was observed at South Petherton, Somerset at sunset on the 26th.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *October 24th*, 1937.

TABLE I—DISTRICT VALUES— SEPTEMBER, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	68	27	+0·5	–	–	100	+ 2	95	27
Eastern									
1 SCOTLAND, E.	72	28	+0·9	–	–	66	– 2	111	36
2 ENGLAND, N.E.	77	32	+0·2	+1·0	+0·9	74	– 1	97	34
3 ENGLAND, E.	82	33	+0·1	+0·8	+1·0	137	+ 3	98	40
4 MIDLAND COUNTIES ..	80	31	+0·5	+0·5	+1·0	94	– 1	108	37
5 ENGLAND, S.E.	80	32	+0·2	+1·3	+1·6	113	0	102	43
Western									
6 SCOTLAND, W. (*and I. of Man*)	72	32	+0·3	+0·8	+0·7	107	+ 3	103	32
7 ENGLAND, N.W. (*and N. Wales*)	78	30	+0·3	+1·1	+1·2	85	+ 2	98	34
8 ENGLAND, S.W. (*and S. Wales*)	79	34	+0·3	+0·7	+0·9	102	+ 3	101	39
9 IRELAND, N. ..	69	34	-0·2	+0·5	+0·7	137	+ 6	85	26
10 IRELAND, S. ..	73	34	-0·2	0·0	+0·5	136	+ 6	82	28
11 CHANNEL I. (*and Scilly*)	78	46	+0·4	+0·8	+1·0	142	0	104	48
Mean, DISTRICTS 1—10	82	30	+0·2	+0·7	+0·9	105	+ 2	99	35

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— SEPTEMBER, 1937 [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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time	
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d h m	
0 SCOTLAND, N.																			
Shetland ‡Lerwick	310	53	39	5,7,8,24	27	18	160	290	170	73	0	250	47	21	7 09	72	32	7 04 05	
Orkney Kirkwall	170	40	35	–	0	10	77	328	266	41	8	270	36	16	24 08	59	26	8 13 55	
Hebrides Stornoway	—	40	36	4-6. 8. 23. 24	13	18	161	309	205	32	0	190	44	20	24 01	63	28	6 06 45	
1 SCOTLAND, E.																			
Aberdeen Aberdeen	70	42	32	–	0	2	5	127	455	133	0	290	28	13	8 12	54	24	8 09 55	
Angus Bell Rock Lighthouse	130	—	126	8	3	17	141	390	144	42	0	270	42	19	8 10	55	25	8 10 25	
Edinburgh Edinburgh	485	39	23	–	0	7	36	305	309	70	0	190	37	17	5 03	58	26	5 02 50	
6a SCOTLAND, W.																			
Argyll Tiree	75	50	42	–	0	15	71	377	231	41	0	280	35	16	8 05	55	25	8 04 50	
Renfrew Paisley	188	81	31	–	0	1	2	111	358	249	0	260	25	11	7 05	53	24	7 00 20	
Renfrew Renfrew (Abbotsinch)	65	46	34	–	0	3	9	158	309	244	0	270	30	13	7 02	52	23	7 00 45	
Dumfries Eskdalemuir ..	825	50	35	–	0	9	49	217	267	187	0	230	35	16	6 20	58	26	6 18 50	
6b ISLE OF MAN																			
Isle of Man Point of Ayre ..	70	40	35	–	0	11	55	373	228	64	0	320	33	15	7 22	49	22	7 18 40	
2 ENGLAND, N.E.																			
Durham South Shields ..	73	57	44	–	0	4	11	209	455	45	0	340	27	12	11 14	51	23	7 22 55	
Yorks.,N.R. Catterick	220	45	33	–	0	0	0	109	357	254	0	230	23	10	5 11	43	19	5 10 35	
Yorks.,E.R. Spurn Head ..	64	42	34	–	0	4	57	306	324	33	0	360	35	16	11 12	55	25	11 08 20	
Lincoln Cranwell	284	43	33	–	0	0	0	158	484	78	0	280	22	10	8 02	40	18	11 12 45	
3 ENGLAND, E.																			
Norfolk Gorleston	52	42	34	–	0	1	7	187	432	94	0	340	29	13	11 11	47	21	11 10 30	
Suffolk Felixstowe Aero. ..	60	45	35	–	0	1	3	177	447	94	0	350	27	12	11 12	46	21	11 12 50	
Suffolk Mildenhall	98	83	–	–	0	0	0	189	477	25	29	200	23	10	15 14	41	18	11 14 25	
Bedford Cardington ..	285	150	135	–	0	2	6	212	421	81	0	(220	26	12	15 11)	48	21	17 11 10	
Essex Shoeburyness ..	115	104	89	–	0	2	4	251	418	47	0	190	29	13	15 17	45	20	11 10 20	
4 MIDLAND COUNTIES																			
Warwick Birmingham ..	643	118	73	–	0	0	0	109	553	58	0	350	19	9	11 10	32	14	2 10 35	
5 ENGLAND, S.E.																			
London South Kensington ..	137	110	30	–	0	0	0	10	553	157	0	220	14	6	18 13	37	17	2 11 00	
Surrey Kew Observatory ..	92	75	50	–	0	0	0	54	432	234	0	200	18	8	15 15	42	19	11 11 50	
Surrey Croydon	313	105	70	–	0	0	0	194	429	97	0	230	23	10	2 11	43	19	11 21 30	
Kent Dover	66	66	60	–	0	3	14	219	435	52	0	–	31	14	17 19	45	20	17 18 20	
Kent Lympne	418	76	48	–	0	2	5	130	493	92	0	350	27	12	11 10	47	21	11 11 20	
Hampshire Calshot	58	50	42	–	0	2	4	238	393	85	0	200	27	12	15 14	39	17	11 14 00	
Wiltshire Boscombe Down ..	462	45	33	–	0	0	0	78	483	159	0	350	24	11	11 16	38	17	11 09 25	
Wiltshire Larkhill	491	51	36	–	0	1	1	155	481	83	0	350	25	11	11 16	44	20	15 13 35	
7a ENGLAND, N.W.																			
Lancashire Fleetwood	112	50	31	–	0	4	27	295	339	59	0	320	35	15	8 01	49	22	7 20 25	
Lancashire Manchester (Barton)	153	83	80	–	0	0	0	131	408	181	0	270	24	11	7 24	41	18	7 18 35	
Lancashire Southport	60	42	33	–	0	5	28	238	413	41	0	280	31	14	6 24	46	21	6 21 25	
Cheshire Bidston Obs'y. ..	262	64	39	–	0	2	9	226	403	82	0	250	30	13	7 20	54	24	7 19 10	
7b NORTH WALES																			
Anglesey Holyhead	68	43	35	–	0	8	42	425	223	30	0	310	29	13	8 06	49	22	6 12 30	
Flint Sealand	81	65	42	–	0	1	1	111	435	173	0	270	26	12	8 01	41	18	7 22 50	
8b ENGLAND, S.W.																			
Devon Moretonhampstead	838	40	35	–	0	0	0	35	432	253	0	330	19	9	10 16	37	17	15 12 40	
Devon Plymouth	185	88	65	–	0	2	11	128	424	142	15	–	29	13	16 15	39	17	22 04 55	
Cornwall The Lizard	315	75	60	–	0	8	25	318	323	54	0	270	32	14	9 16	50	22	15 10 10	
Cornwall Pendennis Castle ..	256	65	42	–	0	7	23	296	360	41	0	190	38	17	22 04	53	24	15 10 15	
9 IRELAND, N.																			
Donegal Dunfanaghy Road	180	47	30																
Antrim Aldergrove	328	60	42	–	0	0	0	168	401	151	0	240	21	9	7 19	43	19	7 18 10	
10 IRELAND, S.																			
Dublin Kingstown(Cup Anr.)	49	27	27	–	0	8	22	327	333	38	0	230	31	14	5 07				
Clare Quilty	100	40	32	–	0	7	21	(402)	(257)	(24)	16	–	29	13	7 16	47	21	15 12 20	
Kerry Valentia Observatory	98	41	33	–	0	4	10	410	235	65	0	20	26	12	16 12	48	22	9 12 40	
Cork Cork	132	71	40	–	0	0	0	102	368	227	23	–	19	9	7 17	36	16	15 12 30	
11 SCILLY ISLES																			
St. Mary's	230	65	57	–	0	11	67	383	246	24	0	20	36	16	9 21	49	22	9 20 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).

MONTHLY WEATHER CHARTS, SEPTEMBER, 1937.

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

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

1006 1007 1008 1009 1010 1011 1012 1013

1013 1014 1015 1016 1017

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E G H I

SCALE 1:25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 60° 58° 56° 54° 52°

52° 54° 56° 58° 60° 62°

Sea temperatures are shewn in large figures, thus: (62)

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 6·0 5·0 4·0 3·0

4·0 5·0 6·0

* The pressure is expressed in millibars.

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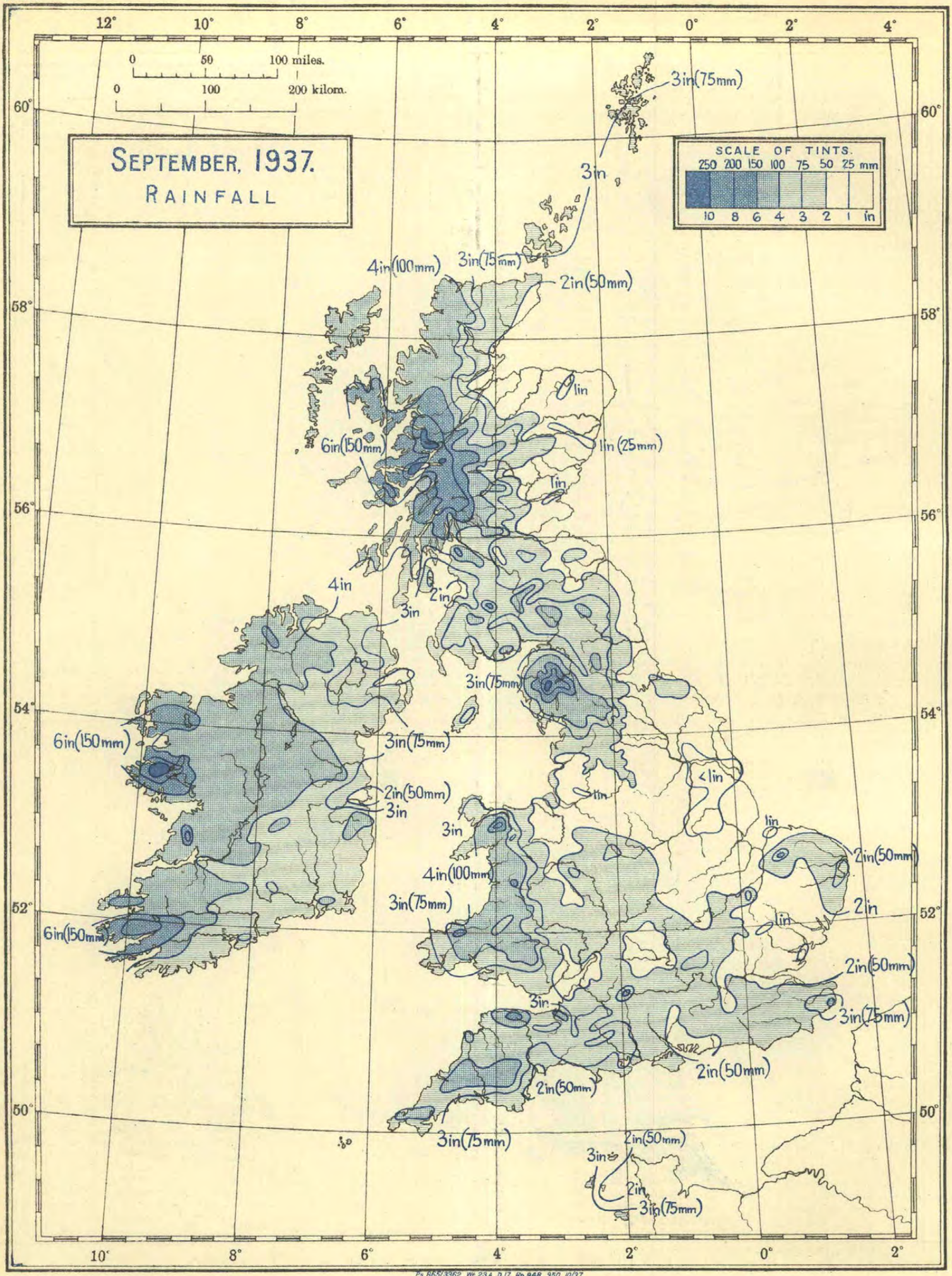

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Scale 1 : 5,000,000.

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 SEPTEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean hr	Percentage: of Average %	of Possible %
0 SCOTLAND, N.		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F																	
Shetland	Baltasound	9 9 9	31	55·9	46·6	51·3	+0·8	61	3	37	18	52·3	–	3·58	91	107	·70	30	28	22	0	0	1	0	0	–	0	3·39	106	26
	Lerwick .. ¶§	18–7 7	156	54·8	47·7	51·3	+0·8	59	23	42	21	–	–	2·59	66	93	·75	30	22	18	0	0	0	0	0	–	6	2·99	82	23
Orkney	Deerness	2121 9	160	56·6	48·7	52·7	+1·4	62	1	44	21	–	–	3·12	79	107	·48	16	28	18	0	0	0	0	0	–	–	3·54	106	28
	Kirkwall .. ¶§	9 9 9	113	57·2	48·2	52·7	+1·0	64	2	42	14	53·2	–	3·37	86	111	·47	16	25	18	0	0	0	0	0	2	5	3·53	103	28
Hebrides	Skallary	101010	30	57·9	50·4	54·1	–	61	1,2,3	42	16	–	–	4·05	103	–	1·16	16	23	16	0	0	0	–	–	–	–	–	–	–
	Stornoway(C.G.)¶§	18–7 7	80	56·5	48·7	52·6	+0·7	61	22	41	11	–	–	4·41	112	118	·72	16	24	18	0	0	0	0	0	–	9	3·41	93	27
	Stornoway ..	– – 9	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Skye	Duntulm ..	9 9 9	294	56·3	48·3	42·3	–	60	2	42	21	–	–	5·24	133	–	·79	3	24	19	0	0	0	0	0	0	7	3·27	–	26
Caithness	Wick	18–7 7	81	57·6	47·7	52·7	+1·2	64	1	36	16,18	–	–	1·75	44	69	·43	30	20	11	0	0	0	0	–	0	–	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	57·8	45·5	51·7	-0·2	68	26	36	16,17	–	–	6·62	168	91	1·05	7	23	20	0	0	0	0	1	–	–	–	–	–
	Fortrose	9 9 9	69	60·2	47·8	54·0	+1·1	66	6,27	40	16,21	–	–	1·20	31	–	·28	7	14	9	0	0	0	0	0	–	0	3·85	99	30
Inverness	Dalwhinnie † ..	18–7 7	1176	56·1	43·5	49·8	–	65	27	27	18	–	–	3·64	92	–	·87	30	20	17	0	0	0	0	5	0	3·23	–	25S
	Ft. Augustus ¶	9 9 9	68	59·1	47·2	53·1	+0·8	67	27	33	21	–	–	3·62	92	107	·51	30	18	15	0	0	0	0	0	–	0	2·87	85	22S
	Ft. William ..	9 9 9	34	59·1	48·0	53·5	+0·2	65	27	37	21	54·0	54·3	9·33	237	149	1·58	30	21	19	0	0	0	0	1	0	2·76	–	22S
	Inverness ¶§	9 9 9	242	58·6	46·9	52·7	-0·7	66	27	36	16	–	–	1·62	41	69	·36	30	14	10	0	0	0	0	1	0	4·29	113	34
1 SCOTLAND, E.																														
Nairn	Nairn .. ¶§	9 9 9	20	60·7	47·5	54·1	+1·0	69	27	35	16	–	–	1·13	29	51	·47	30	12	6	0	0	0	0	0	–	0	4·19	110	33
Moray	Forres	9 9 9	155	60·9	45·6	53·3	–	69	6	34	16	–	–	1·61	41	–	·64	30	16	8	0	0	0	0	0	–	2	4·21	–	33
	Gordon Castle ..	2121 9	104	61·0	45·8	53·4	+0·4	69	6	37	18	–	–	1·09	28	43	·29	7	14	9	0	0	0	0	0	–	–	4·03	105	32S
Banff	Banff	9 9 9	130	60·2	47·7	53·9	+1·0	68	1,6	38	14	–	–	·90	23	39	·18	12,30	13	7	0	0	0	0	0	0	0	4·68	116	37
Aberdeen	Aberdeen ¶§	242424	79	59·4	47·6	53·5	+1·0	66	1	37	16	54·5	54·5	1·80	46	81	·55	1	12	7	0	0	0	0	1	0	5·33	127	42
		18–7 –	—	60·2	47·0	53·6	+0·4																							
	Balmoral	9 9 9	927	58·1	43·6	50·9	+1·2	68	27	28	16	–	–	·99	25	41	·25	16	16	7	0	0	0	0	–	2	0	–	–	–
	Braemar	2121 9	1111	57·2	42·5	49·9	+0·4	65	27	28	16	–	–	1·49	38	59	·36	7	13	9	0	0	0	0	0	2	0	4·00	–	31S
	Craibstone ..	9 9 9	300	59·8	45·5	52·7	+0·4	68	1,22	36	16	53·3	53·1	1·27	32	54	·43	12	12	5	0	0	0	0	–	1	–	5·41	123	42
	Logie Coldstone..	9 9 9	608	60·5	42·8	51·7	+0·6	70	22	28	16	–	–	·50	13	22	·30	12	9	3	0	0	0	0	0	–	0	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	62·0	46·7	54·3	–	68	1,24	36	16	–	–	·88	22	–	·28	30	12	4	0	0	0	0	0	–	–	5·48	–	43
Angus	Arbroath.. ..	2121 9	93	60·7	46·6	53·7	+0·4	68	1	34	21	–	–	1·23	31	65	·37	30	7	6	0	0	0	0	1	4	0	5·44	119	43
	Carnoustie ..	9 9 9	39	60·8	47·6	54·2	+0·9	67	1	38	16,21	–	–	1·33	34	66	·31	7	13	7	0	0	0	0	–	2	0	5·23	118	41
	Dundee .. ¶§	9 9 9	147	62·0	46·7	54·3	+1·0	70	27	36	26	55·3	–	1·14	29	57	·34	7	12	7	0	0	0	1	–	2	3	5·03	123	39
	Kettins	9 9 9	218	60·0	45·2	52·6	+0·4	68	6	33	21	54·9	–	1·02	26	46	·29	7	12	5	0	0	0	1	2	3	2	–	–	–
	Montrose.. ..	9 9 9	16	60·4	47·2	53·8	+0·7	67	1	36	26	–	–	1·32	33	–	·33	30	11	7	0	0	0	0	1	–	0	5·56	125	43
Perth	Crieff	2121 9	478	58·9	45·2	52·1	-0·4	65	27	36	16,21	–	–	2·66	68	93	·50	30	18	14	0	0	0	0	–	–	0	–	–	–
	Perth	9 9 9	76	62·1	45·5	53·8	+0·5	69	27	33	16,21	–	–	1·22	31	54	·36	7	13	13	0	0	0	1	–	–	–	4·75	110	37
Fife	Cupar	9 9 9	210	60·4	46·5	53·5	+0·6	68	27	35	16	–	–	1·15	29	–	·24	7	13	9	0	0	0	0	–	–	–	–	–	–
	Dunfermline ..	9 9 9	237	60·5	47·6	54·1	–	69	27	39	26	57·0	57·4	1·26	32	–	·40	7	18	10	0	0	0	1	0	1	0	4·15	–	33
	Inchkeith ..	18–7 7	190	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Kirkcaldy ..	9 9 9	137	60·9	46·3	53·6	-0·9	67	1,27,30	38	26	–	–	1·47	37	–	·40	7	15	11	0	0	0	0	–	–	–	–	–	–
	Leuchars.. ..	18–7 7	36	61·0	46·1	53·5	+0·3	68	27,30	35	21	–	–	1·10	28	57	·25	7	10	7	0	0	0	0	0	0	–	5·07	110	40
	St. Andrews ..	9 9 9	13	60·9	47·4	54·1	+0·5	68	27	34	26	55·1	55·6	1·45	37	72	·31	19	15	0	0	0	0	0	0	–	5·00	111	39
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	59·9	48·2	54·1	+0·7	70	27	40	16	–	–	1·64	42	80	·51	17	16	7	0	0	0	1	1	0	3	4·31	98	34
	Boghall	9 9 9	639	59·4	46·3	52·9	+0·4	68	27	39	16,26	53·0	54·3	2·38	61	–	·61	19	18	12	0	0	0	1	0	0	–	4·17	97	33
	Liberton ..	9 9 9	190	62·2	47·2	54·7	–	72	27	34	16	–	–	1·76	45	–	·61	17	15	9	0	0	0	1	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	61·8	47·9	54·9	–	71	27	36	17	54·7	55·7	1·59	40	–	·59	17	15	6	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	61·0	48·6	54·8	–	71	27	37	16	–	–	·98	25	–	·19	1,19	11	9	0	0	0	0	1	0	0	4·69	–	37
	N. Berwick ..	9 9 9	118	61·4	47·4	54·4	0·0	68	27	38	16	–	–	1·36	35	69	·28	7	16	7	0	0	1	1	0	0	0	4·10	93	32
Berwick	Marchmont ‖ ¶§	2121 9	498	60·6	46·3	53·5	+1·0	69	27	37	16	–	–	1·52	39	63	·46	1	16	8	0	0	0	1	–	–	0	4·11	98	32S
	St. Abb's Head	18–7 7	280	59·1	49·5	54·3	–	69	27	44	8,16	–	–	1·23	31	–	·24	1	14	8	0	0	0	0	0	–	0	–	–	–
Peebles	Peebles	9 9 9	629	59·8	44·4	52·1	–	69	27	31	16	–	–	1·50	38	–	·28	1	14	12	0	0	0	1	0	4	0	2·69	–	21
	West Linton ..	9 9 9	820	58·9	44·1	51·5	+1·4	68	27	31	16	53·6	53·7	2·43	62	–	·48	1	18	15	0	0	1	2	0	4	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	60·9	46·4	53·7	+0·5	70	27	35	19	–	–	2·18	55	115	·90	17	14	10	0	0	0	0	0	–	0	–	–	–
	Wolfelee	9 9 9	537	58·7	44·4	51·5	-0·1	68	27,30	32	19	–	–	2·38	61	93	·37	1	17	12	0	0	0	1	1	–	1	–	–	–
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	60·2	(45·2)	(52·7)	(+0·4)	64	1	35	18,21	–	–	6·58	167	–	·93	30	19	19	0	0	0	0	–	4	–	–	–	–
	Colonsay ..	9 9 9	87	59·2	48·2	53·7	–	64	27	37	18	–	–	5·01	127	–	·81	30	25	19	0	0	0	0	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	60·9	46·8	53·9	–	71	1	35	11	55·5	55·7	6·11	155	–	1·19	4	21	17	0	0	0	0	0	1	–	3·33	–	26S
	Dunoon	9 9 9	132	58·8	48·1	53·5	–	64	1,27	40	11,18,21	–	–	6·01	153	–	1·33	4	19	17	0	0	0	0	0	0	0	4·08	–	32
	Glenbranter ..	9 9 9	188	59·8	44·3	52·1	-0·5	68	18	32	11,21	–	–	6·00	152	–	1·22	30	14	14	0	0	0	0	0	7	–	–	–	–
	Oban	9 9 9	229	58·0	48·9	53·5	–	66	27	42	16,18	–	–	6·25	159	–	1·08	30	19	17	0	0	0	0	0	0	0	3·93	103	31
	Tiree .. ¶§	18–7 7	22	57·6	51·5	54·5	+0·2	61	1,2,22	43	16	–	–	4·53	115	122	·88	29	21	15	0	0	0	0	0	1	4	4·19	96	33
Bute	Rothesay ¶§	2121 9	200	59·2	48·6	53·9	+0·4	65	27	44	11,18,21	54·5	55·2	3·34	85	82	·76	30	20	16	0	0	0	0	0	0	3	4·21	107	33
Dumbarton	Cardross	9 9 9	130	60·4	47·1	53·7	+0·8	65	1	38	11,18,21	–	–	3·04	77	–	·58	30	18	15	0	0	0	0	0	–	–	3·34	91	26S
	Helensburgh ..	9 9 9	293	59·9	46·7	53·3	-0·2	66	27	37	18	–	–	3·29	84	78	·75	7	20	16	0	0	1	1	1	–	0	4·02	114	32
Stirling	Stirling	9 9 9	151	59·9	48·2	54·1	+0·6	68	27	37	21	54·6	–	2·39	61	–	·41	7	18	16	0	0	0	0	1	7	0	3·15	77	25
Renfrew	Greenock ..	9 9 9	199	59·5	49·0	54·3	+0·6	67	27	42	11	–	–	4·48	114	94	·79	30	17	16	0	0	0	0	5	0	0	4·09	–	32
	Paisley	2121 9	106	60·8	48·3	54·5	+0·2	69	27	39	17	55·7	56·2	3·60	91	119	·73	19	19	15	0	0	1	1	0	0	0	4·26	108	34
	Renfrew (Abbotsinch) ¶§	18–7 7	19	60·3	47·0	53·7	+0·7	70	27	35	17,21	–	–	2·63	67	101	·62	30	19	14	0	0	0	1	4	1	0	4·23	108	33
Lanark	Carluke	9 9 9	534	59·9	46·9	53·4	–	68	27	36	11	–	–	1·62	41	–	·32	1	19	12	0	0	0	1	0	2	0	4·29	–	34
	Dungavel	9 9 9	798	57·7	45·0	51·3	+0·9	61	1,18,30	35	11	–	–	3·57	91	–	·57	7	18	18	0	0	0	1	0	0	–	–	–	–
	Glasgow	9 9 9	85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ayr	Auchincruive ..	9 9 9	89	61·8	46·3	54·1	–	70	27	32	11	57·0	57·5	1·99	51	–	·44	30	16	14	0	0	0	0	0	7	0	4·60	–	36
	Ayr	2121 9	43	60·8	(49·1)	(54·9)	–	66	1	39	14	–	–	1·76	45	–	·60	30	13	13	0	0	0	0	0	0	–	4·88	–	38
	Colmonell ..	9 9 9	170	60·2	47·7	53·9	-0·4	67	27	35	17,19	–	–	2·49	63	72	·71	30	20	15	0	0	0	0	0	0	–	–	–	–
	Kilmarnock ..	9 9 9	130	60·8	46·7	53·7	0·0	67	27	33	11	55·9	57·0	2·55	65	–	·46	30	18	16	0	0	0	0	0	0	0	4·57	–	36
	Troon	9 9 9	15	59·5	49·9	54·7	–	64	6	39	17	–	–	1·91	49	–	·50	30	16	13	0	0	0	0	0	0	0	4·81	–	38
	Turnberry ..	9 9 9	30	60·1	49·6	54·9	+0·3	67	27	41	16,20	–	–	1·26	32	–	·24	23	16	13	0	0	0	0	0	0	0	4·93	116	39
Dumfries	Dumfries.. ¶§	2121 9	140	60·6	46·8	53·7	0·0	68	27	37	11	56·6	56·6	2·60	66	102	·54	4	18	13	0	0	0	1	0	1	0	4·24	103	33
	Eskdalemuir ¶§	242424	794	57·9	42·8	50·3	+0·3	65	27	33	19	54·9	53·8	4·80	122	130	1·02	5	20	15	0	0	1	3	1	2	2	3·82	103	30
		18–7 –	—	58·0	44·3	51·1	+0·4																							
	Ruthwell.. ‖ ..	2121 9	67	62·2	45·9	54·1	+0·4	69	22,27	35	11	–	–	3·04	77	–	·80	1	17	14	0	0	0	0	–	–	0	4·38	113	34S

¶§ S *See* Notes on Tables on last page of this issue. ‖ On and after 18th April observations were taken one hour earlier than the times shown.

† Observations taken at 17h. G.M.T. instead of 18h G.M.T. on Sundays during Summer time.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS SEPTEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum	Date	Absolute Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	59·6	50·2	54·9	*0·0*	67	27	43	16	–	–	2·50	63	76	·55	5	16	11	0	0	0	1	0	0	0	5·15	101	41
	Point of Ayre ..	18–7 7	30	62·8	51·2	57·0	–	72	27	41	16,26	–	–	2·59	66	–	·73	12	13	10	0	0	0	0	0	–	0	5·01	–	39
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	60·0	47·6	53·8	+0·3	69	27	37	19	–	–	·56	14	31	·12	1	13	5	0	0	0	0	0	1	1	4·78	*106*	38
	Bellingham ..	9 9 9	849	58·4	44·1	51·3	*-0·2*	69	27	35	14	–	–	3·38	86	141	1·17	17	18	14	0	0	0	1	1	–	–	–	–	–
	Cockle Park ¶§	2121 9	325	60·8	45·9	53·3	+0·6	70	27	38	16	52·3	54·4	1·84	47	88	·54	17	17	9	0	0	0	0	1	0	0	3·98	89	31
	Tynemouth ..	18–7 7	108	60·7	50·3	55·5	+0·3	68	3,7,27	42	14	–	–	1·23	31	68	·46	17	15	7	0	0	0	0	2	2	0	4·28	–	34
Durham	Chopwellwood ..	9 9 9	446	60·9	47·2	54·1	+1·2	69	3	38	16	–	–	2·00	51	96	1·53	17	9	7	0	0	0	0	0	0	–	4·06	92	32
	Durham .. ¶§	2121 9	336	61·8	45·9	53·9	+0·4	69	7	34	19	–	–	1·57	40	90	·99	17	9	7	0	0	0	0	2	2	0	3·94	94	31
	Houghall.. ..	9 9 9	160	63·1	45·1	54·1	*-0·3*	70	7	32	21,22	–	–	1·48	38	–	·91	17	8	6	0	0	0	0	1	4	0	3·58	86	28
	Sunderland ..	9 9 9	70	62·3	49·2	55·7	–	70	6	39	19	–	–	1·62	41	–	·96	17	16	7	0	0	0	0	1	0	–	–	–	–
	Ushaw College ..	9 9 9	594	60·1	47·4	53·7	0·0	67	7	39	16	–	–	1·76	45	88	1·23	17	13	6	0	0	0	0	7	–	–	–	–	–
Yorks., N. Riding	Ampleforth ..	9 9 9	313	62·2	47·0	54·6	0·0	70	6,7	37	21	–	–	1·46	37	–	·66	17	12	6	0	0	0	0	4	1	–	4·41	–	35
	Castleton ..	9 9 9	450	61·9	45·6	53·7	–	70	6,7,27	36	21	55·2	–	2·16	55	–	·94	17	13	10	0	0	0	0	0	0	–	–	–	–
	Catterick.. ..	18–7 7	175	61·8	46·6	54·2	–	72	7	37	19,21	–	–	·80	20	–	·28	17	10	5	0	0	0	1	3	0	0	3·73	–	29
	Scarborough †¶§	9 9 9	118	63·7	50·9	57·3	+0·4	73	6	43	16	–	58·1	1·49	38	84	·80	17	13	7	0	0	0	1	0	0	0	4·73	102	37
	York .. ¶§	2121 9	57	64·0	48·3	56·1	+0·2	75	6	39	21	57·0	57·5	1·06	27	66	·45	17	14	5	0	0	0	0	–	–	0	4·37	103	34
Yorks., E. Riding	Hull	2121 9	8	65·1	50·5	57·8	+1·7	76	7	41	21	57·2	57·0	1·29	33	75	·72	17	10	6	0	0	0	1	2	0	–	5·06	*112*	40
	Spurn Head ..	18–7 7	29	64·0	51·7	57·9	+0·5	76	7	44	16,30	–	–	·93	24	58	·22	17	44	9	0	0	0	0	3	–	0	5·39	*110*	42
Lincoln	Cranwell .. ††¶§	18–7 7	203	64·9	46·6	55·7	*-0·4*	77	7	37	30	57·6	58·4	·75	19	42	·21	17	11	6	0	0	0	1	6	1	0	4·65	97	37
	Cleethorpes ..	9 9 9	23	65·0	49·3	57·1	+0·1	76	7	40	16	–	–	·93	24	–	·37	17	15	7	0	0	0	0	0	0	–	5·25	*108*	41
	Skegness ..	9 9 9	15	64·0	49·8	56·9	+0·4	77	7	40	21	–	–	1·17	30	65	·31	17	12	6	0	0	0	0	0	0	–	5·07	97	40
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	65·1	51·0	58·1	+0·4	77	7	42	16	–	–	2·19	55	121	1·14	19	17	12	0	0	0	3	1	0	0	5·37	104	42
	Hunstanton ..	9 9 9	105	65·1	50·8	57·9	*-0·4*	77	7	44	16	–	–	1·13	29	–	·30	17	12	7	0	0	0	0	1	–	–	5·18	*105*	41
	Norwich	9 9 9	110	65·9	49·2	57·5	+0·4	80	7	40	23	57·0	–	1·70	43	–	·31	19	16	12	0	0	0	3	–	0	–	5·23	*101*	41
	Sprowston ..	9 9 9	93	65·5	49·4	57·5	+0·4	79	7	40	23	–	–	1·88	48	–	·46	19	17	12	0	0	0	2	–	1	–	5·08	99	40
	Terrington ..	9 9 9	13	66·5	47·4	56·9	–	79	7,8	39	19	–	–	1·01	26	–	·35	17	11	6	0	0	0	1	0	–	–	4·62	–	36
	Thetford (Lynford Nursery) ..	9 9 9	99	65·8	44·8	55·3	–	80	7	33	10,23	58·4	59·5	1·95	49	–	·71	19	16	11	0	0	0	2	1	3	–	4·70	–	37
	Yarmouth ¶§	18–7 7	5	64·7	52·6	58·7	+0·6	79	7	45	21	60·0	58·8	2·98	76	152	1·06	19	14	12	0	0	0	2	0	0	0	5·07	97	40
Suffolk	Bungay (Flix'n)..	9 9 9	79	65·8	48·5	57·1	*-0·3*	81	7	39	23	–	–	2·08	53	–	·54	19	15	13	0	0	0	0	0	0	–	–	–	–
	Chadacre	9 9 9	250	65·8	47·1	56·5	–	81	7	36	23	–	–	·97	25	–	·21	12	17	8	0	0	0	0	2	0	–	5·23	–	42
	Copdock	9 9 9	164	66·5	48·7	57·6	+0·7	81	7	39	21	58·4	59·0	1·57	40	–	·31	16	16	13	0	0	0	1	0	0	–	5·28	*104*	42
	Felixstowe Aero..	18–7–7	15	65·1	52·2	58·7	+0·2	77	7	44	21,23	–	–	1·75	45	106	·48	13	16	11	0	0	0	2	1	0	0	5·94	102	47
	Lowestoft ..	9 9 9	82	66·4	51·7	59·1	+1·2	82	7	45	10,16	60·1	60·9	2·17	55	110	·59	19	15	11	0	0	0	2	0	0	0	5·21	92	41
	Mildenhall ..	18–7 7	19	65·1	47·6	56·3	–	79	7	37	21	–	–	2·49	63	–	·88	19	16	9	0	0	1	2	5	0	0	5·02	–	40
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	65·5	46·9	56·2	-0·7	80	7	38	21	58·4	59·3	2·37	60	147	·73	17	13	8	0	0	1	2	0	0	0	4·89	100	39
	(Univ. Farm) ..	9 9 9	78	65·9	48·0	56·9	–	81	7	40	21	–	–	2·99	76	–	·93	19	15	8	0	0	0	2	1	0	0	5·10	–	40
Bedford	Luton	9 9 9	381	67·6	47·2	57·4	+1·3	79	6	36	21	65·7	60·1	1·85	47	–	·88	17	14	8	–	–	–	–	1	1	–	4·57	93	36
	Woburn	9 9 9	291	64·1	46·4	55·3	-0·4	78	7	36	23	58·2	56·7	1·46	37	82	·44	18	16	7	0	0	0	3	0	0	–	5·01	105	40
Hertford	Rickmansworth	9 9 9	192	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rothamsted ¶§	9 9 9	420	63·4	47·0	55·2	-0·5	77	7	39	21	56·5	–	2·55	65	132	·61	17	16	12	0	0	0	3	1	0	0	4·59	91	36
	St. Albans ..	9 9 9	272	65·1	45·5	55·3	*-1·4*	77	7	34	21	59·1	–	2·03	51	114	·48	16	14	13	0	0	0	2	1	1	–	–	–	–
Essex	Clacton-on-S. ¶§	9 9 9	53	64·7	51·6	58·1	+0·3	75	7	41	21	60·0	60·5	2·86	73	162	·73	18	15	13	0	0	0	1	0	0	–	5·75	99	46
	Chelmsford ..	9 9 9	134	67·4	48·1	57·7	+0·9	80	7	38	21,23	–	–	1·28	33	74	·28	16	15	12	0	0	0	1	–	–	–	–	–	–
	Chelmsford (Agr. St.)	9 9 9	193	66·8	47·5	57·1	-	78	7	39	21,23	–	–	1·56	40	–	·53	16	15	10	0	0	0	2	–	0	–	5·46	–	43
	Earls Colne ..	9 9 9	168	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Halstead ..	9 9 9	140	67·1	47·3	57·2	0·0	81	7	37	21	–	–	1·15	29	–	·27	12	16	11	0	0	0	0	0	–	–	–	–	–
	Shoeburyness ..	18–7 7	11	66·8	50·4	58·6	*+0·1*	79	7	41	21	–	–	2·15	55	130	·37	16	16	12	0	0	0	0	2	0	0	5·61	*103*	45
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	63·5	45·8	54·7	-	75	7	36	16,21	–	–	·96	24	–	·36	16	8	5	0	0	0	0	1	1	–	4·56	–	36
	Bingley	9 9 9	610	61·0	46·7	53·9	–	71	7	37	12	–	–	1·37	35	–	·30	17	16	8	0	0	0	0	4	2	–	–	–	–
	Bradford ..	9 9 9	439	61·6	48·1	54·9	+0·4	73	7,27	38	12	54·9	57·0	1·46	37	70	·38	17	14	6	–	–	–	–	7	0	–	3·42	86	27
	Doncaster ..	9 9 9	30	64·7	45·7	55·2	–	76	7	35	17,22	–	–	1·01	26	–	·39	17	9	5	0	0	0	2	2	11	–	4·03	–	32
	Giggleswick ..	9 9 9	575	60·3	45·4	52·9	-0·2	71	27	32	21	–	–	2·47	63	–	·33	15	16	13	0	0	0	0	1	–	0	3·54	*90*	28
	Harrogate ¶§	9 9 9	478	61·7	48·0	54·9	*+1·2*	71	7	40	12,22	55·4	56·1	1·19	30	59	·59	17	10	5	0	0	0	1	5	0	0	4·49	100	35
	Huddersfield ..	2121 9	325	63·1	46·5	54·8	*-0·1*	75	27	37	10	55·9	57·0	1·47	37	79	·76	17	9	6	0	0	0	0	3	5	–	3·86	*101*	30
	,, (Oakes)	9 9 9	761	62·0	47·5	54·7	*+0·1*	73	27	41	12,16,21	54·2	53·8	1·69	43	79	·65	17	15	10	0	0	0	1	4	0	0	–	–	–
	Meltham .. **	9 9 9	514	61·8	46·8	54·3	0·0	73	27	38	12	54·2	54·6	1·70	43	61	·37	17	15	10	0	0	0	1	4	0	–	–	–	–
	Pontefract ..	9 9 9	255	62·7	48·2	55·5	*-0·8*	75	7	40	16	–	–	1·40	36	94	·72	17	8	5	–	–	–	–	6	0	–	4·49	–	35
	Sheffield	9 9 9	428	63·5	49·1	56·3	+0·4	76	7	42	16	55·2	55·9	1·97	50	106	1·24	16	9	7	0	0	0	0	–	0	0	4·67	112	37
	Wakefield ..	9 9 9	124	65·2	47·0	56·1	*+0·2*	77	7	38	22	55·8	56·5	1·36	35	84	·64	17	13	5	0	0	0	2	5	0	–	3·63	93	29S
Derby	Belper (School) ..	9 9 9	222	64·8	44·6	54·7	*-0·5*	78	7	34	16	–	–	1·20	30	62	·36	17	10	7	0	0	0	2	–	–	–	–	–	–
	Buxton ..	9 9 9	1007	59·1	45·9	52·5	*0·0*	71	7	37	12,21	54·1	55·0	1·50	38	46	·36	17	13	8	0	0	0	0	3	0	–	4·26	*104*	34
Nottingham	Attenborough ..	18 7 7	89	66·2	45·9	56·1	-	79	7	33	21	56·9	56·6	1·11	28	–	·25	17	13	7	0	0	0	2	5	6	0	–	–	–
	Mansfield ..	9 9 9	357	63·7	47·5	55·6	*-0·9*	77	7	38	21	–	–	1·63	41	–	·38	17	9	8	0	0	0	2	5	–	–	–	–	–

† At Scarborough the earth thermometer is at a depth of 3 ft.

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

†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS SEPTEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
4 MID COUNTIES—*cont.*																														
Nottingham	Nottingham ¶§	9 9 9	192	64·9	48·9	56·9	+0·8	77	7	39	21	55·6	58·9	1·04	26	63	·41	17	12	4	-	-	-	-	4	0	-	4·55	*109*	36
cont.	Sutton Bon'gton	9 9 9	157	64·9	47·4	56·1	*0·0*	78	7	36	21	56·9	-	1·98	50	132	1·22	18	11	5	0	0	0	1	2	1	-	4·76	*110*	37
	Worksop ..	9 9 9	56	65·5	46·2	55·9	0·0	76	7	36	22	56·2	56·3	1·70	43	111	·52	18	10	7	0	0	0	1	-	0	0	4·72	104	37
Leicester	Belvoir Castle ..	2121 9	259	64·6	47·1	55·9	+0·6	77	7	40	30	58·0	57·3	·97	25	53	·29	12	12	7	-	-	-	-	-	0	-	4·86	102	38
	Leicester ..	9 9 9	325	65·1	46·6	55·9	-	74	6,27	31	21	56·9	57·6	1·67	42	-	·70	17	9	9	0	0	0	0	0	2	-	4·26	-	34
Northampton	Oundle	9 9 9	147	65·3	46·7	56·0	+0·2	80	7	39	23,30	57·4	57·6	1·27	32	-	·35	16	11	8	0	0	0	0	2	1	-	5·00	*109*	39
Warwick	Birmingham ¶§	18–7 7	535	63·1	49·2	56·1	*-0·2*	76	7	42	11,12,16	54·4	54·9	1·99	51	110	·58	18	13	11	0	0	0	1	4	0	0	4·82	117	38
	„ Sparkhill	713 7	425	65·5	47·6	56·5	*+0·8*	79	7	89	12	-	-	1·73	44	91	·41	18	13	11	0	0	0	1	6	3	-	-	-	-
	Coventry	9 9 9	241	65·0	46·5	55·7	-0·8	78	7	37	21	58·7	59·9	1·95	49	108	·84	13	12	10	0	0	0	0	0	1	-	4·97	116	39
	Rugby	2121 9	390	65·1	45·3	55·2	*-0·3*	78	7	33	21	-	-	1·23	31	-	·29	17	12	8	0	0	0	1	-	4	-	4·76	-	38
	Stratford-on-Avon	9 9 9	210	65·7	46·6	56·1	-	77	7	38	10,21,23	-	-	1·69	43	-	·34	17	12	9	0	0	0	2	0	-	-	4·83	-	38
Oxford	Oxford .. ¶§	9 9 9	208	66·7	48·4	57·5	+0·6	80	7	40	23	59·3	59·5	1·98	50	117	·51	17	13	9	0	0	0	1	0	0	0	4·77	100	38
Bucks	Halton	9 9 9	544	64·6	48·4	56·5	-	78	7	38	11	58·3	58·5	2·85	73	-	·77	17	16	11	0	0	0	2	1	2	-	4·73	-	38
	Mursley	9 9 9	490	63·8	47·7	55·7	*-0·2*	77	7	37	21	55·4	-	1·41	36	73	·30	16	15	11	-	-	-	-	-	-	-	4·75	*104*	38
Stafford	Market Drayton	9 9 9	581	63·1	46·9	55·0	-	77	7	35	12	-	-	1·68	43	-	·36	12	13	8	0	0	0	1	0	1	-	5·26	-	42
	Mayfield	9 9 9	374	63·7	43·2	53·5	*-0·2*	76	7	32	21	-	-	1·25	32	55	·34	12	11	7	0	0	0	1	-	1	-	4·69	*107*	37
Shropshire	Newport	9 9 9	211	63·6	46·1	54·9	-	76	7	34	11,12	-	-	2·27	58	126	·57	17	15	8	0	0	0	1	0	4	-	4·86	-	38
	Shrewsbury ..	9 9 9	184	64·6	47·0	55·8	*+0·1*	78	7	37	10,21	58·2	59·4	1·60	41	-	·52	17	13	10	0	0	0	1	0	2	0	4·86	-	38
Worcester	Malvern	9 9 9	380	65·0	50·8	57·9	*+1·0*	78	7	44	12,16	58·5	59·2	2·46	63	128	1·06	17	11	8	0	0	0	1	0	0	-	5·60	*117*	44
	Worcester (Perdiswell) ..	9 9 9	94	65·6	46·8	56·2	*-0·4*	78	7	36	12	-	-	2·60	66	-	1·07	18	11	8	0	0	0	2	-	1	-	5·09	-	40
Hereford	Bromyard ..	9 9 9	393	64·5	45·2	54·9	*-0·2*	76	7	33	11	57·5	58·1	2·01	51	-	·63	17	14	10	0	0	0	1	1	1	-	-	-	-
	Hereford ..	9 9 9	292	64·4	47·3	55·9	*+0·5*	76	7	36	21	-	-	1·79	45	97	·57	18	12	9	0	0	0	1	0	0	-	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	64·6	48·9	56·7	*0·0*	75	7	38	21	58·0	58·9	2·30	58	119	·84	18	12	9	0	0	0	0	3	0	0	5·08	*112*	40
Gloucester	Bristol (Horfield)	18–7 7	206	66·0	49·8	57·9	-	77	6	39	12	60·3	60·6	2·05	52	-	·57	19	11	8	0	0	0	1	1	0	0	-	-	-
	Cheltenham ..	2121 9	214	65·2	49·0	57·1	*0·0*	76	6,7	37	12	59·3	61·9	1·59	40	86	·43	9	12	8	0	0	0	0	0	0	0	4·97	*106*	39
	Cirencester ..	9 9 9	443	63·9	46·5	55·2	*-0·3*	76	6,7	40	11,12,23	-	-	1·60	41	-	·41	9	13	7	0	0	0	0	0	0	-	5·06	96	40
	Parkend	9 9 9	325	62·7	46·0	54·3	-	72	6,7,27	32	11	57·4	58·1	1·75	44	-	·49	18	14	9	0	0	0	0	0	4	-	5·10	-	40
5 ENGLAND, S.E.																														
London	City, Bunhill Row ..	—	—																									4·44	103	35
	Camden Square ..	9 9 9	110	67·6	50·9	59·3	+0·3	80	7	40	21	58·3	58·8	1·54	39	85	·31	16	14	12	0	0	0	3	-	0	-	-	-	-
	East Ham ..	9 9 9	15	68·0	50·4	59·2	+1·1	79	7	42	21	-	-	1·13	29	63	·32	17	14	8	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	(67·1)	48·8	(67·9)	(+0·2)	(79)	(6,7,8)	40	21	-	59·3	1·72	44	95	·48	17	14	11	0	0	1	1	1	0	-	5·06	*104*	40
	*g*Greenwich ..	2424 9	149	68·0	48·9	58·5	+0·4	83	7	38	21	58·5	58·7	1·28	32	72	·24	9	14	11	0	0	0	1	2	1	0	4·82	96	38
		21 9 –	—	68·0	49·3	58·7	-																							
	Hampstead ..	9 9 9	450	64·9	48·6	56·7	*+0·1*	77	7	40	21	-	-	1·76	45	-	·32	16	15	13	0	0	1	3	-	1	-	4·92	*99*	39
	Kensington ..	18–9 9	80	66·1	50·7	58·4	*-0·7*	77	6,7	40	21	60·2	60·4	1·46	37	82	·23	9,16	14	11	0	0	0	1	3	1	0	4·80	-	38
	Kingsway ..	—	—																									4·85	-	38
	Regent's Park ..	9 9 9	129	67·6	50·3	58·9	-	78	7	41	10,21	-	-	1·66	42	-	·30	17	14	11	0	0	0	0	1	0	-	4·75	112	38
	Kew ¶§	242424	18	65·3	49·5	57·4	-0·1	76	7	41	21	59·2	60·1	2·04	52	108	·57	17	12	8	0	0	0	3	6	0	0	5·10	104	40
	Observatory ..	18–7 –	—	65·2	49·8	57·5	-1·5																							
	Tottenham ††¶§	2121 9	51	67·5	51·5	59·5	+1·0	79	6,7,8	42	21	-	61·9	1·53	39	90	·40	17	14	8	0	0	0	1	-	0	-	4·91	*101*	39
	Westminster ..	9 9 9	27	67·3	52·0	59·7	+0·6	78	8	42	21	-	-	1·32	34	80	·26	9	14	9	0	0	0	2	-	0	-	4·83	105	38
Surrey	Addington ..	9 9 9	472	64·7	50·0	57·3	+0·5	75	6	39	21	-	-	1·82	46	-	·28	9	15	14	0	0	0	1	0	-	-	-	-	-
	Croydon	18–7 7	217	65·9	49·7	57·8	*-0·3*	77	7	39	21	-	-	2·40	61	122	·49	13	15	14	0	0	0	1	1	0	0	4·89	*97*	39
	Wisley	9 9 9	150	66·6	47·6	57·1	0·0	78	6,7	37	21	59·5	60·5	2·04	52	-	·42	16	14	10	0	0	0	1	2	1	0	4·76	95	38
Kent	Biggin Hill ..	18–7 7	567	63·5	49·1	56·3	*-0·2*	74	7	40	21	-	-	2·15	55	94	·33	13	15	13	0	0	0	1	4	0	0	5·23	*99*	41
	Bromley	9 9 9	213	66·9	49·3	58·1	-	78	7	39	21	-	-	1·46	37	81	·26	9	15	13	0	0	0	1	0	0	-	-	-	-
	Canterbury ..	9 9 9	135	67·7	49·1	58·4	*+0·2*	80	7	40	23	59·2	59·6	3·27	83	-	·78	13	12	10	-	-	-	-	-	0	-	-	-	-
	Dover	9 9 9	22	65·8	52·6	59·2	*+0·7*	73	3	45	21,23,24	62·5	63·7	3·48	88	-	1·11	18	15	10	0	0	0	3	0	0	0	6·26	*109*	50
	Dungeness ..	18–7 7	20	65·9	51·7	58·8	*0·0*	77	6	41	21,24	-	-	2·77	70	135	·78	19	11	9	0	0	0	1	0	-	0	-	-	-
	East Malling ..	9 9 9	132	66·2	45·7	55·9	*-0·2*	75	6,7	36	24	-	-	2·57	65	-	·50	19	14	13	0	0	0	0	0	0	0	5·41	*105*	43
	Folkestone ..	9 9 9	101	65·8	52·4	59·1	*-0·2*	73	3	44	21	-	60·8	3·11	79	-	·77	18	13	11	0	0	0	0	0	0	-	5·94	103	47
	Goudhurst ..	9 9 9	290	65·7	46·7	56·2	-	75	6,7	37	21,23	-	-	1·74	44	-	·34	18	15	9	0	0	0	0	2	0	3	-	-	-
	Lympne	18–7 7	346	64·3	50·5	57·4	*+0·2*	74	6	42	21	-	61·3	2·22	57	97	·43	13	13	11	0	0	0	3	2	0	0	5·73	*102*	45
	Manston	18–7 7	142	66·2	50·9	58·5	-	79	7	42	23	-	-	2·65	67	-	·52	17	10	9	0	0	0	2	3	0	0	5·87	-	47
	Margate .. ¶§	9 9 9	51	65·7	54·3	60·0	*+0·3*	77	6,7	49	13,16	61·5	62·3	2·50	63	127	·71	18	11	10	0	0	0	2	0	0	0	6·11	101	48
	Tunbridge W. ..	9 9 9	355	66·0	47·6	56·8	*-0·5*	76	6	36	21	59·2	60·9	2·17	55	-	·54	15	14	10	0	0	0	2	0	0	0	5·59	103	44
	Wye	9 9 9	164	67·4	47·4	57·4	*+0·1*	76	6,7	38	24	-	-	2·47	63	-	·85	17	12	9	0	0	0	0	-	0	0	5·83	*109*	46
Sussex	Ardingly ..	9 9 9	437	64·9	48·9	56·9	*+0·1*	75	6	39	21	-	-	2·37	60	-	·42	9,16	16	11	0	0	0	1	-	0	-	-	-	-
	Beachy Head ..	18–7 7	502	60·8	51·1	55·9	*-1·8*	69	6	40	11	-	-	2·33	59	-	·70	18	9	7	0	0	0	1	1	-	-	-	-	-
	Brighton ..	9 9 9	32	65·2	52·4	58·8	*-0·1*	73	8	42	21	-	63·0	1·90	48	91	·46	9	13	9	0	0	0	1	0	0	0	5·85	100	46
	Eastbourne ..	2121 9	35	66·2	52·4	59·3	*+0·8*	74	6,8	45	11,21,24	61·6	62·3	2·62	67	104	·98	18	12	8	0	0	0	1	0	0	0	6·35	108	50
	Hastings ¶§	2121 9	149	65·7	52·7	59·2	*+0·5*	72	3,6	44	21	62·1	61·4	2·76	70	119	1·08	18	12	11	0	0	0	1	0	0	0	6·25	106	50
Berkshire	Ascot H'therw'd	2121 9	300	65·7	47·2	56·5	*-0·4*	77	6,7	38	21	-	-	2·01	51	-	·50	13	14	11	0	0	0	2	3	3	-	5·22	*105*	41
	Reading	9 9 9	152	65·9	48·1	57·0	-0·1	78	7	37	21	59·5	61·0	1·93	49	-	·64	16	12	8	0	0	0	2	-	0	0	-	-	-
	Shinfield ..	9 9 9	200	66·1	47·5	56·8	*-0·3*	78	7	38	21,23	-	-	1·96	50	-	·49	16	13	10	0	0	0	2	-	-	-	-	-	-
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 SEPTEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days								BRIGHT SUNSHINE		
				Means of				Absolute Maximum and Minimum										Precip'n									Percentage	
														Total Fall		Percentage of Average	Most in a day											
		Max. Min. Rain		A Max.	B Min.	Mean of A and B	Difference from Average	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	of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
5 ENGLAND, S.E.—*cont.*																														
Hampshire	Bournemouth ..	9 9 9	139	66·2	49·4	57·8	*0·0*	75	6	40	29	60·0	60·4	2·46	62	106	·79	16	12	11	0	0	0	0	1	-	-	5·71	105	45
	Calshot	18–7 7	8	65·4	52·2	58·8	*-0·3*	75	6	44	21	-	-	1·55	39	73	·49	9	11	9	0	0	0	2	3	0	0	5·48	*98*	43
	Leckford ..	9 9 9	385	64·4	47·4	55·9	–	74	7	37	24	57·4	–	2·79	71	–	1·14	17	13	12	0	0	1	-	2	-	-	4·69	–	37
	Long Sutton ..	9 9 9	479	65·4	48·0	56·7	*-0·4*	75	7	38	12	59·8	-	1·99	51	–	·43	16	13	12	0	0	0	1	0	0	-	5·19	*103*	41
	Southamp'n ¶§	2121 9	64	65·6	49·7	57·7	*-0·4*	75	6	42	11	–	–	1·83	46	85	·48	9	15	12	0	0	0	2	1	0	0	5·08	94	40
	S. Farnboro' †† ..	18–7 7	226	65·3	46·1	55·7	*-1·4*	77	7	32	21	–	–	2·19	56	113	·72	13	13	9	0	0	0	3	6	4	0	5·16	*100*	41
I. of Wight	Newport	9 9 9	48	67·4	48·4	57·9	*-0·2*	76	5,6	38	21	–	–	3·01	76	–	·92	9	12	10	0	0	0	1	0	0	0	–	–	–
	Ryde	9 9 9	13	65·6	52·0	58·8	*-0·1*	75	6	43	21	–	–	2·08	53	–	·62	9	12	8	0	0	0	1	2	-	0	5·54	*105*	44
	Sandown ..	9 9 9	13	65·3	52·1	58·7	*-0·3*	71	2,6,7	43	21	–	–	2·52	64	–	·77	9	12	10	0	0	0	0	0	–	–	6·04	105	48
	Totland Bay ..	9 9 9	140	64·3	52·1	58·2	-0·1	70	6,7,8	44	12	–	–	2·52	64	112	·68	9	14	11	0	0	0	1	1	0	0	5·74	102	46
	Ventnor(Hospital)	9 9 9	59	65·2	53·9	59·5	-0·1	71	5,6,8	45	11	–	–	2·72	69	110	·80	9	13	10	0	0	0	2	–	–	0	5·99	104	48
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	64·6	47·6	56·1	–	75	6	38	11	–	–	2·19	56	–	·54	16	13	11	0	0	0	3	4	0	0	4·97	–	39
	Larkhill	9 9 9	440	64·9	47·5	56·2	*-0·1*	75	6	38	24	–	–	2·15	55	127	·61	16	12	9	0	0	0	2	2	1	0	–	–	–
	Marlboro' ‖ ¶§	9 9 9	424	65·2	45·4	55·3	+0·5	77	6	33	11	57·4	57·0	2·61	66	125	·84	17	13	9	0	0	0	1	2	4	0	4·94	104	39
	Porton	9 9 9	363	65·8	46·7	56·3	+0·3	76	6	38	12,21,24	58·1	–	2·16	55	125	·84	16	12	10	0	0	0	3	2	1	0	5·09	*101*	40
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	60·9	46·8	53·9	-0·3	71	27	37	21	56·1	57·1	5·08	129	121	1·20	1	15	12	0	0	0	0	0	1	0	3·89	*102*	31
	Newton Rigg ¶§	2121 9	560	59·8	45·5	52·7	-0·2	69	27	37	10,21	–	–	2·47	63	91	·54	17	15	10	0	0	0	1	0	6	0	3·68	89	29
Westmorland	Ambleside ..	9 9 9	145	61·6	46·4	54·0	–	72	27	35	21	–	–	4·90	124	–	1·18	5	16	14	0	0	0	0	0	–	–	3·41	–	27
	Appleby	9 9 9	440	60·6	44·4	52·5	*-0·1*	71	27	30	17	–	–	2·38	60	95	·58	17	16	11	0	0	0	-	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	62·2	48·2	55·2	*-0·1*	73	27	38	12	56·2	56·3	1·94	49	55	·55	15	18	10	0	0	0	0	-	0	-	2·97	88	238
	Burnley	9 9 9	458	61·3	46·6	53·9	*+0·2*	73	27	34	10	55·9	56·5	1·82	46	–	·32	17	16	10	0	0	0	0	4	-	-	3·47	94	27
	Darwen	2121 9	724	62·1	46·8	54·5	*+0·7*	78	27	39	12	56·5	56·1	2·04	52	53	·35	1	21	11	0	0	0	1	4	0	-	3·50	94	288
	Hutton	9 9 9	82	62·2	47·6	54·9	*-0·3*	73	27	34	10	56·2	57·1	2·15	55	–	·67	12	13	10	0	0	0	0	3	4	0	3·93	93	31
	Lancaster ..	9 9 9	312	62·4	49·5	55·9	*+0·3*	75	27	41	11	56·1	56·2	2·68	68	79	·79	15	14	10	0	0	0	0	0	0	-	3·83	88	30
	Leyland	9 9 9	125	63·0	47·4	55·2	*+0·4*	74	27	35	10	–	–	2·22	56	75	·65	1	12	9	0	0	0	0	1	0	-	4·20	*100*	33
	Manchester (Barton) ..	18–7 7	70	63·5	45·8	54·7	–	75	27	31	10	–	–	1·03	26	–	·31	1	13	5	0	0	0	0	5	4	0	3·56	–	28
	(Oldham Road)	2121 9	191	63·9	51·4	57·7	*+0·8*	75	27	44	10,12	58·1	59·9	1·11	28	42	·28	12	10	7	0	-	0	0	-	0	-	3·20	94	258
	(Whitworth Pk.)	2121 9	125	64·6	49·1	56·9	*+0·7*	75	27	39	10,21	–	–	1·02	26	43	·24	12	10	8	-	-	-	-	5	0	-	3·30	94	26
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	63·1	49·3	56·2	*+0·3*	74	27	40	10,11	56·7	57·2	2·02	51	73	·56	15	11	9	0	0	1	2	0	2	0	4·78	103	38
	Stonyhurst ¶§	9 9 9	377	60·6	48·0	54·3	0·0	71	27	39	21	–	–	2·64	67	69	·47	24	21	11	0	0	0	0	1	0	0	3·94	95	31
Cheshire	Bidston Obs'y ..	9 9 9	198	61·0	51·1	56·1	*+0·2*	71	27	43	16	–	–	2·09	53	87	·89	12	14	9	0	0	0	2	1	0	0	4·81	*110*	38
	Hoylake	9 9 9	23	63·3	50·7	57·0	*+0·5*	73	27	41	17	–	–	2·39	61	98	·81	12	15	11	0	0	0	1	-	0	-	5·05	108	40
	Macclesfield ..	9 9 9	500	63·2	48·0	55·6	*+1·0*	75	7	38	11,12	–	–	1·31	33	52	·40	12	11	8	0	0	0	0	0	-	-	-	-	-
	West Kirby ..	9 9 9	25	64·2	51·3	57·7	*+0·2*	74	27	44	11,16,19	–	–	2·01	51	87	·47	12	13	10	0	0	0	2	0	0	-	4·78	*101*	38
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	64·9	49·1	57·0	*+0·5*	77	7	40	11	–	–	2·06	52	–	·37	17	16	10	0	0	0	1	1	–	–	–	–	–
	Rhyl	9 9 9	31	63·5	51·0	57·3	*+0·8*	76	27	41	21	–	–	2·18	55	104	·63	12	16	10	0	0	0	1	0	0	0	4·63	96	36
	Sealand .. ¶§	18–7 7	16	64·5	48·3	56·4	*+0·6*	77	7	39	12	57·7	57·7	1·59	40	78	·36	12	16	10	0	0	0	3	2	0	0	4·59	*106*	36
Anglesey	Holyhead ¶§	18–7 7	26	60·9	53·5	57·2	*+0·6*	71	27	49	16,21,26	–	–	2·99	76	112	·51	24	19	14	0	0	0	1	0	0	0	4·68	98	37
Denbigh	Colwyn Bay ..	9 9 9	118	63·4	52·1	57·7	*+0·6*	76	27	43	17	–	–	1·64	42	69	·46	12	15	10	0	0	0	0	0	-	-	4·39	96	35
Carnarvon	Aber	9 9 9	60	63·1	51·9	57·5	*+0·6*	74	27	45	17	–	–	3·08	78	–	·74	19	19	12	0	0	0	1	-	0	0	4·38	*101*	34
	Llandudno ..	9 9 9	13	62·9	52·7	57·8	*+0·7*	76	27	44	17	–	–	2·60	66	123	·72	19	15	10	0	0	0	3	0	0	0	4·43	94	35
Montgomery	Welshpool ..	9 9 9	254	63·9	46·2	55·1	*-0·2*	75	7	35	11	–	–	1·39	35	71	·63	18	14	10	0	0	0	0	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	62·8	51·5	57·1	*-0·2*	74	27	41	21	–	–	3·31	84	–	·51	17	20	18	0	0	0	3	0	-	-	5·21	107	41
	„ P.B.S.†	9 9 9	452	60·8	50·1	55·5	*-0·4*	73	27	41	12,21	–	–	3·36	85	–	·38	13	20	18	0	0	0	3	0	0	0	4·96	*109*	39
	Ciliau Aeron ..	9 9 9	252																											
Pembroke	Haverfordwest ..	2121 9	233	63·4	48·6	56·0	*+0·5*	70	6,27,28	35	21	–	–	4·98	126	–	·95	16	17	16	0	0	0	1	0	-	-	5·40	*107*	43
	St. Ann's Hd. ¶§	18–7 7	142	61·3	53·2	57·3	*+0·4*	66	2	47	17,21	–	–	2·87	73	105	·88	9	18	13	0	0	0	1	0	-	0	4·55	96	36
Radnor	Llandrindod Wells	9 9 9	772	62·9	45·2	54·1	-	73	27,28	33	21	–	–	3·07	78	–	·95	18	16	14	0	0	0	1	1	-	0	4·31	-	34
	Rhayader ¶§	9 9 9	757	61·8	45·5	53·7	*+0·2*	73	27	31	21	–	–	2·30	59	72	·39	17	18	13	0	0	0	1	2	5	0	4·17	*98*	33
Brecknock	Cantref	9 9 9	1080	58·9	46·4	52·7	-	68	27	36	21	–	–	3·29	84	–	·62	9	19	15	0	0	0	0	0	-	-	4·61	–	37
Glamorgan	Cardiff	2121 9	203	65·4	50·2	57·8	*+1·3*	76	6	43	15,21	59·1	59·2	1·94	49	63	·60	9	17	11	0	0	0	0	0	0	0	5·32	*109*	42
	Swansea	9 9 9	32	63·7	52·4	58·1	*-0·4*	71	6	43	21	61·3	60·7	3·52	89	–	·69	9	19	14	0	0	0	0	0	0	-	5·25	*111*	42
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	64·3	50·3	57·3	*0·0*	74	6	42	12,21	59·0	59·0	1·90	48	–	·53	16	15	9	-	-	-	-	0	-	-	5·39	–	43
	Usk	9 9 9	70	65·5	44·3	54·9	*-1·0*	74	6,7	34	11,12	60·6	–	1·52	39	–	·51	9	10	10	0	0	0	0	0	0	0	4·60	*108*	37
Somerset	Bath .. ¶§	9 9 9	67	65·8	49·1	57·5	*+0·2*	76	6	39	21,24	59·7	60·5	2·13	54	102	·66	16	14	11	0	0	0	4	0	-	0	5·42	*108*	43
	Cannington ..	9 9 9	95	66·5	49·6	58·1	–	79	6	40	29	–	–	4·26	108	–	1·03	18	18	9	0	0	0	3	0	0	0	4·72	–	37
	Long Ashton ..	9 9 9	162	65·4	48·6	57·0	*0·0*	77	6	38	12	–	–	2·11	54	88	·69	19	15	9	0	0	0	1	0	0	0	5·61	*117*	45

† Plant Breeding Station. ¶§ § *See* Notes on Tables on last page of this issue. †† New site as from May 19, 1937.

‖ On and after April 18th, 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, 1937 7

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature: 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
8b ENGLAND, S.W.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Dorset	Holton Heath ..	9 9 9	64	65·3	47·4	56·3	-1·0	73	6	37	21	61·2	62·9	3·52	89	-	2·21	16	11	9	0	0	0	1	1	0	0	4·79	97	38
	Portland Bill ..	18–7 7	32	62·7	55·3	59·0	-0·5	68	5,6	47	11,12,21	-	-	2·39	61	127	·67	9	12	7	0	0	0	0	0	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	63·3	49·5	56·4	0·0	74	6	40	12	-	-	3·48	89	143	·99	16	15	12	0	0	0	1	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	64·1	47·6	55·9	-1·1	74	6	37	12,21,29	59·4	-	2·71	69	121	·83	9	15	14	0	0	0	0	0	0	-	5·13	102	41
	Ilfracombe ..	9 9 9	25																											
	Killerton ..	9 9 9	159	66·7	49·0	57·9	+0·9	77	6	38	12	-	-	2·74	70	-	·81	16	15	12	-	-	-	-	1	0	-	-	-	-
	Moretonhampstead	9 9 9	798	62·9	48·8	55·9	-	74	6	39	29	57·1	56·5	2·02	51	-	·41	9	18	14	0	0	0	1	0	3	0	5·24	-	42
	Newton Abbot ..	9 9 9	375	65·9	49·2	57·5	-0·6	75	6,27	41	12,21	-	-	2·14	54	99	·46	9	15	10	0	0	0	1	0	0	-	5·32	105	42
	Paignton ..	9 9 9	12	65·9	50·2	58·1	-0·2	76	6	41	21,29	-	-	1·72	44	-	·41	16	16	10	0	0	0	1	0	0	-	5·62	110	45
	Plymouth (Hoe)	2121 9	117	64·5	51·4	57·9	-0·2	71	6	43	21,29	59·7	60·1	2·32	59	91	·72	9	17	13	0	0	0	0	0	0	0	5·50	105	44
	Plymouth (Mount Batten) ..	18–7 7	82	64·6	52·1	58·3	+0·2	71	2,6	43	21,29	-	-	2·20	56	-	·74	9	18	13	0	0	0	1	0	0	0	5·43	106	43
	Princetown ..	9 9 9	1430	60·9	46·7	53·8	+0·1	69	27	39	13	-	-	5·44	138	106	·66	15	20	17	0	0	0	0	11	0	-	-	-	-
	Sidmouth ..	9 9 9	25	64·2	50·3	57·3	-0·2	71	3	41	21	-	-	2·34	59	-	·63	9	14	11	0	0	0	1	0	-	-	5·16	-	41
	Tavistock ..	9 9 9	457	63·8	48·6	56·2	-0·2	73	6	38	21	-	60·6	4·13	105	134	·60	9	19	13	0	0	0	1	1	1	3	0	-	-	-
	Teignmouth ..	9 9 9	20	65·6	51·2	58·4	-0·3	76	6	43	21	-	-	2·23	57	113	·75	16	14	7	0	0	0	1	0	-	-	5·51	104	44
	Torquay	9 9 9	27	64·8	51·3	58·1	-0·8	76	6	43	12,21	-	61·6	1·64	42	80	·43	9	15	9	0	0	0	1	0	0	0	5·95	109	47
Cornwall	Falmouth Obs. ¶§	9 9 9	167	64·9	53·2	59·1	+1·0	76	6	46	12	61·7	63·1	3·20	81	110	·55	9	17	10	0	0	0	2	1	0	-	5·34	102	42
	Fowey	9 9 9	51	65·0	51·7	58·3	-0·2	72	5	42	29	-	-	3·20	81	-	·68	9	17	13	0	0	0	1	0	-	-	4·82	94	38
	Gulval	9 9 9	20	64·1	52·8	58·5	+0·1	72	6	44	21	-	-	3·57	91	-	·81	19	18	12	0	0	0	1	0	0	-	5·09	97	40
	The Lizard ..	18–7 7	240	63·9	53·4	58·7	-	71	6	47	11,12,17	-	-	3·04	77	-	·57	16	19	15	0	0	0	2	2	-	0	-	-	-
	Newquay ..	9 9 9	182	64·0	52·3	58·1	+0·3	77	6	42	21	59·3	59·7	3·48	89	130	·54	9	16	13	0	0	0	1	0	-	0	5·42	105	43
	Redruth	9 9 9	397	64·0	51·6	57·8	+0·9	75	6	44	21	-	-	3·71	94	119	·62	19	19	13	0	0	0	3	1	0	0	-	-	-
9 IRELAND, N.																														
Sligo	Markree Cas. ¶§	2121 9	122	60·8	47·1	53·9	0·0	66	6,22	34	25	57·5	57·0	4·68	119	140	·65	18,25	25	19	0	0	1	2	0	-	0	3·54	95	28
Mayo	Blacksod Pt. ¶	18–7 7	18	58·9	49·7	54·3	-1·9	64	7	42	21	-	-	4·20	107	108	·77	4	23	20	0	0	0	0	1	-	3	-	-	-
	Mallaranny §	9 9 9	113	60·0	49·8	54·9	-0·2	64	1	42	19	-	-	7·08	180	-	·67	4	24	22	-	-	-	-	0	-	-	3·49	89	27
Donegal	Malin Head ¶§	18–7 7	84	59·0	51·8	55·4	+1·0	64	1,23	46	17,21	-	-	4·41	112	167	·94	29	23	21	0	0	0	1	0	-	0	3·04	75	24
Antrim	Aldergrove ..	18–7 7	238	60·6	47·2	53·9	-	67	27	35	19	-	-	2·00	51	80	·65	30	21	11	0	0	0	2	0	2	0	3·79	-	30
Down	†Donaghadee ..	8 8 8	30	61·3	48·9	55·1	+0·6	69	26	42	16,21	-	-	1·85	47	77	·68	30	20	12	-	-	-	-	0	-	-	4·64	-	37
	Hillsborough ..	9 9 9	388	59·6	47·0	53·3	-	66	7,27	34	21	55·8	-	2·65	67	-	·59	30	20	13	0	0	0	0	0	1	0	4·05	-	32
Armagh	Armagh .. ‖ ¶§	2121 9	204	61·4	47·4	54·4	+0·1	68	7	39	17,21	56·7	56·7	2·35	60	96	·59	30	21	16	0	0	1	1	0	0	0	3·55	91	28
Longford	Newtownforbes ..	2121 9	154	60·5	45·8	53·1	-0·6	67	7	37	21,25	55·3	56·2	4·85	123	169	·85	4	23	22	0	0	0	0	-	-	-	-	-	-
10 IRELAND, S.																														
Dublin	Dublin City .. ¶	2121 9	54	61·8	50·7	56·3	+0·3	72	7	43	21	-	-	1·69	43	88	·31	30	17	12	0	0	0	0	0	0	0	-	-	-
	„ Glasnevin ..	2121 9	55	63·5	47·1	55·3	+0·2	73	7	38	21	-	-	1·45	37	72	·25	30	19	10	0	0	0	0	3	0	0	-	-	-
	„ Phœnix Pk. §	2121 9	155	62·3	46·8	54·5	+0·4	72	7	36	21	-	-	1·45	37	75	·19	30	19	13	0	0	0	1	0	1	0	3·58	82	28
	„ Trin. Coll. ..	2121 9	13	63·0	50·1	56·5	+0·4	73	7	42	21	57·7	57·7	1·44	37	78	·28	30	17	9	0	0	0	1	-	0	0	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	62·8	46·5	54·7	-	72	7	36	17,21	-	57·5	1·57	40	-	·20	30	19	12	-	-	-	-	-	-	-	3·30	-	26
	Rathfarnham ..	9 9 9	169	62·1	49·5	55·8	-	72	7	39	21	56·2	-	1·95	50	-	·35	30	21	11	0	0	0	1	0	0	-	4·09	-	32
Wicklow	Newcastle ..	2121 9	256	63·3	48·3	55·8	+0·7	73	7	41	17	-	-	3·46	88	-	·88	30	16	12	0	0	0	0	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18–7 7	173	61·6	47·3	54·5	-0·3	72	7	34	11	56·9	57·4	4·00	102	175	1·27	30	23	18	0	0	0	1	1	7	0	3·06	77	24
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	60·6	47·8	54·2	-0·5	70	7	41	11	-	-	3·94	100	-	·98	8	24	17	0	0	0	2	2	0	2	3·79	85	30
	Waterford ¶	9 9 9	137	61·7	48·9	55·3	-0·8	68	5	39	21	-	-	3·89	99	143	1·12	8	20	14	0	0	0	1	9	-	0	-	-	-
Limerick	Foynes	9 9 9	43	62·7	49·5	56·1	0·0	72	7	44	19	-	-	3·78	96	131	·90	8	22	16	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	60·1	52·3	56·2	-0·1	66	5	44	25	58·5	58·5	6·59	167	159	1·22	9	23	21	0	0	1	0	0	0	0	3·36	79	28
		18–7 –	—	60·7	52·8	56·7	+0·1																							
Cork	Ballinacurra §	9 9 9	24	62·3	49·1	55·7	-0·4	68	5	39	21	-	-	2·81	71	112	·58	8	18	13	0	0	1	0	-	-	-	3·80	84	30
	Cork	9 9 9	57	63·5	48·6	56·1	-0·2	70	5,7,27	40	21	-	-	3·01	76	113	·60	8	19	12	0	0	0	0	0	0	-	3·43	-	27
	Roche's Pt. ¶	18–7 7	22	61·1	52·2	56·7	-0·2	67	5	45	21	-	-	3·40	86	115	·50	9	21	15	0	0	0	0	1	-	0	-	-	-
11 CHANNEL ISLES AND SCILLY																														
Scilly	St. Mary's ¶§	18–7 7	163	63·8	54·7	59·3	+0·8	72	6	50	16,20,21	-	-	3·65	93	150	·52	16	16	13	0	0	0	0	1	-	0	5·36	101	43
Guernsey	St. Peter Port ¶§	18–7 7	175	65·5	54·7	60·1	+0·2	77	6	46	21	61·9	62·5	3·33	85	128	·68	20	16	12	0	0	0	1	0	0	0	6·46	107	51
Jersey	St. Heliers ¶§	9 9 9	28	66·4	55·9	61·1	+0·2	78	6,7	48	21	-	-	3·54	90	147	·94	18	10	9	0	0	0	2	0	-	-	6·16	103	49
GIBRALTAR		18–7 7	393	75·4	65·7	70·5	-2·4	92	10	60	20,24,26	-	-	·08	2	-	·07	16	2	1	0	0	0	1	0	0	0	-	-	-
MALTA		18–7 7	231	80·1	71·3	75·7	-0·4	88	28	63	10	-	-	2·15	55	182	·98	8	6	5	0	0	0	5	0	-	0	7·29	79	59

¶§ § See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Atten-borough	Trent	7	64·6	54·8	59·6
	„	18	66·4	55·5	60·5

TABLE III (*b*)—SKY OBSERVATIONS, SEPTEMBER, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number	NIGHT SKY RECORDER**	GREENWICH	PORTON
Persistently overcast days	1	Recorder in operation on	29 nights	30 nights
„ cloudless „	0	Average exposure (hours)	9·51	8·87
„ foggy „	0	Polaris unobscured (per cent.)	57	59
		δ Ursæ Minoris (ditto)	53	48

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 5th)	591
Mean	215

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

‖ on and after April 18th Observations were taken one hour earlier than the times shown.

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																	
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																														
0 SCOTLAND N.			1	160	1006·6	–	50·6	0·5	12·3	97	7·9	0	2	6	13	9	0	0	0	0	1	0	0	6	23	0	2	3	11	13	1	5	0	0	2	6	9	3	4
			7	160	1005·5	-6·6	50·6	0·7	12·1	95	8·3	0	1	5	13	11	0	0	0	0	0	1	4	4	21	0	3	7	9	10	1	4	0	1	1	6	8	4	5
Shetlands	Lerwick		13	160	1005·9	–	53·2	1·4	12·4	91	8·3	0	0	3	20	7	0	0	0	0	0	0	4	2	24	0	3	7	10	10	0	3	0	0	2	8	8	3	6
			18	160	1006·4	–	51·9	1·2	12·1	91	8·2	0	2	2	20	6	0	0	0	0	1	1	1	3	24	0	2	5	10	13	0	3	0	0	2	7	10	4	4
			9	165	–	–	–	–	–	–	6·7	0	4	8	16	2	0	0	0	0	0	0	4	4	21	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Orkneys	Deerness		21	165	–	–	–	–	–	–	6·8	0	7	4	13	6	0	0	0	0	0	1	0	2	27	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			1	83	1006·3	–	51·2	1·8	11·1	87	7·9	0	1	8	8	13	0	0	0	0	0	1	3	15	11	0	2	6	12	10	0	1	0	1	2	10	6	4	6
			7	83	1006·5	-6·2	50·9	1·9	11·0	87	7·9	0	2	5	15	8	0	0	0	0	0	0	2	4	23	1	2	5	13	10	0	1	1	1	1	9	7	5	5
Hebrides	Stornoway ..		13	83	1007·4	–	54·7	3·6	11·3	77	8·7	0	1	2	15	12	0	0	0	0	0	0	3	6	19	2	0	8	13	9	0	1	2	0	3	7	9	4	4
			18	83	1007·1	–	52·7	2·4	11·5	83	8·2	0	2	3	15	10	0	0	0	0	0	0	2	8	19	1	0	6	13	11	0	2	2	1	2	9	9	1	4
			1	79	1006·9	–	50·0	1·6	10·8	88	7·3	0	2	8	13	7	0	0	0	0	0	0	2	2	26	0	0	1	10	18	1	1	0	0	1	7	10	6	4
			7	79	1006·4	-6·7	50·2	1·5	10·9	89	7·8	0	0	7	20	3	0	0	0	0	0	0	3	2	25	0	0	2	13	14	1	1	0	0	3	6	8	7	4
Caithness	Wick		13	79	1007·2	-	55·5	3·6	11·3	77	8·0	0	0	2	24	4	0	0	0	0	0	0	1	3	26	0	0	4	10	16	0	2	0	0	2	10	6	6	4
			18	79	1007·3	–	54·0	2·6	11·8	83	8·0	0	1	5	19	5	0	0	0	0	0	0	0	5	25	0	0	3	5	22	0	2	0	2	3	2	8	7	6
			7	1180	966·9	–	47·0	1·5	9·7	88	8·4	0	1	4	11	14	0	0	0	0	0	2	2	16	10	0	0	5	5	17	3	5	1	0	0	9	10	2	0
			13	1180	967·8	–	53·1	3·4	10·6	77	8·7	0	0	4	12	14	0	0	0	0	0	0	3	8	19	0	0	3	10	16	1	3	2	1	0	4	11	6	2
Inverness	Dalwhinnie† ‖ ..		18	1180	967·4	–	50·2	2·2	10·3	84	8·8	0	2	2	8	18	0	0	0	0	0	0	2	15	13	0	0	1	9	18	2	2	3	0	0	3	14	4	2
			9	250	1008·6	–	52·9	2·3	11·6	84	5·0	0	6	19	5	0	0	0	0	0	0	0	2	1	0	27	0	0	11	19	0	0	0	2	7	3	13	4	1
Inverness	Inverness		17	250	1008·5	–	55·2	3·4	11·5	78	5·7	0	2	22	5	1	0	0	0	0	0	1	0	0	5	24	0	1	8	21	0	0	1	5	4	3	13	4	0
1 SCOTLAND, E.																																								
			7	85	1008·4	-5·9	50·8	2·2	10·7	84	6·5	0	7	4	18	1	0	0	0	0	1	3	6	11	9	0	0	0	7	20	3	2	0	0	2	6	8	2	7
			13	85	1008·7	-5·6	58·2	5·9	10·8	65	5·4	0	10	9	8	3	0	0	0	0	0	0	6	7	14	3	0	3	10	16	1	2	1	1	2	8	6	3	6
Aberdeen	Aberdeen H		18	85	1008·9	-5·5	55·3	3·8	11·3	77	6·2	0	8	6	13	3	0	0	0	0	0	5	8	8	9	0	0	0	3	26	1	2	1	1	2	9	6	3	5
			21	85	1009·1	-5·7	52·7	2·7	11·1	82	5·4	2	11	3	8	6	0	0	0	0	1	2	9	13	5	0	0	0	2	24	4	2	0	0	0	9	6	1	8
			h.*	85	1008·7	-5·8	53·7	3·6	11·0	77																														
Aberdeen	Braemar‡		9	1108	1009·4	–	50·2	3·2	9·5	77	7·4	1	2	7	12	8	0	0	0	0	0	0	4	23	3	0	0	1	7	20	2	2	4	0	1	1	11	5	4
			9	482	1008·9	–	53·0	3·3	10·7	78	6·6	1	6	6	8	9	–	–	–	–	–	–	–	–	–	–	0	0	8	22	0	2	1	2	0	3	9	12	1
Perth	Crieff		21	482	1009·0	–	56·7	1·8	11·1	87	7·2	1	6	4	1	18	–	–	–	–	–	–	–	–	–	–	0	0	4	26	0	3	0	3	0	4	7	12	1
			1	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			7	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife	Inchkeith		13	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			18	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			7	36	1009·2	–	49·2	1·6	10·4	88	6·6	0	7	6	12	5	0	1	0	0	1	0	6	6	11	5	0	0	7	18	5	1	0	1	0	3	11	6	3
			13	36	1009·7	–	59·0	5·9	11·2	65	7·0	0	3	11	10	6	0	0	0	0	0	1	2	11	9	7	0	0	14	15	1	2	0	4	3	1	6	11	2
Fife	Leuchars.. H.		18	36	1009·5	–	56·1	4·2	11·3	74	7·0	0	4	9	13	4	0	0	0	0	0	0	4	11	8	7	0	0	8	22	0	1	0	5	3	4	8	7	2
			9	441	1010·3	–	53·2	3·1	10·8	79	6·6	1	6	6	11	6	0	0	1	0	1	3	15	10	0	0	0	3	11	16	0	2	2	1	1	2	12	6	4
Mid Lothian	Edinburgh .. (Blackford Hill)		21	441	1010·1	–	52·2	2·8	10·7	81	6·7	2	5	4	7	12	0	0	0	1	0	6	18	3	2	0	0	4	6	12	8	1	1	1	1	6	4	7	1
6a SCOTLAND, W.																																								
			7	40	1008·2	–	53·6	2·9	11·5	81	7·7	0	5	1	17	7	0	0	0	0	0	2	3	10	6	9	0	3	15	12	0	5	2	1	1	5	7	7	2
			13	40	1009·0	–	56·4	4·2	11·2	74	7·4	0	3	8	13	6	0	0	0	0	0	0	3	7	16	4	0	4	17	9	0	6	1	1	1	2	11	4	4
Argyll	Tiree		18	40	1008·4	–	54·3	2·9	11·5	81	7·7	0	5	3	14	8	0	0	0	0	0	1	5	9	9	6	0	1	16	13	0	6	1	0	0	6	7	4	6
			9	187	1009·6	–	54·3	2·6	11·8	83	6·4	0	8	4	11	7	0	0	0	0	0	1	8	4	17	0	0	2	11	17	0	1	0	8	1	8	3	5	4
Bute	Rothesay		21	187	1009·5	–	52·0	1·8	11·6	87	7·0	0	6	8	5	11	0	0	0	0	0	0	0	22	8	0	3	1	11	14	1	3	0	2	0	7	7	3	7
			7	24	1009·8	–	49·2	1·1	10·9	92	7·5	0	4	6	8	12	1	1	1	1	3	3	5	2	8	5	0	1	8	14	7	0	3	2	0	2	11	4	1
Renfrew	Renfrew .. .. (Abbotsinch)		13	24	1010·2	–	58·2	4·8	11·7	71	7·3	0	3	7	10	10	0	0	0	0	0	5	7	1	10	7	0	1	11	17	1	1	0	4	0	2	11	7	4
			18	24	1009·7	–	55·7	3·1	12·3	81	7·9	0	3	2	16	9	0	0	0	0	2	1	5	6	13	3	0	0	5	22	3	0	2	3	0	5	7	8	2
			7	778	1010·7	–	47·8	1·3	10·2	90	7·4	0	4	4	11	11	0	0	0	1	2	1	8	7	11	0	0	3	5	16	6	4	3	1	0	5	8	3	0
			13	778	1010·5	–	55·8	4·4	11·1	73	7·5	0	3	5	16	6	0	0	0	0	0	2	5	4	19	0	0	5	10	14	1	3	3	1	0	3	14	3	2
Dumfries	Eskdalemuir‡‡ H		18	778	1010·4	–	52·5	2·4	11·3	84	7·7	0	3	5	13	9	0	0	0	0	0	1	7	5	17	0	0	2	8	19	1	3	1	1	1	6	9	5	3
			21	778	1010·9	–	49·1	1·5	10·6	89	6·4	1	6	5	9	9	0	0	0	0	1	1	6	8	14	0	0	1	8	18	3	8	1	0	0	7	8	3	0
			h.*	778	1010·6	–	50·7	2·1	10·7	85																														
6b ISLE OF MAN																																								
Isle of Man	Douglas .. H		9	286	1011·8	-4·4	55·2	2·4	12·5	83	6·2	0	3	10	17	0	0	0	0	0	0	2	9	7	12	0	0	8	10	10	2	3	1	1	5	0	8	6	4
			7	31	1010·7	–	54·0	1·6	12·7	89	6·8	0	7	3	14	6	0	0	0	0	0	0	2	5	23	0	0	3	15	10	2	2	3	1	0	6	4	9	3
Isle of Man	Point of Ayre ..		13	31	1011·4	–	60·4	4·3	13·3	75	6·7	0	6	5	13	6	0	0	0	0	0	0	0	6	24	0	0	2	12	16	0	2	2	0	2	4	3	10	7
			18	31	1010·7	–	57·8	2·8	13·6	83	6·9	0	7	3	15	5	0	0	0	0	0	0	0	4	26	0	0	2	15	12	1	5	0	3	0	3	8	7	3
2 ENGLAND, N.E.																																								
			9	331	1010·9	–	52·7	2·1	11·6	88	7·2	0	7	3	9	11	0	1	0	0	1	2	7	0	15	4	0	1	2	20	7	2	0	0	3	5	5	3	5
Northumberland	Cockle Park ..		21	331	1010·9	–	52·5	2·3	11·6	84	7·6	0	4	5	10	11	0	1	0	1	1	7	5	0	7	8	0	2	1	21	6	1	0	0	1	7	9	3	3
			1	122	1010·9	–	53·1	1·6	12·2	89	6·5	0	7	8	5	10	0	0	0	0	0	0	14	14	2	0	0	0	3	27	0	2	1	0	1	4	10	8	4
			7	122	1010·7	-4·7	51·8	1·5	11·8	89	6·8	0	6	5	13	6	0	0	0	2	2	2	15	7	2	0	0	0	5	25	0	2	0	0	2	2	11	10	3
Northumberland	Tynemouth ..		13	122	1010·9	–	58·9	3·9	13·1	77	7·2	0	1	12	12	5	0	0	0	0	0	0	9	13	8	0	0	0	1	9	20	0	3	1	1	5	2	4	12	2
			18	122	1010·8	–	57·5	3·2	13·0	80	7·0	0	1	13	10	6	0	0	0	0	1	2	11	9	7	0	0	0	8	22	0	4	3	1	3	3	10	6	0

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 968·5 mb.
‡‡ Mean pressures at Station Level are 982·2 mb. at 7 h., 982·5 mb. at 13 h., 982·1 mb. at 18 h., and 982·4 mb. at 21 h.
‖ Observations taken at 17h instead of 18h G.M.T. on Sundays during Summer Time.

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, 1937

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								
												NO. OF OBSERVATIONS*					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION				
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY										
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																									
2 ENGLAND, N.E.—*cont.*																																			
Durham	Durham		9	352	1011·4	-	54·9	2·7	12·2	82	6·3	2	7	5	7	9	0	0	1	1	6	7	3	5	7	0	0	1	4	20	5	5	0	0	0	7	8	4	1
			21	352	1011·5	-	52·4	1·9	11·5	87	6·3	6	3	2	6	13	0	0	0	0	2	6	9	10	3	0	0	0	1	22	7	1	1	0	0	5	10	2	4
Yorks., N. Riding	Catterick ..	H	7	186	1011·5	-	49·9	1·9	10·7	87	7·4	0	6	2	14	8	0	3	0	0	4	2	1	11	8	1	0	0	1	24	5	1	0	0	4	11	1	2	6
			13	186	1011·5	-	59·9	6·5	11·2	64	8·2	0	1	6	15	8	0	0	0	0	0	2	6	7	12	3	0	0	12	15	3	3	4	0	0	5	8	5	2
			18	186	1011·2	-	57·3	4·7	11·6	72	6·7	0	6	4	15	5	0	0	0	0	1	3	6	6	11	3	0	0	5	19	6	5	1	0	0	5	9	1	3
Yorks., N. Riding	Scarborough ..		9	96	1011·8	-	58·2	3·8	12·7	78	4·7	0	16	6	8	0	0	0	0	0	0	0	17	9	4	0	0	1	7	22	0	2	0	0	2	5	9	2	10
			9	53	1013·0	-	55·6	3·6	11·6	77	6·3	3	5	6	7	9	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	7	0	1	0	14	0	5	3
	York		21	53	1012·8	-	54·9	3·1	11·8	80	4·1	10	8	1	2	9	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	4	1	1	0	15	1	5	3
			1	28	1011·9	-	54·6	0·4	14·0	97	6·1	7	3	2	11	7	0	0	1	0	0	0	6	20	3	0	0	2	12	16	0	2	1	0	1	6	10	4	6
Yorks., E. Riding	Spurn Head ..		7	28	1012·1	-3·8	54·2	0·7	13·5	95	7·8	0	2	4	16	8	0	1	0	2	0	2	7	16	2	0	0	3	16	10	1	1	1	0	3	6	7	4	7
			13	28	1012·2	-	62·7	3·2	16·0	82	7·0	0	4	6	17	3	0	0	0	0	0	0	8	19	3	0	0	4	16	9	1	4	1	2	6	1	6	5	4
			18	28	1011·9	-	58·7	1·4	15·6	91	7·8	0	0	5	20	5	0	0	0	0	0	1	9	17	3	0	0	3	8	16	3	5	1	1	6	3	5	3	3
			7	208	1013·1	-	50·5	1·1	11·7	93	8·1	0	3	2	15	10	0	4	1	1	3	3	9	6	3	0	0	0	4	26	0	1	1	1	5	4	8	5	5
Lincoln	†Cranwell ..	H	13	208	1012·9	-	62·4	6·9	12·1	63	7·8	0	3	3	20	4	0	0	0	0	0	0	3	12	13	2	0	0	16	14	0	4	0	1	6	3	10	3	3
			18	208	1012·5	-	58·5	4·6	12·3	74	7·4	1	2	6	17	4	0	0	0	0	0	1	7	10	8	4	0	0	3	27	0	5	1	4	3	8	4	5	0
3 ENGLAND, E.																																			
Norfolk	Cromer ..	H	9	74	1014·2	-	57·8	3·3	13·1	80	6·6	1	1	17	6	5	0	0	0	1	0	0	29	0	0	0	0	1	5	24	0	7	0	0	3	10	4	3	3
			1	26	1012·9	-	55·5	1·7	13·3	89	5·5	8	4	3	9	6	0	0	0	0	0	1	8	20	1	0	0	0	4	24	2	2	1	2	1	4	11	3	4
Norfolk	Yarmouth.. ..		7	26	1012·8	-3·6	54·8	2·0	12·8	87	7·1	1	3	4	16	6	0	0	0	0	0	3	19	8	0	0	0	0	10	19	1	2	1	0	4	6	7	4	5
			13	26	1013·1	-	62·4	6·0	12·6	67	6·8	0	2	12	14	2	0	0	0	0	0	2	14	14	0	0	0	1	14	15	0	5	1	0	8	5	4	2	5
			18	26	1012·7	-	61·9	5·6	13·1	69	7·3	0	2	8	17	3	0	0	0	0	0	3	21	6	0	0	0	1	5	22	2	1	2	0	6	9	3	1	6
			7	20	1013·5	-	54·8	1·7	13·0	89	6·1	2	5	8	10	5	0	0	1	0	2	4	9	10	4	0	0	0	4	21	5	1	0	2	2	4	5	4	7
Suffolk	Felixstowe Aero.		13	20	1013·5	-	63·5	6·8	12·6	63	6·9	0	5	7	14	4	0	0	0	0	0	1	6	6	14	3	0	2	9	19	0	3	1	2	6	8	3	3	4
			18	20	1013·1	-	60·3	4·4	13·4	74	6·8	0	5	7	14	4	0	0	0	0	1	1	9	8	10	1	0	0	8	20	2	2	1	2	5	8	3	4	3
			7	21	1013·2	-	51·4	1·0	12·2	93	6·5	1	7	3	15	4	0	1	0	4	3	3	7	8	4	0	0	0	7	23	0	1	1	0	6	6	8	2	6
Suffolk	Mildenhall ..		13	21	1013·0	-	63·3	6·9	12·6	65	6·8	0	6	5	15	4	0	0	0	0	0	0	7	6	14	3	0	0	17	13	0	4	2	1	4	3	9	3	4
			18	21	1012·7	-	58·8	3·9	13·1	78	7·2	0	5	4	14	7	0	0	0	0	0	1	13	3	12	1	0	0	8	21	1	5	0	1	6	1	11	3	2
			9	43	1013·6	-3·7	58·9	3·9	13·1	77	5·4	0	9	9	9	3	-	-	-	-	-	-	-	-	-	-	0	0	0	28	2	3	2	0	1	4	6	6	6
Cambridge	Cambridge	H	21	43	1013·9	-3·3	53·7	1·8	12·5	88	4·1	13	5	1	3	8	-	-	-	-	-	-	-	-	-	-	0	0	1	27	2	1	5	0	3	6	5	2	6
Hertford	Rothamsted ..		9	396	1013·4	-	56·2	2·9	12·5	81	6·5	0	6	7	12	5	0	1	0	0	0	11	18	0	0	0	0	0	1	27	2	2	0	3	3	6	5	1	8
			7	12	1013·7	-	54·2	1·4	13·2	91	6·4	2	7	2	13	6	0	1	0	1	4	10	4	4	6	0	0	0	1	25	4	3	0	0	1	4	6	5	7
Essex	Shoeburyness	H	13	12	1013·7	-	64·7	6·7	13·7	66	6·7	0	6	5	16	3	0	0	0	0	0	0	9	2	19	0	0	0	4	26	0	2	2	3	2	5	8	1	7
			18	12	1013·4	-	59·5	3·5	14·0	80	6·7	0	4	10	12	4	0	0	0	0	0	1	11	0	18	0	0	0	5	23	2	3	1	1	4	4	7	2	6
4 MIDLAND COUNTIES																																			
Yorks., W. Riding	Harrogate.. ..		9	478	1012·4	-	55·2	3·6	11·3	74	7·1	2	3	5	14	6	0	2	1	2	3	3	7	6	3	3	0	1	7	22	0	4	0	1	2	6	11	4	2
Nottingham	Nottingham ..		9	215	1012·6	-	55·7	3·5	11·9	79	6·8	1	6	4	10	9	0	2	1	1	3	4	17	2	0	0	0	0	5	25	0	4	1	3	0	4	4	12	2
			7	542	1013·4	-	50·9	1·4	11·5	90	7·1	2	4	3	12	9	0	0	1	3	7	5	7	4	3	0	0	0	3	26	1	3	1	1	3	6	7	3	5
Warwick	Birmingham	H	13	542	1013·0	-	60·7	6·7	11·4	64	6·8	1	2	10	13	4	0	0	0	0	2	1	10	5	12	0	0	0	2	27	1	4	1	0	2	5	9	5	3
			18	542	1012·8	-	58·9	5·7	11·5	68	6·4	1	6	6	12	5	0	0	0	1	2	3	14	1	9	0	0	0	0	30	0	4	1	0	2	5	10	4	4
Oxford	Oxford		9	212	1014·3	-3·5	57·0	4·0	11·9	76	5·0	2	11	4	8	5	0	0	0	0	4	1	10	5	10	0	0	0	6	21	3	5	1	0	3	4	8	3	3
Shropshire	Shrewsbury	H	9	186	1013·0	-	56·5	3·0	13·0	81	6·4	1	5	9	6	9	0	0	0	0	0	1	5	1	23	0	0	0	13	11	6	1	0	0	3	5	4	8	3
			7	226	1013·3	-	51·7	1·4	12·0	90	6·3	0	10	3	10	7	0	2	1	0	4	0	6	9	8	0	0	0	1	26	3	3	1	1	2	5	10	4	1
Hereford	Ross-on-Wye	H	13	226	1012·9	-	62·4	6·7	12·3	64	6·7	0	6	6	15	3	0	0	0	0	0	0	2	12	15	1	0	0	7	23	0	5	0	0	1	5	12	5	2
			18	226	1012·7	-	58·6	4·3	12·7	75	5·9	0	7	10	10	3	0	0	0	0	0	1	10	5	13	1	0	0	4	26	0	4	1	0	3	5	11	5	1
			21	226	1013·3	-	54·4	2·1	12·6	86	4·5	5	13	0	4	8	0	0	0	0	1	4	12	6	7	0	0	0	4	25	1	4	1	1	2	3	12	6	0
			9	230	1014·3	-	58·3	4·0	12·6	76	6·1	0	9	5	12	4	0	0	0	0	0	5	4	16	5	0	0	0	0	25	5	1	0	0	0	3	8	10	3
Gloucester	Cheltenham	H	21	230	1013·7	-	55·4	2·3	12·8	86	5·7	4	5	8	4	9	0	0	0	0	0	3	6	17	4	0	0	0	0	24	6	0	0	0	0	0	8	11	5
5 ENGLAND, S.E.																																			
			9	152	1014·3	-3·5	58·4	3·6	13·2	79	6·4	2	5	5	13	5	0	0	0	2	4	5	14	4	1	0	0	0	5	24	1	5	1	0	3	4	7	5	4
London	*g* Greenwich	H	15	152	1013·2	-3·6	64·7	7·0	13·4	65	7·1	0	4	7	12	7	0	0	0	0	1	3	9	13	4	0	0	0	10	19	1	5	0	1	1	5	11	3	3
			21	152	1014·0	-3·6	55·5	2·4	12·9	85	4·0	10	7	2	5	6	0	0	0	0	1	3	19	1	6	0	0	0	3	27	0	5	0	1	2	8	10	1	3
			h.*	152	1013·7	-3·7	57·3																														
			7	34	1013·9	-3·7	52·5	1·4	12·4	91	7·1	1	5	4	11	9	0	4	1	1	0	7	11	3	3	0	0	0	1	27	2	3	2	2	2	2	11	2	4
			13	34	1013·7	-3·5	63·4	6·9	12·6	63	7·4	0	3	6	17	4	0	0	0	0	0	2	5	9	14	0	0	0	2	28	0	7	1	1	1	5	11	2	2
London	Kew Obs'y.	H	18	34	1013·3	-3·6	60·6	5·0	13·1	73	6·7	0	7	7	9	7	0	0	0	0	1	6	11	3	9	0	0	0	3	25	2	5	0	1	2	4	12	1	3
			21	34	1014·0	-3·6	55·9	2·4	13·1	85	4·6	6	9	2	7	6	0	0	0	1	0	4	12	4	9	0	0	0	0	29	1	4	0	2	2	4	11	3	3
			h.*	34	1013·8	-3·6	57·1	3·4	12·9	81																												
			9	66	1014·1	-	57·4	3·0	13·1	81	6·2	1	3	12	11	3	0	0	2	1	3	8	16	0	0	0	0	0	1	29	0	3	1	0	2	4	9	3	8
London	Kensington ..		15	—	-	-	64·1	7·2	12·6	62	6·8	0	5	9	8	8	-	-	-	-	-	-	-	-	-	-	0	0	3	27	0	5	1	0	1	4	9	4	6
			18	—	-	-	61·5	5·5	12·9	69	6·4	0	5	11	6	8	-	-	-	-	-	-	-	-	-	-	0	0	1	29	0	5	0	0	3	6	8	5	3
			1	225	1014·1	-	52·8	1·5	12·4	89	5·0	9	4	4	6	7	0	0	1	0	0	4	13	6	6	0	0	0	3	24	3	1	1	0	2	8	9	2	4
Surrey	Croydon ..	H	7	225	1014·0	-	51·8	1·2	12·1	91	6·8	0	6	3	18	3	0	0	0	1	4	5	9	7	4	0	0	0	4	23	3	2	1	0	4	6	5	5	4
			13	225	1013·8	-	63·9	7·7	12·3	60	7·3	0	4	5	16	5	0	0	0	0	0	1	9	4	16	0	0	0	7	22	1	3	2	1	2	2	9	6	4
			18	225	1013·5	-	60·0	5·1	12·7	72	6·7	0	7	3	14	6	0	0	0	1	2	1	13	4	9	0	0	0	6	23	1	4	0	1	2	5	11	3	3
Surrey	Wisley		9	85	1013·8	-	57·2	2·9	13·1	82	6·5	2	5	6	12	5	0	1	0	1	1	4	13	10	0	0	0	0	0	24	6	4	2	0	1	3	9	2	3

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	GOOD VISIBILITY														
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5 ENGLAND, S.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Kent	Biggin Hill	H	7	572	1014·0	–	52·7	1·4	12·3	91	7·2	0	6	4	11	9	0	0	3	1	1	4	11	6	3	*1*	0	0	5	23	2	3	1	0	4	7	5	4	4
			13	572	1013·7	–	62·0	6·6	12·2	65	6·7	0	5	9	11	5	0	0	0	0	1	0	6	12	*11*	*0*	0	0	9	20	1	3	2	0	2	4	10	4	4
			18	572	1013·6	–	57·1	3·7	12·5	78	6·4	0	9	3	12	6	0	0	0	0	1	3	6	11	8	*1*	0	0	7	22	1	4	0	2	1	9	8	2	3
Kent	Dungeness	..	7	—	–	–	53·4	0·2	13·7	98	5·8	4	4	9	10	3	*0*	0	0	0	1	4	14	*11*	*0*	0	0	3	3	18	6	4	0	2	3	2	5	4	4
			13	—	–	–	64·5	4·7	15·4	75	6·2	0	6	9	13	2	*0*	0	0	0	0	0	9	*21*	*0*	0	0	3	5	22	0	2	4	0	3	4	9	5	3
			18	—	–	–	60·5	2·4	15·4	84	6·4	0	3	14	10	3	*0*	0	0	0	0	2	8	*20*	*0*	0	0	3	3	24	0	4	1	2	2	2	13	2	4
Kent	Lympne ..	H	1	345	1014·5	–	54·0	1·7	12·8	89	4·6	8	8	2	4	8	0	0	0	*0*	1	4	6	12	7	0	0	0	3	27	0	4	0	3	3	2	9	2	7
			7	345	1014·1	–	53·7	1·4	12·9	90	6·7	1	5	4	14	6	0	0	1	*1*	0	1	9	11	6	1	0	0	5	24	1	2	1	4	3	2	7	4	6
			13	345	1014·2	–	63·2	7·0	12·5	63	6·4	0	5	8	14	3	0	0	0	*0*	0	0	6	6	12	6	0	0	7	23	0	3	2	0	5	4	7	3	6
			18	345	1014·0	–	58·1	3·5	13·2	79	6·9	0	4	6	15	5	0	0	0	*0*	0	3	*11*	5	8	3	0	0	2	28	0	4	1	4	1	5	10	2	3
Kent	Manston ..	..	1	141	1013·8	–	54·7	2·0	12·8	86	4·3	8	7	4	7	4	0	0	0	0	2	5	4	*8*	*11*	*0*	0	0	8	20	2	4	1	1	5	2	10	3	2
			7	141	1013·5	–	54·7	1·7	13·1	88	6·1	2	7	6	9	6	0	0	0	0	5	4	9	5	7	*0*	0	0	8	20	2	4	0	0	2	7	8	2	5
			13	141	1013·6	–	64·2	7·4	12·7	62	6·5	0	3	10	13	4	0	0	0	0	0	1	6	*8*	*15*	*0*	0	1	12	17	0	6	1	0	4	5	8	2	4
			18	141	1013·2	–	59·3	4·1	13·2	76	6·9	0	4	8	14	4	0	0	0	0	0	3	8	5	*14*	*0*	0	1	9	20	0	4	2	1	6	5	6	2	4
Kent	Tunbridge Wells ..		9	407	1015·1	–	57·1	1·6	14·3	90	6·4	1	5	8	11	5	0	0	*0*	0	0	5	10	11	4	*0*	0	1	4	25	0	4	2	0	3	3	8	3	7
Sussex	Brighton ..	H	9	48	1015·5	–	59·6	3·8	13·7	77	5·7	4	7	3	10	6	0	0	0	0	1	3	10	5	9	*2*	0	0	3	27	0	6	3	0	3	5	5	5	3
Sussex	Hastings ..	H	9	154	1014·5	–	59·8	3·3	14·3	80	5·4	3	8	4	14	1	0	0	0	0	1	4	5	7	*13*	*0*	0	0	4	26	0	4	1	1	4	4	6	3	7
			21	154	1014·4	–	57·2	2·5	13·7	85	4·4	10	6	2	6	6	0	0	0	1	0	2	9	7	*11*	*0*	0	0	1	28	1	6	3	2	2	1	5	7	3
Hampshire	Calshot ..	..	7	15	1014·2	–	54·5	1·2	13·3	94	6·5	1	5	8	11	5	0	1	2	0	0	4	11	6	6	*0*	0	0	6	22	2	2	1	2	3	2	5	6	7
			13	15	1014·4	–	63·5	5·4	14·3	71	6·9	0	4	8	11	7	0	0	0	0	0	0	6	11	13	*0*	0	0	15	15	0	4	1	3	2	7	7	1	5
			18	15	1013·8	–	60·5	3·9	13·9	78	7·2	0	4	5	16	5	0	0	0	1	0	1	7	12	9	*0*	0	0	7	23	0	3	2	1	3	2	11	6	2
Hampshire	Southampton ..		9	84	1014·8	-3·1	58·1	3·3	13·2	80	6·1	2	4	9	9	6	0	1	0	0	2	4	12	11	0	*0*	0	0	4	22	4	3	6	1	4	1	4	3	4
			21	84	1014·7	-3·0	56·9	2·6	13·2	83	4·0	12	3	6	3	6	0	0	0	0	2	8	15	5	0	*0*	0	0	2	26	2	3	2	1	3	0	11	3	5
Hampshire	S. Farnborough†	H	7	231	1014·0	–	49·6	0·7	11·8	95	7·0	0	7	3	14	6	0	3	1	2	1	4	9	7	3	*0*	0	0	0	24	6	3	0	1	5	2	4	6	3
			13	231	1013·7	–	63·3	6·7	12·9	65	7·3	0	3	6	16	5	0	0	0	0	0	1	5	*14*	*10*	*0*	0	0	9	21	0	5	1	1	2	5	8	5	3
			18	231	1013·3	–	59·2	4·1	13·1	77	6·6	0	6	7	12	5	0	0	0	1	0	1	10	10	*8*	*0*	0	0	3	23	4	4	0	1	4	5	8	2	2
I. of Wight	Ventnor (Hosp.)		9	80	1014·3	–	60·6	3·6	14·3	79	5·9	2	4	10	9	5	–	–	–	–	–	–	–	–	–	–	0	1	6	23	0	6	1	2	2	2	9	6	2
			15	80	1013·6	–	63·1	5·1	14·3	72	5·7	1	8	9	5	7	–	–	–	–	–	–	–	–	–	–	0	3	5	22	0	2	0	2	3	0	9	9	5
Wiltshire	Amesbury (Boscombe Down)	H	7	420	1014·0	–	50·1	0·6	12·0	95	6·6	1	7	3	12	7	0	1	1	2	1	2	11	9	3	*0*	0	0	1	22	7	4	1	3	3	5	2	2	3
			13	420	1013·7	–	61·6	6·1	12·5	67	7·6	0	3	2	17	8	0	0	0	0	0	0	2	20	8	*0*	0	0	9	21	0	3	2	0	2	7	10	3	3
			18	420	1013·4	–	58·6	4·2	12·6	75	6·9	1	3	8	11	7	0	1	0	0	0	2	3	19	6	*0*	0	0	4	26	0	3	1	2	2	6	8	5	3
Wiltshire	Larkhill ..	H	9	444	1014·5	–	56·7	3·0	12·9	82	6·7	1	5	8	8	8	0	1	1	0	0	1	5	10	12	*0*	0	0	7	22	1	4	3	1	5	4	7	3	2
			13	444	1013·9	–	62·4	7·0	12·0	63	7·1	0	4	8	13	5	0	0	0	0	0	0	2	8	20	*0*	0	0	11	19	0	3	1	1	2	5	11	5	2
			15	444	1013·5	–	62·3	7·1	11·9	62	7·0	0	3	9	13	5	0	0	0	0	0	0	0	13	17	*0*	0	1	10	19	0	3	1	1	2	4	9	7	3
7a ENGLAND, N.W.																																						
Lancashire	Hutton ..	..	9	86	1011·8	–	56·9	2·9	12·9	82	6·5	0	6	6	17	1	–	–	–	–	–	–	–	–	–	–	0	0	0	15	15	0	2	0	3	0	5	1	4
Lancashire	Manchester (Barton)	H	7	83	1012·5	–	50·0	1·3	11·4	91	7·5	0	5	4	12	9	2	2	1	1	5	5	11	3	0	0	0	0	3	21	6	2	1	3	4	7	2	4	1
			13	83	1012·4	–	61·3	6·1	12·2	66	7·4	1	2	4	19	4	0	0	0	0	1	3	7	9	10	0	0	0	8	22	0	3	3	1	1	4	4	11	3
			18	83	1012·0	–	58·7	4·5	12·5	74	7·0	0	5	5	15	5	0	0	0	1	4	3	9	4	9	0	0	0	4	24	2	3	3	1	2	4	7	5	3
Lancashire	Manchester (Whitworth Pk.)		9	127	1012·6	–	54·9	2·8	12·0	82	5·9	5	3	7	7	8	–	–	–	–	–	–	–	–	–	–	0	0	1	26	3	2	1	2	3	10	4	2	3
			21	127	1012·3	–	55·9	3·2	12·2	80	6·1	3	6	4	8	9	–	–	–	–	–	–	–	–	–	–	0	0	1	28	1	3	2	2	0	11	5	1	5
Lancashire	Southport* (Bedford Rd. Park)	H	9	37	1012·5	-4·4	57·6	4·1	12·3	75	6·2	0	10	4	6	10	0	0	0	0	0	10	1	3	16	*0*	0	0	14	15	1	1	3	2	5	4	5	6	3
			15	37	1012·0	–	61·6	6·4	12·4	67	6·7	0	8	2	14	6	0	0	0	0	1	3	5	3	14	4	0	1	15	14	0	3	0	2	1	4	4	11	5
			21	37	1012·1	-4·7	54·7	2·4	12·4	85	5·3	4	10	2	6	8	0	0	0	0	1	9	2	5	13	*0*	0	1	7	20	2	4	1	2	4	4	7	4	2
Lancashire	Stonyhurst ..		9	381	1012·8	–	54·7	3·0	11·8	81	6·8	2	5	5	5	13	0	0	0	1	0	0	18	2	9	*0*	0	0	9	21	0	4	4	0	0	4	9	6	3
			21	381	1012·6	–	53·4	2·3	11·8	84	6·6	5	4	1	7	13	0	0	1	0	0	3	9	17	0	*0*	0	0	2	23	5	1	2	0	0	3	9	7	3
Cheshire	Bidston Obs'y. ..		9	202	1012·8	–	56·5	4·0	11·7	75	7·0	0	3	9	9	9	*0*	0	0	1	4	5	6	5	9	0	0	0	16	13	1	3	1	1	4	2	7	8	3
7b NORTH WALES.																																						
Flint	Sealand ..	H	7	19	1012·2	–	51·7	1·9	11·5	87	7·0	0	4	6	16	4	0	0	0	2	6	3	12	5	*2*	*0*	0	0	1	27	2	1	1	1	9	6	2	5	3
			13	19	1012·3	–	62·0	7·0	11·8	63	7·5	1	1	7	16	5	0	0	0	0	0	1	10	7	*12*	*0*	0	0	8	19	3	1	1	0	3	4	6	8	4
			18	19	1011·9	–	59·1	4·9	12·3	72	6·3	1	5	10	9	5	0	0	0	0	0	4	10	5	*11*	*0*	0	0	6	22	2	0	1	2	2	6	5	5	7
Anglesey	Holyhead ..	H	1	29	1011·8	–	56·0	2·3	13·2	86	6·5	0	8	5	6	11	0	0	0	0	0	1	3	5	21	0	0	0	18	12	0	5	1	1	1	7	6	5	4
			7	29	1011·5	-4·5	55·7	2·5	12·8	84	7·0	0	4	9	9	8	0	0	0	0	0	0	5	6	15	4	0	2	17	11	0	4	2	1	3	4	9	3	4
			13	29	1012·0	–	59·5	4·2	13·2	76	7·2	0	4	5	16	5	0	0	0	0	0	0	2	4	21	3	0	2	20	8	0	5	1	1	1	5	11	2	4
			18	29	1011·5	–	57·3	2·9	13·2	82	7·2	0	5	5	12	8	0	0	0	1	0	0	2	8	14	5	0	1	19	9	1	5	2	1	2	3	11	2	3
Carnarvon	Llandudno ..		9	33	1012·5	–	57·6	3·7	12·5	77	7·2	0	5	2	21	2	0	0	0	0	0	1	1	0	*23*	5	0	0	3	27	0	3	0	2	2	7	11	4	1
8a SOUTH WALES.																																						
Cardigan	Ciliau Aeron ..		9	256																																		
Pembroke	St. Ann's Head ..		1	152	1013·3	–	56·6	1·9	13·8	88	6·7	0	4	9	14	3	0	0	0	0	0	*0*	3	16	11	*0*	0	1	12	16	1	6	3	2	2	2	5	5	4
			7	152	1013·1	-3·3	56·0	1·9	13·4	88	7·1	0	3	8	16	3	0	0	0	0	0	*0*	3	13	14	*0*	0	1	14	15	0	4	4	1	2	3	7	5	4
			13	152	1013·5	–	60·9	4·3	13·7	75	7·0	0	3	10	13	4	0	0	0	0	1	*1*	3	8	16	*1*	0	0	17	13	0	5	0	0	4	3	8	5	5
			18	152	1013·0	–	58·0	2·6	13·9	84	7·7	0	3	3	21	3	0	0	0	0	0	*0*	4	10	14	*2*	0	1	11	18	0	4	3	2	1	2	9	5	4

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside.

† New site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	TEMPERATURE AND HUMIDITY: Vapour Pressure	TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations: Fog: 0	1	2	3	Mist: 4	Poor Vis.: 5	Mod. Vis.: 6	Good Visibility: 7	8	9	WIND, NUMBER OF OBSERVATIONS: Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Radnor Llandrindod Wells	9	725	1013·4	–	54·2	2·6	11·9	83	6·8	0	3	12	7	8	0	1	0	0	0	0	7	8	*14*	*0*	0	0	4	26	0	2	6	1	2	6	7	3	3
Rhayader	9	—	–	–	53·7	2·9	11·4	80	7·3	0	2	9	10	9	0	1	1	0	0	2	6	4	*16*	*0*	0	0	1	29	0	1	3	2	6	1	10	5	2
Glamorgan Cardiff	9	203	1014·0	–	58·5	4·4	12·3	74	5·7	2	6	9	6	7	0	0	0	0	0	4	10	*11*	*5*	*0*	0	0	3	27	0	1	4	3	0	2	7	10	3
	21	203	1013·9	–	54·8	1·9	12·8	87	4·8	10	2	4	4	9	0	0	0	0	0	1	19	*1*	*9*	*0*	0	0	2	28	0	2	4	2	2	0	7	12	1
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1013·9	–	58·1	3·7	12·8	78	5·6	1	11	3	9	6	0	0	0	0	2	5	*8*	*8*	*7*	*0*	0	0	5	24	1	1	5	2	3	2	8	6	2
Dorset Holton Heath H	9	58	1014·4	–	58·3	2·7	14·2	85	6·7	3	5	5	4	13	0	1	0	0	2	1	8	8	*8*	*2*	0	0	8	17	5	1	7	1	1	0	6	4	5
	15	58	1013·7	–	62·8	5·2	14·5	74	6·4	0	6	11	2	11	0	0	1	0	0	0	5	17	*7*	*0*	0	1	9	20	0	1	7	1	1	2	4	11	3
	1	37	1013·4	–	57·9	1·8	14·5	88	6·6	5	3	2	8	12	0	0	0	*1*	0	0	*1*	*14*	*14*	*0*	0	0	12	18	0	3	5	1	2	2	7	6	4
Dorset Portland Bill ..	7	37	1013·3	-3·4	57·8	2·0	14·3	87	7·0	2	2	5	14	7	0	0	0	*0*	0	0	*1*	*17*	*12*	*0*	0	0	15	15	0	5	4	2	2	3	3	8	3
	13	37	1014·1	–	61·4	3·0	15·4	82	7·1	1	4	5	11	9	0	0	0	*0*	0	0	*2*	*13*	*15*	*0*	0	1	12	17	0	4	2	1	4	2	8	7	2
	18	37	1013·1	–	60·0	2·2	15·3	86	7·3	1	4	4	9	12	0	0	0	*0*	0	0	*3*	*14*	*13*	*0*	0	1	11	18	0	4	1	3	3	1	5	10	3
Devon Moretonhampstead	9	801	1014·2	–	56·2	2·9	12·7	82	6·7	0	6	7	10	7	0	0	0	0	2	0	3	4	*18*	*3*	0	0	2	26	2	4	1	0	5	3	5	4	6
	15	801	1013·3	–	60·4	5·8	12·1	68	6·4	1	5	9	8	7	0	0	2	0	0	0	2	1	*22*	*3*	0	0	4	24	2	3	0	1	5	4	5	4	6
Devon Plymouth (Mount Batten) H ..	7	27	1013·9	–	53·5	1·0	13·2	93	6·7	0	9	2	16	3	0	0	0	0	0	3	6	7	*14*	*0*	0	0	3	22	5	4	3	5	0	2	3	3	5
	13	27	1014·1	–	62·2	4·7	14·3	75	6·9	1	4	5	16	4	0	0	0	0	0	0	4	2	*22*	*2*	0	0	6	24	0	4	0	0	4	9	6	2	5
	18	27	1013·5	–	60·7	4·1	14·3	80	6·6	1	7	3	12	7	0	0	0	0	0	3	3	5	*18*	*1*	0	0	7	21	2	5	0	2	2	4	7	2	6
Cornwall The Lizard	1	240	1011·1	–	55·7	1·6	13·6	90	5·7	3	8	4	7	8	0	2	0	0	1	1	2	6	*18*	*0*	0	1	10	17	2	6	1	5	0	2	4	7	3
	7	240	1014·0	–	55·7	1·5	13·7	90	7·1	1	4	5	13	7	0	1	1	0	1	1	0	4	*22*	*0*	0	0	11	18	1	7	1	3	2	3	5	6	2
	13	240	1013·6	–	62·1	4·3	14·4	76	7·2	0	2	10	10	8	0	0	1	1	0	1	2	3	*22*	*0*	1	1	10	18	0	4	0	4	2	2	7	8	3
	18	240	1013·9	–	58·5	2·6	14·1	84	6·8	0	4	10	8	8	0	0	0	0	1	1	2	4	*22*	*0*	0	0	12	16	2	4	0	4	2	2	6	5	5
Cornwall Newquay ..	9	185	1013·7	–	59·5	3·0	14·3	82	6·9	2	2	7	8	11	0	0	0	0	0	0	5	5	*17*	*3*	0	1	13	16	0	4	4	0	5	4	5	3	5
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1010·8	–	53·4	1·6	12·4	89	6·7	0	3	11	10	6	0	*0*	0	0	0	*0*	*5*	9	16	*0*	0	0	1	26	3	5	0	1	2	8	3	4	4
	21	127	1010·8	–	53·7	2·0	12·2	87	8·2	0	2	4	12	12	0	*0*	0	0	0	*0*	*5*	9	16	*0*	0	0	1	19	10	3	0	0	2	4	3	6	2
	1	28	1010·5	–	54·3	2·2	12·3	85	7·2	0	6	5	7	12	0	0	1	0	0	0	2	10	17	*0*	1	1	12	12	4	4	0	0	0	6	2	11	3
Mayo Blacksod Point ..	7	28	1011·5	–	53·9	2·6	11·7	83	7·6	0	1	10	9	10	0	0	0	0	0	3	0	5	22	*0*	0	3	9	18	0	4	2	1	1	4	4	8	6
	13	28	1010·8	–	57·2	3·5	12·5	78	7·6	0	1	10	7	12	0	0	0	0	0	1	1	7	20	*1*	2	5	13	10	0	4	2	0	1	4	6	9	4
	18	28	1010·7	–	55·7	3·2	12·0	79	8·0	0	1	7	11	11	0	0	0	0	0	1	3	3	23	*0*	1	6	11	12	0	5	0	0	0	5	5	11	4
Donegal Malin Head ..	1	87	1008·0	–	54·3	0·6	13·8	96	8·5	0	0	3	15	12	0	0	0	0	0	0	7	23	0	*0*	0	4	13	13	0	7	0	0	0	14	4	5	0
	7	87	1008·8	-5·0	53·8	0·9	13·3	94	8·3	0	0	4	24	2	0	0	0	0	0	0	4	17	9	*0*	0	2	13	15	0	6	0	0	1	11	4	6	2
	13	87	1009·6	–	57·1	1·3	14·6	92	8·1	0	0	5	20	5	0	0	0	0	0	0	3	14	12	*1*	0	2	13	15	0	7	0	3	0	4	7	5	4
	18	87	1009·1	–	55·7	0·9	14·2	93	8·4	0	0	3	21	6	0	0	0	0	0	0	2	15	12	*1*	0	0	15	14	1	9	2	0	0	3	7	4	4
Antrim Aldergrove H	7	245	1010·4	–	50·3	1·2	11·6	92	7·7	0	5	3	13	9	0	0	0	0	0	0	2	6	8	13	1	0	0	7	21	2	4	1	1	2	11	8	1	0
	13	245	1010·7	–	58·0	4·3	12·3	74	8·0	0	1	4	16	9	0	0	0	0	0	0	6	1	17	6	0	1	9	20	0	2	0	2	2	7	8	3	6
	18	245	1010·4	–	55·7	3·1	12·2	80	7·9	0	3	5	13	9	0	0	0	0	0	0	5	5	14	6	0	0	5	24	1	3	2	0	1	9	5	5	4
Armagh Armagh .. H	9	209	1011·3	-4·3	54·2	2·2	12·4	85	6·7	2	4	4	13	7	*0*	*0*	0	0	0	0	*4*	*8*	18	*0*	0	0	3	27	0	6	0	2	2	5	10	3	2
	21	209	1011·2	-4·5	52·8	1·8	12·1	88	7·5	2	4	2	5	17	*0*	*0*	0	0	1	2	*6*	*13*	8	*0*	0	0	4	21	5	3	0	0	0	8	6	4	4
10 IRELAND, S.																																					
Dublin Glasnevin	9	56	1011·7	–	56·0	2·8	12·6	82	5·6	4	0	17	3	6	0	0	*2*	*1*	*1*	*6*	*3*	*1*	*16*	*0*	0	0	0	28	2	0	0	2	2	0	5	14	5
	21	56	1011·8	–	53·9	2·4	11·9	84	5·5	5	0	14	5	6	0	0	*0*	*0*	*2*	*6*	*3*	*1*	*18*	*0*	0	0	0	30	0	0	0	2	1	0	9	12	6
Offlay Birr Castle ..	7	193	1011·6	-4·5	49·3	0·5	11·5	96	7·4	2	4	2	14	8	0	*0*	0	1	0	*0*	*0*	*8*	*21*	*0*	0	0	0	29	1	2	0	0	2	14	7	1	3
	13	193	1011·6	–	59·5	3·9	13·3	77	8·7	0	0	4	16	10	0	*0*	0	0	0	*0*	*0*	*4*	*26*	*0*	0	0	0	30	0	3	2	0	0	8	10	4	3
	18	193	1011·4	–	57·5	2·8	13·4	83	8·4	0	0	4	19	7	0	*0*	0	0	0	*0*	*0*	*8*	*22*	*0*	0	0	0	30	0	3	2	0	0	7	8	6	4
Waterford Seskin, Carrick-on-Suir	9	521	1012·9	–	54·4	1·6	12·9	89	6·8	1	4	7	9	9	0	1	0	*1*	1	1	3	*4*	8	11	0	1	12	16	1	1	0	1	1	7	6	8	5
			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Kerry Valentia Observatory H	7	45	1012·7	-3·4	55·4	2·0	13·1	88	8·4	0	3	2	15	10	0	0	0	0	0	1	*5*	3	*17*	*4*	0	0	12	17	1	6	3	2	1	6	8	2	1
	13	45	1013·4	-3·1	58·3	3·3	13·4	81	8·2	0	2	3	16	9	0	0	0	0	0	0	*3*	3	*18*	*6*	0	5	18	7	0	4	2	1	0	7	5	3	8
	18	45	1013·3	-2·9	57·6	3·1	13·1	82	7·4	0	6	2	15	7	0	0	0	0	0	1	*0*	4	*18*	*7*	0	3	18	9	0	6	2	0	1	5	4	4	8
	21	45	1013·9	-2·8	56·3	2·5	13·0	84	8·0	0	1	6	12	11	0	0	0	0	0	0	*2*	4	*20*	*4*	0	1	19	5	5	7	2	0	2	3	7	1	3
	h.*	45	1013·2	-3·1	56·7	2·6	13·2	84																													
Cork Roche's Point ..	7	24	1012·8	-3·8	53·7	0·9	13·2	93	7·4	0	3	9	10	8	0	0	0	1	0	1	4	*4*	*19*	*1*	0	1	9	20	0	8	1	0	2	2	7	7	3
	13	24	1012·9	–	60·1	3·1	14·5	82	7·6	0	1	9	11	9	0	0	0	0	1	0	4	*1*	*16*	*8*	0	0	14	16	0	8	1	1	1	4	10	4	1
	18	24	1012·8	–	58·3	2·5	14·1	84	7·3	0	2	8	18	2	0	0	0	0	1	1	*0*	*19*	9	0	0	12	18	0	8	2	1	0	3	8	5	3	
11 CHANNEL I. & SCILLY.																																					
	1	199	1014·3	–	56·6	1·3	14·3	91	5·8	2	4	11	7	6	0	1	0	0	0	1	2	*4*	*22*	0	0	2	15	13	0	4	4	1	1	5	5	5	5
Scilly St. Mary's..	7	199	1014·1	-2·4	56·8	1·7	14·6	89	7·5	0	2	5	21	2	0	0	1	0	0	0	0	*7*	*22*	0	0	2	13	14	1	5	1	1	2	3	8	4	5
	13	199	1014·4	–	60·9	3·1	15·0	82	7·2	0	4	8	13	5	0	0	0	0	1	0	1	*7*	*21*	0	0	1	19	10	0	4	3	1	3	4	6	7	2
	18	199	1013·8	–	58·8	2·4	14·5	86	6·6	0	5	10	6	9	0	0	0	2	1	0	0	2	*8*	*17*	0	0	2	17	11	0	4	2	1	3	2	7	6	5
Guernsey St. Peter Port H	1	186	1014·6	–	56·7	1·6	14·3	90	5·0	9	3	7	3	8	0	0	0	0	1	0	0	7	*11*	*7*	4	0	0	4	21	5	2	2	1	3	1	6	5	5
	7	186	1014·7	–	57·0	1·5	14·6	91	6·8	0	6	6	13	5	0	0	0	0	3	0	5	*9*	*10*	3	0	0	2	21	7	1	3	0	3	4	3	6	3
	13	186	1014·8	–	63·5	5·2	14·5	72	7·0	1	3	9	11	6	0	0	0	0	0	0	1	*14*	*10*	5	0	0	8	19	3	2	1	1	4	4	6	5	4
	18	186	1014·5	–	60·3	3·0	14·9	83	5·5	0	11	7	9	3	0	0	0	0	1	2	3	*13*	*7*	4	0	0	3	21	6	3	2	0	3	0	4	6	6
GIBRALTAR .. .. H	7	400	1015·4	-2·1	67·4	3·0	19·6	84	4·2	2	14	3	11	0	0	0	0	0	0	0	*2*	7	*9*	12	0	0	8	18	4	0	2	7	1	0	0	7	9
	13	400	1015·6	–	72·9	5·6	20·7	74	4·8	1	11	9	7	2	0	0	0	0	0	0	*1*	7	*8*	14	0	1	13	16	0	0	1	13	1	0	4	8	3
	18	400	1014·8	–	70·7	4·3	20·5	79	4·7	2	11	7	10	0	0	0	0	0	0	0	*0*	10	*4*	16	0	0	10	19	1	0	6	7	2	0	3	9	2
	21	400	1015·8	–	69·3	3·7	20·2	82	3·2	8	11	5	5	1	0	0	0	0	0	0	*1*	8	*6*	15	0	0	5	24	1	1	1	12	1	0	0	5	9
MALTA .. .. H	7	234	1015·3	-1·9	74·9	4·3	23·5	80	4·7	0	14	5	11	0	0	0	0	0	0	0	1	10	*18*	*1*	0	1	8	20	1	2	5	3	4	3	4	3	5
	13	234	1015·1	–	77·9	7·2	22·3	69	4·7	0	15	5	7	3	0	0	0	0	0	0	1	4	*24*	*1*	0	2	11	17	0	2	6	6	2	2	3	4	5
	18	234	1014·9	–	74·6	4·9	22·6	77	4·7	0	15	4	10	1	0	0	0	0	0	0	0	8	*22*	*0*	0	0	7	23	0	1	1	6	3	3	3	5	8

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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OCTOBER, 1937.—Dry and dull on the whole.

The period 2nd–20th was unusually dry in many parts; subsequently weather became generally unsettled and rain fell frequently. Mean temperature for the month somewhat exceeded the average for the most part except in Ireland.

During the opening days, a depression over the Bay of Biscay with an associated trough extending north over Britain moved slowly eastward; rain fell in Scotland and parts of Ireland and western England, and was heavy locally on the 1st. On the 3rd, the Azores anticyclone spread north-east and subsequently anticyclonic conditions prevailed over the greater part of the country until the 12th. Relatively low pressure over Germany moving south-east to France caused, however, rain in the extreme south-east of England on the night of the 4th and on the 5th and slight rain over a wider area on the 6th, while a shallow trough of low pressure westward of Ireland gave rain in Ireland and the Hebrides on the 6th. From the 13th–19th anticyclonic conditions persisted in the south while depressions near Iceland moved eastward or north-eastward. Gales were recorded in the extreme north of Scotland between the 15th and 18th, but generally there was not a great deal of rain. On the 20th and 21st pressure was relatively low and rather uniform over the British Isles; some rain occurred in Scotland and Ireland but little fell over most of England.

A spell of unsettled weather ensued, when complex depressions moved directly over the British Isles. On the 23rd an exceptionally deep centre over south-west England moved north-east and on the 25th a new centre off the south of Ireland moved north-north-east. Heavy rain occurred between the 22nd and 26th and thunderstorms, accompanied locally by heavy hail, were widespread in England on the 25th. Local gales occurred in England and Wales between the 23rd and 25th and in Ireland on the 25th. A feeble anticyclone passed across Ireland and Scotland on the 27th giving good records of sunshine in these countries, while a shallow depression over western France moving north caused further rain in England. From the 29th–30th a depression was situated south of Iceland, while another depression moved north over Britain from the Bay of Biscay; weather continued unsettled until the end of the month.

Pressure and Wind.—Mean pressure somewhat exceeded the average generally, the deviation at 7 h. ranging from +1·1 mb. at Kew observatory to +4·1 mb. at Stornoway. A very striking feature of the weather of the month was the great range of pressure; at Kew Observatory the extremes were 1,035·3 mb. on the 17th and 970·8 mb. on the 23rd giving a range of 64·5 mb., a value which has not been equalled in October since at least before 1869. Previous high values were 60·8 mb. in 1886, 60·4 mb. in 1887 and 61·7 mb. in 1925. The minimum value, 970·8 mb., is the lowest in the record apart from 970·5 mb. in 1886.

Gales were reported at times, chiefly in the north of Scotland between the 15th and 19th, widely in England and Wales on the 23rd, locally in the British Isles between the 24th and 26th and locally in Scotland on the 28th. Among the highest speeds registered in gusts were 74 m.p.h. at Lerwick on the 15th, 69 m.p.h. at Kirkwall on the 16th, 82 m.p.h. at St. Mary's, Scilly, 80 m.p.h. at the Lizard and 71 m.p.h. at Pendennis Castle on the 23rd and 68 m.p.h. at Plymouth on the 25th.

Temperature.—On the whole, mean temperature exceeded the average except in Ireland. The deviations for the districts varied from −1·4°F. in Ireland, N. to +1·7°F. in Scotland, N. The excess was greatest in the extreme north of Scotland where it amounted to 4·2°F. at Deerness and 3·9°F. at Lerwick. In England the highest temperatures were widely recorded on the 1st or 2nd; in Scotland the warmest day was more frequently the 19th and in Ireland the 18th or 19th. Somewhat high temperatures were recorded in some parts between the 3rd and 5th. Among low minima were those recorded on the 16th, 18th and 19th in England, on the 25th, 27th and 28th in Scotland and on the 27th and 28th in Ireland.

The extremes for the month were:—(England and Wales) 71°F. at Attenborough on the 1st and at Canterbury on the 2nd, 27°F. at Castleton on the 19th; (Scotland) 67°F. at Edinburgh University on the 19th, 19°F. at Braemar on the 28th; (Ireland) 66°F. at Hazelhatch on the 19th and at Phoenix Park (Dublin) on the 18th and 19th, 23°F. at Markree Castle on the 27th and 28th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 80, the values for the constituent countries being England and Wales 83, Scotland 81, and Ireland 66. In England and Wales the distribution was variable; more than the average rainfall occurred in a number of scattered areas, while less than half the average was registered in a part of north-west England and at a few isolated stations elsewhere. In Ireland less than half the average was received over most of the north-western half of the country and less than 30 per cent locally in Counties Mayo and Galway; more than the average was registered in a coastal strip in the east from County Down to Counties Kildare and Dublin. In Scotland more than the average was mainly confined to a belt along the east coast and a few isolated stations elsewhere, while less than 50 per cent of the average occurred locally in the west and north-west.

During the dry period from the 2nd–20th absolute droughts were experienced in many places. In England and Wales numerous stations reported an absolute drought from the 2nd–20th; others from the 7th–21st, while at Mablethorpe, Lincolnshire, rain on the 23rd ended a drought of 27 days. At Swinton House (Berwickshire), a 17 days' drought ended on the 19th.

Heavy rain was reported at times from the 22nd onwards. Among heavy falls in 24 hours may be mentioned:—

1st 1·99 in. at Scilly.
22nd 1·85 in. at Carmarthen, 1·80 in. at Ballinacurra, County Cork and 1·77 in. at Brechfa, Carmarthen.
23rd 3·80 in. at Llanerchymedd, Anglesey, 2·62 in. at Lligwy, Anglesey, 2·05 in. at Llanbeblig, Carnarvon, 1·93 in. at Waenfawr, Carnarvon, 1·87 in. at Aber and 1·73 in. at Douglas, Isle of Man.
25th 2·18 in. at Phoenix Park, Dublin.

Local thunderstorms occurred at times; thunder was heard at Colmonell on the 3rd, at Dumfries and New Luce on the 21st. Thunderstorms were reported, chiefly in the western districts of England, on the 23rd and they were widespread in England on the 25th; the latter storm was accompanied locally by heavy hail.

In Scotland, snow fell on the hills in the north and west between the 21st and 28th.

Sunshine.—Sunshine for the most part was deficient, the percentage of the average for districts 1–10 being 84. The district percentages ranged from 66 in England, N.E. to 102 in the Channel Islands and Scilly (see Table I). An excess was recorded, however, at a number of stations in Ireland, Wales and western England and at a few stations in south-east England. In Scotland there was also an excess at a few stations, particularly along the area of the Caledonian Canal. On the other hand, at Marchmont, Berwickshire, it was the dullest October since 1889 and at Cranwell, Lincolnshire, it was the dullest October since records were first taken in 1921.

Fog.—Fog occurred frequently, particularly from the 1st–6th, 9th–13th, 16th–23rd and 28th–31st.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 15 nights. The display of the night of the 3rd–4th was very fine; it was seen as far south as Brixham, Devon, and "The Times" reports that this aurora was also seen from a trawler off the Cornish coast. (See "Meteorological Magazine," November, 1937, pp. 237–8). Solar halos were noted at Oxford on 11 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *November 24th*, 1937.

TABLE I—DISTRICT VALUES— OCTOBER, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	63	20	+1·7	-	-	69	-2	96	23
Eastern									
1 SCOTLAND, E.	67	19	+1·1	-	-	112	-3	83	24
2 ENGLAND, N.E.	68	27	+1·3	+2·0	+1·1	83	-6	66	20
3 ENGLAND, E.	69	28	+1·4	+1·6	+1·1	82	-6	75	25
4 MIDLAND COUNTIES ..	71	29	+1·1	+1·2	+1·0	97	-8	74	25
5 ENGLAND, S.E.	71	29	+1·5	+1·5	+1·3	100	-5	86	28
Western									
6 SCOTLAND, W. (*and I. of Man*)	64	26	+0·4	+0·5	+0·6	83	-5	83	21
7 ENGLAND, N.W. (*and N. Wales*)	69	30	+0·2	+1·7	+1·4	85	-5	89	25
8 ENGLAND, S.W. (*and S. Wales*)	69	30	+0·6	+0·7	+1·1	83	-7	92	28
9 IRELAND, N. ..	64	23	-1·4	-0·1	-0·2	59	-6	92	24
10 IRELAND, S. ..	66	24	-1·1	-0·8	0·0	89	-6	101	29
11 CHANNEL I. (*and Scilly*)	67	45	+0·9	+0·6	+0·6	100	-7	102	37
Mean, DISTRICTS 1—10	71	19	+0·5	+0·9	+0·8	87	-6	84	25

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER, 1937 [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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	15-17	22	12	121	324	225	52	0	240	46	21	17 17	74	33	15	10	25
Orkney Kirkwall	170	40	35	16	2	6	47	271	407	17	0	290	40	22	16 10	69	31	16	10	35
Hebrides Stornoway	—	40	36	16-17	6	7	82	274	312	70	0	210	41	18	17 15	58	26	16	08	30
1 SCOTLAND, E.																				
Aberdeen Aberdeen	70	42	32	-	0	0	0	61	455	228	0	210	21	9	19 13	44	19	19	12	35
Angus Bell Rock Lighthouse	130	—	126	1,16,26,28	8	15	119	350	197	70	0	270	41	18	26 19	55	25	26	18	05
Edinburgh Edinburgh	485	39	23	-	0	2	7	207	370	160	0	190	28	13	26 14	44	20	26	13	35
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	-	0	8	48	302	280	114	0	350	35	16	26 10	48	21	26	09	55
Renfrew Paisley	188	81	31	-	0	0	0	26	332	386	0	270	17	8	16 17	39	17	16	16	55
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	0	0	66	308	370	0	270	24	11	16 17	41	18	15	10	10
Dumfries Eskdalemuir ..	825	50	35	-	0	1	4	123	422	195	0	180	29	13	26 12	46	21	26	11	05
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	26	1	5	39	302	331	71	0	190	39	17	26 05	59	26	26	05	15
2 ENGLAND, N.E.																				
Durham South Shields ..	73	57	44	-	0	4	13	212	415	104	0	310	31	14	24 06	44	20	24	05	15
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	41	421	282	0	250	21	9	16 14	38	17	16	14	45
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	9	52	325	330	37	0	290	39	17	24 09	53	24	24	08	00
Lincoln Cranwell	284	43	33	-	0	1	3	93	518	130	0	140	26	12	25 10	49	22	25	09	40
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	8	61	197	390	96	0	140	38	17	23 22	55	25	23	23	05
Suffolk Felixstowe Aero. ..	60	45	35	23	1	5	47	159	(455)	82	0	170	40	18	23 21	55	25	23	20	10
Suffolk Mildenhall	98	83	—	-	0	3	20	159	482	83	0	240	29	13	24 04	54	24	25	07	35
Bedford Cardington ..	285	150	135	-	0	5	18	160	411	155	0	140	30	13	25 08	54	24	23	10	15
Essex Shoeburyness ..	115	104	89	23	2	7	55	269	376	42	0	170	42	19	23 20	58	26	23	19	35
4 MIDLAND COUNTIES																				
Warwick Birmingham ..	643	118	73	-	0	0	0	100	538	106	0	300	23	10	24 05	43	19	27	19	50
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	-	0	0	0	25	557	162	0	360	(16)	7	5 08	45	20	25	15	00
Surrey Kew Observatory ..	92	75	50	-	0	0	0	97	456	191	0	170	22	10	25 15	47	21	25	14	25
Surrey Croydon	313	105	70	-	0	2	7	130	458	149	0	210	26	12	25 21	48	21	25	20	10
Kent Dover	66	66	60	23	5	8	66	211	412	17	33	-	43	19	23 19	66	29	23	18	40
Kent Lympne	418	76	48	-	0	4	23	177	496	48	0	180	35	11	23 20	67	30	23	19	40
Hampshire Calshot	58	50	42	23	1	5	41	145	473	84	0	150	39	17	23 15	60	27	23	14	10
Wiltshire Boscombe Down ..	462	45	33	-	0	2	15	92	431	206	0	140	35	16	25 05	67	30	25	04	15
Wiltshire Larkhill	491	51	36	-	0	2	7	136	466	135	0	40	30	13	27 15	64	29	25	17	15
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	4	16	233	440	55	0	320	28	13	24 05	48	21	26	04	35
Lancashire Manchester (Barton)	153	83	80	-	0	1	4	131	401	208	0	60	28	13	27 23	48	21	27	19	30
Lancashire Southport	60	42	33	-	0	5	9	220	478	37	0	340	28	13	24 05	46	21	27	21	15
Cheshire Bidston Obs'y. ..	262	64	39	-	0	2	7	209	415	113	0	340	28	13	24 03	53	24	24	07	15
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	23,24	6	7	33	290	336	79	0	360	43	19	23 17	62	28	23	16	00
Flint Sealand	81	65	42	-	0	0	0	85	432	227	0	310	24	11	24 04	43	19	24	03	20
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	-	0	1	3	48	325	368	0	310	29	13	23 23	54	24	23	22	10
Devon Plymouth	185	88	65	23,25	4	3	24	83	475	158	0	-	44	20	25 10	68	30	25	09	15
Cornwall The Lizard	315	75	60	23	7	6	46	252	334	105	0	310	51	23	23 16	80	36	23	14	00
Cornwall Pendennis Castle ..	256	65	42	23,25	8	7	52	217	393	74	0	120	47	21	25 02	71	32	23	17	30
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30																	
Antrim Aldergrove	328	60	42	-	0	0	0	59	472	213	0	320	20	9	26 10	45	20	23	21	50
10 IRELAND, S.												10			23 13					
Dublin Kingstown(Cup Anr.)	49	27	27	-	0	5	30	230	378	82	24	80	32	14	25 09	-	-	-	-	-
Clare Quilty	100	40	32	-	0	3	12	157	492	83	0	-	29	13	25 22	42	19	25	22	25
Kerry Valentia Observatory	98	41	33	-	0	3	20	199	403	122	0	350	31	14	23 15	53	24	23	01	25
Cork Cork	132	71	40	-	0	1	4	39	243	458	0	-	32	14	25 12	52	23	25	11	35
11 SCILLY ISLES																				
St. Mary's	230	65	57	23	14	8	48	235	337	110	0	330	51	23	23 11	82	37	23	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).

MONTHLY WEATHER CHARTS, OCTOBER. 1937.

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

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

1009 1010 1011 1012 1013 1014 1015

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H I J K

SCALE 1: 25,000,000.

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 56° 54° 52° 50° 48°

Sea temperatures are shewn in large figures, thus: (55)

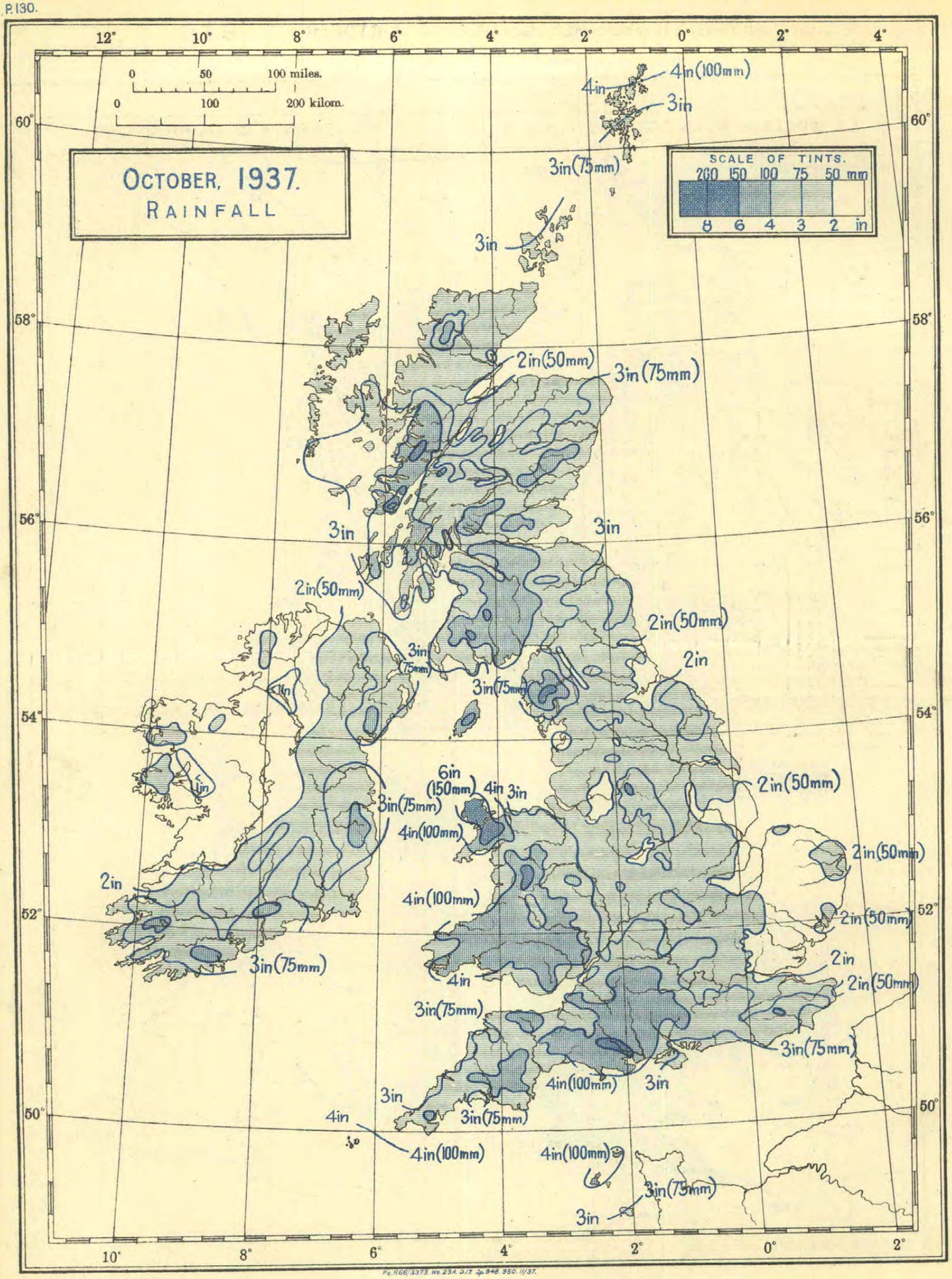
4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 4·0 3·0 2·0

2·0 3·0 4·0 0

* The pressure is expressed in millibars.

H.M. Stationery Office Press, Kingsway, W.C.2



Pg.866/3373. We.23A. 3/37. Sp.948. 950. 11/37.

Scale 1 : 5,000,000.

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, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0	SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	53·1	44·4	48·7	+2·4	56	1,6,17	33	28	49·5	–	4·30	109	98	·59	15	30	22	0	0	0	0	0	–	1	2·06	*102*	20
	Lerwick .. ¶§	18–7 7	156	52·7	46·9	49·8	+3·9	57	16	38	28	–	–	3·13	79	85	·47	2	23	18	0	0	0	0	0	–	4	1·91	*83*	19
Orkney	Deerness	2121 9	160	53·5	46·2	49·9	+4·2	59	6	37	27,28	–	–	2·54	65	67	·69	25	21	15	0	0	0	0	0	–	–	2·16	88	21
	Kirkwall .. ¶§	9 9 9	113	53·2	45·6	49·4	+2·0	59	3,18	35	28	50·4	–	3·23	82	82	·82	25	22	16	1	0	0	0	0	2	2	2·48	97	24
Hebrides	Skallary	101010	30	54·1	47·1	50·6	–	58	2,3,17	37	27	–	–	3·04	77	–	·54	6	20	15	0	0	0	0	–	–	–	–	–	–
	Stornoway(C.G.)¶§	18–7 7	80	53·0	45·8	49·4	+2·2	61	17	35	27	–	–	2·32	59	47	·46	23	23	15	0	0	1	0	0	–	3	1·99	81	19
	Stornoway ..	– – 9	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Skye	Duntulm ..	9 9 9	294	52·2	45·2	48·7	–	57	3,5,17	36	28	–	–	3·09	79	–	·62	22	19	17	0	0	1	0	0	3	1	1·91	–	19
Caithness	Wick	18–7 7	81	53·7	44·8	49·3	+2·5	61	17,18	31	28	–	–	2·51	64	85	·57	25	16	13	0	0	0	0	0	–	0	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	53·9	42·5	48·2	+2·0	61	5	32	28	–	–	4·32	110	54	·69	19	19	15	0	0	0	0	0	–	–	–	–	–
	Fortrose	9 9 9	69	53·5	43·8	48·7	+1·3	69	17,19	30	28	–	–	1·75	45	–	·34	26	12	8	0	0	0	0	1	–	0	2·84	*95*	28
Inverness	Dalwhinnie ..	18–7 7	1176	50·3	38·4	44·3	–	59	11	20	28	–	–	2·42	61	–	·84	26	15	10	1	0	0	1	1	10	0	2·28	–	22S
	Ft. Augustus ¶	9 9 9	68	54·0	40·5	47·3	0·0	63	5	25	28	–	–	1·61	41	41	·37	25	17	10	0	0	1	0	1	–	0	2·28	*104*	22S
	Ft. William ..	9 9 9	34	54·2	41·9	48·1	+0·2	61	8,10,11	31	28	48·5	51·7	2·86	73	41	·47	1	17	15	0	0	0	0	0	6	0	2·45	–	24S
	Inverness ¶§	9 9 9	242	53·0	42·8	47·9	+0·2	61	5	27	28	–	–	2·17	55	89	·48	26	12	11	0	0	0	0	0	1	0	3·27	*116*	32
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	54·4	42·9	48·7	+0·8	62	19	27	28	–	–	2·32	59	98	·48	26	12	8	0	0	0	0	0	–	0	3·41	*114*	33
Moray	Forres	9 9 9	155	55·5	41·8	48·7	–	63	19	28	28	–	–	2·40	61	–	·51	26	14	8	0	0	0	0	0	–	0	3·32	–	32
	Gordon Castle ..	2121 9	104	55·3	42·2	48·7	+1·1	64	19	28	28	–	–	2·32	59	74	·50	26	13	9	0	0	0	0	–	–	–	2·83	*93*	28S
Banff	Banff	9 9 9	130	54·3	44·4	49·3	+2·0	66	19	32	28	–	–	2·08	53	69	·53	25	15	11	0	0	0	0	0	2	0	2·85	*92*	28
Aberdeen	Aberdeen ¶§	242424	79	54·1	44·3	49·2	+1·5	60	17,18	31	27,28	50·3	51·9	3·48	88	116	·67	25	16	14	0	0	0	0	0	5	0	2·45	81	24
		18–7 –	—	54·3	44·4	49·3	+1·5																							
	Balmoral.. ..	9 9 9	927	51·7	37·7	44·7	+0·5	60	5,11,19	23	28	–	–	3·05	77	85	·65	1	18	14	0	0	0	0	–	9	0	–	–	–
	Braemar	2121 9	1111	51·6	36·7	44·1	0·0	61	11	19	28	–	–	2·70	69	71	·62	25	15	11	0	0	0	0	1	9	0	2·46	–	24S
	Craibstone ..	9 9 9	300	53·5	42·3	47·9	+1·8	61	18	30	28	49·7	50·4	3·85	98	118	·91	25	15	13	0	0	0	0	–	2	–	2·66	*80*	26
	Logie Coldstone..	9 9 9	608	53·6	37·9	45·7	+0·4	63	19	21	28	–	–	2·75	70	85	·70	1	18	12	0	0	0	0	–	–	–	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	56·5	42·4	49·5	–	65	11	30	25	–	–	3·77	96	–	1·20	25	16	9	0	0	0	0	0	–	–	2·45	–	24
Angus	Arbroath.. ..	2121 9	93	56·1	42·2	49·1	+1·2	64	11	31	25	–	–	3·74	95	144	1·04	27	14	11	0	0	0	0	4	6	0	2·41	*68*	23
	Carnoustie ..	9 9 9	39	55·2	43·0	49·1	+1·8	62	11	33	25,28	–	–	2·70	69	97	·66	28	15	10	0	0	0	0	–	–	0	2·22	*70*	21
	Dundee .. ¶§	9 9 9	147	55·0	41·6	48·3	+1·0	64	4	30	25	49·8	–	2·97	75	114	·53	23	17	15	0	0	0	0	–	6	0	2·34	*75*	23
	Kettins	9 9 9	218	53·3	40·4	46·9	+0·8	59	4	28	28	49·1	–	3·28	83	103	·86	1	17	11	0	0	0	0	4	8	0	–	–	–
	Montrose.. ..	9 9 9	16	55·2	42·6	48·9	+1·6	61	3,11,15	30	25	–	–	2·77	70	–	·82	28	14	9	0	0	0	0	1	–	0	2·59	*80*	25
Perth	Crieff	2121 9	478	53·5	40·8	47·1	+0·5	62	4	29	25	–	–	3·62	92	92	·74	21	18	13	0	0	0	0	–	–	0	–	–	–
	Perth	9 9 9	76	54·7	41·3	48·0	+0·5	63	4,11	29	25,27,28	–	–	3·57	91	121	1·01	1	17	17	0	0	0	0	–	–	–	2·19	*76*	21S
Fife	Cupar	9 9 9	210	54·5	41·3	47·9	+0·4	61	19	31	28	–	–	2·83	72	–	·85	1	15	13	0	0	0	0	–	–	–	–	–	–
	Dunfermline ..	9 9 9	237	54·1	42·4	48·3	–	62	19	32	27,28	51·7	54·0	3·06	78	–	·84	1	14	13	0	0	0	0	4	8	0	2·23	–	21
	Inchkeith ..	18–7 7	190	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Kirkcaldy ..	9 9 9	137	55·1	40·8	47·9	–0·8	64	19	30	27	–	–	3·54	90	–	·80	1	14	12	0	0	0	0	–	–	–	–	–	–
	Leuchars.. ..	18–7 7	36	55·1	42·0	48·5	+0·9	61	4,19	31	29	–	–	3·54	90	136	·90	23	16	13	0	0	0	0	3	11	0	2·60	*76*	25
	St. Andrews ..	9 9 9	13	55·0	42·5	48·7	+1·1	62	19	32	27,28	50·1	52·5	3·04	77	107	·78	23	13	10	0	0	0	0	0	3	–	2·39	*75*	23
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	53·6	44·2	48·9	+0·9	64	19	36	27	–	–	3·87	98	140	·94	1	15	11	0	0	0	0	7	0	0	2·71	84	26
	Boghall	9 9 9	639	53·4	41·8	47·6	+1·3	65	9	33	25	48·2	51·1	4·31	109	–	1·15	1	16	14	0	0	0	0	1	5	–	2·72	*87*	26
	Liberton ..	9 9 9	190	54·8	42·0	48·4	–	65	19	31	28	–	–	4·23	107	–	1·14	1	15	11	0	0	0	0	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	55·1	42·7	48·9	–	67	19	34	28	49·1	52·4	3·98	101	–	1·07	1	14	11	–	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	54·9	44·1	49·5	–	65	19	36	27	–	–	2·86	73	–	·60	23	11	11	0	0	0	0	1	0	0	2·72	–	26
	N. Berwick ..	9 9 9	118	54·7	42·8	48·7	+0·6	64	19	35	25,27,29	–	–	2·12	54	75	·63	23	13	8	0	0	0	0	0	1	0	(2·53)	*86*	24
Berwick	Marchmont ‖ ¶§	2121 9	498	53·5	42·6	48·1	+1·3	62	19	33	25	–	–	3·55	90	93	·72	23	17	11	0	0	0	0	–	–	0	1·51	59	15S
	St. Abb's Head	18–7 7	280	53·6	47·3	50·5	–	62	19	37	25	–	–	3·11	79	–	·69	23	14	10	0	0	0	0	2	–	0	–	–	–
Peebles	Peebles	9 9 9	629	53·1	40·4	46·7	–	64	19	29	5,12	–	–	2·35	60	–	·52	23	14	10	0	0	0	0	1	7	0	1·86	–	18
	West Linton ..	9 9 9	820	52·7	39·6	46·1	+1·2	61	19	28	27	47·8	50·5	3·92	100	–	·78	1	18	16	0	0	0	0	5	11	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	55·2	41·5	48·3	+0·9	63	19	31	5	–	–	3·12	79	107	·96	23	13	11	0	0	0	0	4	–	0	–	–	–
	Wolfelee	9 9 9	537	53·1	40·3	46·7	+0·7	61	19	29	5	–	–	3·12	79	81	·94	23	15	11	0	0	0	0	4	–	0	–	–	–
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	54·7	40·1	47·4	–0·2	60	5,11	26	28	–	–	4·40	112	–	·83	1	16	15	0	0	0	0	–	8	–	–	–	–
	Colonsay ..	9 9 9	87	54·5	43·9	49·2	–	59	5,8,9	32	23	–	–	4·09	104	–	·93	1	21	14	0	0	0	0	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	55·3	41·6	48·5	–	61	4,11	31	27,28	50·2	51·9	4·25	108	–	·83	25	16	15	0	0	0	0	2	4	–	1·83	–	18S
	Dunoon	9 9 9	132	53·6	43·7	48·7	–	60	9	35	23,25,27	–	–	3·77	96	–	·97	25	16	14	0	0	0	0	0	3	0	2·35	–	23
	Glenbranter ..	9 9 9	188	54·5	38·5	46·5	–0·1	62	10	30	23,28	–	–	3·82	97	–	·68	3	14	14	0	0	0	0	0	20	–	–	–	–
	Oban	9 9 9	229	53·7	44·3	49·0	–	60	11	35	25	–	–	3·79	96	–	·68	1	17	14	0	0	0	0	0	1	0	2·62	101	25
	Tiree .. ¶§	18–7 7	22	53·6	46·9	50·3	+0·5	58	3,8,17	35	28	–	–	2·23	57	49	·55	22	17	12	0	0	0	0	0	1	0	2·37	*88*	23
Bute	Rothesay ¶§	2121 9	200	53·0	44·8	48·9	+0·4	59	5	37	23,27	48·4	51·6	3·12	79	71	·81	25	16	12	0	0	0	0	0	2	1	2·58	*104*	25
Dumbarton	Cardross	9 9 9	130	54·1	41·7	47·9	+0·4	61	4,9,10	32	25,27	–	–	2·97	75	–	·49	25	18	16	0	0	0	0	0	–	–	1·90	*81*	18S
	Helensburgh ..	9 9 9	293	53·6	42·0	47·8	–0·3	62	4	32	25	–	–	3·17	81	68	·72	25	17	15	0	0	0	0	4	–	0	2·12	*88*	20
Stirling	Stirling	9 9 9	151	53·7	42·4	48·1	+0·1	59	3,4	33	25	48·7	52·9	·92	99	–	·85	1	15	12	0	0	0	0	8	14	0	1·97	*72*	19S
Renfrew	Greenock ..	9 9 9	199	53·6	44·4	49·0	+0·6	60	4	36	25	–	–	2·84	72	53	·52	25	16	14	0	0	0	0	11	2	0	2·05	–	20
	Paisley	2121 9	106	53·7	43·2	48·5	–0·1	62	4	33	25	49·9	53·2	3·52	89	94	·63	21·25	15	11	0	0	0	0	8	6	0	1·69	69	16
	Renfrew (Abbotsinch) ¶§	18–7 7	19	53·7	40·9	47·3	–0·4	61	3,4,19	27	27,28	–	–	3·29	83	96	·59	26	15	11	0	0	0	0	7	8	0	1·72	*68*	17
Lanark	Carluke	9 9 9	534	52·8	42·1	47·5	–	60	5	33	27,28	–	–	3·73	95	–	1·05	1	20	11	0	0	0	0	2	9	0	2·15	–	21
	Dungavel ..	9 9 9	798	51·6	40·6	46·1	+1·1	61	5	30	27	–	–	4·62	117	–	1·00	1	17	16	0	0	0	0	4	3	–	–	–	–
	Glasgow	9 9 9	85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ayr	Auchincruive ..	9 9 9	89	55·4	41·4	48·4	–	64	5	29	27	51·8	54·4	3·29	83	–	·65	1	17	13	0	0	0	0	1	10	0	2·61	–	25
	Ayr	2121 9	43	55·6	44·6	50·1	–	60	1,5,19	36	26	–	–	3·02	77	–	·52	1	12	11	0	0	0	0	0	5	–	2·77	–	27
	Colmonell ..	9 9 9	170	54·4	42·1	48·3	–1·1	60	5,6	27	28	–	–	3·98	101	89	·73	25	18	12	0	0	0	1	0	10	–	–	–	–
	Kilmarnock ..	9 9 9	130	53·9	41·5	47·7	–0·6	62	5	26	27	51·0	53·7	2·81	71	–	·61	21	17	13	0	0	0	0	2	9	0	2·53	–	24
	Troon	9 9 9	15	54·8	43·4	49·1	–	63	6	34	28	–	–	3·07	78	–	·49	1	18	13	0	0	0	0	3	2	0	2·74	–	26
	Turnberry ..	9 9 9	30	54·5	45·4	49·9	+0·2	60	5	35	28	–	–	2·11	54	–	·43	21	15	9	0	0	0	0	0	0	0	2·57	*97*	25
Dumfries	Dumfries.. ¶§	2121 9	140	54·6	42·4	48·5	+0·2	62	4	32	27	50·8	53·2	4·75	121	127	·98	22	15	12	0	0	0	1	3	6	0	2·16	*77*	21
	Eskdalemuir ¶§	242424	794	52·7	39·7	46·2	+1·5	59	12	31	12	50·9	52·2	3·87	98	72	·93	23	13	13	1	0	0	0	4	10	0	2·11	*78*	20
		18–7 –	—	52·8	40·7	46·7	+1·4																							
	Ruthwell ‖ ..	2121 9	67	56·0	41·6	48·8	+0·9	63	4	31	27	–	–	3·71	94	–	·95	23	15	12	0	0	0	0	–	–	0	2·17	*76*	21S

¶§ 8 *See* Notes on Tables on last page of this issue. ‖ On 1st and 2nd 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 OCTOBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	54·8	46·3	50·5	+0·4	60	4	37	31	–	–	4·47	114	99	1·73	23	12	10	0	0	0	0	0	2	0	3·05	95	29
	Point of Ayre ..	18–7 7	30	56·2	46·8	51·5	–	63	19	36	23,31	–	–	4·08	104	–	·82	23	13	11	0	0	0	0	1	–	1	2·90	–	28
2 ENGLAND, N.E.																														
Northum-berland	Berwick-on-T. ..	9 9 9	76	54·3	44·0	49·1	+1·2	63	19	35	5,19	–	–	2·19	55	76	·60	23	13	10	0	0	0	0	3	1	0	2·26	64	22
	Bellingham ..	9 9 9	849	53·2	41·3	47·3	+1·8	62	19	34	25,27,29	–	–	2·65	67	68	·85	23	15	11	0	0	0	0	1	–	–	–	–	–
	Cockle Park ¶§	2121 9	325	54·6	43·2	48·9	+1·4	60	4,19	33	27	48·5	51·2	3·01	76	88	·90	23	16	10	0	0	0	0	2	3	0	2·00	64	19
	Tynemouth ..	18–7 7	108	55·0	46·8	50·9	+1·0	60	17,19	37	20	–	–	2·05	52	69	·61	23	11	7	0	0	0	0	3	0	0	2·25	–	21
Durham	Chopwellwood ..	9 9 9	446	55·5	42·6	49·1	+2·0	66	19	32	20	–	–	2·02	51	60	·80	23	9	8	0	0	0	0	0	6	–	2·21	71	21
	Durham .. ¶§	2121 9	336	55·3	42·7	49·0	+1·3	62	1,4	32	19	–	–	1·66	42	53	·63	23	13	8	0	0	0	0	5	5	0	2·00	67	19
	Houghall.. ..	9 9 9	160	57·0	41·2	49·1	+1·4	63	1,3	29	19	–	–	1·70	43	–	·66	23	12	8	0	0	0	0	5	10	0	1·99	61	19
	Sunderland ..	9 9 9	70	56·3	46·2	51·3	–	65	19	36	20	–	–	1·95	50	–	·59	23	13	7	0	0	0	0	4	2	–	–	–	–
	Ushaw College ..	9 9 9	594	53·8	43·8	48·8	+1·1	61	19	33	20	–	–	1·95	50	57	·69	23	14	8	0	0	0	0	11	–	–	–	–	–
Yorks., N. Riding	Ampleforth ..	9 9 9	313	55·2	43·9	49·5	+1·1	65	1	36	18,19,21	–	–	2·59	66	–	1·04	23	10	7	0	0	0	0	6	3	–	1·55	–	15
	Castleton ..	9 9 9	450	55·8	42·2	49·0	–	68	1	27	19	50·5	–	3·17	81	–	1·14	23	11	10	0	0	0	0	2	3	–	–	–	–
	Catterick.. ..	18–7 7	175	55·3	43·4	49·3	–	64	1	31	21	–	–	1·70	43	–	·60	23	9	8	0	0	0	0	8	1	0	1·86	–	18
	Scarborough †¶§	9 9 9	118	57·3	47·8	52·5	+1·6	63	1,15	39	19	–	54·3	2·95	75	94	·88	27	12	8	0	0	0	1	2	0	1	2·26	70	22
	York .. ¶§	2121 9	57	57·3	44·6	50·9	+1·2	67	1	37	18	52·1	54·4	2·80	71	104	1·25	23	12	7	0	0	0	0	–	–	0	1·82	64	17
Yorks., E. Riding	Hull	2121 9	8	57·8	46·4	52·1	+2·1	66	1	39	18,19	52·2	54·0	1·71	43	57	·72	27	11	6	0	0	0	1	6	0	–	2·52	76	24
	Spurn Head ..	18–7 7	29	57·4	49·2	53·3	+2·0	64	1	42	21	–	–	2·14	54	78	·77	27	9	7	0	0	0	0	3	–	0	2·91	81	27
Lincoln	Cranwell .. ††¶§	18–7 7	203	58·1	43·4	50·7	+1·2	68	1	29	19	52·1	54·8	2·21	56	77	·54	27	7	6	0	0	1	1	9	5	0	2·43	66	23
	Cleethorpes ..	9 9 9	23	57·6	46·1	51·9	+1·6	65	1	36	19	–	–	2·23	57	–	·68	27	11	7	0	0	0	0	1	0	–	3·14	93	30
	Skegness ..	9 9 9	15	57·3	46·9	52·1	+2·0	63	1	37	18	–	–	1·38	35	50	·77	27	8	6	0	0	0	1	3	0	–	3·25	88	31
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	58·3	48·4	53·3	+2·1	66	1	39	25	–	–	1·58	40	57	·52	22	14	8	0	0	0	0	1	0	0	3·35	91	32
	Hunstanton ..	9 9 9	105	58·5	47·9	53·2	+2·2	68	1	38	19,21	–	–	1·72	44	–	·78	27	14	7	0	0	0	0	3	–	–	3·41	93	32
	Norwich	9 9 9	110	59·1	46·3	52·7	+2·2	66	1	37	18,19	51·3	–	1·52	39	–	·62	22	10	8	0	0	0	0	1	–	2	3·04	84	29
	Sprowston ..	9 9 9	93	59·1	45·8	52·5	+2·3	64	1,26	35	19	–	–	2·68	68	–	·55	22	14	8	0	0	0	0	–	7	–	2·80	76	27
	Terrington ..	9 9 9	13	58·7	44·5	51·6	–	68	1	33	18	–	–	1·69	43	–	·74	27	8	6	0	0	0	0	5	0	–	2·85	–	27
	Thetford .. (Lynford Nursery)	9 9 9	99	59·2	42·5	50·9	–	67	1	28	18	52·2	55·1	1·66	42	–	·45	22	12	6	0	0	0	1	4	6	–	2·69	–	25
	Yarmouth ¶§	18–7 7	5	57·9	49·3	53·6	+1·8	60	1	37	19,20	54·5	56·3	1·65	42	57	·52	22	9	7	0	0	0	0	1	0	3	2·63	71	25
Suffolk	Bungay (Flix'n)..	9 9 9	79	58·2	45·5	51·9	+1·4	65	1	31	19	–	–	1·99	51	–	1·10	22	10	7	0	0	0	0	2	3	–	–	–	–
	Chadacre ..	9 9 9	250	59·0	44·5	51·7	–	69	2	30	18	–	–	1·18	30	–	·42	22	10	5	0	0	0	0	5	5	–	3·02	–	28
	Copdock	9 9 9	164	59·2	45·3	52·3	+1·9	68	2	33	18,19	52·4	55·1	1·85	47	–	·76	22	11	7	0	0	0	1	5	2	–	2·75	75	26
	Felixstowe Aero..	18–7 7	15	58·4	48·3	53·3	+1·0	64	1,2	36	18	–	–	1·89	48	83	·68	22	12	8	0	0	0	0	3	1	1	3·00	74	28
	Lowestoft ..	9 9 9	82	59·2	48·2	53·7	+1·8	65	17	36	20	53·9	56·1	1·75	44	63	·59	22	10	7	0	0	0	0	1	3	0	2·84	75	27
	Mildenhall ..	18–7 7	19	59·1	43·8	51·5	–	67	1	31	18	–	–	1·50	38	–	·56	27	11	6	0	0	0	1	8	1	0	2·85	–	27
Cambridge	Cambridge ¶§ (Bot. Gdns.)	2121 9	41	58·8	44·5	51·7	+1·4	67	1	33	18	53·0	55·8	2·24	57	95	·82	27	10	8	0	0	0	1	5	4	0	2·45	70	23
	(Univ. Farm) ..	9 9 9	78	59·2	44·7	51·9	–	67	1	33	18	–	–	2·23	57	–	·77	27	15	7	0	0	0	1	5	0	0	2·56	–	24
Bedford	Luton	9 9 9	381	57·2	43·9	50·5	+1·0	65	1,2	32	18	53·6	56·1	2·69	68	–	·73	27	10	8	–	–	–	–	5	2	–	2·48	70	23
	Woburn	9 9 9	291	57·5	42·1	49·8	+0·4	65	1	29	18	51·3	53·3	2·75	70	103	1·07	27	12	9	0	0	1	1	6	5	–	2·38	72	22
Hertford	Rickmansworth	9 9 9	192	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rothamsted ¶§	9 9 9	420	56·2	44·1	50·1	+0·8	64	2	32	18	51·1	–	2·43	62	79	·65	23	13	9	0	0	0	1	3	1	0	2·53	73	24
	St. Albans ..	9 9 9	272	57·6	42·7	50·1	+0·6	65	1,2	28	16	52·9	–	2·52	64	88	·61	22	14	8	0	0	0	2	3	3	–	–	–	–
Essex	Clacton-on-S. ¶§	9 9 9	53	58·2	48·8	53·5	+1·6	64	2	39	20	54·5	56·7	1·89	48	93	·81	22	11	6	0	0	0	0	1	0	–	2·91	76	27
	Chelmsford ..	9 9 9	134	60·0	45·1	52·5	+2·7	68	2	32	18	–	–	1·21	31	49	·35	22	12	6	0	0	0	0	–	–	–	–	–	–
	Chelmsford (Agr. St.)	9 9 9	193	59·5	44·5	52·0	–	68	2	31	18	–	–	1·49	38	–	·45	22	13	8	0	0	0	0	–	6	–	3·15	–	29
	Earls Colne ..	9 9 9	168	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Halstead ..	9 9 9	140	59·8	44·7	52·3	+1·6	68	2	32	18	–	–	1·24	31	–	·46	22	9	7	0	0	0	0	4	–	–	–	–	–
	Shoeburyness ..	18–7 7	11	59·2	47·1	53·1	+1·4	64	1,2	32	18	–	–	1·65	42	70	·74	22	10	6	0	0	0	0	3	1	0	2·96	74	28
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	57·0	42·1	49·5	–	67	1	33	18	–	–	2·46	62	–	1·03	23	9	7	0	0	0	0	5	4	–	1·74	–	17
	Bingley	9 9 9	610	54·6	43·1	48·9	–	63	1	30	19	–	–	2·08	53	–	·60	23	11	8	0	0	0	0	6	6	–	–	–	–
	Bradford ..	9 9 9	439	55·1	44·6	49·9	+1·4	63	1	34	19	50·1	54·1	2·07	53	60	·83	23	9	7	–	–	–	–	7	2	–	1·75	70	17
	Doncaster ..	9 9 9	30	58·0	42·9	50·5	–	69	1	32	21	–	–	2·94	75	–	1·20	23	10	6	0	0	0	1	4	16	–	2·15	–	20
	Giggleswick ..	9 9 9	575	55·4	42·9	49·1	+1·4	64	19	29	19	–	–	2·22	57	–	·54	27	14	9	0	0	0	0	3	–	0	2·41	93	23
	Harrogate ¶§	9 9 9	478	55·1	43·9	49·5	+1·6	64	1	31	19	50·9	52·5	2·22	56	65	·88	23	9	7	0	0	0	0	8	2	0	1·96	66	28
	Huddersfield ..	2121 9	325	55·3	43·2	49·3	+0·5	65	1	33	19	50·6	53·9	2·59	66	77	1·01	23	11	8	0	0	0	0	7	8	–	1·60	65	15
	,, (Oakes)	9 9 9	761	56·0	43·9	49·9	+2·0	64	1,2	33	20	49·8	51·3	2·60	66	67	·91	23	12	8	0	0	0	0	9	4	0	–	–	–
	Meltham .. **	9 9 9	514	55·0	42·5	48·7	+0·3	65	1	29	19	49·1	49·9	2·96	75	62	1·08	23	12	8	–	–	–	–	2	–	–	–	–	–
	Pontefract ..	9 9 9	255	55·9	44·5	50·2	+1·2	65	1	35	21,31	–	–	2·63	67	98	1·24	23	12	6	–	–	–	–	7	0	–	1·93	–	18
	Sheffield	9 9 9	428	56·4	46·2	51·3	+1·6	67	1	36	19	50·9	52·9	3·37	86	104	1·28	23	10	7	0	0	0	0	–	1	0	1·93	69	18
	Wakefield ..	9 9 9	124	57·5	43·8	50·7	+0·8	67	1	33	18	50·8	53·4	2·66	68	93	1·20	23	12	6	0	0	0	0	7	5	–	1·32	56	138
Derby	Belper (School) ..	9 9 9	222	57·0	42·5	49·7	+1·3	69	1	32	10	–	–	2·34	59	74	·92	23	10	7	0	0	0	2	–	–	–	–	–	–
	Buxton ..	9 9 9	1007	53·0	42·0	47·5	+1·0	63	1	30	19	49·3	51·4	2·86	73	55	·78	23	10	9	0	0	0	0	7	2	–	2·25	86	21
Nottingham	Attenborough ..	18 7 7	89	57·7	43·1	50·4	–	71	1	32	10,18	51·4	53·9	2·70	69	–	·78	23	13	7	0	0	0	1	10	9	0	–	–	–
	Mansfield ..	9 9 9	357	56·2	44·5	50·3	+1·7	69	1	37	18	–	–	3·63	92	–	1·26	23	7	7	0	0	1	2	9	–	–	–	–	–

† 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.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS OCTOBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation (Max. Min. Rain)	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
4 MID COUNTIES—*cont.*																														
Nottingham	Nottingham ¶§	9 9 9	192	57·0	45·7	51·3	+1·6	68	1	35	10	50·2	54·4	3·22	82	126	1·21	23	7	5	-	-	-	-	8	0	-	1·94	70	18
cont.	Sutton Bon'gton	9 9 9	157	56·9	43·4	50·1	+0·9	68	1	32	10,18	51·1	-	2·36	60	102	·73	23	7	6	0	0	0	1	8	1	-	2·00	63	19
	Worksop ..	9 9 9	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leicester	Belvoir Castle ..	2121 9	259	56·9	42·9	49·9	+0·9	68	1	32	18	52·0	54·7	2·30	59	85	·70	27	10	6	-	-	-	-	-	4	-	2·23	65	21
	Leicester ..	9 9 9	325	56·0	43·1	49·5	-	66	2	32	10	52·1	54·4	2·86	73	-	·77	23	7	7	0	0	1	1	6	5	-	1·96	-	18
Northampton	Oundle	9 9 9	147	57·3	43·3	50·3	+1·0	68	1	30	18	52·2	55·0	1·90	48	-	·53	27	11	8	0	0	1	2	9	3	-	2·48	71	23
Warwick	Birmingham ¶§	18–7 7	535	55·2	45·7	50·5	+1·2	66	1	38	19	50·8	53·2	2·67	68	96	·80	27	10	8	0	0	1	0	8	6	0	2·16	74	28
	,, Sparkhill	713 7	425	56·9	43·5	50·2	+0·8	69	1	34	10	-	-	2·74	69	93	·87	27	11	7	0	0	0	1	9	10	-	-	-	-
	Coventry	9 9 9	241	56·6	43·3	49·9	0·0	68	1	31	10,18	53·0	55·8	2·19	55	78	·60	27	11	7	0	0	0	0	6	3	-	1·81	63	17§
	Rugby	2121 9	390	57·3	41·7	49·5	+0·4	69	1	33	19	-	-	3·00	76	-	·69	25	11	7	0	0	0	0	-	11	-	1·54	-	15
	Stratford-on-Avon	9 9 9	210	57·8	43·0	50·4	-	67	1	30	18	-	-	2·03	52	-	·60	27	15	9	0	0	0	0	4	-	-	2·31	-	22
Oxford	Oxford .. ¶§	9 9 9	208	58·7	44·9	51·8	+1·3	69	2	35	18	52·9	55·7	2·70	69	93	·94	27	12	10	0	0	0	1	7	1	0	2·55	76	24
Bucks	Halton	9 9 9	544	57·2	45·0	51·1	-	66	1	36	18	52·6	54·9	3·34	85	-	1·13	27	11	9	0	0	1	1	3	2	-	2·36	-	22
	Mursley	9 9 9	490	56·8	42·3	49·5	+0·1	66	1	33	16	51·3	-	2·79	71	98	1·01	27	10	8	-	-	-	-	-	-	-	2·31	70	22
Stafford	Market Drayton	9 9 9	581	55·6	42·6	49·1	-	66	1	36	10	-	-	2·35	60	-	·50	23	10	10	0	0	0	0	7	3	-	2·68	-	25
	Mayfield	9 9 9	374	55·5	40·8	48·1	+0·8	66	1	29	10	-	-	2·52	64	75	·87	23	10	8	0	0	0	0	-	4	-	2·01	72	19§
Shropshire	Newport	9 9 9	211	56·4	41·2	48·8	-	68	2	31	18	-	-	2·60	66	98	·53	27	12	9	0	0	0	0	2	14	-	2·34	-	22
	Shrewsbury ..	9 9 9	184	57·1	41·7	49·4	-0·1	66	1	31	18	53·2	56·1	3·12	79	-	·71	27	13	9	0	0	0	0	6	10	0	2·32	-	22
Worcester	Malvern	9 9 9	380	56·1	46·2	51·1	+1·0	67	1	39	10,19	51·6	54·9	2·95	75	99	·81	27	9	9	0	0	0	0	7	0	-	2·76	83	26
	Worcester .. (Perdiswell)	9 9 9	94	58·1	42·1	50·1	+0·7	68	1,2	32	16	-	-	2·40	61	-	·65	22	10	9	0	0	0	0	-	10	-	2·34	-	22
Hereford	Bromyard ..	9 9 9	393	56·3	42·1	49·2	+0·7	65	1,2	30	16	51·8	54·7	3·69	94	-	·83	27	14	9	0	0	0	1	11	4	-	-	-	-
	Hereford ..	9 9 9	292	56·5	43·0	49·7	+0·5	66	13	34	10,11	-	-	4·32	110	141	·78	25§	13	11	0	0	0	1	3	0	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	56·6	44·3	50·5	0·0	66	2	33	16	52·4	55·3	3·44	87	104	·63	27	10	8	0	0	0	1	10	4	0	2·67	84	25
Gloucester	Bristol (Horfield)	18–7 7	206	58·1	45·6	51·9	-	69	2	35	16	54·6	56·9	3·19	81	-	·66	29	13	10	0	0	1	2	1	1	0	-	-	-
	Cheltenham ..	2121 9	214	57·4	43·6	50·5	+0·1	69	2	37	10,16	52·6	57·2	2·83	72	103	·87	22	10	9	0	0	0	1	4	1	0	2·40	70	23
	Cirencester ..	9 9 9	443	56·5	43·6	50·1	+1·1	67	2	34	16,18	-	-	3·75	95	-	1·14	22	15	8	0	0	0	1	7	3	-	2·47	84	23
	Parkend	9 9 9	325	56·0	43·2	49·6	-	66	2	33	16	52·0	54·5	3·95	100	-	·90	23	13	9	0	0	0	1	5	9	-	2·27	-	21
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—																									2·31	92	22
	Camden Square ..	9 9 9	110	59·9	47·9	53·9	+2·0	69	1,2	39	18	53·0	55·5	2·21	56	84	·62	22	9	8	0	0	0	1	-	0	-	-	-	-
	East Ham ..	9 9 9	15	60·0	47·4	53·7	+2·2	69	1,2	38	18	-	-	2·12	54	88	·60	23	12	6	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	58·6	45·9	52·3	+2·2	66	1,2	37	18,19	-	54·8	2·12	54	78	·63	23	13	9	0	0	1	1	5	0	-	2·28	71	21
	gGreenwich ..	2424 9	149	59·1	45·6	52·3	+1·0	69	1,2	36	18	54·1	55·7	2·32	59	92	·61	23	14	8	0	0	1	1	5	7	0	2·61	81	24
		21 9 –	—	59·1	46·8	52·9	-																							
	Hampstead ..	9 9 9	450	56·7	45·2	50·9	+1·2	65	1,2	35	18	-	-	2·65	67	-	·69	22	12	9	0	0	0	1	-	1	-	2·64	80	25
	Kensington ..	18–9 9	80	58·7	48·2	53·5	+1·2	68	2	39	16	54·1	56·3	2·54	65	98	·64	22	12	8	0	0	0	0	4	3	0	1·97	-	18
	Kingsway ..	—	—																									2·28	-	21
	Regent's Park ..	9 9 9	129	59·2	47·7	53·5	-	69	2	40	18	-	-	2·26	57	-	·65	22	10	8	0	0	0	0	4	1	-	2·16	83	20
	Kew ¶§	242424	18	58·3	46·6	52·5	+1·5	67	2	37	18	53·2	55·9	2·37	60	87	·56	27	10	6	0	0	0	1	9	2	0	2·64	85	25
	Observatory ..	18–7 –	—	58·2	47·0	52·6	+1·0																							
	Tottenham ††¶§	2121 9	51	59·4	46·7	53·1	+1·3	69	2	37	18	-	58·1	2·18	55	87	·65	23	9	8	0	0	0	1	-	0	-	2·57	87	24
	Westminster ..	9 9 9	27	60·0	40·9	50·5	-2·0	69	1	41	16,18	-	-	1·93	49	80	·54	22	9	7	0	0	0	1	-	0	-	2·33	83	22
Surrey	Addington ..	9 9 9	472	57·8	45·9	51·9	+1·6	66	2,3	35	19	-	-	3·22	82	-	·90	23	13	11	0	0	0	1	8	-	-	-	-	-
	Croydon	18–7 7	217	59·0	46·7	52·9	+1·8	67	1,2	36	19	-	-	3·30	84	110	·93	23	15	9	0	0	0	1	8	0	0	2·64	79	25
	Wisley	9 9 9	150	59·0	44·3	51·7	+1·0	67	1,2	32	16	53·5	56·3	3·27	83	-	1·17	22	14	10	0	0	0	1	8	8	0	2·44	76	23
Kent	Biggin Hill ..	18–7 7	567	57·0	45·6	51·3	+1·2	65	1,2	36	19	-	-	3·30	84	91	·89	23	13	8	0	0	0	1	8	6	1	3·28	91	31
	Bromley	9 9 9	213	59·6	45·8	52·7	-	67	1,2	36	19	-	-	2·77	70	102	·91	23	13	8	0	0	1	1	6	0	-	-	-	-
	Canterbury ..	9 9 9	135	59·4	45·9	52·7	+1·6	71	2	33	18	53·5	55·0	2·93	74	-	·94	22	11	11	-	-	-	-	-	1	-	-	-	-
	Dover	9 9 9	22	60·4	50·5	55·5	+3·3	69	1	39	18	56·2	59·3	3·10	79	-	1·11	23	15	9	0	0	0	0	0	0	1	2·96	76	28
	Dungeness ..	18–7 7	20	60·3	49·0	54·7	+1·8	67	4	33	18	-	-	2·39	61	68	·81	23	11	8	0	0	0	1	2	-	1	-	-	-
	East Malling ..	9 9 9	132	58·6	43·1	50·9	+1·0	66	1,2	31	18	-	-	2·49	63	-	·79	22	13	10	0	0	0	0	3	1	0	2·90	87	27
	Folkestone ..	9 9 9	101	59·4	50·0	54·7	+1·6	66	2	41	18	-	57·8	2·65	67	-	·60	23	13	12	0	0	0	0	0	0	-	3·22	86	30
	Goudhurst ..	9 9 9	290	59·0	43·9	51·5	-	68	2	31	18	-	-	4·37	111	-	·85	22	12	10	0	0	0	0	3	8	-	-	-	-
	Lympne	18–7 7	346	57·9	47·3	52·6	+1·7	66	2	39	17	-	56·9	2·14	54	55	·73	22	15	8	0	0	0	0	1	1	0	3·32	87	31
	Manston	18–7 7	142	58·5	48·1	53·3	-	66	2	36	18	-	-	2·76	70	-	·80	5	15	7	0	0	0	0	1	1	1	3·31	-	31
	Margate .. ¶§	9 9 9	51	58·8	51·5	55·1	+2·0	63	1,2,22	44	14	54·9	57·6	2·78	71	95	·58	22	14	9	0	0	0	0	0	0	0	3·36	87	31
	Tunbridge W. ..	9 9 9	355	58·8	44·5	51·7	+1·3	69	1,2	31	18	52·2	55·8	3·26	83	-	·96	22	14	11	0	0	1	0	1	2	0	3·17	88	30
	Wye	9 9 9	164	59·3	45·3	52·3	+2·2	68	2	30	18	-	-	3·50	89	-	1·07	22	14	10	0	0	0	0	-	1	0	3·22	93	30
Sussex	Ardingly ..	9 9 9	437	58·3	45·8	52·1	+2·3	68	2	38	14,16	-	-	2·91	74	-	·96	22	13	9	0	0	0	0	-	0	-	-	-	-
	Beachy Head ..	18–7 7	502	57·9	49·2	53·5	+2·2	63	1,2	42	14	-	-	3·14	80	-	·86	22	14	10	0	0	0	0	0	-	-	-	-	-
	Brighton ..	9 9 9	32	60·2	49·1	54·7	+1·6	69	2	36	24	-	58·8	2·40	61	62	·61	22	11	11	0	0	0	0	1	0	2	3·32	86	31
	Eastbourne ..	2121 9	35	60·4	49·2	54·8	+1·8	67	4	39	18	56·0	58·6	3·27	83	79	1·08	22	13	10	0	0	0	1	0	0	-	3·18	81	30
	Hastings ¶§	2121 9	149	60·0	49·2	54·6	+2·1	67	2	44	14	56·0	58·0	3·64	92	96	1·24	22	13	10	0	0	0	0	0	0	1	3·38	85	32
Berkshire	Ascot H'therw'd	2121 9	300	58·4	44·3	51·3	+1·3	66	1,2	35	18	-	-	2·33	59	-	·70	27	14	9	0	0	0	1	7	2	-	2·87	86	27
	Reading	9 9 9	152	59·5	45·5	52·5	+1·9	68	1	34	16	53·7	57·1	2·81	71	-	·80	27	15	8	0	0	0	1	-	1	0	-	-	-
	Shinfield ..	9 9 9	200	59·3	43·9	51·6	+1·3	68	1	31	16	-	-	2·84	72	-	·81	27	11	8	0	0	1	1	-	-	-	-	-	-
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 OCTOBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
5 ENGLAND, S.E.—*cont.*																														
Hampshire	Bournemouth ..	9 9 9	139	59·2	45·8	52·5	+0·7	68	2	38	16	54·5	56·3	5·88	149	138	1·64	22	12	9	0	0	1	1	0	-	-	3·49	93	33
	Calshot	18–7 7	8	59·8	49·1	54·5	+1·8	67	2	41	16	-	-	2·74	70	74	·63	22	14	10	0	0	0	1	4	0	2	3·55	*93*	33
	Leckford ..	9 9 9	385	58·1	44·5	51·3	-	67	2	35	16,18	51·8	-	4·77	121	-	·96	22	13	11	0	0	0	-	2	-	-	3·35	-	31
	Long Sutton ..	9 9 9	479	58·2	43·9	51·1	+1·2	66	1	36	19	52·8	-	3·70	94	-	·87	22	13	10	0	0	0	2	6	0	-	2·68	*81*	25
	Southamp'n ¶§	2121 9	64	59·4	46·4	52·9	+1·0	67	2	38	16	-	-	3·66	93	93	1·02	22	14	11	0	0	0	1	3	0	1	3·18	91	30
	S. Farnboro' ††..	18–7 7	226	58·7	43·5	51·1	+0·5	67	1	29	16	-	-	2·52	64	79	·63	27	14	8	0	0	1	1	8	6	0	2·88	*81*	27
I. of Wight	Newport	9 9 9	48	60·8	44·2	52·5	+0·9	69	3	34	16,18	-	-	4·13	105	-	·84	22	12	12	0	0	2	2	4	0	2	-	-	-
	Ryde	9 9 9	13	60·0	48·6	54·3	+1·6	66	2,3	40	16	-	-	2·67	68	-	·96	22	11	9	0	0	1	1	1	-	2	3·73	99	35
	Sandown ..	9 9 9	13	60·1	49·6	54·9	+1·7	68	3	40	16	-	-	2·40	61	-	·71	22	12	9	0	0	0	0	0	-	-	3·65	95	34
	Totland Bay ..	9 9 9	140	59·4	48·0	53·7	+0·8	66	1,2,3	39	16	-	-	3·78	96	92	·93	22	14	12	0	0	1	1	0	2	3·51	92	33
	Ventnor(Hospital)	9 9 9	59	60·2	50·5	55·3	+1·2	66	1,3	45	5,11	-	-	2·37	60	60	·78	22	13	9	0	0	1	0	-	-	0	3·98	104	37
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	57·7	44·2	50·9	-	68	2	31	16	-	-	4·88	124	-	·84	22	14	10	0	0	2	1	8	1	0	3·08	-	29
	Larkhill	9 9 9	440	57·8	43·8	50·8	+0·9	69	2	33	16	-	-	5·25	133	175	1·51	22	14	11	0	0	1	1	3	4	0	-	-	-
	Marlboro' ‖ ¶§	9 9 9	424	57·8	41·9	49·9	+1·0	69	2	30	16	52·4	54·3	4·48	114	128	1·19	22	12	10	0	0	0	1	5	11	1	2·38	82	23
	Porton	9 9 9	363	58·8	43·4	51·1	+1·6	68	2	31	16	52·3	-	4·46	113	143	·93	27	11	10	0	0	0	1	0	6	0	3·42	*105*	32
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	55·3	41·5	48·4	-0·7	60	1,2	32	12,20	51·0	54·3	3·35	85	60	1·33	23	13	12	0	0	0	0	0	6	0	2·27	*89*	22
	Newton Rigg ¶§	2121 9	560	54·7	39·9	47·3	0·0	63	19	30	5	-	-	2·74	70	74	1·29	23	13	9	0	0	0	0	0	15	1	2·13	74	20
Westmorland	Ambleside ..	9 9 9	145	56·8	42·0	49·4	-	65	12	33	10	-	-	3·40	86	-	·82	23	12	12	0	0	0	0	3	-	-	2·08	-	20
	Appleby	9 9 9	440	54·9	40·6	47·7	+0·4	64	19	30	19	-	-	1·35	34	39	·42	23	12	8	0	0	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	56·1	44·6	50·3	+1·0	67	1	37	19,20	51·3	53·1	2·37	60	53	·59	27	13	9	0	0	0	0	-	0	-	2·02	97	198
	Burnley	9 9 9	458	55·5	42·7	49·1	+0·9	65	1	33	5,19	50·8	53·1	2·09	53	-	·46	23	12	9	0	0	0	0	1	15	-	2·11	*88*	208
	Darwen	2121 9	724	55·0	43·6	49·3	+1·4	65	1	38	27	50·9	53·1	2·90	74	59	·51	27	17	12	0	0	0	0	6	0	-	2·16	*87*	218
	Hutton	9 9 9	82	56·5	43·6	50·1	+2·0	67	1	33	5	51·3	53·9	2·08	53	-	·39	23	12	12	0	0	0	0	2	7	0	2·23	*81*	21
	Lancaster ..	9 9 9	312	57·0	45·3	51·1	+1·2	63	1,12,19	40	20,27,28	50·6	52·3	1·77	45	43	·39	23	12	10	0	0	0	0	1	0	-	1·82	59	17
	Leyland	9 9 9	125	57·0	43·3	50·1	+1·0	68	1	34	5	-	-	1·91	49	53	·36	23	12	11	0	0	0	0	4	5	-	2·34	*82*	22
	Manchester (Barton) ..	18–7 7	70	56·9	42·0	49·5	-	67	1	31	5,18,21	-	-	1·75	44	-	·39	27	10	9	0	0	1	0	11	9	0	2·09	-	20
	(Oldham Road)	2121 9	191	56·8	47·3	52·1	+1·3	67	1	39	19	52·7	56·4	1·67	43	52	·35	22	11	10	0	-	0	0	-	1	-	1·45	77	148
	(Whitworth Pk.)	2121 9	125	57·5	45·1	51·3	+1·1	68	1	34	19	-	-	1·55	39	47	·30	22	11	10	-	-	-	-	6	2	-	1·53	73	15
	Southport (Bedford Rd.Pk.)¶§	9 9 9	35	56·9	43·9	50·4	+0·2	67	1	34	5,10,18	50·5	53·5	2·25	57	64	·56	23	12	9	0	0	0	1	0	6	0	2·64	84	25
	Stonyhurst ¶§	9 9 9	377	55·1	44·0	49·5	+0·8	64	1	33	19	-	-	2·07	53	46	·41	23	15	9	0	0	0	0	0	1	0	2·80	102	27
Cheshire	Bidston Obs'y ..	9 9 9	198	54·9	46·6	50·7	+0·6	65	1	40	18	-	-	2·30	59	70	·55	24	14	11	0	0	0	1	6	0	0	2·37	*80*	22
	Hoylake	9 9 9	23	56·6	44·3	50·5	-0·4	66	1	34	5,21	-	-	2·47	63	74	·68	23	12	10	0	0	1	1	-	2	-	2·39	76	23
	Macclesfield ..	9 9 9	500	55·7	44·1	49·9	+1·6	66	1	37	20	-	-	1·84	47	54	·56	23	10	7	0	0	0	0	-	-	-	-	-	-
	West Kirby ..	9 9 9	25	56·7	44·4	50·5	-0·2	66	1	33	18	-	-	2·35	60	70	·63	23	12	11	0	0	1	1	0	3	-	2·69	*82*	25
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	57·2	43·3	50·3	-0·4	67	1	31	5,10	-	-	2·59	66	-	·71	23	12	10	0	0	1	0	5	-	-	-	-	-
	Rhyl	9 9 9	31	57·5	44·8	51·1	+0·2	69	19	37	5,10,31	-	-	2·23	57	70	·71	23	11	7	0	0	0	0	0	1	2	2·67	84	25
	Sealand .. ¶§	18–7 7	16	56·7	43·1	49·9	-0·2	67	1	32	5,10,18	52·4	55·0	2·46	62	81	·63	23	12	10	0	0	1	1	7	3	0	2·42	*83*	23
Anglesey	Holyhead ¶§	18–7 7	26	55·9	49·3	52·6	+0·1	62	18	44	18,23,29	-	-	6·40	163	160	1·59	23	12	11	0	0	1	1	0	0	2	3·19	*102*	30
Denbigh	Colwyn Bay ..	9 9 9	118	56·6	46·2	51·4	0·0	62	2	38	23	-	-	2·82	72	75	1·06	23	12	11	0	0	0	0	0	-	-	2·58	*82*	24
Carnarvon	Aber	9 9 9	60	56·8	46·2	51·5	-0·2	64	19	38	23	-	-	5·06	129	-	1·87	23	12	11	0	0	0	0	-	8	0	2·64	*108*	258
	Llandudno ..	9 9 9	13	56·7	47·0	51·9	+0·1	62	2,19	38	20	-	-	3·24	82	97	1·56	23	11	10	0	0	0	1	0	1	1	2·78	87	26
Montgomery	Welshpool ..	9 9 9	254	57·0	41·5	49·3	+0·6	65	1	30	5	-	-	3·27	83	97	·80	29	11	10	0	0	0	0	7	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	57·6	46·6	52·1	+0·2	66	18	38	20	-	-	3·53	90	-	1·21	29	12	10	0	0	1	0	1	-	-	3·30	101	31
	,, P.B.S.†	9 9 9	452	55·9	46·3	51·1	+0·8	67	19	39	20	-	-	3·92	100	-	1·48	29	11	10	0	0	0	0	0	2	0	3·25	*111*	31
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pembroke	Haverfordwest ..	2121 9	233	57·9	41·4	49·7	-1·0	63	4	32	4	-	-	3·94	100	-	·92	23	11	10	0	0	0	0	2	-	-	3·69	*112*	35
	St. Ann's Hd. ¶§	18–7 7	142	57·4	50·0	53·7	+1·0	62	4,18	40	29	-	-	4·23	107	101	1·02	22	11	10	0	0	0	0	0	-	4	3·31	105	31
Radnor	Llandrindod Wells	9 9 9	772	56·2	41·3	48·7	-	67	1	30	18	-	-	2·95	75	-	·89	29	10	9	0	0	0	0	3	-	0	2·52	-	24
	Rhayader ¶§	9 9 9	757	55·0	40·9	47·9	+0·3	64	2	30	5,11	-	-	3·18	81	55	·88	29	13	10	0	0	0	0	5	12	0	2·21	*70*	21
Brecknock	Cantref	9 9 9	1080	53·1	42·9	48·0	-	63	1	34	19	-	-	4·29	109	-	1·53	29	14	10	0	0	0	0	0	-	-	3·38	-	32
Glamorgan	Cardiff	2121 9	203	57·6	46·4	52·0	+1·4	67	2,3	39	16	53·7	56·4	4·09	104	86	1·49	29	11	10	0	0	0	1	2	0	0	2·65	*77*	25
	Swansea	9 9 9	32	58·6	49·3	53·9	+1·4	67	2	43	20	54·8	58·4	3·66	93	-	1·06	29	11	11	0	0	0	0	0	0	-	3·48	*107*	33
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	57·1	45·8	51·5	+0·8	66	2	37	16	53·2	55·9	3·88	99	-	·91	22	12	10	-	-	-	-	2	-	-	2·82	-	26
	Usk	9 9 9	70	57·6	42·4	50·0	+0·7	66	2	32	11	54·3	-	4·43	113	-	1·26	29	13	10	0	0	0	1	2	3	0	2·55	*91*	24
Somerset	Bath .. ¶§	9 9 9	67	58·8	45·3	52·1	+1·2	69	2	34	16	53·9	56·9	3·18	81	96	·77	22	11	9	0	0	0	2	1	-	0	2·68	*83*	25
	Cannington ..	9 9 9	95	58·4	45·4	51·9	-	68	2,3	36	16	-	-	3·47	88	-	·70	22	13	18	0	0	0	2	2	0	0	2·35	-	22
	Long Ashton ..	9 9 9	162	58·2	44·4	51·3	+0·3	69	2	35	16,18	-	-	3·32	84	88	·75	29	12	11	0	0	0	2	2	4	0	2·52	*76*	24

† Plant Breeding Station. ¶§ S *See* Notes on Tables on last page of this issue. ††New site as from May 19, 1937.

‖ On 1st and 2nd 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 OCTOBER, 1937

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation (Max. Min. Rain)	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
8b ENGLAND, S.W.—*cont.*																														
Dorset	Holton Heath ..	9 9 9	64	59·1	44·8	51·9	+0·6	68	2	33	16	54·2	57·5	5·42	138	-	1·48	22	12	10	0	0	0	1	0	2	0	-	-	-
	Portland Bill ..	18–7 7	32	59·2	51·3	55·3	+0·8	65	2	46	5	-	-	3·34	85	100	·83	25	11	9	0	0	0	1	0	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	56·7	45·8	51·3	+1·3	68	3	42	5,19	-	-	4·41	112	113	·97	22	12	11	0	0	0	2	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	56·3	43·6	49·9	-1·0	66	2	35	16,17	53·1	-	3·65	93	88	1·12	24	12	11	0	0	0	1	2	5	-	3·12	95	29
	Ilfracombe ..	9 9 9	25	58·3	49·4	53·9	*0·0*	65	18	40	20	55·4	58·7	3·06	78	69	·93	27	11	11	0	0	0	0	0	0	-	3·37	*109*	31
	Killerton ..	9 9 9	159	59·0	44·8	51·9	+0·9	67	2	36	17	-	-	3·32	103	-	1·60	24	11	10	-	-	-	-	0	1	-	-	-	-
	Moretonhampstead	9 9 9	798	55·4	44·9	50·1	-	62	4,18	38	17	51·9	54·2	4·16	106	-	1·09	24	17	12	0	0	0	1	0	8	0	2·98	-	28
	Newton Abbot ..	9 9 9	375	58·6	46·1	52·3	+0·3	67	4	38	17	-	-	3·69	94	89	1·14	24	14	10	0	0	0	0	1	0	-	3·34	*92*	31
	Paignton ..	9 9 9	12	59·5	47·2	53·3	+0·8	66	3	38	17	-	-	3·38	86	-	·95	24	11	11	0	0	1	2	0	1	-	3·75	*103*	35
	Plymouth (Hoe)	2121 9	117	59·7	48·7	54·2	+1·3	67	18	41	17	53·9	56·6	3·75	95	95	·97	24	12	11	0	0	0	0	0	0	0	3·79	104	35
	Plymouth (Mount Batten) ..	18–7 7	82	59·7	49·9	54·8	+1·6	67	18	42	17	-	-	3·43	87	-	·79	24	10	8	0	0	0	0	0	0	2	3·71	*100*	35
	Princetown ..	9 9 9	1430	53·6	43·4	48·5	+0·8	60	2,3,18	39	24,31	-	-	4·87	124	58	1·40	24	13	11	0	0	0	0	15	0	-	-	-	-
	Sidmouth ..	9 9 9	25	59·2	47·8	53·5	+1·2	67	2	41	17	-	-	3·35	85	-	·71	22	11	9	0	0	2	0	0	-	-	3·33	-	31
	Tavistock ..	9 9 9	457	58·5	45·7	52·1	+1·4	69	18	37	17	-	56·7	3·67	93	70	·83	24	12	10	0	0	1	1	0	1	1	-	-	-
	Teignmouth ..	9 9 9	20	59·2	48·5	53·9	+0·8	66	3	40	17	-	-	3·81	97	98	1·15	31	12	9	0	0	0	0	1	-	-	3·35	93	31
	Torquay ..	9 9 9	27	58·7	48·8	53·7	+0·2	65	3	42	17,31	-	58·0	3·15	80	78	·84	24	11	10	0	0	1	2	0	0	1	3·74	100	35
Cornwall	Falmouth Obs. ¶§	9 9 9	167	59·1	49·5	54·3	+1·4	65	2,3	44	23,26	56·3	59·4	3·72	94	75	·81	23	11	7	0	0	0	0	0	0	-	3·86	106	36
	Fowey	9 9 9	51																											
	Gulval	9 9 9	20	59·2	48·1	53·7	+0·5	66	4	40	31	-	-	3·28	83	-	·86	22	10	9	0	0	0	0	0	1	-	3·84	*102*	36
	The Lizard ..	18–7 7	240	58·7	50·0	54·3	-	67	2	45	23,27	-	-	3·25	83	-	·74	24	11	9	0	0	0	0	0	-	1	-	-	-
	Newquay ..	9 9 9	182	58·0	48·1	53·1	+0·4	63	18	40	31	54·3	57·1	2·88	73	72	1·21	29	12	7	0	0	0	0	0	-	2	3·68	100	34
	Redruth	9 9 9	397	57·1	47·3	52·2	+0·3	63	4	41	26	-	-	3·69	94	70	·98	24	13	9	0	0	0	0	0	0	1	-	-	-
9 IRELAND, N.																														
Sligo	Markree Cas. ¶§	2121 9	122	55·4	39·7	47·5	-1·6	63	3	23	27,28	52·5	54·3	1·37	35	34	·39	6	11	9	0	0	0	0	1	-	0	2·32	88	22S
Mayo	Blacksod Pt. ¶	18–7 7	18	54·7	43·7	49·2	*-2·0*	60	3	33	27	-	-	2·02	51	41	·48	6	13	9	0	0	0	0	0	-	0	-	-	-
	Mallaranny §	9 9 9	113	54·6	44·7	49·7	*-1·2*	62	4	33	25,27	-	-	2·05	52	-	·41	19	12	10	-	-	-	-	0	-	-	2·93	*113*	28
Donegal	Malin Head ¶§	18–7 7	84	54·2	45·6	49·9	*-0·4*	61	5	33	25	-	-	1·57	40	53	·28	30	17	12	0	0	0	0	0	-	0	1·84	73	18
Antrim	Aldergrove ..	18–7 7	238	53·9	41·7	47·8	-	61	4	27	27	-	-	2·95	75	98	·77	29	14	10	0	0	0	0	4	9	0	2·55	-	24
Down	†Donaghadee ..	8 8 8	30	55·0	45·0	50·0	*-0·1*	60	15,19	36	31	-	-	3·49	89	121	1·12	25	13	10	-	-	-	-	0	-	-	2·66	-	25
	Hillsborough ..	9 9 9	388	52·9	41·8	47·3	-	62	19	31	27	51·6	-	3·43	87	-	·96	25	16	11	0	0	0	0	2	7	0	2·59	-	25
Armagh	Armagh ‖. ¶§	2121 9	204	54·4	41·1	47·7	-1·2	62	4	28	27	50·7	53·2	2·75	70	101	·80	25	16	12	0	0	0	0	2	6	0	2·31	82	22
Longford	Newtownforbes ..	2121 9	154	54·7	39·6	47·1	*-1·2*	64	3	25	31	49·8	53·6	1·56	40	48	·79	25	9	8	0	0	0	0	-	-	-	-	-	-
10 IRELAND, S.																														
Dublin	Dublin City .. ¶	2121 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	,, Glasnevin ..	2121 9	55	56·2	39·8	48·0	-2·1	64	19	29	31	-	-	3·80	97	140	1·29	25	12	9	0	0	0	0	5	5	0	-	-	-
	,, Phœnix Pk. §	2121 9	155	56·0	40·6	48·3	-0·9	66	18,19	27	27	-	-	4·45	113	169	2·18	25	13	8	0	0	0	0	3	9	0	2·87	91	27
	,, Trin. Coll. ..	2121 9	13	56·1	44·9	50·5	-0·6	65	18	35	27	51·8	54·0	3·66	93	145	1·51	25	12	7	0	0	0	0	-	1	0	-	-	-
	Hazelhatch .. (Peamount San.)	9 9 9	366	55·8	40·4	48·1	-	66	19	29	27	-	54·2	3·33	85	-	1·55	25	8	6	-	-	-	-	-	-	-	2·90	-	27
	Rathfarnham ..	9 9 9	169	55·5	42·4	48·9	-	64	18	32	27	51·0	-	4·19	106	-	1·62	25	11	8	0	0	0	0	1	9	-	2·95	-	28
Wicklow	Newcastle ..	2121 9	256	58·9	43·6	51·3	*+1·2*	62	3,25,28	40	9,27,28	-	-	3·92	100	-	1·02	25	14	12	0	0	0	0	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18–7 7	173	55·0	41·2	48·1	*-1·6*	64	19	24	27	51·6	54·4	1·93	49	66	1·08	25	12	7	0	0	0	0	4	8	0	3·06	105	29
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	53·5	42·6	48·1	*-1·2*	62	4,5,18	33	27	-	-	4·21	107	-	1·40	22	12	8	0	0	0	0	2	6	0	2·99	97	28
	Waterford ¶	9 9 9	137	56·1	43·0	49·5	-1·4	63	3,18	32	27	-	-	3·11	79	79	1·07	22	10	7	0	0	0	0	12	-	0	-	-	-
Limerick	Foynes	9 9 9	43	55·2	43·3	49·3	-1·7	63	4,18	28	28	-	-	1·49	38	39	·77	22	11	9	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	55·6	46·6	51·1	-1·1	61	10	32	28	53·4	55·6	2·50	64	45	1·09	22	13	10	0	0	0	0	0	2	0	3·05	106	29
		18–7 –	—	56·5	46·7	51·6	*-1·1*																							
Cork	Ballinacurra §	9 9 9	24	56·8	42·9	49·9	-1·2	63	3	33	27,28	-	-	3·67	93	91	1·80	22	13	8	0	0	0	0	-	-	-	3·10	100	29
	Cork	9 9 9	57	57·5	42·2	49·9	*-0·6*	65	3, 18,19	29	28	-	-	2·48	63	64	1·23	22	11	8	0	0	0	0	0	3	-	3·10	-	29
	Roche's Pt. ¶	18–7 7	22	56·1	47·4	51·7	*-0·6*	63	3	36	27	-	-	3·48	88	85	1·68	22	13	10	0	0	0	0	2	-	1	-	-	-
11 CHANNEL ISLES AND SCILLY																														
Scilly	St. Mary's ¶§	18–7 7	163	57·9	50·6	54·3	*+0·2*	63	4,10	46	23,26,28	-	-	5·23	133	143	1·99	1	14	8	0	0	0	0	1	-	1	4·29	113	40
Guernsey	St. Peter Port ¶§	18–7 7	175	59·7	52·3	56·0	*+1·1*	66	2	47	14,23,26	56·0	58·6	4·20	107	94	·86	22	14	13	0	0	0	0	0	0	3	3·94	98	36
Jersey	St. Heliers ¶§	9 9 9	28	60·5	52·2	56·3	*+1·4*	67	1	45	18	-	-	2·93	74	64	·82	23	14	13	0	0	0	0	0	-	-	3·85	94	36
GIBRALTAR		18–7 7	393																											
MALTA		18–7 7	231	75·7	67·0	71·3	*+0·7*	87	7	53	18	-	-	1·88	48	70	·97	17	5	4	0	0	0	3	0	-	0	6·61	*88*	58

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Attenborough	Trent	7	60·0	50·0	53·9
	,,	18	60·6	50·5	54·4

TABLE III (*b*)—SKY OBSERVATIONS, OCTOBER, 1937

WEATHER DIARY, ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	0
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	31 nights	27 nights
Average exposure (hours)	11·41	10·83
Polaris unobscured (per cent.)	36	36
δ Ursæ Minoris (ditto)	32	22

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION, KEW OBSERVATORY	Cal./cm.²/diem.
Max. (on 4th)	262
Mean	89

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

‖ On 1st and 2nd Observations were taken one hour earlier than the times shown.

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.			G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Shetlands	Lerwick	.. ..	1	160	1012·4	–	49·5	1·1	11·1	92	8·4	0	2	4	6	19	0	0	0	0	0	1	4	6	20	0	1	5	11	14	0	3	1	1	1	7	10	4	4
			7	160	1012·4	+3·5	49·2	1·1	11·0	92	8·1	0	0	8	11	12	0	0	0	0	0	0	3	7	21	0	2	5	9	14	1	3	1	2	1	7	8	6	2
			13	160	1012·5	–	51·1	2·0	10·9	86	8·4	0	0	6	18	7	0	0	0	0	0	0	2	6	23	0	3	3	16	9	0	2	0	1	2	8	8	7	3
			18	160	1012·8	–	49·8	1·5	10·8	89	8·3	0	2	4	12	13	0	0	0	0	0	0	3	7	21	0	2	4	13	11	1	3	0	1	2	8	9	4	3
Orkneys	Deerness	.. ..	9	165	1013·3	–	50·1	1·9	10·6	87	7·1	0	3	8	16	4	0	0	0	0	0	0	3	7	21	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			21	165	1013·1	–	49·2	1·5	10·6	89	7·0	1	3	7	14	6	0	0	0	0	0	0	0	2	29	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hebrides	Stornoway	..	1	83	1013·5	–	47·8	1·6	9·9	88	7·6	0	4	5	13	9	0	0	0	0	0	0	1	12	18	0	0	3	9	18	1	2	1	1	3	7	9	5	2
			7	83	1013·4	+4·1	48·3	1·8	10·0	86	8·7	0	0	4	15	12	0	0	0	0	0	0	0	10	21	0	0	3	13	15	0	2	0	2	4	9	8	2	4
			13	83	1013·2	–	51·6	3·2	10·1	78	8·6	0	1	4	15	11	0	0	0	0	0	0	2	7	18	4	0	8	11	11	1	2	1	3	2	9	8	2	3
			18	83	1013·1	–	49·3	2·2	10·1	84	8·9	0	1	2	12	16	0	0	0	0	0	0	1	12	15	3	0	5	9	16	1	4	0	2	2	8	5	5	4
Caithness	Wick	.. ..	1	79	1013·2	–	48·5	1·7	10·2	87	7·6	0	3	8	8	12	0	0	0	0	0	1	2	4	24	0	0	0	8	23	0	0	2	0	2	4	8	6	9
			7	79	1013·2	+3·7	47·7	1·5	10·0	89	8·2	0	1	5	11	14	0	0	0	0	0	0	2	3	26	0	0	0	9	20	2	0	1	1	2	5	6	9	5
			13	79	1013·3	–	52·6	3·4	10·4	77	7·6	0	2	7	11	11	0	0	0	0	0	0	3	1	27	0	0	0	13	18	0	1	0	1	1	5	9	3	6
			18	79	1012·8	–	49·4	1·9	10·4	86	8·0	0	1	4	14	12	0	0	0	0	0	0	2	5	24	0	0	1	9	21	0	2	0	1	2	8	7	8	3
Inverness	Dalwhinnie†	..	7	1180	972·2	–	40·7	0·8	8·0	93	7·9	0	5	3	7	16	0	1	0	0	1	2	1	15	11	0	0	1	4	20	6	1	2	0	0	10	10	0	2
			13	1180	971·9	–	48·9	3·0	9·2	78	8·3	1	2	4	5	19	0	0	0	0	1	0	3	10	17	0	0	1	9	19	2	2	3	0	0	10	9	3	2
			18	1180	972·0	–	44·7	1·4	8·9	88	7·7	1	4	4	6	16	0	0	0	0	0	2	2	14	13	0	0	1	5	20	5	3	1	0	0	11	6	2	3
Inverness	Inverness	.. ..	9	250	1013·9	–	47·1	1·6	9·6	87	4·7	0	10	16	4	1	0	0	0	0	0	1	3	0	4	23	0	1	5	24	1	0	0	3	10	4	12	1	0
			17	250	1014·1	–	49·7	2·2	10·2	84	5·3	0	5	20	4	2	0	0	0	0	0	1	3	0	6	21	0	0	7	24	0	0	0	6	11	2	8	2	2
1 SCOTLAND, E.																																							
Aberdeen	Aberdeen	H	7	85	1014·4	+3·6	47·4	2·0	9·5	86	6·9	1	6	5	8	11	0	0	0	0	2	3	5	8	13	0	0	0	2	23	6	1	0	1	1	4	6	3	9
			13	85	1014·0	+3·0	53·0	3·7	10·3	76	6·9	0	8	4	19	10	0	0	0	0	1	2	8	9	8	3	0	0	8	22	1	2	0	3	4	7	4	2	8
			18	85	1014·0	+2·8	50·7	2·4	10·5	83	6·8	0	8	4	8	11	0	0	0	0	3	5	13	9	1	0	0	0	3	26	2	2	0	1	2	9	6	2	7
			21	85	1014·3	+3·0	49·2	2·0	10·2	85	6·1	3	9	2	5	12	0	0	0	2	1	3	16	6	3	0	0	0	1	28	2	2	0	1	3	4	7	3	9
			h.*	85	1014·1	+3·1	49·7	2·4	10·1	83																													
Aberdeen	Braemar‡	.. ..	9	1108	1015·8	–	43·5	1·7	8·2	86	6·6	6	4	1	5	15	0	0	0	1	3	3	11	10	3	0	0	1	1	19	10	0	3	2	0	0	11	4	1
Perth	Crieff	.. ..	9	482	1014·3	–	46·9	1·8	9·3	86	8·5	1	1	4	5	20	–	–	–	–	–	–	–	–	–	–	0	0	2	29	0	2	1	9	3	0	4	9	3
			21	482	1014·2	–	47·2	1·7	9·6	87	6·6	7	2	2	5	15	–	–	–	–	–	–	–	–	–	–	0	0	1	30	0	2	2	10	1	1	3	10	2
Fife	Inchkeith	.. ..	1	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			7	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			13	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			18	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife	Leuchars	H	7	36	1014·9	–	44·6	1·0	9·4	92	7·5	1	4	5	8	13	0	2	1	0	2	2	6	8	6	4	0	0	2	24	5	2	1	1	2	0	8	9	3
			13	36	1014·4	–	53·5	3·5	10·8	77	7·6	1	2	6	12	10	0	0	0	0	3	1	7	4	12	4	0	0	7	21	3	3	3	7	1	1	3	7	3
			18	36	1014·2	–	50·0	2·1	10·5	85	7·0	0	8	1	12	10	0	0	0	0	0	2	8	8	8	5	0	1	5	21	4	2	3	5	2	3	5	6	1
Mid Lothian	Edinburgh (Blackford Hill)	..	9	441	1015·4	–	47·7	1·9	9·7	85	7·3	0	7	5	4	15	0	0	0	7	1	9	10	2	2	0	0	1	6	20	4	0	5	1	3	1	5	9	3
			21	441	1014·9	–	48·1	1·7	9·9	87	7·2	1	6	3	6	15	0	1	0	0	2	12	12	1	3	0	0	1	5	19	6	0	2	4	3	3	6	6	1
6a SCOTLAND, W.																																							
Argyll	Tiree	.. ..	7	40	1014·1	–	48·8	2·2	9·9	83	8·3	0	1	4	14	12	0	0	0	0	0	0	4	7	11	9	0	1	10	17	3	5	2	4	1	2	5	6	3
			13	40	1014·3	–	52·9	3·8	10·3	74	7·8	0	2	6	15	8	0	0	0	0	0	0	2	9	12	8	0	2	14	15	0	7	3	2	2	5	5	5	2
			18	40	1014·0	–	50·3	2·8	9·9	80	7·5	0	2	7	13	9	0	0	0	0	0	1	4	9	13	4	0	2	15	13	1	7	3	0	3	4	3	6	4
Bute	Rothesay	.. ..	9	187	1014·4	–	49·2	1·9	10·2	86	6·5	0	8	4	15	4	0	0	0	0	1	2	10	5	13	0	1	0	14	14	2	1	2	12	0	2	2	4	6
			21	187	1014·2	–	48·3	1·4	10·2	89	7·2	0	8	1	10	12	0	0	0	0	1	1	6	18	5	0	0	2	14	13	2	2	2	7	0	4	0	5	9
Renfrew	Renfrew (Abbotsinch)	.. ..	7	24	1015·1	–	43·0	0·7	9·2	94	7·5	2	5	1	7	16	1	3	3	0	5	2	1	6	9	1	0	0	1	19	11	0	4	5	0	1	5	4	1
			13	24	1014·5	–	52·2	2·9	10·8	81	7·5	3	3	2	11	12	0	0	1	4	3	2	5	4	7	5	0	0	9	17	5	1	4	3	0	1	4	6	7
			18	24	1014·5	–	49·3	1·7	10·6	88	6·9	2	7	2	10	10	0	0	1	2	4	5	6	4	8	1	0	0	5	20	6	0	4	4	1	0	5	9	2
Dumfries	Eskdalemuir‡‡	H	7	778	1015·3	–	43·0	1·0	8·7	92	7·7	1	5	1	9	15	0	2	1	1	0	3	8	7	9	0	0	0	4	18	9	6	6	1	0	2	4	1	2
			13	778	1014·3	–	51·3	3·2	10·2	79	8·1	0	3	5	7	16	0	0	0	0	1	3	7	8	12	0	0	1	10	19	1	4	5	1	4	6	5	5	0
			18	778	1014·8	–	47·3	1·5	9·8	88	7·7	0	6	2	8	15	0	0	0	0	2	3	10	12	4	0	0	0	6	21	4	7	3	1	1	2	8	3	2
			21	778	1015·2	–	45·5	1·2	9·4	91	7·2	2	6	2	6	15	0	0	0	0	2	4	10	11	4	0	0	0	6	19	6	8	5	1	1	3	4	3	0
			h.*	778	1014·9	–	46·6	1·6	9·5	88																													
6b ISLE OF MAN																																							
Isle of Man	Douglas	H	9	286	1015·2	+2·8	50·8	2·1	11·0	86	6·3	3	0	2	11	18	0	0	0	0	0	3	18	10	0	0	0	5	16	9	1	4	7	4	2	0	4	4	5
Isle of Man	Point of Ayre	..	7	31	1014·5	–	49·8	1·6	10·8	88	7·4	1	4	2	13	11	0	0	0	1	1	0	1	9	19	0	0	3	11	16	1	3	1	7	2	4	3	5	5
			13	31	1014·7	–	54·9	2·8	12·1	81	7·5	1	5	3	11	11	0	0	0	0	0	0	3	5	23	0	0	1	17	12	1	2	2	5	2	6	1	6	6
			18	31	1014·5	–	52·4	2·2	11·2	85	7·1	1	7	2	13	8	0	0	0	0	0	0	3	6	23	0	0	2	15	13	1	5	2	6	1	2	3	7	4
2 ENGLAND, N.E.																																							
Northumberland	Cockle Park	..	9	331	1015·3	–	50·2	2·0	10·5	86	8·4	0	3	3	9	16	0	0	0	2	3	5	7	0	11	3	0	0	4	19	8	3	1	1	4	2	4	3	5
			21	331	1015·4	–	47·8	1·4	10·2	89	8·1	0	4	3	9	15	0	2	0	3	2	5	7	0	11	1	0	1	2	20	8	2	0	1	4	3	3	4	6
Northumberland	Tynemouth	..	1	122	1014·9	–	49·3	1·6	10·4	88	7·8	2	3	3	8	15	0	0	0	3	0	2	15	11	0	0	0	1	1	28	1	2	0	3	2	3	7	9	4
			7	122	1014·9	+3·3	48·6	1·3	10·7	91	8·0	0	2	5	13	11	0	0	1	4	3	1	12	10	0	0	0	0	4	26	1	3	1	4	0	5	5	7	5
			13	122	1014·7	–	53·4	3·0	10·9	79	7·9	0	0	7	17	7	0	0	0	2	1	1	13	8	6	0	0	1	4	26	0	8	3	2	4	3	5	5	1
			18	122	1014·6	–	52·3	2·6	10·8	82	7·5	0	1	9	13	8	0	0	0	3	1	0	14	11	2	0	0	0	3	28	0	6	4	4	1	5	6	5	0

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 974·1 mb. mb. at 7 h., 985·9 mb. at 13 h., 986·1 mb. at 18 h., and 986·5 mb. at 21 h.
‡‡ Mean pressures at Station Level are 986·4

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, 1937

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								
												NO. OF OBSERVATIONS[1]					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY												
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																									
Durham	Durham ..	..	9	352	1015·5		49·7	1·8	10·7	87	7·7	0	7	2	4	18	0	2	1	2	7	4	9	4	2	0	0	0	3	23	5	4	1	3	1	8	4	1	4
			21	352	1015·5	-	47·5	1·1	10·9	91	7·2	6	2	1	2	20	1	1	2	2	2	6	5	12	0	0	0	0	0	22	9	4	1	3	0	5	3	5	1
Yorks., N. Riding	Catterick ..	H	7	186	1015·2	-	46·0	1·2	9·8	91	8·4	0	3	3	11	14	0	3	2	3	3	1	6	6	5	2	0	0	1	25	5	5	2	0	3	7	2	2	5
			13	186	1014·8	-	54·2	4·4	10·4	73	8·3	1	2	3	11	14	0	0	1	1	1	3	8	6	9	2	0	0	8	20	3	4	6	2	1	6	3	3	3
			18	186	1015·0	-	50·0	2·2	10·4	84	7·8	1	4	2	13	11	0	0	1	3	4	2	3	13	5	0	0	0	0	25	6	5	3	1	2	7	2	4	1
Yorks., N. Riding	Scarborough ..		9	96	1015·6	-	52·3	1·8	11·6	88	6·9	0	9	2	10	10	0	0	2	0	7	1	12	5	4	0	1	1	5	24	0	5	1	0	6	2	6	2	9
	York		9	53	1015·9	-	50·0	1·8	10·7	87	7·8	0	7	0	6	18	-	-	-	-	-	-	-	-	-	-	0	0	0	31	0	9	0	2	3	7	1	7	2
			21	53	1015·7	-	49·2	1·6	10·4	88	7·0	7	2	0	4	18	-	-	-	-	-	-	-	-	-	-	0	0	0	28	3	10	0	1	1	8	0	7	1
Yorks., E. Riding	Spurn Head ..		1	28	1015·1	-	51·7	0·3	13·0	98	5·4	7	6	4	6	8	0	0	1	2	1	4	7	11	5	0	0	1	17	11	2	2	3	5	3	4	3	4	5
			7	28	1014·7	+2·7	51·0	0·3	12·5	98	7·8	2	2	4	7	16	0	2	1	2	1	6	7	9	3	0	0	2	18	8	3	3	5	2	3	5	0	4	6
			13	28	1015·0	-	56·4	1·5	13·8	91	7·6	1	3	5	13	9	0	0	0	1	1	4	10	14	1	0	0	4	13	14	0	5	3	4	4	4	3	4	4
			18	28	1015·0	-	53·4	0·6	13·1	96	7·5	1	2	7	6	15	0	0	0	1	1	5	13	7	4	0	0	3	13	15	0	5	5	4	4	4	3	5	1
Lincoln	†Cranwell ..	H	7	208	1015·4	-	46·5	0·6	10·3	95	8·9	0	1	1	12	17	0	6	0	3	2	3	12	4	1	0	0	0	5	23	3	5	2	1	7	1	2	6	4
			13	208	1015·2	-	55·8	4·3	11·1	74	8·0	0	2	5	17	7	0	0	0	0	1	2	11	9	7	1	0	0	10	21	0	6	4	1	5	7	3	3	2
			18	208	1015·4	-	50·5	2·1	10·7	85	7·6	0	5	3	15	8	0	0	0	3	0	4	11	12	1	0	0	0	2	27	2	4	7	2	3	5	3	5	0
3 ENGLAND, E.																																			
Norfolk	Cromer ..	H	9	74	-	-	54·2	2·2	12·3	86	6·7	2	1	13	5	10	0	0	1	0	0	2	28	0	0	0	0	1	7	23	0	5	1	3	5	9	1	4	3
Norfolk	Yarmouth ..	..	1	26	1015·1	-	52·3	1·3	12·0	91	6·3	3	5	6	10	7	0	1	0	0	0	5	14	11	0	0	1	1	7	22	0	3	4	2	4	4	6	4	4
			7	26	1014·9	+2·2	51·1	1·8	11·1	87	8·1	0	1	6	14	10	0	2	0	0	0	6	16	7	0	0	0	4	6	18	3	4	5	0	6	3	2	5	3
			13	26	1015·2	-	56·6	3·5	12·4	78	7·4	0	0	10	16	5	0	0	0	0	0	2	20	9	0	0	0	4	11	16	0	5	4	2	8	2	3	3	4
			18	26	1015·1	-	54·4	2·7	11·7	82	7·6	0	2	8	15	6	0	0	0	0	0	3	21	6	1	0	0	3	8	17	3	2	5	4	3	7	3	1	3
Suffolk	Felixstowe Aero.		7	20	1015·2	-	51·0	1·7	11·2	88	8·1	0	1	3	20	7	1	2	0	0	0	6	8	8	6	0	0	2	7	21	1	7	4	1	4	4	2	4	4
			13	20	1015·3	-	57·3	4·4	11·9	73	7·4	1	2	6	16	6	0	0	0	0	0	3	6	10	11	1	0	2	8	21	0	3	7	3	3	5	3	4	3
			18	20	1015·3	-	54·0	2·6	11·8	83	6·9	1	6	3	13	8	0	0	0	2	3	4	10	9	3	0	0	2	5	24	0	5	7	3	4	6	2	3	1
Suffolk	Mildenhall ..		7	21	1015·0	-	47·2	0·7	10·6	95	8·4	0	2	2	14	13	0	7	1	0	2	1	9	3	8	0	0	1	5	24	1	2	6	1	6	4	4	3	4
			13	21	1014·9	-	57·1	4·0	12·1	76	7·7	1	0	8	17	5	0	0	0	1	2	1	7	7	12	1	0	1	15	15	0	5	5	1	4	5	4	3	4
			18	21	1014·9	-	52·1	1·8	11·7	87	6·9	1	7	4	9	10	0	0	0	1	5	3	8	6	8	0	0	0	5	25	1	4	6	3	4	6	2	4	1
Cambridge	Cambridge	H	9	43	1015·5	+1·8	51·8	1·8	11·5	87	6·6	5	4	4	3	15	-	-	-	-	-	-	-	-	-	-	0	0	3	27	1	3	9	0	4	3	4	2	5
			21	43	1015·1	+1·5	49·6	1·6	10·9	89	4·8	14	1	2	3	11	-	-	-	-	-	-	-	-	-	-	0	0	1	24	6	2	6	0	6	3	4	0	4
Hertford	Rothamsted ..		9	396	1015·0	-	50·6	1·4	11·5	90	7·5	1	6	1	15	8	0	2	0	1	5	7	16	0	0	0	0	0	3	25	3	8	4	2	4	1	0	5	4
Essex	Shoeburyness	H	7	12	1015·1	-	49·9	1·4	11·2	90	8·5	0	0	4	18	9	0	2	0	1	6	2	7	4	9	0	0	1	5	23	2	8	2	0	4	4	1	3	7
			13	12	1015·1	-	58·0	4·3	12·3	75	7·4	0	2	9	13	7	0	0	0	0	1	1	9	8	12	0	0	1	10	19	1	5	7	2	2	5	2	3	4
			18	12	1015·1	-	53·3	2·2	11·9	85	7·0	2	6	2	12	9	0	0	0	2	5	3	6	11	4	0	0	1	5	20	5	4	6	2	3	6	2	1	2
4 MIDLAND COUNTIES																																			
Yorks., W. Riding	Harrogate ..	..	9	478	1015·6	-	48·6	1·6	10·2	88	8·3	0	4	1	11	15	1	2	4	1	3	9	5	3	3	0	0	0	3	27	1	5	3	3	1	5	7	6	0
Nottingham	Nottingham ..		9	215	1015·0	-	50·6	2·3	10·7	84	8·4	2	0	4	7	18	0	2	3	3	6	3	14	0	0	0	0	0	3	28	0	8	2	3	1	5	2	8	2
Warwick	Birmingham	H	7	542	1015·2	-	47·3	1·0	10·3	92	8·7	0	0	4	10	17	0	4	2	2	6	6	4	1	6	0	0	0	3	27	1	5	6	1	5	4	2	4	3
			13	542	1015·0	-	53·2	3·9	10·2	75	8·2	0	1	8	8	14	0	0	1	2	3	7	11	2	5	0	0	0	2	29	0	4	6	2	4	2	7	2	4
			18	542	1014·8	-	51·9	3·0	10·5	79	6·2	5	5	3	7	11	0	0	0	1	9	11	7	3	0	0	0	0	1	30	0	3	8	4	5	2	4	2	3
Oxford	Oxford ..	..	9	212	1015·8	+1·5	50·0	1·8	10·7	87	7·9	0	6	0	5	20	0	3	2	2	5	3	9	5	2	0	0	0	3	26	2	8	6	1	2	5	2	3	2
Shropshire	Shrewsbury	H	9	186	1015·2	-	48·2	1·4	10·7	92	8·1	0	2	7	3	19	0	0	4	2	4	2	10	1	8	0	0	0	4	14	13	3	0	1	3	6	0	5	0
Hereford	Ross-on-Wye	H	7	226	1014·9	-	47·0	1·1	10·2	92	8·5	0	3	3	6	19	0	2	2	6	5	4	5	3	3	1	0	0	4	22	5	4	4	4	1	4	3	4	2
			13	226	1014·6	-	54·8	4·1	10·8	74	7·3	0	4	9	8	10	0	0	0	1	4	5	6	8	7	0	0	0	3	28	0	5	7	2	2	3	3	5	4
			18	226	1014·5	-	51·7	2·5	10·9	83	6·6	2	9	0	7	13	0	0	1	2	5	7	8	3	3	2	0	0	3	28	0	3	6	6	4	1	4	4	3
			21	226	1014·8	-	48·2	1·4	10·3	89	6·2	8	3	2	5	13	0	2	3	3	7	2	9	3	2	0	0	0	2	24	5	3	6	5	1	3	5	2	1
Gloucester	Cheltenham	H	9	230	1015·9	-	50·8	2·0	10·7	85	7·9	1	3	4	10	13	0	0	0	4	4	7	4	11	1	0	0	0	0	24	7	4	2	0	0	5	3	6	4
			21	230	1014·9	-	50·0	1·4	11·0	89	6·7	2	4	9	8	8	0	0	0	2	1	4	6	17	1	0	0	0	0	27	4	5	0	0	1	4	4	5	8
5 ENGLAND, S.E.																																			
London	*g* Greenwich	H	9	152	1015·5	+1·2	52·2	1·9	11·6	87	8·1	0	3	3	12	13	2	0	1	2	9	6	11	0	0	0	0	0	7	21	3	9	5	1	2	4	3	3	1
			15	152	1014·5	+0·9	57·4	5·0	11·2	70	6·5	2	6	5	9	9	0	0	1	1	4	6	16	3	0	0	0	0	10	20	1	7	5	3	2	5	4	4	0
			21	152	1015·3	+1·0	50·6	1·6	11·2	89	5·4	6	7	2	6	10	1	0	0	4	3	9	13	0	1	0	0	0	3	25	3	4	5	2	3	8	2	2	2
			h.*	152	1015·1	+1·1	52·0																														
London	Kew Obs'y.	H	7	34	1015·1	+1·1	49·6	1·4	11·0	91	8·6	1	2	1	11	16	0	6	2	1	1	8	8	4	0	1	0	0	4	23	4	5	7	2	3	3	2	3	2
			13	34	1014·9	+1·1	57·1	4·9	11·3	71	7·8	2	2	3	15	9	0	0	1	0	2	3	13	9	3	0	0	0	8	23	0	5	6	2	2	6	4	2	4
			18	34	1014·8	+0·8	53·7	3·0	11·4	81	7·1	3	5	0	11	12	1	0	0	3	3	10	11	3	0	0	0	0	1	27	3	3	6	4	2	6	3	2	2
			21	34	1015·2	+0·9	50·9	1·7	11·3	89	6·2	7	3	4	4	13	0	6	1	0	2	4	13	5	0	0	0	0	1	27	3	4	5	2	7	3	4	1	2
			h.*	34	1015·0	+1·0	52·4	2·6	11·3	84																												
London	Kensington ..		9	66	1015·5	-	52·2	1·9	11·5	86	8·0	0	0	8	13	10	0	1	1	2	8	11	8	0	0	0	0	0	2	29	0	2	11	2	4	3	5	1	3
			15	—	-	-	57·5	5·0	11·3	70	6·9	0	3	10	15	3	-	-	-	-	-	-	-	-	-	-	0	0	5	26	0	2	10	1	4	2	6	1	5
			18	—	-	-	55·0	3·2	11·7	79	6·5	5	2	6	7	11	-	-	-	-	-	-	-	-	-	-	0	0	3	28	0	4	7	2	2	3	7	2	4
Surrey	Croydon ..	H	1	225	1015·3	-	49·0	1·2	10·8	91	6·5	5	4	4	7	11	2	0	0	1	7	4	10	3	3	1	0	0	2	24	5	4	4	2	4	6	2	2	2
			7	225	1015·2	-	48·6	1·1	11·0	92	8·4	0	3	2	12	14	2	2	2	2	4	2	10	2	5	0	0	1	4	18	8	4	5	2	2	5	1	3	1
			13	225	1015·0	-	57·5	4·6	11·9	73	8·2	0	3	2	18	8	0	0	0	2	2	3	14	4	6	0	0	0	6	24	1	4	5	3	2	6	4	2	4
			18	225	1014·8	-	53·4	2·7	11·6	83	6·5	2	8	3	9	9	0	0	2	1	11	12	5	0	0	0	0	0	3	25	3	1	5	7	1	8	2	2	2
Surrey	Wisley ..	..	9	85	1015·0	-	51·7	2·0	11·3	86	7·9	0	3	5	9	14	1	1	1	5	4	0	14	5	0	0	0	0	1	21	9	1	9	1	0	3	5	1	2

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	TEMPERATURE AND HUMIDITY: Vapour Pressure	TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations — Fog 0	Fog 1	Fog 2	Fog 3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility 7	Good Visibility 8	Good Visibility 9	WIND, NUMBER OF OBSERVATIONS — FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5 ENGLAND, S.E.—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Kent — Biggin Hill H	7	572	1015·3	–	48·9	1·1	10·9	92	8·4	0	4	1	10	16	1	3	3	1	1	4	10	6	2	0	0	1	7	19	4	6	4	1	5	5	1	4	1
	13	572	1015·0	–	55·8	4·1	11·3	75	7·1	1	4	6	14	6	0	0	1	2	2	2	11	8	5	0	0	1	13	16	1	4	7	1	4	4	4	4	2
	18	572	1015·1	–	51·3	2·0	11·1	86	6·8	0	7	5	9	10	0	1	0	1	2	4	15	7	1	0	0	2	3	21	5	2	8	2	4	5	4	1	0
Kent — Dungeness ..	7	—	–	–	52·1	2·0	11·4	86	7·6	1	2	7	16	5	0	0	1	1	2	4	12	11	0	0	0	5	4	20	2	6	4	2	2	4	5	1	5
	13	—	–	–	58·7	2·6	14·2	84	7·1	0	2	9	17	3	0	0	0	0	0	3	12	16	0	0	1	2	8	20	0	4	8	4	2	5	6	1	1
	18	—	–	–	56·7	1·4	14·3	91	6·9	0	5	7	13	6	0	0	0	0	0	3	15	13	0	0	1	2	5	22	1	4	6	4	2	6	4	1	3
Kent — Lympne .. H	1	345	1015·5	–	50·2	1·4	11·1	89	5·7	3	9	2	11	6	0	0	0	0	0	0	9	7	6	9	0	0	8	22	1	7	5	0	4	6	1	1	6
	7	345	1015·3	–	50·1	1·3	11·2	90	8·3	0	2	2	16	11	0	0	1	0	2	9	9	6	4	0	0	1	7	23	0	8	5	3	4	3	2	1	5
	13	345	1015·3	–	56·7	4·2	11·6	74	7·4	0	0	9	17	5	0	0	0	0	0	4	11	3	11	2	0	0	10	21	0	6	6	3	3	5	3	2	3
	18	345	1016·0	–	52·6	2·4	11·4	84	6·6	2	6	3	16	4	0	0	0	0	2	6	11	6	6	0	0	1	3	27	0	8	6	3	3	4	2	2	3
Kent — Manston	1	141	1015·0	–	51·7	2·0	11·4	87	5·9	5	2	8	9	7	0	0	0	1	2	8	7	3	10	0	0	0	7	21	3	3	6	2	2	6	3	3	3
	7	141	1014·9	–	51·5	1·6	11·6	88	8·2	0	1	4	16	10	0	1	0	0	3	4	9	7	7	0	0	2	7	21	1	6	5	4	1	8	1	4	1
	13	141	1015·0	–	56·9	4·1	11·9	75	8·0	0	3	1	20	7	0	0	0	0	1	2	12	6	10	0	0	1	14	16	0	4	6	2	4	7	0	4	4
	18	141	1014·9	–	53·1	2·6	11·5	82	6·9	2	5	4	12	8	0	0	0	0	5	6	9	4	7	0	0	2	4	24	1	4	8	1	2	7	3	4	1
Kent — Tunbridge Wells ..	9	407	1015·8	–	51·3	0·8	12·2	94	6·8	2	5	5	9	10	0	0	0	1	5	3	11	8	3	0	0	1	6	24	0	1	12	0	3	3	4	2	6
Sussex — Brighton .. H	9	48	1015·8	–	54·6	2·7	12·0	83	7·0	1	6	3	10	11	0	0	0	1	2	6	15	2	5	0	0	2	3	26	0	6	7	6	1	5	2	2	2
Sussex — Hastings .. H	9	154	1015·5	–	54·9	2·4	12·3	84	6·6	1	8	4	6	12	0	0	0	0	2	6	10	6	6	1	0	2	6	22	1	7	7	1	3	4	3	1	4
	21	154	1015·6	–	53·1	1·9	12·0	86	5·0	10	5	2	4	10	0	0	0	0	5	10	8	0	8	0	0	2	2	27	0	9	7	1	3	4	2	0	5
Hampshire — Calshot	7	15	1014·7	–	50·7	1·1	11·6	92	7·1	0	8	2	11	10	2	0	0	2	1	4	14	5	3	0	0	2	4	24	1	10	3	1	4	2	1	3	6
	13	15	1014·8	–	58·5	4·2	12·5	75	6·6	0	6	8	10	7	0	0	0	0	0	3	10	12	6	0	0	3	9	17	2	6	4	3	6	3	2	2	3
	18	15	1014·5	–	55·3	2·4	12·6	85	6·3	1	10	2	10	8	0	0	0	2	2	1	16	9	1	0	0	1	4	24	2	9	3	5	4	1	4	2	1
Hampshire — Southampton ..	9	84	1015·6	+1·2	53·0	2·3	11·6	85	7·4	1	0	12	8	10	0	2	0	1	4	5	14	5	0	0	0	2	15	1	3	1	4	1	4	1	4	1	4
	21	84	1015·3	+1·0	52·6	2·2	11·5	85	5·2	13	0	3	3	12	0	2	1	5	11	4	6	2	0	0	0	2	2	25	2	3	10	3	4	1	4	0	4
Hampshire — *S. Farnborough † H	7	231	1014·9	–	47·3	0·8	10·6	94	8·7	1	2	0	11	17	1	5	0	2	3	4	9	6	1	0	0	0	4	21	6	7	3	3	4	3	0	4	1
	13	231	1014·8	–	57·4	4·6	11·7	73	7·9	0	2	6	13	10	0	0	0	0	1	6	4	14	5	1	0	0	7	23	1	4	6	2	4	4	2	3	5
	18	231	1014·5	–	52·8	2·2	11·6	85	6·9	1	6	4	12	8	0	0	1	1	6	8	11	4	0	0	0	0	2	18	11	2	5	3	4	5	0	1	0
I. of Wight — Ventnor (Hosp.)	9	80	1014·7	–	55·4	2·9	12·2	81	6·6	1	3	11	7	9	–	–	–	–	–	–	–	–	–	–	0	2	7	22	0	5	6	4	4	1	3	4	4
	15	80	1013·8	–	58·1	4·1	12·5	75	6·6	3	3	7	9	9	–	–	–	–	–	–	–	–	–	–	0	2	4	25	0	2	10	5	1	1	5	3	4
Wiltshire — Amesbury H (Boscombe Down)	7	420	1015·1	–	46·8	0·7	10·5	95	7·6	1	5	2	9	14	0	4	3	1	0	5	5	11	2	0	0	2	1	25	3	6	5	6	1	3	2	2	3
	13	420	1014·7	–	56·1	4·4	11·2	73	7·2	0	5	5	13	8	0	0	0	0	0	3	7	16	5	0	0	1	8	22	0	5	6	4	4	5	4	2	1
	18	420	1014·3	–	51·8	2·3	11·1	85	6·5	2	6	4	10	9	0	0	0	1	1	1	12	15	1	0	0	1	1	26	3	4	6	3	4	5	3	0	3
Wiltshire — Larkhill .. H	9	444	1015·6	–	50·1	1·4	11·1	90	8·1	0	5	2	9	15	0	0	1	2	4	1	10	8	5	0	0	0	5	22	4	5	7	5	2	4	0	3	1
	13	444	1014·9	–	55·9	4·4	11·1	73	7·3	1	5	2	12	11	0	0	0	0	1	0	9	11	10	0	0	1	9	21	0	4	9	2	3	5	4	3	1
	15	444	1014·5	–	55·6	4·5	10·9	73	7·1	0	6	3	13	9	0	0	0	0	1	0	6	13	11	0	0	2	5	24	0	4	8	2	3	5	4	2	3
7a ENGLAND, N.W.																																					
Lancashire — Hutton	9	86	1013·5	–	50·8	1·7	11·1	88	6·8	0	4	6	20	1	–	–	–	–	–	–	–	–	–	–	0	0	1	16	14	1	6	2	1	2	3	1	1
Lancashire — Manchester H (Barton)	7	83	1015·0	–	45·4	1·0	9·7	92	7·5	1	6	3	6	15	2	4	1	4	4	6	6	3	1	0	0	0	5	20	6	1	9	3	4	3	1	2	2
	13	83	1014·9	–	55·6	4·7	10·9	71	7·8	2	1	3	16	9	0	0	0	2	2	6	9	9	3	0	0	0	8	22	1	1	7	3	2	4	4	7	2
	18	83	1014·9	–	51·4	2·4	10·9	84	7·1	3	3	5	9	11	0	0	0	5	6	10	8	2	0	0	0	0	3	25	3	0	8	3	3	3	2	5	4
Lancashire — Manchester (Whitworth Pk.)	9	127	1015·0	–	50·7	2·5	10·4	82	7·4	2	4	2	12	11	–	–	–	–	–	–	–	–	–	–	0	0	1	28	2	0	5	6	3	5	3	5	2
	21	127	1015·0	–	50·5	2·1	10·7	85	7·4	2	4	4	7	14	–	–	–	–	–	–	–	–	–	–	0	1	0	28	2	2	5	6	4	4	3	4	1
Lancashire — Southport* H (Bedford Rd. Park)	9	37	1015·2	+2·1	50·7	2·3	10·7	84	7·5	2	4	2	7	16	0	0	0	0	6	13	3	1	8	0	0	1	10	20	0	1	4	7	8	4	1	2	4
	15	37	1014·5	–	55·1	4·0	11·1	75	6·8	2	6	2	8	13	0	0	0	0	2	9	3	5	11	1	0	0	10	21	0	1	3	5	3	5	4	4	6
	21	37	1015·0	+2·0	49·6	1·6	10·7	88	7·6	3	3	2	8	15	0	0	0	0	8	12	3	4	4	0	0	1	7	22	1	1	4	7	7	2	1	6	2
Lancashire — Stonyhurst ..	9	381	1015·8	–	49·3	1·9	10·3	86	7·0	1	6	4	7	13	0	0	0	0	3	3	15	9	1	0	0	1	2	27	1	5	10	1	0	4	2	5	3
	21	381	1016·7	–	48·4	1·4	10·3	89	6·4	8	3	1	3	16	0	2	0	1	4	2	7	15	0	0	0	0	2	24	5	4	9	2	2	1	1	5	2
Cheshire — Bidston Obs'y. ..	9	202	1015·7	–	50·4	2·4	10·3	83	8·5	0	2	4	9	16	0	1	2	3	12	9	1	0	3	0	0	0	7	21	3	1	3	7	4	5	1	3	4
7b NORTH WALES.																																					
Flint — Sealand .. H	7	19	1014·8	–	45·4	1·1	9·6	91	7·7	1	4	3	8	15	0	5	1	1	6	5	8	3	2	0	0	1	3	21	6	1	1	4	9	2	0	5	3
	13	19	1014·8	–	55·2	4·4	10·8	73	8·3	0	2	4	13	12	0	0	0	1	1	9	9	4	7	0	0	0	7	22	2	2	4	3	8	1	2	6	3
	18	19	1014·8	–	51·4	2·4	10·9	83	7·5	3	1	4	11	12	0	0	0	2	8	5	10	6	0	0	0	0	2	26	3	0	6	3	5	0	1	6	7
Anglesey — Holyhead .. H	1	29	1014·3	–	52·3	2·2	11·5	85	6·3	3	7	3	5	13	0	0	0	0	0	0	6	8	17	0	1	2	11	16	1	6	2	8	3	3	3	3	2
	7	29	1014·3	+2·2	51·3	2·3	10·9	85	7·5	0	4	7	8	12	0	0	0	0	0	0	8	6	10	7	0	2	10	17	2	2	3	8	4	1	3	4	4
	13	29	1014·5	–	55·1	3·6	11·4	77	7·3	0	5	4	12	10	0	0	0	0	0	0	5	8	13	5	0	2	14	14	1	5	2	6	1	4	4	6	2
	18	29	1014·4	–	52·9	2·6	11·3	82	7·5	1	4	3	13	10	0	0	0	0	0	1	5	11	12	2	0	1	14	15	1	4	5	6	1	3	5	4	2
Carnarvon — Llandudno ..	9	33	1015·3	–	52·1	3·0	10·5	79	7·4	3	3	0	21	4	0	0	0	0	1	4	4	3	17	2	0	0	1	30	0	4	2	6	3	6	2	7	1
8a SOUTH WALES.																																					
Cardigan — Ciliau Aeron ..	9	256	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pembroke — St. Ann's Head ..	1	152	1014·5	–	52·1	2·0	11·4	86	6·5	1	5	9	9	7	0	1	0	0	0	2	3	15	10	0	2	0	5	24	0	4	7	9	2	2	3	0	4
	7	152	1014·1	+1·7	51·6	2·1	11·1	85	7·2	0	4	6	19	2	0	0	0	0	1	3	4	15	8	0	0	3	4	24	0	1	8	8	3	2	2	2	5
	13	152	1014·5	–	56·1	3·7	11·8	77	7·4	0	4	5	18	4	0	0	0	0	0	1	6	11	13	0	1	1	6	22	1	3	3	5	5	5	3	2	4
	18	152	1014·2	–	53·0	2·5	11·4	83	7·6	1	4	3	15	8	0	0	0	0	0	3	4	15	9	0	2	1	5	22	1	6	8	3	3	1	1	5	3

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside. † New Site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	NO. OF OBSERVATIONS: 0	1 to 3	4 to 6	7 to 10
8a SOUTH WALES—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%					
Radnor	Llandrindod Wells	9	725	1017·1	-	50·0	2·5	10·1	82	8·1	0	1	8	9 13
	Rhayader	9	—	-	-	47·5	1·7	9·7	87	8·9	0	2	2	5 22
Glamorgan	Cardiff	9	203	1015·5	-	51·1	2·2	10·8	84	8·0	1	4	1	8 17
		21	203	1014·8	-	50·5	2·3	10·5	84	5·9	8	1	5	10 7
8b ENGLAND, S.W.														
Somerset	Bath	9	113	1015·2	-	51·4	1·7	11·4	88	8·4	0	3	3	7 18
Dorset	Holton Heath H	9	58	1015·3	-	52·2	1·8	11·8	88	7·1	4	3	3	6 15
		15	58	1014·0	-	56·8	3·7	12·2	77	6·6	3	2	9	7 10
Dorset	Portland Bill ..	1	37	1014·1	-	54·7	1·8	12·9	88	7·8	2	2	2	11 14
		7	37	1014·3	+1·6	53·4	1·5	12·5	90	8·0	2	1	4	10 14
		13	37	1013·8	-	57·9	2·4	14·0	85	7·7	1	3	2	16 9
		18	37	1013·5	-	56·4	2·3	13·3	85	6·5	1	7	5	10 8
Devon	Moretonhampstead	9	801	1015·0	-	49·6	1·6	10·8	88	7·5	0	4	5	15 7
		15	801	1013·8	-	53·4	3·4	10·8	77	7·3	0	5	6	11 9
Devon	Plymouth H	7	27	1014·2	-	51·5	2·2	11·1	85	7·7	0	5	2	13 11
	(Mount Batten) ..	13	27	1014·1	-	57·6	4·7	11·7	72	7·0	0	7	2	15 7
		18	27	1014·0	-	55·1	3·1	11·9	80	7·6	1	3	4	14 9
Cornwall	The Lizard ..	1	240	1014·0	-	52·6	1·7	12·0	88	6·9	2	5	5	8 11
		7	240	1013·8	-	51·8	1·7	11·5	88	8·1	1	1	4	15 10
		13	240	1014·2	-	57·2	4·1	11·9	75	7·1	0	5	6	11 9
		18	240	1014·0	-	53·4	2·5	11·6	83	7·6	0	5	6	9 11
Cornwall	Newquay ..	9	185	1014·0	-	53·5	2·5	11·6	83	6·2	2	7	5	7 10
9 IRELAND, N.														
Sligo	Markree Castle ..	9	127	1015·7	-	45·7	1·2	9·4	90	7·3	3	2	5	8 13
		21	127	1014·7	-	48·1	1·4	10·2	89	6·8	0	7	4	10 10
Mayo	Blacksod Point ..	1	28	1015·6	-	49·8	2·4	10·1	83	6·1	4	7	4	5 11
		7	28	1015·0	-	49·5	2·4	9·9	82	7·2	2	4	4	9 12
		13	28	1015·3	-	53·5	3·5	10·7	76	7·1	2	1	8	10 10
		18	28	1015·1	-	51·6	2·9	10·4	80	7·5	0	3	10	5 13
Donegal	Malin Head ..	1	87	1014·3	-	49·6	1·4	10·9	90	8·0	0	2	4	17 8
		7	87	1013·9	+3·9	49·1	1·6	10·5	88	8·6	0	0	3	20 8
		13	87	1014·5	-	52·7	2·2	11·5	85	8·2	0	2	3	19 7
		18	87	1014·1	-	51·1	1·6	11·4	89	8·7	0	0	4	17 10
Antrim	Aldergrove H	7	245	1015·2	-	44·5	1·1	9·3	92	7·7	1	5	1	10 14
		13	245	1015·1	-	52·7	3·2	10·7	79	7·9	1	3	3	14 10
		18	245	1014·9	-	49·4	1·9	10·4	86	7·4	0	6	3	16 6
Armagh	Armagh .. H	9	209	1015·5	+3·4	47·3	1·4	10·0	89	6·5	6	3	4	2 16
		21	209	1015·0	+2·9	46·1	0·9	10·0	93	5·2	11	2	3	3 12
10 IRELAND, S.														
Dublin	Glasnevin	9	56	1015·0	-	48·9	1·5	10·5	89	7·7	1	0	10	4 16
		21	56	1014·5	-	46·5	1·1	9·9	92	4·8	13	0	5	2 11
Offlay	Birr Castle ..	7	193	1015·0	+2·7	43·1	0·4	9·1	96	8·1	2	2	1	13 13
		13	193	1015·1	-	53·2	3·0	11·0	80	7·8	2	0	6	10 13
		18	193	1014·7	-	50·6	2·1	10·7	85	6·9	1	8	2	11 9
Waterford	Seskin, Carrick-on-Suir	9	521	1015·3	-	47·5	0·8	10·5	94	7·3	3	3	1	14 10
Kerry	Valentia H Observatory	7	45	1015·3	+3·1	49·6	2·5	9·9	82	7·7	1	3	4	13 10
		13	45	1015·5	+2·8	54·9	4·2	10·8	74	7·1	1	5	5	13 7
		18	45	1015·3	+2·6	52·5	2·9	10·8	81	7·7	0	5	3	12 11
		21	45	1015·6	+2·6	51·1	2·7	10·3	81	6·5	2	5	4	13 7
		h.*	45	1015·4	+2·8	51·6	2·9	10·4	80					
Cork	Roche's Point ..	7	24	1014·9	+2·2	49·6	1·3	10·9	90	7·9	1	2	4	12 12
		13	24	1014·8	-	55·1	3·0	11·9	80	6·9	0	5	7	15 4
		18	24	1014·9	-	52·2	1·7	11·7	88	7·1	1	4	6	12 8
11 CHANNEL I. & SCILLY														
Scilly	St. Mary's.. ..	1	199	1014·3	-	52·5	1·5	12·1	90	5·6	8	4	4	4 11
		7	199	1013·8	+1·3	52·2	1·5	12·0	90	7·4	0	4	6	11 10
		13	199	1014·2	-	56·9	3·1	12·8	80	6·9	2	5	3	14 7
		18	199	1014·3	-	53·2	2·0	12·0	86	7·2	1	5	4	14 7
Guernsey	St. Peter Port H	1	186	1014·5	-	54·9	2·0	12·9	87	6·9	4	4	4	7 12
		7	186	1014·4	-	54·1	1·9	12·5	87	8·1	1	1	3	14 12
		13	186	1014·2	-	58·4	3·9	12·9	77	7·5	0	5	6	9 11
		18	186	1014·1	-	55·5	2·5	12·7	84	7·3	0	7	3	12 9
GIBRALTAR .. .. H		7	400											
		13	400											
		18	400											
		21	400											
MALTA .. .. H		7	234	1015·9	-1·1	70·4	4·4	20·0	77	6·0	0	8	5	18 0
		13	234	1015·3	-	74·1	7·3	19·4	66	5·4	1	11	3	15 1
		18	234	1015·5	-	70·6	4·6	20·0	77	4·6	2	10	11	8 0

DISTRICT, COUNTY AND PLACE		VISIBILITY: NUMBER OF OBSERVATIONS: FOG: 0	1	2	3	Mist 4	Poor Vis. 5	Mod. Vis. 6	GOOD VISIBILITY: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
Radnor	Llandrindod Wells	0	2	0	1	1	1	5	10	11	0	0	0	4	27	0	2	5	2	6	7	4	3	2
	Rhayader	0	3	0	2	1	3	12	3	7	0	0	0	4	27	0	1	8	4	9	0	5	3	1
Glamorgan	Cardiff	0	0	2	0	2	9	12	4	2	0	0	0	2	29	0	2	14	3	0	1	7	4	0
		0	0	0	0	0	5	19	1	6	0	0	0	3	28	0	0	1	9	10	0	1	8	2
Somerset	Bath	0	0	1	0	4	12	12	1	1	0	0	0	1	28	2	1	13	3	3	2	3	4	1
Dorset	Holton Heath H	0	0	0	0	4	6	4	14	1	2	0	1	7	17	4	2	7	7	3	0	3	3	2
		0	0	0	0	0	3	10	18	0	0	0	1	7	21	2	1	4	8	2	6	1	4	3
Dorset	Portland Bill ..	0	0	0	0	0	0	2	25	4	0	0	3	6	22	0	3	11	3	3	2	4	2	3
		0	0	0	0	0	0	3	22	6	0	0	1	9	21	0	3	12	4	1	2	3	2	4
		0	0	0	0	0	0	6	15	10	0	0	3	10	18	0	2	7	8	1	5	1	4	3
		0	0	0	0	0	0	6	16	9	0	0	2	10	19	0	2	7	6	4	2	5	3	2
Devon	Moretonhampstead	0	0	0	0	1	1	8	7	13	1	0	0	1	21	9	7	2	1	4	3	0	2	3
		0	0	0	0	0	1	7	9	14	0	0	0	3	23	5	3	5	2	5	3	2	2	4
Devon	Plymouth H	0	0	0	0	0	4	7	5	15	0	0	0	1	2	20	8	4	4	6	1	1	1	3
	(Mount Batten) ..	0	0	0	0	0	1	8	3	18	1	0	1	3	25	2	3	3	7	3	3	5	1	4
		0	0	0	0	1	5	12	7	6	0	0	0	4	21	6	6	2	7	1	1	2	3	3
Cornwall	The Lizard ..	0	1	0	0	0	1	3	9	17	0	1	2	7	21	6	6	6	6	1	4	1	1	6
		0	0	0	0	0	0	1	12	18	0	0	1	11	17	2	5	8	6	1	1	1	3	4
		0	0	0	0	0	0	6	6	19	0	0	1	12	18	0	5	4	9	2	4	2	3	2
		0	0	0	0	0	0	5	7	19	0	0	2	11	16	2	7	4	5	3	2	2	1	5
Cornwall	Newquay ..	0	0	0	0	0	3	6	14	6	2	0	1	4	25	1	4	4	2	13	4	0	0	3
Sligo	Markree Castle ..	0	1	0	0	0	1	1	10	18	0	0	0	1	16	14	2	0	1	3	4	3	0	4
		0	0	0	0	0	0	0	11	20	0	0	0	1	16	14	2	4	1	1	2	1	5	1
Mayo	Blacksod Point ..	0	0	0	0	0	0	2	12	17	0	1	0	12	12	6	4	1	4	3	5	2	4	2
		0	0	0	0	0	0	0	7	23	1	1	0	12	16	2	2	3	3	3	2	5	9	2
		0	0	0	0	0	0	0	4	24	3	1	1	16	13	0	4	3	3	6	4	3	6	2
		0	0	0	0	0	0	0	10	17	4	1	1	16	12	1	4	4	3	3	5	2	5	4
Donegal	Malin Head ..	0	0	0	0	0	0	0	29	0	0	0	1	7	23	0	8	1	3	0	10	1	8	0
		0	0	0	0	0	0	0	26	3	0	0	2	8	21	0	8	1	3	1	11	3	4	0
		0	0	0	0	0	0	0	20	8	1	0	1	13	16	1	10	3	4	0	5	5	4	2
		0	0	0	0	0	0	0	28	1	0	0	2	8	21	0	9	0	5	0	8	2	6	1
Antrim	Aldergrove H	0	2	1	1	0	0	7	6	14	0	0	0	1	25	5	2	2	4	4	5	2	4	3
		0	0	0	0	1	2	9	9	9	1	0	0	5	25	1	5	2	4	1	3	6	5	4
		0	0	0	0	0	0	9	9	11	2	0	0	3	22	6	5	1	4	3	1	5	4	2
Armagh	Armagh .. H	0	0	0	2	2	1	10	6	10	0	0	0	0	28	3	5	5	1	2	4	9	0	2
		0	0	0	0	2	4	14	7	4	0	0	0	0	27	4	5	4	1	1	3	10	1	2
Dublin	Glasnevin	0	1	2	2	10	3	8	2	3	0	0	0	2	29	0	0	5	1	1	0	4	9	11
		0	1	0	0	9	3	12	3	3	0	0	0	1	25	5	1	3	1	0	0	2	8	11
Offlay	Birr Castle ..	0	0	0	4	0	0	0	17	10	0	0	0	0	27	4	5	2	1	1	8	1	5	4
		0	0	0	0	0	0	0	14	17	0	0	0	0	31	0	4	5	1	1	7	4	2	7
		0	0	0	0	0	0	0	7	24	0	0	0	0	31	0	4	3	2	2	3	9	2	3	5
Waterford	Seskin, Carrick-on-Suir	0	1	1	0	1	0	7	2	11	8	0	2	5	21	3	3	0	2	2	3	4	5	9
Kerry	Valentia H Observatory	0	0	0	0	0	0	1	2	27	1	0	0	11	16	4	3	8	6	4	3	1	1	1
		0	0	0	0	0	0	0	1	24	6	0	1	14	15	1	4	4	6	3	6	1	5	1
		0	0	0	0	0	0	1	6	19	5	0	2	8	18	3	4	4	9	3	5	1	1	1
		0	0	0	0	1	0	4	6	20	0	0	0	13	13	5	5	3	7	4	5	1	0	1
Cork	Roche's Point ..	0	1	0	1	0	2	2	7	17	1	0	2	6	23	0	11	5	2	3	4	1	3	2
		0	0	0	0	0	0	0	5	20	6	1	1	6	23	0	10	1	4	6	3	1	4	2
		0	0	2	0	0	0	0	6	20	3	0	2	3	26	0	8	2	8	2	3	2	3	3
Scilly	St. Mary's.. ..	0	0	1	0	0	0	11	7	12	0	0	1	10	17	3	3	6	4	4	2	2	2	5
		0	1	0	0	0	2	8	9	11	0	0	1	8	19	3	2	6	6	4	1	2	2	5
		0	0	0	0	0	0	7	15	8	1	1	1	7	21	1	4	5	5	6	1	3	3	3
		0	0	0	0	0	1	7	12	11	0	0	2	9	18	2	7	6	5	2	2	2	1	3
Guernsey	St. Peter Port H	0	0	0	0	1	1	14	11	2	2	0	2	4	19	6	2	7	4	5	2	3	1	2
		0	0	0	0	1	2	6	15	5	2	0	1	5	22	3	4	6	3	5	2	3	1	4
		0	0	0	0	1	1	5	16	2	6	0	2	4	25	0	1	9	6	3	4	4	0	4
		0	0	0	0	0	2	12	11	1	5	0	0	5	23	3	4	7	4	4	3	2	2	2
GIBRALTAR .. .. H																								
MALTA .. .. H		0	0	0	0	0	0	4	2	22	3	0	2	6	22	1	3	2	4	6	5	0	6	4
		0	0	0	0	0	0	1	5	19	6	0	0	16	15	0	5	5	1	7	7	0	3	3
		0	0	0	0	0	0	1	8	20	2	0	0	7	23	1	2	2	2	7	6	1	5	5

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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

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NOVEMBER, 1937.—Dry; considerable fog; cold at times from the 10th—28th.

The month was dry, notably so in Scotland, with considerable fog, particularly in England. Sunshine was variable, but for the country generally did not differ greatly from the average.

A shallow depression over south-west England and north-west France, moving south-east caused considerable rain, chiefly in south-eastern districts, on the 1st. In its rear a belt of high pressure moved south-east over the British Isles, while an Atlantic depression approached Ireland, causing rain in the extreme west and north-west on the 3rd. On the 4th, a secondary depression off north-west Ireland moved rapidly north and another off the mouth of the Channel moved south-east; rain fell locally on the 4th, mainly in the south-west and west, and gales were reported in the west and north between the 3rd and 5th. On the 6th an extension of the Russian anticyclone covered most of the country but on the 7th and 8th a depression off the south-west coasts spreading north-east and a trough off the north-west coasts moving north-east caused some rain in the west and north on the 7th and more generally on the 8th.

Thereafter, until the 14th, an anticyclone was situated off our north-west coasts while pressure was low eastward of this country. This was a somewhat cold period, with mainly northerly winds, occasional local showers, and on the whole, considerable sunny periods.

A spell of unsettled, cold weather ensued; between the 17th and 20th a depression off south-west Ireland moved to Denmark, while another depression west of Iceland moved south-east; gales were reported locally from the 16th–18th and were fairly widespread on the 17th. Heavy local rain occurred at times from the 17th–19th and considerable falls of snow were reported in Scotland and northern England on the 19th and 20th. From the 21st to 23rd a depression moved south over Ireland to the Bay of Biscay.

A wedge of high pressure moved southward over the British Isles on the 24th and 25th, while a depression near Iceland moved north-east causing some rain in the north and a gale in the Orkney and Shetland Isles on the 25th. Subsequently mainly anticyclonic conditions prevailed until the 28th but an Atlantic depression moving north-east brought a change to mild unsettled weather on the 29th and 30th.

Pressure and Wind.—Mean pressure exceeded the average throughout the country, the excess being greatest in the north and least in the south-west; the deviation from the average at 7 h. ranged from +8·4 mb. at Stornoway to +0·9 mb. at the Scilly Isles. As a result the map of mean pressure was quite different from the average, the lowest pressure being found off the south-west coasts while a large closed area of high pressure extended from north-north-west to south-south-east across Great Britain. The month was a quiet one over a large part of the country; at Southport, it was the calmest November since the Marshside Anemometer Station was established 40 years ago. Gales occurred at times in the west and north mainly from the 3rd–5th, 16th–18th and in the extreme north on the 25th; the gale on the 17th was more widespread. Among the highest speeds recorded in gusts were 78 m.p.h. at Lerwick on the 25th and 63 m.p.h. at Pendennis Castle on the 16th and at Point of Ayre and Valentia Observatory on the 17th. Strong, squally northerly winds were reported locally on the north-east coast of England on the 9th and 10th; a gust of 57 m.p.h. was registered at Spurn Head on the 10th.

Temperature.—In Scotland, Ireland and north-east England, mean temperature was not very different from the average on the whole, though the deviations at individual stations were somewhat variable. In other parts of England and Wales mean temperature was, as a rule, below the average, particularly in the south and parts of the Midlands; locally in these districts the deficiency was as much as 3°F. and equalled 3·3°F. at Usk (Monmouth) and East Malling (Kent).

The first eight days were generally mild and there was a return to mild conditions in the west and north on the 29th and throughout the country on the 30th. It was cold at times between the 10th and 28th.

The extremes for the month were:—(England and Wales) 63°F. at Plymouth (Mount Batten) on the 2nd, 16°F. at South Farnborough, Larkhill, Marlborough and Porton on the 21st; (Scotland) 61°F. at Achnashellach on the 2nd and 3rd and at Edinburgh (University) on the 2nd, 15°F. at Braemar on the 23rd and 24th; (Ireland) 60°F. at Rathfarnham on the 3rd and 4th and 22°F. at Birr Castle on the 14th and 21st.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 54, the values for the constituent countries being England and Wales 62, Scotland 30 and Ireland 61. The deficiency was almost general, an excess being confined to a few stations on or near the coast of north-east England and one or two stations in Counties Kerry and Cork. The deficiency was most striking in Scotland and the extreme north of England; at Appleby the total was only 10 per cent of the average and locally in Perthshire and Angus it was somewhat less than 10 per cent. Many widely separated stations in Scotland reported that it was the driest November on record; at Edinburgh the total, 0·24 in., is the lowest for November in a record covering 160 years.

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

1st	1·66 in. at Peaslake, Surrey.
3rd	1·56 in. at Valentia Observatory.
17th	2·58 in. at Holne, Devon.
18th	2·07 in. at Fofanny, County Down, 1·68 in. at Carndonagh, County Donegal, and 1·61 in. at Castle Archdale, County Fermanagh.
29th	2·00 in. at Blaenau Festiniog, Merioneth.
30th	1·86 in. at Blaenau Festiniog.

Some sleet and snow were reported locally, chiefly in Scotland, between the 8th and 15th, 17th and 24th and on the 27th. The fall on the 19th and 20th in northern England and in Scotland was considerable.

Scattered thunderstorms were reported on the 19th and a thunderstorm occurred at Cromer on the 13th and at St. Ann's Head, Pembrokeshire, on the 22nd.

Sunshine.—Sunshine was unusually variable but considering the country as a whole, it differed little from the average. The percentage of the average for districts 1–10 was 99 (see Table I). In Scotland sunshine was below the average except at Lerwick and at a number of places in the south-west. In Ireland it was dull generally except locally in the south-west, where Valentia Observatory recorded an excess of more than 50 per cent. In England and Wales the variability was exceedingly pronounced; this was doubtless due, in certain cases, to the incidence of fog; for example, in south-east England the percentage of the average ranged from 66 at Greenwich to 161 at Wye, Kent, and in the Midlands from 70 at Sheffield to 148 at Giggleswick.

Fog.—The frequent and often thick fogs which were experienced over wide areas in England and Wales were an important feature of the weather of the month. Fog occurred mainly from the 1st–8th, 13th–16th, 18th and 21st–28th. A number of deaths resulted from collisions in fog. In Scotland fog was somewhat frequently experienced along the east coast and in the Clyde area, while in Ireland morning and evening fogs were fairly prevalent.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 16 nights; an unusually brilliant display was seen in Skye and at Fort Augustus on the night of the 30th. Solar halos were noted at Oxford on 5 days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *December 24th*, 1937.

TABLE I—DISTRICT VALUES— NOVEMBER, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	61	19	+0·1	-	-	36	- 2	91	16
Eastern									
1 SCOTLAND, E.	61	15	+0·3	-	-	29	- 5	80	19
2 ENGLAND, N.E.	58	24	+0·1	+0·9	+1·0	77	- 4	93	21
3 ENGLAND, E.	59	18	-1·1	+1·3	+1·6	76	- 5	101	24
4 MIDLAND COUNTIES ..	59	17	-1·4	+0·2	+0·8	58	- 7	112	23
5 ENGLAND, S.E.									
Western									
6 SCOTLAND, W. (*and I. of Man*)	58	19	+0·1	-0·7	+0·1	26	-11	105	21
7 ENGLAND, N.W. (*and N. Wales*)	60	17	-0·7	+0·3	+0·7	43	- 8	117	25
8 ENGLAND, S.W. (*and S. Wales*)	63	17	-1·4	-0·2	+1·1	58	- 6	94	23
9 IRELAND, N. ..	58	25	+0·4	+0·1	+0·1	56	- 7	77	19
10 IRELAND, S. ..	60	22	-0·2	-0·9	-0·2	80	- 5	101	25
11 CHANNEL I. (*and Scilly*)	59	34	+0·2	-0·4	+0·6	67	- 7	118	32
Mean, DISTRICTS 1—10	63	15	-0·5	+0·2	+0·8	56	- 7	99	23

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1937 [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 Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time	
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d h	m
0 SCOTLAND, N.																			
Shetland ‡Lerwick	310	53	39	25	7	16	154	353	193	13	0	270	46	21	25 10	78	35	25 12	15
Orkney Kirkwall	170	40	35	-	0	7	88	316	256	33	27	190	35	16	17 19	57	25	17 19	55
Hebrides Stornoway	—	40	36	2-5	12	13	141	271	264	32	0	170	48	21	5 01	66	29	5 00	55
1 SCOTLAND, E.																			
Aberdeen Aberdeen	70	42	32	-	0	0	0	153	389	178	0	160	22	10	17 17	49	22	17 18	30
Angus Bell Rock Lighthouse	130	—	126																
Edinburgh Edinburgh	485	39	23	-	0	2	10	263	319	128	0	190	32	14	29 08	47	21	29 09	30
6a SCOTLAND, W.																			
Argyll Tiree	75	50	42	-	0	10	108	321	221	70	0	140	38	17	17 21	61	27	17 20	20
Renfrew Paisley	188	81	31	-	0	0	0	33	360	327	0	110	17	8	17 18	40	18	17 18	10
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	0	0	52	307	361	0	100	19	9	17 16	41	18	19 11	45
Dumfries Eskdalemuir ..	825	50	35	-	0	0	0	131	374	215	0	110	22	10	15 12	46	21	17 15	50
6b ISLE OF MAN													23		17	47		19 06	00
Isle of Man Point of Ayre ..	70	40	35	17,18	28	5	51	371	230	40	0	160	48	21	17 09	63	28	17 12	50
2 ENGLAND, N.E.																		17 08	25
Durham South Shields ..	73	57	44	-	0	8	90	256	310	64	0	120	36	16	17 18	54	24	10 12	15
Yorks.,N.R. Catterick	220	45	33	-	0	0	0	50	371	299	0	130	19	9	17 12	40	18	10 11	15
Yorks.,E.R. Spurn Head ..	64	42	34	-	0	7	99	252	288	60	21	110	36	16	17 11	57	25	10 09	45
Lincoln Cranwell	284	43	33	-	0	0	0	131	421	168	0	(320	23	10	10 11	37	17	10 10	50
3 ENGLAND, E.												{ 90			17 08				
Norfolk Gorleston	52	42	34	-	0	4	41	151	401	127	0	80	36	16	17 11	50	22	17 11	15
Suffolk Felixstowe Aero. ..	60	45	35	-	0	2	13	125	459	123	0	90	31	14	17 09	47	21	17 02	40
Suffolk Mildenhall	98	83	58	-	0	1	1	199	414	106	0	90	25	11	17 12	43	19	10 12	05
Bedford Cardington ..	285	150	135	-	0	0	0	201	374	145	0	230	23	10	19 14	39	17	17 11	30
Essex Shoeburyness ..	115	104	89	-	0	3	27	342	285	66	0	(100	31	14	16 21)	39	17	19 13	50
4 MIDLAND COUNTIES																		16 20	30
Warwick Birmingham ..	643	118	73	-	0	0	0	105	520	95	0	100	21	9	17 14	36	16	17 13	20
5 ENGLAND, S.E.																			
London South Kensington ..	137	110	30	-	0	0	0	(27)	(426)	(267)	0	(90	16	7	18 11	37	17	10 10	35)
Surrey Kew Observatory ..	92	75	50	-	0	0	0	81	410	229	0	90	21	9	17 04	34	15	10 11	05
Surrey Croydon	313	105	70	-	0	0	0	131	420	169	0	260	21	9	20 01	36	16	16 21	50
Kent Dover	66	66	60	-	0	2	14	261	401	20	24	-	30	13	17 02	40	18	17 02	20
Kent Lympne	418	76	48	-	0	2	7	170	477	66	0	100	27	12	17 02	38	17	10 14	30
Hampshire Calshot	58	50	42	-	0	3	20	159	446	95	0	90	36	16	16 20	46	21	16 19	40
Wiltshire Boscombe Down ..	462	45	33	-	0	0	0	103	497	120	0	90	22	10	17 12	39	17	17 11	35
Wiltshire Larkhill	491	51	36	-	0	0	0	121	464	135	0	90	23	10	16 23	40	18	16 23	50
7a ENGLAND, N.W.																			
Lancashire Fleetwood	112	50	31	-	0	1	6	198	417	99	0	120	26	12	17 09	51	23	17 08	30
Lancashire Manchester (Barton)	153	83	80	-	0	1	8	107	332	273	0	90	29	13	17 16	51	23	17 07	10
Lancashire Southport	60	42	33	-	0	0	0	127	513	80	0	120	24	11	17 14	42	19	17 13	55
Cheshire Bidston Obs'y. ..	262	64	39	-	0	1	18	189	328	89	96	100	29	13	17 04	48	21	17 14	45
7b NORTH WALES																			
Anglesey Holyhead	68	43	35	17	1	5	25	408	243	43	0	120	40	18	17 06	52	23	17 07	50
Flint Sealand	81	65	42	-	0	1	1	69	378	180	92	110	25	11	17 13	39	17	17 11	10
8b ENGLAND, S.W.																			
Devon Moretonhampstead	838	40	35	-	0	0	0	43	317	360	0	110	22	10	16 24	45	20	16 23	50
Devon Plymouth	185	88	65	-	0	5	19	189	422	90	0	-	32	14	16 23	49	22	16 20	35
Cornwall The Lizard	315	75	60	16	12	12	94	342	240	32	0	90	47	21	16 19	61	27	16 15	25
Cornwall Pendennis Castle ..	256	65	42	16,17	15	17	119	300	242	42	2	80	49	22	16 19	63	28	16 19	10
9 IRELAND, N.																			
Donegal Dunfanaghy Road	180	47	30																
Antrim Aldergrove	328	60	42	-	0	4	44	114	376	186	0	120	33	15	17 04	60	27	17 12	45
10 IRELAND, S.																			
Dublin Kingstown(Cup Anr.)	49	27	27	17	4	9	56	318	297	45	0	130	46	21	17 05	-	-	- -	-
Clare Quilty	100	40	32	-	0	5	27	207	387	99	0	-	30	13	17 06	41	18	17 09	10
Kerry Valentia Observatory	98	41	33	-	0	11	46	284	296	94	0	170	32	14	4 08	63	28	17 00	15
Cork Cork	132	71	40	-	0	0	0	81	250	341	48	-	24	11	17 05	46	21	17 06	20
11 SCILLY ISLES																			
St. Mary's	230	65	57	16	3	12	77	392	217	31	0	100	39	17	16 20	58	26	16 17	30

‡‡ 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 November, based on 35 years' observations, 1881–1915.

1015 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017

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

2. MOVEMENTS OF DEPRESSIONS.

A B C D E F G H I J K L M

SCALE 1:25,000,000

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 50° 48° 46° 44° 42°

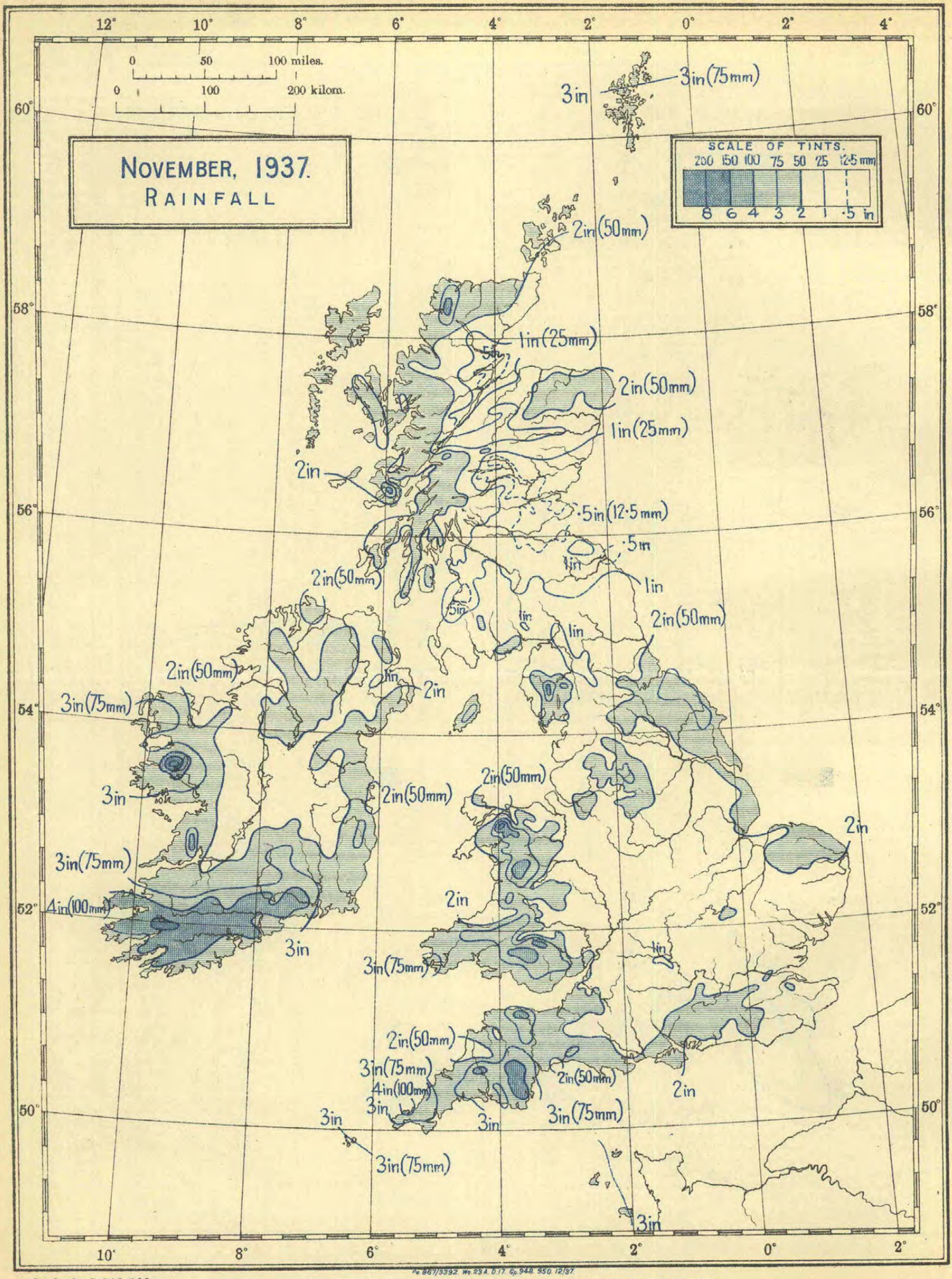
Sea temperatures are shewn in large figures, thus: (53)

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS. Hrs. 3·0 2·0 1·0

*The pressure is expressed in millibars

H.M. Stationery Office Press, Kingsway, W.C.2



Scale 1 : 5,000,000.

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

Pe 867/3392 We 234 0.17 6p 948 950 12/37

TABLE III—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS NOVEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
0	SCOTLAND, N.																													
Shetland	Baltasound ..	9 9 9	31	46·6	38·7	42·7	+0·6	55	5	30	12	44·0	–	3·15	80	67	·56	29	29	18	4	0	8	0	0	–	0	0·84	94	11
	Lerwick .. ¶§	18–7 7	156	45·8	40·3	43·1	+0·1	55	29	31	12	–	–	2·13	54	53	·41	29	22	14	5	0	6	0	0	–	6	1·27	106	17
Orkney	Deerness	2121 9	160	46·8	40·0	43·4	+0·3	54	2,3,5	34	12,19,20	–	–	1·83	46	46	·23	28	23	14	9	0	1	0	0	–	–	1·13	88	15
	Kirkwall .. ¶§	9 9 9	113	46·7	39·8	43·3	+0·4	54	3	33	16,20	44·9	–	2·19	56	53	·44	20	24	19	2	0	3	0	0	6	3	1·35	96	18
Hebrides	Skallary	101010	30	50·0	43·0	46·5	–	55	4	35	22	–	–	2·41	61	–	·69	3	21	17	0	0	0	0	–	–	–	–	–	–
	Stornoway(C.G.)¶§	18–7 7	80	47·8	40·8	44·3	+0·9	55	2,4	34	13,14,22	–	–	2·23	57	41	·50	29	23	18	0	0	4	0	0	–	5	1·35	88	17
	Stornoway ..	– – 9	30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Skye	Duntulm ..	9 9 9	294	48·2	40·6	44·4	–	56	2,3,4	33	22	–	–	2·32	59	–	·56	22	16	13	0	0	2	0	0	13	3	1·35	–	17
Caithness	Wick	18–7 7	81	46·7	39·5	43·1	+0·4	56	3	29	16	–	–	1·46	37	47	·19	12	18	14	2	0	5	0	0	–	3	–	–	–
Ross & Cromarty	Achnashellach ..	9 9 9	225	47·1	–	–	–	61	2,3	–	–	–	–	2·67	68	29	·37	12	19	14	3	0	0	0	–	–	–	–	–	–
	Fortrose	9 9 9	69	47·1	37·1	42·1	+0·1	57	3,4,5	30	20,22,28	–	–	·35	9	–	·08	19	11	4	2	0	2	0	0	–	0	1·42	76	18
Inverness	Dalwhinnie ..	18–7 7	1176	42·8	33·7	38·3	–	52	5	19	24	–	–	·58	15	–	·14	30	16	5	9	3	0	0	0	18	0	·95	–	128
	Ft. Augustus ¶	9 9 9	68	47·3	34·8	41·1	–0·1	58	4	22	28	–	–	·51	13	11	·09	29	17	5	2	2	0	0	3	–	3	·75	76	98
	Ft. William ..	9 9 9	34	48·0	36·4	42·2	+0·5	59	4	25	24	41·4	47·3	1·08	27	13	·30	30	15	8	0	0	0	0	0	11	0	·99	–	128
	Inverness ¶§	9 9 9	242	46·2	36·8	41·5	–0·6	56	3,4	28	22	–	–	·57	15	22	·20	19	11	6	1	1	1	0	0	12	0	1·56	90	20
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	47·1	36·9	42·0	–0·1	59	4	25	28	–	–	·62	16	26	·25	19	13	4	2	0	1	0	0	–	0	1·41	75	18
Moray	Forres	9 9 9	155	47·3	35·5	41·4	–	58	4	26	22	–	–	·76	19	–	·17	19	15	7	2	4	4	0	0	–	0	1·69	–	21
	Gordon Castle ..	2121 9	104	47·1	36·9	42·0	+0·2	59	5	29	28	–	–	1·73	44	60	·33	19	20	12	2	4	0	–	–	–	–	1·60	89	208
Banff	Banff	9 9 9	130	46·8	39·0	42·9	+0·6	56	5	32	28	–	–	1·60	41	61	·31	22	21	14	2	0	3	0	0	8	0	1·63	86	20
Aberdeen	Aberdeen ¶§	242424	79	46·0	39·0	42·5	+0·3	56	5	31	24	43·9	47·4	1·73	44	59	·27	7	20	14	5	3	3	1	0	9	0	1·47	75	18
		18–7 –	—	46·0	38·9	42·5	+0·2																							
	Balmoral.. ..	9 9 9	927	44·3	33·5	38·9	+1·0	55	5	18	24	–	–	·79	20	21	·11	9	16	9	4	4	0	0	–	12	0	–	–	–
	Braemar	2121 9	1111	43·2	31·7	37·5	–0·2	54	5	15	23,24	–	–	·65	17	17	·13	1	9	8	1	1	0	0	0	12	0	·78	–	108
	Craibstone ..	9 9 9	300	45·6	36·9	41·3	+0·2	57	5	29	21,22,28	43·1	46·1	1·50	38	47	·17	19	17	15	6	2	1	0	–	10	–	1·86	82	23
	Logie Coldstone..	9 9 9	608	45·1	33·8	39·5	+0·4	54	2,4,5	20	24	–	–	1·07	27	35	·23	9	19	11	6	0	0	0	–	–	–	–	–	–
Kincardine	Stonehaven ..	9 9 9	12	48·4	37·7	43·1	–	59	5	26	21	–	–	·96	24	–	·23	19	15	11	1	0	0	0	0	–	–	1·97	–	24
Angus	Arbroath.. ..	2121 9	93	47·8	36·5	42·1	0·0	59	5	27	24,28	–	–	·71	18	29	·28	19	9	6	1	0	1	0	4	15	0	1·99	90	24
	Carnoustie ..	9 9 9	39	47·5	37·6	42·5	+0·1	57	5	29	24	–	–	·56	14	22	·19	19	13	5	1	1	1	0	–	–	0	1·82	92	228
	Dundee .. ¶§	9 9 9	147	47·2	36·0	41·6	+0·1	58	5	28	21,24,28	42·1	–	·57	15	25	·19	19	10	4	1	0	0	0	–	20	2	1·73	79	21
	Kettins	9 9 9	218	45·9	34·0	39·9	+0·2	54	3	22	24	40·8	–	·25	6	8	·06	19	12	2	1	0	0	0	1	18	1	–	–	–
	Montrose.. ..	9 9 9	16	47·7	37·4	42·5	+0·1	57	5	28	24,28	–	–	·70	18	–	·22	19	11	6	2	0	1	0	0	–	2	1·38	62	17
Perth	Crieff	2121 9	478	46·2	36·0	41·1	+0·5	56	5	25	24	–	–	·39	10	9	·11	4	7	4	1	0	1	0	–	–	0	–	–	–
	Perth	9 9 9	76	47·1	35·2	41·1	+0·6	58	5	20	24	–	–	·46	12	16	·11	1	7	7	1	0	1	0	–	–	–	1·34	72	16
Fife	Cupar	9 9 9	210	47·1	35·7	41·4	+0·5	56	5	27	24	–	–	·28	7	–	·11	19	7	2	0	0	1	0	–	–	–	–	–	–
	Dunfermline ..	9 9 9	237	47·6	36·3	41·9	–	58	2	25	24	45·4	48·9	·30	8	–	·19	30	9	1	0	0	1	0	5	16	0	1·90	–	23
	Inchkeith ..	18–7 7	190	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Kirkcaldy ..	9 9 9	137	48·1	35·1	41·6	–0·9	56	3,5	25	24	–	–	·15	4	–	·07	1	4	2	0	0	0	0	–	–	–	–	–	–
	Leuchars.. ..	18–7 7	36	47·4	36·9	42·1	+0·6	57	5	27	24	–	–	·52	13	23	·16	19	8	4	1	0	2	0	2	17	0	1·92	82	24
	St. Andrews ..	9 9 9	13	47·3	36·8	42·1	–0·3	56	5	28	21	42·8	47·8	·31	8	13	·07	19	10	3	0	0	2	0	0	11	–	1·93	91	24
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	46·7	38·6	42·7	+0·6	58	2	29	24	–	–	·24	6	11	·07	1	7	3	1	0	1	0	3	8	0	1·89	90	23
	Boghall	9 9 9	639	45·8	37·2	41·5	+0·4	55	5	27	24	41·1	45·8	·31	8	–	·08	30	9	3	1	2	0	0	1	11	–	1·71	84	21
	Liberton ..	9 9 9	190	48·1	36·5	42·3	–	59	2	26	24	–	–	·20	5	–	·06	19	7	2	1	0	2	0	–	–	–	–	–	–
	Univ. King's B.	9 9 9	225	48·4	36·4	42·5	–	61	2	28	24	41·7	47·5	·23	6	–	·06	1	7	3	–	–	–	–	–	–	–	–	–	–
E. Lothian	Dunbar	9 9 9	75	46·4	38·7	43·5	–	58	3	28	24	–	–	·57	15	–	·22	19	8	4	0	0	0	0	0	6	0	1·89	–	23
	N. Berwick ..	9 9 9	118	48·2	38·0	43·1	+0·8	56	2	28	24	–	–	1·05	27	49	·42	6	7	3	0	0	2	0	0	12	0	1·60	93	20
Berwick	Marchmont ¶§	2121 9	498	46·1	36·5	41·3	+0·8	56	5	28	24	–	–	·70	18	23	·16	19,30	11	7	1	1	0	0	–	–	0	1·39	81	178
	St. Abb's Head	18–7 7	280	47·1	41·7	44·4	–	56	5	31	21	–	–	·83	21	–	·21	23	12	5	1	0	2	0	1	–	0	–	–	–
Peebles	Peebles	9 9 9	629	46·2	33·5	39·9	–	56	4	23	20,22,24	–	–	·37	9	–	·15	30	5	3	2	0	0	0	2	17	0	1·13	–	14
	West Linton ..	9 9 9	820	45·4	32·9	39·1	+0·6	57	2	20	24	38·9	45·6	·70	18	–	·38	29	9	4	2	1	0	0	0	20	–	–	–	–
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	46·7	35·1	40·9	+0·1	59	5	24	22,24	–	–	·36	9	15	·12	19	6	4	1	2	0	0	4	–	0	–	–	–
	Wolfelee	9 9 9	537	45·0	33·1	39·1	–0·4	57	5	21	13,14	–	–	·76	19	20	·21	30	8	6	1	2	0	0	1	–	0	–	–	–
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	48·5	34·4	41·5	–1·2	57	5	26	9,24,28	–	–	1·85	47	–	·34	3	13	12	0	0	0	0	–	21	–	–	–	–
	Colonsay ..	9 9 9	87	49·4	39·1	44·3	–	55	1,4,5	27	24	–	–	2·30	58	–	·56	21	23	15	0	0	0	0	–	–	–	–	–	–
	Dunoon (Benmore)	9 9 9	46	48·8	34·7	41·7	–	57	5	25	28	42·0	46·1	1·87	47	–	·57	21	13	10	0	0	0	0	2	16	–	1·00	–	128
	Dunoon	9 9 9	132	47·8	38·0	42·9	–	56	5	29	24	–	–	1·33	34	–	·32	21	11	7	0	0	0	0	0	13	0	1·49	–	18
	Glenbranter ..	9 9 9	188	47·0	32·3	39·7	–1·9	54	2,3	23	13,20,24	–	–	1·73	44	–	·75	21	12	10	0	0	0	0	0	20	–	–	–	–
	Oban	9 9 9	229	47·4	39·1	43·3	–	54	2,3,30	29	24	–	–	1·97	50	–	·75	21	12	9	0	0	0	0	0	10	0	1·67	90	20
	Tiree .. ¶§	18–7 7	22	48·6	43·1	45·9	+0·6	55	4	34	24	–	–	1·81	46	37	·44	7	14	9	1	0	1	0	0	4	3	1·38	83	17
Bute	Rothesay ¶§	2121 9	200	47·1	39·9	43·5	+0·3	54	3	32	13	41·3	46·8	1·53	39	30	·54	20	13	9	0	0	0	0	0	8	1	1·60	96	19
Dumbarton	Cardross	9 9 9	130	48·7	36·0	42·3	+1·2	58	4	26	20	–	–	1·08	27	–	·43	20	10	3	0	0	0	0	0	–	–	1·63	101	208
	Helensburgh ..	9 9 9	293	47·2	36·2	41·7	–0·2	57	5	27	24	–	–	1·13	29	21	·42	21	12	6	0	0	0	0	7	–	0	1·69	104	21
Stirling	Stirling	9 9 9	151	47·2	37·6	42·4	+0·9	55	3,5	26	24	41·4	49·3	·48	12	–	·11	4	9	5	0	0	0	0	6	24	0	1·80	116	228
Renfrew	Greenock ..	9 9 9	199	47·8	39·1	43·5	+0·9	55	3,5	31	13	–	–	1·76	45	27	·84	21	11	6	0	0	0	0	8	5	0	1·05	–	13
	Paisley	2121 9	106	47·8	37·3	42·5	+0·2	57	5	26	24	42·2	49·0	·64	16	15	·15	20	9	7	0	0	0	0	7	16	0	1·49	103	188
	Renfrew ¶§ (Abbotsinch)	18–7 7	19	47·5	34·5	41·0	–0·1	57	5	19	24	–	–	·55	14	14	·19	30	9	4	0	0	0	0	7	17	0	1·67	114	20
Lanark	Carluke	9 9 9	534	46·1	35·1	40·6	–	57	2	25	20	–	–	·46	12	–	·11	21	10	5	1	0	0	0	0	18	0	2·11	–	25
	Dungavel	9 9 9	798	44·5	34·1	39·3	–0·1	54	2,5	24	20	–	–	1·05	27	–	·37	18	12	8	2	2	0	0	3	17	–	–	–	–
	Glasgow	9 9 9	85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ayr	Auchincruive ..	9 9 9	89	48·7	32·5	40·6	–	58	5	20	20	43·8	49·3	·33	9	–	·15	29	7	4	0	0	0	0	1	20	0	2·00	–	24
	Ayr	2121 9	43	49·2	36·8	43·0	–	57	2,3,30	28	10	–	–	·29	7	–	·12	29	3	3	0	0	0	0	0	20	–	2·08	–	25
	Colmonell ..	9 9 9	170	48·8	33·8	41·3	–1·8	56	5	22	13	–	–	·99	25	20	·38	18	12	7	3	0	1	0	0	16	–	–	–	–
	Kilmarnock ..	9 9 9	130	47·2	32·4	39·8	–2·0	57	5	20	13	42·6	48·3	·61	15	–	·28	29	9	6	0	0	0	0	0	20	0	1·81	–	22
	Troon	9 9 9	15	48·3	36·7	42·5	–	58	5	29	13,24	–	–	·57	15	–	·28	29	11	3	0	0	0	0	1	16	0	2·00	–	24
	Turnberry ..	9 9 9	30	47·7	39·1	43·4	–	55	3,8,30	31	20	–	–	·52	13	–	·16	29	8	5	1	0	0	0	0	12	0	1·68	97	20
Dumfries	Dumfries.. ¶§	2121 9	140	47·4	34·7	41·1	–0·6	57	1	26	13	42·8	47·9	·8	25	28	·39	18	6	5	1	0	0	0	3	20	0	2·21	121	26
	Eskdalemuir ¶§	242424	794	44·8	33·1	38·9	+0·2	55	1	20	13	44·2	49·3	1·19	30	20	·53	30	5	4	3	0	0	0	2	15	0	2·04	110	25
		18–7 –	—	44·9	34·5	39·7	+0·6																							
	Ruthwell.. ..	2121 9	67	47·6	33·9	40·7	–0·8	58	1	23	13,14	–	–	1·25	32	–	·44	18	6	5	0	0	0	0	–	–	0	1·92	106	238

¶§ S *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 NOVEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	Earth Temperature 4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	48·8	40·9	44·9	-0·2	56	2	31	13	-	-	2·37	60	50	·62	19	13	10	0	0	0	0	1	10	1	2·03	93	24
	Point of Ayre ..	18–7 7	30	50·0	43·9	46·9	-	58	1,2	32	22	-	-	2·01	51	-	·85	19	13	8	0	0	0	0	0	-	3	2·52	-	29
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	47·3	38·6	42·9	+0·1	56	3,5	27	23	-	-	·34	9	16	·09	19	10	3	1	0	3	0	0	7	0	1·70	77	21
	Bellingham ..	9 9 9	849	44·3	33·4	38·9	-0·2	57	5	25	14,20,21	-	-	1·07	27	31	·54	20	11	5	3	1	0	0	2	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	45·9	37·8	41·9	+0·5	58	5	29	22,29	41·5	46·1	1·99	51	77	·39	10	17	11	0	0	0	0	7	10	0	2·06	94	25
	Tynemouth ..	18–7 7	108	47·1	41·0	44·1	+0·2	55	30	31	13	-	-	1·51	38	71	·56	9	14	5	0	0	0	0	2	6	0	1·17	-	14
Durham	Chopwellwood ..	9 9 9	446	47·0	37·0	42·0	+0·9	57	1	29	14,22,29	-	-	1·46	37	57	·47	19	11	7	1	0	0	0	0	12	-	1·96	92	23
	Durham .. ¶§	2121 9	336	46·6	37·4	42·0	+0·6	55	2	28	29	-	-	1·34	34	59	·49	19	13	9	1	0	0	0	10	8	0	1·56	80	19
	Houghall	9 9 9	160	48·0	35·7	41·9	-0·4	56	2	25	29	-	-	1·40	36	-	·57	19	12	8	1	1	0	0	5	15	0	1·59	92	19
	Sunderland ..	9 9 9	70	47·8	39·6	43·7	-	55	3,30	32	13,14	-	-	1·92	49	-	·65	9	13	9	-	-	-	-	-	7	-	-	-	-
	Ushaw College ..	9 9 9	594	45·3	36·8	41·1	0·0	53	1,2,30	29	13,14	-	-	1·49	38	59	·50	19	16	7	0	0	0	0	11	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	46·4	35·9	41·1	-0·6	58	4	26	23	-	-	2·43	62	-	·75	19	12	8	1	0	1	0	6	10	-	1·48	-	17
	Castleton ..	9 9 9	450	45·8	34·9	40·3	-	56	1,3	25	29	43·6	-	3·95	100	-	1·20	19	16	10	3	1	0	0	2	15	-	-	-	-
	Catterick	18–7 7	175	46·0	37·0	41·5	-	56	1,2	26	22	-	-	1·93	49	-	1·07	19	11	7	2	1	0	0	7	12	0	1·80	-	21
	Scarborough ††¶§	9 9 9	118	48·4	40·6	44·5	-0·2	57	3	32	21,23	-	48·6	2·30	58	93	·81	19	16	14	0	0	3	0	1	5	1	1·45	77	17
	York .. ¶§	2121 9	57	46·7	37·3	42·0	-0·8	56	2	26	22	44·6	49·9	1·92	49	92	·59	19	12	8	0	0	0	0	-	-	0	1·74	109	208
Yorks., E. Riding	Hull	2121 9	8	47·3	38·6	42·9	-0·3	56	2,3	28	16	44·0	49·7	2·56	65	117	·93	19	14	8	1	0	1	0	13	10	-	1·82	124	21
	Spurn Head ..	18–7 7	29	48·0	41·9	44·9	+0·4	57	2,4	33	22	-	-	2·79	71	131	1·03	19	19	16	4	0	2	0	4	-	0	1·81	86	21
Lincoln	Cranwell .. ††¶§	18–7 7	203	47·2	37·4	42·3	+0·2	57	2,3	24	22	44·0	49·6	1·20	31	64	·24	19	10	8	1	0	0	0	7	8	0	2·28	103	26
	Cleethorpes ..	9 9 9	23	47·4	38·2	42·8	-1·1	56	2	27	22	-	-	2·14	54	-	·39	18	16	11	1	0	0	0	3	6	-	1·92	105	22
	Skegness ..	9 9 9	15	47·7	38·1	42·9	-0·7	55	2	27	21	-	-	2·41	61	112	·52	9	11	10	1	0	2	0	1	9	-	2·29	104	26
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	48·3	40·7	44·5	0·0	55	8	29	21	-	-	2·69	68	114	·44	19	17	14	0	0	4	1	1	7	0	1·64	74	19
	Hunstanton ..	9 9 9	105	48·0	39·2	43·6	-1·0	56	4	30	22	-	-	2·05	52	-	·51	18	16	12	0	0	0	0	3	-	-	2·34	115	27
	Norwich	9 9 9	110	48·3	37·1	42·7	-0·4	57	3	27	16,21	43·4	-	1·98	50	-	·32	1,18	18	11	1	0	2	0	-	16	-	1·72	82	20
	Sprowston ..	9 9 9	93	48·5	36·9	42·7	-1·2	57	3	26	22	-	-	2·33	59	-	·42	13	20	12	2	0	1	0	-	18	-	1·59	85	188
	Terrington ..	9 9 9	13	47·8	36·7	42·3	-	57	2	26	16	-	-	1·43	36	-	·46	18	13	9	0	0	0	0	12	13	-	2·05	-	24
	Thetford ..	9 9 9	99	47·4	33·2	40·3	-	58	3	23	16,21,29	43·5	49·1	1·79	45	-	·43	1	15	10	0	0	0	0	6	17	-	1·67	-	19
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	48·2	41·0	44·6	-0·1	57	3	30	21	46·8	52·5	1·85	47	77	·28	13	17	14	1	0	1	0	1	3	0	1·68	76	19
Suffolk	Bungay (Flix'n) ..	9 9 9	79	47·4	35·7	41·5	-1·4	57	3	26	16	-	-	1·65	42	-	·41	1	14	11	0	0	1	0	4	21	-	-	-	-
	Chadacre	9 9 9	250	47·4	35·5	41·5	-	59	3	21	29	-	-	1·33	34	-	·47	1	13	10	1	0	0	0	2	16	-	2·16	-	25
	Copdock	9 9 9	164	48·1	35·9	42·0	-0·8	58	3	24	21	43·7	49·9	1·17	30	-	·43	1	13	8	1	0	0	0	9	13	-	2·46	114	28
	Felixstowe Aero.	18–7 7	15	48·3	39·9	44·1	-0·6	59	3	30	16	-	-	1·19	30	81	·42	1	12	10	0	0	1	0	5	8	0	2·65	109	30
	Lowestoft ..	9 9 9	82	48·9	38·8	43·9	-0·9	58	3	28	21	45·3	50·3	1·46	37	62	·21	9	17	12	0	0	2	0	1	9	0	1·63	71	19
	Mildenhall * ..	18–7 7	15	48·0	35·8	41·9	-	57	3	23	14	-	-	1·48	38	-	·31	1	14	11	0	0	0	0	7	13	0	2·10	-	24
Cambridge	Cambridge ¶§	2121 9	41	47·8	35·7	41·7	-1·2	56	4	24	14,16,21	45·2	50·9	1·79	45	93	·63	1	9	8	1	0	0	0	5	13	0	1·91	93	22
	(Bot. Gdns.)																													
	(Univ. Farm) ..	9 9 9	78	48·4	36·4	42·4	-	58	4	24	16	-	-	1·77	45	-	·50	1	13	8	0	0	0	0	6	13	0	2·21	-	25
Bedford	Luton	9 9 9	381	46·9	35·7	41·3	-1·0	52	4,8,30	23	13	46·3	52·0	1·56	39	-	·60	1	10	7	-	-	-	-	8	13	-	1·73	90	20
	Woburn	9 9 9	291	46·6	34·0	40·3	-2·0	53	1	21	13	43·1	49·9	1·84	47	82	·61	1	11	9	1	0	1	0	5	14	-	1·98	96	22
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	45·9	36·1	41·0	-1·1	52	1,2	21	21	43·2	-	1·66	42	65	·55	1	11	8	0	0	0	0	7	13	0	2·31	104	26
	St. Albans ..	9 9 9	272	47·6	33·9	40·7	-2·2	55	2	18	21	44·9	-	1·31	33	55	·54	1	10	6	0	0	0	0	7	13	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	48·2	38·8	43·5	-1·0	59	2	27	21	46·5	51·5	1·66	42	83	·74	1	9	8	0	0	0	0	1	11	-	2·71	114	31
	Chelmsford ..	9 9 9	134	48·2	35·3	41·7	-1·0	58	2,3	23	21	-	-	1·93	49	86	·87	1	13	7	0	0	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	48·3	35·5	41·9	-	57	2	23	21	-	-	1·62	41	-	·77	1	10	7	0	0	0	0	-	16	-	2·26	-	26
	Earls Colne ..	9 9 9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Halstead ..	9 9 9	140	48·3	34·9	41·6	-1·1	56	2,3,4	23	21	-	-	1·24	31	-	·65	1	10	7	0	0	0	0	7	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	48·4	37·5	42·9	-1·2	59	2	25	16,29	-	-	1·83	46	86	·82	1	9	7	1	0	0	0	4	12	0	2·60	118	29
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	46·6	35·0	40·8	-	56	2	24	22	-	-	1·91	49	-	·46	19	12	8	0	0	0	0	2	13	-	2·12	-	25
	Bingley	9 9 9	610	45·6	35·5	40·5	-	55	4	27	13,22,23	-	-	1·48	38	-	·40	19	11	8	2	1	0	0	5	15	-	-	-	-
	Bradford ..	9 9 9	439	45·9	35·9	40·9	-0·8	55	3	26	13	42·2	49·5	1·72	44	59	·48	18,19	11	8	-	-	-	-	10	15	-	1·61	119	19
	Doncaster ..	9 9 9	30	47·4	35·2	41·3	-	57	3	22	22	-	-	1·53	39	-	·43	18	13	8	0	0	0	0	7	18	-	1·60	-	19
	Giggleswick ..	9 9 9	575	45·7	35·4	40·5	-0·3	58	1	24	13	-	-	1·60	41	-	·72	18	9	7	1	0	0	0	1	-	0	2·22	148	26
	Harrogate ¶§	9 9 9	478	45·5	36·4	40·9	-0·6	54	2,30	24	23	43·8	47·0	1·56	39	56	·41	19	10	8	1	0	1	0	11	16	0	2·29	124	27
	Huddersfield ..	2121 9	325	45·7	35·7	40·7	-1·3	58	3	24	13,22	42·3	49·0	1·92	49	71	·57	19	12	7	1	1	1	0	11	16	-	1·13	92	13
	„ (Oakes)	9 9 9	761	46·1	36·2	41·1	-0·8	57	3,4	27	22	42·1	47·0	2·16	55	70	·50	18,19	16	8	2	1	0	0	13	13	0	-	-	-
	Meltham .. **	9 9 9	514	44·7	34·4	39·5	-2·1	57	3	23	22	41·4	43·0	2·60	66	61	·66	19	15	8	-	-	-	-	-	15	-	-	-	-
	Pontefract ..	9 9 9	255	46·0	36·6	41·3	-2·0	55	2,3	24	22	-	-	1·58	40	82	·45	18	11	7	-	-	-	-	17	11	-	1·67	-	19
	Sheffield	9 9 9	428	46·4	37·7	42·1	-1·2	55	3	27	22	43·4	48·1	2·36	60	83	·66	18	11	8	0	0	0	0	-	9	0	1·15	70	13
	Wakefield ..	9 9 9	124	46·9	35·5	41·2	-1·3	57	30	23	22	42·8	48·7	1·97	50	93	·63	18	14	6	1	0	0	1	11	14	-	1·02	81	128
Derby	Belper (School) ..	9 9 9	222	47·3	35·0	41·1	-0·6	56	2,3	20	22	-	-	1·58	40	56	·40	18,22	9	7	0	0	0	0	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	43·4	34·3	38·9	-1·6	53	1,2	22	22	41·7	45·8	1·99	51	43	·48	30	10	9	1	1	0	0	8	14	-	1·18	82	14
Nottingham	Attenborough ..	18 7 7	89	46·4	35·5	40·9	-	57	3	17	22	43·3	49·7	1·59	40	-	·27	23	11	6	0	0	0	0	14	14	0	-	-	-
	Mansfield ..	9 9 9	357	45·6	36·0	40·8	-1·9	54	3	27	22	-	-	1·53	39	-	·42	18	9	7	0	0	0	0	19	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft.

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

†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.

* New site as from 8th Sept. 1937.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS NOVEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max.	Min.	Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
4 MID COUNTIES—*cont.*		G.M.T.			ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham *cont.*	Nottingham ¶§	9	9	9	192	47·2	36·6	41·9	-0·6	57	3	25	14	40·9	47·3	1·25	32	66	·40	18	8	8	-	-	-	-	16	11	-	1·84	*122*	21
	Sutton Bon'gton	9	9	9	157	46·9	34·9	40·9	*-2·1*	56	3	22	14,22	42·8	-	1·47	37	79	·47	18	7	5	0	0	0	0	12	15	-	1·77	*99*	21
	Worksop ..	9	9	9	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leicester	Belvoir Castle ..	2121	9		259	46·8	35·4	41·1	-0·9	55	2,3	25	13,16,21	43·8	51·0	1·23	31	55	·33	18	10	8	-	-	-	-	-	12	-	2·32	105	27
	Leicester ..	9	9	9	325	46·0	34·9	40·5	-	56	2	21	14	46·3	50·4	1·31	33	-	·41	8	7	7	0	0	0	0	8	11	-	1·63	-	19
Northampton	Oundle	9	9	9	147	47·2	35·5	41·3	-0·6	54	2,3	22	16	44·9	51·0	1·70	43	-	·46	18	16	7	0	0	0	0	8	15	-	2·21	*113*	25
Warwick	Birmingham ¶§	18-7	7		535	45·7	38·6	42·1	*-0·8*	54	2,3	28	14	44·4	49·8	1·57	40	66	·34	8	10	8	1	0	0	0	6	9	0	2·03	132	23
	,, Sparkhill	713	7		425	46·7	36·7	41·7	*-0·6*	57	3	24	22	-	-	1·76	45	70	·59	8	10	8	0	0	1	0	11	14	-	-	-	-
	Coventry.. ..	9	9	9	241	46·9	34·6	40·7	-2·0	55	3	19	14	44·9	50·1	1·38	35	60	·45	8	9	8	0	0	0	0	6	14	-	1·75	109	20
	Rugby	2121	9		390	46·6	35·1	40·9	*-1·1*	55	3	23	14	-	-	1·44	37	-	·35	8	9	7	0	0	0	0	-	16	-	1·94	-	22
	Stratford-on-Avon	9	9	9	210	47·0	34·2	40·6	-	56	3	22	14,21	-	-	1·60	41	-	·40	22	13	7	0	0	0	0	8	-	-	1·58	-	18
Oxford	Oxford .. ¶§	9	9	9	208	47·5	34·9	41·2	-2·2	54	4	21	21	41·3	50·4	1·22	31	53	·28	22	10	6	0	0	2	0	9	16	0	2·20	100	25
Bucks	Halton	9	9	9	544	46·9	35·8	41·3	-	53	2,4,8	24	14	44·6	50·6	1·53	39	-	·43	1	9	6	1	0	1	0	3	15	-	1·74	-	20
	Mursley	9	9	9	490	46·3	34·9	40·6	*-1·3*	57	1	24	14	44·3	-	1·63	41	69	·43	1	9	7	-	-	-	-	-	-	-	2·23	*111*	25
Stafford	Market Drayton	9	9	9	581	46·0	35·0	40·5	-	58	2	21	14	-	-	1·40	36	-	·50	18	8	8	0	0	0	0	7	14	-	2·51	-	29
	Mayfield	9	9	9	374	46·3	32·7	39·5	*-1·2*	59	2	19	21,22	-	-	1·70	43	56	·48	18	8	7	0	0	0	0	-	14	-	2·08	*114*	24
Shropshire	Newport	9	9	9	211	46·9	34·9	40·9	-	59	7	20	14	-	-	1·47	37	67	·37	8	11	7	0	0	0	0	5	17	-	2·08	-	24
	Shrewsbury ..	9	9	9	184	47·3	33·8	40·5	*-3·2*	57	2	21	14	45·5	51·0	1·66	42	-	·42	8	12	7	0	0	0	0	5	12	0	1·86	-	21
Worcester	Malvern	9	9	9	380	46·1	36·9	41·5	*-2·1*	55	1	27	25	43·6	48·9	1·42	36	56	·46	22	9	7	0	0	0	0	10	9	-	2·56	*108*	29
	Worcester (Perdiswell) ..	9	9	9	94	47·1	34·1	40·6	*-3·1*	57	4	19	14	-	-	1·37	35	-	·37	8	8	7	0	0	0	0	-	14	-	1·60	-	18
Hereford	Bromyard ..	9	9	9	393	46·3	33·8	40·1	*-1·8*	56	2	18	14,21	43·9	49·9	1·44	37	-	·36	22	12	6	0	0	0	0	18	14	-	-	-	-
	Hereford ..	9	9	9	292	46·1	33·8	39·9	*-2·4*	54	2	22	14,21	-	-	1·47	37	58	·50	22	15	6	0	0	0	0	4	14	0	-	-	-
	Ross-on-Wye ¶§	18-7	7		223	45·4	36·1	40·7	*-3·0*	54	4	22	21	43·9	49·8	1·19	30	47	·27	8	9	7	0	0	0	0	9	12	0	1·75	*83*	20
Gloucester	Bristol (Horfield)	18-7	7		206	47·4	36·5	41·9	-	56	3,4	23	21	46·5	51·2	1·86	47	-	·54	22	12	9	0	0	0	0	6	14	0	-	-	-
	Cheltenham ..	2121	9		214	46·7	34·8	40·7	*-3·1*	55	4	22	14	43·9	50·5	1·41	36	58	·40	22	8	6	0	0	1	0	7	18	0	1·55	*74*	18
	Cirencester ..	9	9	9	443	46·5	34·4	40·5	*-1·8*	56	2	19	21	-	-	1·70	43	-	·48	22	12	9	0	0	0	0	8	15	-	2·41	*116*	27
	Parkend	9	9	9	325	46·2	33·6	39·9	-	55	2	21	21	43·9	49·2	1·65	42	-	·62	22	12	9	0	0	0	1	6	18	-	1·74	-	20
5 ENGLAND, S.E.																																
London	City, Bunhill Row..	—																												1·00	112	11
	Camden Square ..	9	9	9	110	47·9	37·9	42·9	-1·2	55	1,4	28	14	45·6	51·5	1·26	32	53	·59	1	7	6	0	0	0	0	-	13	-	-	-	-
	East Ham ..	9	9	9	15	47·6	37·4	42·5	-1·2	56	4	25	21	-	-	1·15	29	53	·48	1	6	6	-	-	-	-	-	-	-	-	-	-
	Enfield	9	9	9	148	47·4	35·8	41·6	*-1·3*	54	2	23	21	-	49·7	1·45	36	58	·65	1	9	7	0	0	0	0	10	10	-	1·92	*106*	21
	*g*Greenwich ..	2424	9		149	47·1	36·1	41·6	-1·9	57	4	24	21	47·4	51·4	1·37	35	59	·49	1	8	7	0	0	0	0	13	18	0	1·04	66	12
		21	9	-	—	47·0	36·9	41·9																								
	Hampstead ..	9	9	9	450	46·4	36·0	41·2	*-1·3*	53	2,4	25	21	-	-	1·54	39	-	·73	1	10	6	0	0	0	-	16	-	1·94	*110*	22
	Kensington ..	18-9	9		80	46·9	38·9	42·9	*-1·7*	56	4	28	21	46·4	51·4	1·35	34	57	·61	1	8	6	0	0	0	0	12	14	0	0·91	-	10
	Kingsway ..	—			—																									0·92	-	10
	Regent's Park ..	9	9	9	129	47·8	38·0	42·9	-	56	4	28	21	-	-	1·29	33	-	·59	1	7	6	0	0	0	0	12	13	-	1·39	108	16
	Kew ¶§	242424			18	46·9	37·2	42·1	-1·7	55	4	25	21	44·2	50·9	1·38	35	63	·56	1	10	7	0	0	0	0	12	14	0	1·55	88	17
	Observatory ..	18-7	-		—	46·6	37·3	41·9	*-2·4*																							
	Tottenham ††¶§	2121	9		51	48·0	36·6	42·3	*-2·2*	56	4	27	21	-	53·5	1·38	35	61	·70	1	8	7	0	0	0	0	-	10	-	1·83	*120*	21
	Westminster ..	9	9	9	27	48·8	38·7	43·7	-1·2	57	4	28	21	-	-	1·18	30	56	·53	1	7	6	0	0	0	0	-	9	-	1·10	92	12
Surrey	Addington ..	9	9	9	472	45·4	36·9	41·1	-1·6	55	4	26	14	-	-	1·98	50	-	·96	1	9	5	0	0	0	0	9	-	-	-	-	-
	Croydon	18-7	7		217	47·6	37·0	42·3	*-2·0*	57	4	25	14,21	-	-	1·89	48	69	·90	1	7	5	0	0	0	0	8	12	0	1·73	*100*	19
	Wisley	9	9	9	150	47·3	34·7	41·0	-2·2	55	4	20	21	44·6	50·9	1·63	41	-	·66	1	9	5	0	0	0	0	8	16	0	1·61	86	18S
Kent	Biggin Hill ..	18-7	7		567	46·4	36·2	41·3	*-1·3*	55	4	26	21	-	-	2·13	54	62	·94	1	10	7	0	0	0	0	10	15	0	2·27	*119*	26
	Bromley	9	9	9	213	47·4	35·7	41·5	-	57	4	25	14,21	-	-	1·53	39	62	·68	1	7	5	0	0	0	0	10	14	-	-	-	-
	Canterbury ..	9	9	9	135	48·1	35·4	41·7	*-2·4*	57	4	21	21	45·9	49·6	1·26	32	-	·46	1	9	5	-	-	-	-	-	12	-	-	-	-
	Dover	9	9	9	22	50·3	40·2	45·3	*-0·2*	57	2,3	27	21	47·7	53·6	1·74	44	-	·60	17	11	7	0	0	0	0	4	8	0	3·18	*129*	36
	Dungeness ..	18-7	7		20	49·9	38·7	44·3	*-2·4*	58	3	21	21	-	-	1·30	33	47	·54	17	8	8	0	0	0	0	8	-	0	-	-	-	-
	East Malling ..	9	9	9	132	48·1	32·7	40·4	*-3·3*	56	4,5	24	13,16,21	-	-	1·58	40	-	·62	1	9	6	0	0	0	0	7	14	0	2·18	*126*	25
	Folkestone ..	9	9	9	101	49·5	39·4	44·5	*-1·4*	57	3	27	21	-	53·3	1·35	34	-	·65	17	9	6	0	0	0	0	4	7	-	3·08	131	35
	Goudhurst ..	9	9	9	290	48·1	33·3	40·7	-	57	2	20	21	-	-	1·40	36	-	·45	22	10	7	0	0	0	0	5	22	-	-	-	-
	Lympne	18-7	7		346	47·2	37·1	42·1	*-1·6*	55	2	25	21	-	51·4	1·30	33	41	·53	17	11	5	0	0	0	0	7	11	0	3·12	*135*	35
	Manston	18-7	7		142	48·6	38·8	43·7	-	56	2	24	21	-	-	1·18	30	-	·40	1	11	5	0	0	0	0	5	8	0	2·74	-	31
	Margate .. ¶§	9	9	9	51	49·0	41·9	45·5	*-0·7*	55	1,4,7	32	21	46·8	52·1	1·10	28	46	·41	1	9	5	0	0	0	0	2	1	0	2·63	117	30
	Tunbridge W. ..	9	9	9	355	47·7	33·1	40·4	*-2·9*	56	2,4	19	21	43·0	49·5	1·16	29	-	·53	1	9	7	0	0	0	0	6	14	0	2·91	134	33
	Wye	9	9	9	164	49·2	34·9	42·1	*-1·8*	59	2	20	21	-	-	1·10	28	-	·42	1	8	6	0	0	0	0	-	14	0	3·00	*161*	34
Sussex	Ardingly ..	9	9	9	437	47·7	35·7	41·7	*-0·8*	55	2,8	26	21	-	-	2·35	60	-	1·24	1	10	8	0	0	0	0	-	15	-	-	-	-
	Beachy Head ..	18-7	7		502	48·1	40·4	44·3	*-1·2*	55	1,2,7	30	14	-	-	1·55	39	-	·56	1	9	8	0	0	1	1	5	-	-	-	-	-
	Brighton ..	9	9	9	32	50·2	39·7	44·9	*-1·2*	57	4,8	29	21	-	53·5	1·52	39	48	·67	1	8	7	0	0	0	0	7	9	0	3·34	134	37
	Eastbourne ..	2121	9		35	50·5	39·7	45·1	*-1·0*	57	4	28	21	48·1	53·5	1·31	33	37	·36	1	11	8	0	0	1	0	2	10	-	3·43	136	38
	Hastings ¶§	2121	9		149	50·5	39·5	45·0	*-1·0*	58	3	29	14	47·4	53·4	1·29	33	41	·38	1	9	8	0	0	0	0	1	9	0	3·47	138	39
Berkshire	Ascot H'therw'd	2121	9		300	46·5	35·3	40·9	*-2·2*	53	4,8	20	21	-	-	1·57	40	-	·54	1	11	5	0	0	0	0	12	15	-	2·41	*114*	27
	Reading	9	9	9	152	47·8	35·5	41·7	*-1·4*	55	4	22	21	45·6	52·0	1·49	38	-	·31	1	11	8	0	0	0	0	-	13	0	-	-	-
	Shinfield ..	9	9	9	200	47·5	34·4	40·9	*-2·0*	54	4,8	20	21	-	-	1·38	35	-	·40	1	8	7	0	0	0	0	-	-	-	-	-	-
	Warfield	9	9	9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 NOVEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	49·2	37·3	43·3	*-1·9*	57	3	25	21	47·3	50·9	1·49	38	44	·39	1	13	9	0	0	0	0	3	-	-	2·53	95	28
	Calshot	18-7 7	8	49·0	40·0	44·5	*-1·3*	56	3	28	15,21	-	-	2·19	55	83	·80	1	9	6	0	0	0	0	5	6	0	2·45	*100*	27
	Leckford ..	9 9 9	385	47·0	34·6	40·8	-	56	3	19	21	43·5	-	1·47	37	-	·47	22	7	7	0	0	0	-	4	-	-	2·32	-	26
	Long Sutton ..	9 9 9	479	47·0	34·2	40·6	*-2·6*	58	3	22	14	43·8	-	2·22	56	-	1·02	1	10	6	0	0	0	0	8	15	-	2·23	*113*	25
	Southamp'n ¶§	2121 9	64	48·3	36·3	42·3	*-2·4*	56	3	24	21	-	-	2·19	56	69	·87	22	8	8	0	0	0	0	6	14	0	2·09	91	23
	S. Farnboro' †† ..	18-7 7	226	47·5	34·6	41·1	*-2·0*	57	3	16	21	-	-	1·73	44	66	·67	1	10	6	0	0	0	0	9	15	0	2·25	*106*	25
I. of Wight	Newport	9 9 9	48	49·7	35·1	42·4	*-1·9*	58	3	22	21	-	-	2·46	62	-	1·03	1	10	7	0	0	0	1	12	16	0	-	-	-
	Ryde	9 9 9	13	50·2	40·1	45·1	*-0·8*	57	3	28	21	-	-	1·92	49	-	·93	1	10	7	0	0	1	1	2	-	0	2·57	*107*	29
	Sandown ..	9 9 9	13	51·0	40·8	45·9	*-0·2*	58	2,3	30	14	-	-	1·87	47	-	·84	1	10	7	0	0	1	1	0	-	-	2·87	113	32
	Totland Bay ..	9 9 9	140	49·6	39·3	44·5	*-1·4*	57	3,7,8	30	14,21	-	-	2·60	66	83	·88	22	12	10	0	0	1	0	5	9	0	2·46	93	27
	Ventnor (Hospital)	9 9 9	59	51·4	42·7	47·1	0·0	59	3,4	30	14	-	-	2·07	53	65	·86	1	11	8	0	0	0	0	-	-	0	3·18	119	35
Wiltshire	Amesbury (Boscombe Down)	18-7 7	417	46·8	35·1	40·9	-	56	3	17	21	-	-	1·33	34	-	·34	22	10	7	0	0	0	0	8	14	0	2·34	-	26
	Larkhill	9 9 9	440	47·0	33·9	40·5	*-2·0*	56	3	16	21	-	-	1·66	42	66	·44	22	13	7	0	0	0	0	3	16	0	-	-	-
	Marlboro' ¶§	9 9 9	424	46·9	31·9	39·4	*-2·4*	57	3	16	21	44·6	50·2	1·52	39	49	·47	30	9	7	0	0	0	0	10	19	0	1·83	99	21
	Porton	9 9 9	363	47·7	33·4	40·5	*-1·7*	57	3	16	21	44·0	-	1·22	31	47	·31	22	8	7	0	0	0	0	4	16	0	2·37	*103*	27
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	48·2	34·3	41·3	-1·5	59	1	22	13,14	43·1	49·8	1·25	32	22	·49	19	5	4	1	0	0	0	1	14	0	1·91	*126*	23
	Newton Rigg ¶§	2121 9	560	45·4	34·1	39·7	-0·9	57	1	21	14	-	-	·69	18	20	·26	18	8	4	1	1	0	0	0	20	0	1·88	103	22
Westmorland	Ambleside ..	9 9 9	145	48·8	34·1	41·5	-	60	1	21	13	-	-	2·25	57	-	·64	18	9	6	1	0	0	0	2	-	-	2·01	-	24
	Appleby	9 9 9	440	45·6	32·3	38·9	*-1·0*	58	1	18	13,14	-	-	·34	9	10	·13	30	9	4	2	0	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	46·5	36·7	41·6	-0·9	55	2,3	24	14	43·6	48·3	2·26	57	55	·59	30	8	8	0	0	0	0	-	10	-	1·96	189	23S
	Burnley	9 9 9	458	45·5	34·1	39·8	-1·5	57	3	19	14	42·6	47·9	1·55	39	-	·50	30	9	5	1	0	0	0	3	21	-	1·24	*107*	14S
	Darwen	2121 9	724	45·3	36·3	40·8	*-0·3*	55	1,3	25	13	42·7	48·0	2·26	57	46	·67	30	11	8	1	0	0	0	4	14	-	2·14	*156*	25S
	Hutton	9 9 9	82	47·0	35·2	41·1	*-1·2*	56	3	20	13	43·1	49·5	1·57	40	-	·42	19	7	7	0	0	0	0	6	15	0	1·99	*131*	23
	Lancaster	9 9 9	312	47·5	37·3	42·4	-0·7	57	3	28	13	42·2	47·0	1·53	39	39	·52	30	6	5	0	0	0	0	4	13	-	1·85	92	22
	Leyland	9 9 9	125	47·2	34·3	40·7	*-1·5*	56	2,3,7	20	13,14	-	-	1·22	31	36	·38	30	9	5	0	0	0	0	6	5	-	2·30	*135*	27
	Manchester (Barton) ..	18-7 7	70	46·1	35·3	40·7	-	58	3	17	14	-	-	1·83	46	-	·50	30	8	8	0	0	0	0	8	14	0	1·55	-	18
	(Oldham Road)	2121 9	191	46·7	39·3	43·0	-0·9	56	2,3	26	14	43·6	51·1	2·14	54	73	·59	30	9	8	0	-	0	0	-	11	-	0·70	111	8S
	(Whitworth Pk.)	2121 9	125	47·6	36·6	42·1	-1·3	58	1,2	23	14	-	-	1·94	49	73	·62	18	8	7	-	-	-	-	12	14	-	0·88	96	10
	Southport (Bedford Rd.Pk.) ¶§	9 9 9	35	47·9	36·1	42·0	-1·2	57	2	25	13,14,16	42·2	48·0	1·37	35	44	·35	18	9	6	0	0	0	0	2	11	0	2·35	125	27
	Stonyhurst ¶§	9 9 9	377	45·8	36·2	41·0	-1·1	55	1	25	13,14	-	-	1·56	40	35	·56	19	8	6	2	0	0	0	2	12	0	2·42	147	28
Cheshire	Bidston Obs'y ..	9 9 9	198	47·1	38·5	42·8	-1·1	55	2	31	16, 22,23	-	-	1·48	38	59	·41	18	10	8	0	0	0	0	11	6	0	2·25	*111*	26
	Hoylake	9 9 9	23	48·4	37·5	42·9	-1·2	57	3	24	14	-	-	1·42	36	52	·33	18	10	9	0	0	0	0	-	15	-	1·80	91	21
	Macclesfield ..	9 9 9	500	45·9	35·7	40·8	-0·5	57	2	22	14	-	-	1·56	40	53	·49	30	10	8	0	0	0	0	8	-	-	-	-	-
	West Kirby ..	9 9 9	25	47·3	37·2	42·3	*-2·0*	55	2,3,30	26	14	-	-	1·33	34	50	·34	18	12	9	1	0	0	0	0	10	-	2·45	*130*	26
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	48·2	35·8	42·0	-2·1	56	2	23	14	-	-	1·62	41	-	·35	18	10	8	0	0	0	0	4	-	-	-	-	-
	Rhyl	9 9 9	31	49·3	38·3	43·8	*-1·3*	59	3	26	14	-	-	1·57	40	63	·42	18	12	7	1	0	0	0	0	7	0	2·02	96	23
	Sealand .. ¶§	18-7 7	16	47·7	37·8	42·7	*-0·6*	56	2	23	14	45·1	50·5	1·70	43	71	·40	18	11	8	0	0	0	0	6	11	0	2·03	*115*	23
Anglesey	Holyhead ¶§	18-7 7	26	50·0	44·7	47·3	*+0·2*	60	2	37	25	-	-	1·85	47	45	·63	29	10	6	0	0	1	0	0	1	1	2·04	96	24
Denbigh	Colwyn Bay ..	9 9 9	118	49·7	41·1	45·4	*-0·3*	58	2,3	33	13,14,20	-	-	1·40	36	44	·40	18	10	6	0	0	0	0	0	-	-	1·68	82	19
Carnarvon	Aber	9 9 9	60	50·1	41·1	45·6	*-0·7*	60	4	33	20	-	-	1·51	38	-	·37	30	12	8	0	0	0	0	-	9	2	1·32	92	15S
	Llandudno ..	9 9 9	13	49·5	41·1	45·3	*-0·9*	59	3	30	14	-	-	1·36	35	47	·41	18	12	7	0	0	0	0	0	5	0	1·78	89	21
Montgomery	Welshpool ..	9 9 9	254	48·3	32·7	40·5	*-1·8*	58	3	20	14	-	-	1·77	45	61	·42	23	13	9	0	0	0	0	6	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	49·4	39·8	44·6	*-1·3*	59	2	28	14	-	-	2·02	51	-	·58	18	13	10	0	0	1	0	3	-	-	2·28	100	26
	„ P.B.S.†	9 9 9	452	47·5	38·6	43·1	*-1·5*	58	2	28	14	-	-	2·01	51	-	·57	18	14	8	0	0	1	0	0	11	0	2·34	*104*	27
	Ciliau Aeron ..	9 9 9	252	-	-	-	-	-	-	-	-	-	-	1·09	28	-	·28	18	10	7	0	0	0	0	0	-	0	2·29	-	26
Pembroke	Haverfordwest ..	2121 9	233	49·8	37·9	43·9	*-0·9*	59	1,2	23	14	-	-	2·46	62	-	·83	29	14	11	0	0	0	0	0	-	-	2·05	85	23
	St. Ann's Hd. ¶§	18-7 7	142	50·7	44·2	47·5	*-0·2*	57	1	34	14	-	-	3·11	79	81	1·03	22	14	12	0	0	1	1	1	-	3	1·61	73	18
Radnor	Llandrindod Wells	9 9 9	772	46·1	34·3	40·2	-	58	2	18	14,21	-	-	1·22	31	-	·36	30	10	6	0	0	0	0	4	-	0	1·79	-	20
	Rhayader ¶§	9 9 9	757	45·2	33·2	39·2	*-1·8*	57	2	18	14	-	-	1·52	39	30	·31	22	15	8	0	0	0	0	3	17	0	1·59	94	18
Brecknock	Cantref	9 9 9	1080	43·7	34·9	39·3	-	53	2	24	14,21	-	-	3·32	84	-	1·16	30	10	8	0	0	0	0	0	-	-	2·75	-	31
Glamorgan	Cardiff	2121 9	203	47·5	38·0	42·7	-1·3	56	1	26	26	45·9	51·9	2·40	61	59	·91	22	14	8	0	0	0	0	5	13	0	1·89	86	21
	Swansea	9 9 9	32	50·1	41·0	45·5	*-0·8*	58	1	30	14,21	46·1	54·8	2·54	65	-	·57	29	9	8	0	0	0	0	2	12	-	2·43	*121*	27
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	47·0	36·2	41·6	*-2·5*	55	4	23	21	44·7	50·9	3·07	78	-	1·11	22	12	9	-	-	-	-	6	-	-	1·86	-	21
	Usk	9 9 9	70	47·5	32·6	40·1	*-3·3*	57	2	17	14	44·6	-	1·85	47	-	·71	22	8	8	0	0	0	0	6	16	0	1·67	92	19
Somerset	Bath .. ¶§	9 9 9	67	47·8	35·4	41·6	*-2·7*	56	2,3,4	21	21	46·0	51·9	1·69	43	60	·43	22	10	9	0	0	0	0	5	-	0	2·26	*103*	25
	Cannington ..	9 9 9	95	48·3	35·8	42·1	-	57	3	22	21	-	-	2·18	55	-	·76	22	16	10	0	0	0	0	6	15	0	1·54	-	17
	Long Ashton ..	9 9 9	162	48·0	35·3	41·7	*-2·3*	58	3	21	21	-	-	2·05	52	65	·55	30	17	10	0	0	0	0	11	17	0	1·74	86	20

† Plant Breeding Station. ¶§ *See* Notes on Tables on last page of this issue.

†† New Site as from May 19, 1937.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS NOVEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL					WEATHER NUMBER OF DAYS							BRIGHT SUNSHINE		
				Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Total Fall		Percentage of Average	Most in a day		Precip'n		Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale		Percentage	
																			0·2 mm or more	1 mm or more							Daily Mean	of Average	of Possible
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft	in	mm	%	Amount	Date											
		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
8b	ENGLAND, S.W.—*cont.*																												
Dorset	Holton Heath ..	9 9 9	64	49·4	36·3	42·9	-1·6	57	3	23	21	44·8	50·9	1·63	41	–	·31	17	10	9	0	0	.0	0	2	14	0	–	–	–
	Portland Bill ..	18–7 7	32	51·1	44·2	47·7	-0·7	58	3,4	32	14	-	-	2·22	56	80	·47	21	11	10	0	0	0	0	0	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	46·8	36·6	41·7	-1·1	59	6	27	14	-	-	1·60	41	50	·29	8	12	10	0	0	0	0	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	47·0	35·2	41·1	-2·8	55	2,4	21	14	45·2	-	2·31	59	67	·54	22	13	11	0	0	0	0	8	17	-	2·24	99	25
	Ilfracombe ..	9 9 9	25	50·9	42·1	46·5	-1·7	69	3	32	14	47·0	53·6	1·56	40	41	·44	29	8	6	0	0	0	0	0	2	-	2·46	127	28
	Killerton ..	9 9 9	159	49·5	36·0	42·7	-1·4	58	2	23	14,15	-	-	2·51	64	-	·67	23	13	10	-	-	-	-	3	12	-	-	-	-
	Moretonhampstead	9 9 9	798	48·0	37·0	42·5	-	56	2	25	14	44·4	49·7	3·35	85	-	·85	17	11	11	0	0	0	0	4	14	0	2·44	-	27
	Newton Abbot ..	9 9 9	375	50·5	38·2	44·3	-1·3	59	2	28	21	-	-	3·07	78	85	1·01	17	11	9	0	0	0	0	2	11	-	2·49	103	28
	Paignton ..	9 9 9	12	52·0	38·9	45·5	-0·8	61	8	27	15,21	-	-	2·40	61	-	·60	17	11	8	0	0	0	0	1	14	-	2·62	107	29
	Plymouth (Hoe)	2121 9	117	52·3	41·1	46·7	+0·1	62	2	29	15	45·8	51·2	2·99	76	82	·68	22	10	7	0	0	0	0	6	9	0	2·85	114	32
	Plymouth (Mount Batten) ..	18–7 7	82	52·1	42·3	47·2	0·0	63	2	29	15	-	-	2·94	75	-	·85	17	11	8	0	0	0	0	0	8	0	2·81	113	31
	Princetown ..	9 9 9	1430	45·8	36·7	41·3	-0·4	54	3	27	13	-	-	4·78	121	54	1·14	30	11	10	1	0	0	0	15	4	-	-	-	-
	Sidmouth ..	9 9 9	25	51·1	39·8	45·5	-0·2	58	2,3	27	14	-	-	1·65	42	-	·32	22	11	9	0	0	0	0	0	-	-	2·66	-	30
	Tavistock ..	9 9 9	457	50·7	38·3	44·5	-0·1	59	2	26	15,21	-	49·9	3·04	77	60	1·23	22	10	10	1	0	2	0	0	11	1	-	-	-
	Teignmouth ..	9 9 9	20	51·7	40·6	46·1	-0·8	59	8	30	15,21	-	-	2·72	69	85	·66	17	11	8	0	0	0	0	1	-	-	2·38	94	27
	Torquay ..	9 9 9	27	51·5	40·4	45·9	-1·4	58	3,8	30	14,15,21	-	52·2	2·53	64	73	·67	17	10	8	0	0	0	0	0	6	1	2·75	107	31
Cornwall	Falmouth Obs. ¶§	9 9 9	167	52·9	43·1	48·0	+0·5	59	2	33	10	48·9	53·9	2·47	63	51	·50	16	11	9	0	0	1	0	0	8	-	2·57	101	29
	Fowey	9 9 9	51																										
	Gulval	9 9 9	20	53·5	43·6	48·5	+0·6	59	1,2,17	32	14	-	-	3·44	87	-	·94	4	13	11	0	0	0	0	3	8	-	2·39	97	27
	The Lizard ..	18–7 7	240	53·1	45·3	49·2	-	60	2	35	10	-	-	2·15	55	-	·55	16	13	10	0	0	0	0	0	-	1	-	-	-
	Newquay ..	9 9 9	182	51·9	41·5	46·7	-0·5	59	2	29	15	47·5	52·6	2·44	62	68	·86	16	11	10	0	0	1	0	0	-	0	2·50	100	28
	Redruth	9 9 9	397	50·8	41·1	45·9	0·0	58	2	31	14	-	-	2·53	90	72	1·12	16	16	11	0	0	1	0	0	12	1	-	-	-
9	IRELAND, N.																												
Sligo	Markree Cas. ¶§	2121 9	122	49·5	38·1	43·8	+0·8	56	3,4	25	24	46·9	50·6	1·61	41	38	·41	3	15	10	0	0	0	0	1	-	0	1·59	85	19
Mayo	Blacksod Pt. ¶	18–7 7	18	50·7	41·4	46·1	-0·8	58	3,4,5	34	24	-	-	3·79	96	73	1·00	21	15	13	0	0	0	0	0	-	2	-	-	-
	Mallaranny §	9 9 9	113	50·2	41·3	45·7	+0·4	58	3	32	20	-	-	2·73	69	-	·79	17	14	13	-	-	-	-	0	-	-	1·39	77	16
Donegal	Malin Head ¶§	18–7 7	84	49·6	43·7	46·7	+1·6	56	3,4	37	24	-	-	2·59	66	79	1·24	18	17	8	0	0	0	0	0	-	0	1·03	58	21S
Antrim	Aldergrove ..	18–7 7	238	47·6	38·8	43·2	-	55	3,4,30	25	20	-	-	·69	18	21	·43	18	12	2	0	0	0	0	1	12	0	1·48	-	18
Down	†Donaghadee ..	8 8 8	30	50·4	43·1	46·7	+1·8	58	9	33	22	-	-	1·69	43	55	·91	18	16	7	-	-	-	-	0	-	-	1·59	-	19
	Hillsborough ..	9.9 9	388	47·0	38·4	42·7	-	55	30	28	20,24	46·0	-	1·53	39	-	1·03	18	10	8	0	0	0	0	1	11	1	1·61	-	19
Armagh	Armagh .. ¶§	2121 9	204	48·7	38·5	43·6	+0·7	56	4,30	27	20,24	44·3	48·4	1·26	32	44	·69	18	10	5	0	0	0	0	1	8	0	1·65	77	19
Longford	Newtownforbes ..	2121 9	154	48·2	37·2	42·7	0·0	56	3	26	21	44·5	48·5	1·04	27	29	·55	18	7	6	0	0	0	0	-	-	-	-	-	-
10	IRELAND, S.																												
Dublin	Dublin City .. ¶	2121 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	,, Glasnevin ..	2121 9	55	50·0	38·1	44·1	0·0	58	29	25	21	-	-	2·10	53	77	·86	22	14	9	0	0	0	0	7	8	0	-	-	-
	,, Phœnix Pk. §	2121 9	155	49·3	38·1	43·7	+0·4	58	29	25	14,21	-	-	2·17	55	77	1·11	22	13	8	1	0	0	0	4	11	0	1·74	74	20
	,, Trin. Coll. ..	2121 9	13	50·3	42·0	46·1	+0·6	59	3	31	21	45·8	49·0	1·95	50	75	·84	22	14	9	0	0	0	0	-	3	0	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	49·3	36·7	43·0	-	57	3,4	25	14	45·9	49·0	1·08	27	-	·42	22	6	6	-	-	-	-	-	-	-	1·90	-	22
	Rathfarnham ..	9 9 9	169	49·5	38·9	44·2	-	60	3,4	26	22	45·4	-	2·25	57	-	1·04	22	13	10	0	0	0	0	2	12	-	1·65	-	19
Wicklow	Newcastle ..	2121 9	256	53·2	40·3	46·7	+2·1	58	5	32	12	-	-	2·47	63	-	·75	22	15	11	0	0	0	1	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18–7 7	173	48·5	37·4	42·9	-0·5	57	29	22	14,21	45·2	49·9	1·47	37	47	·59	18	11	7	0	0	0	0	2	0	0	1·75	87	20
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	46·3	38·8	42·5	-0·8	53	2,30	31	10,14,21	-	-	4·52	115	-	1·17	17	17	13	0	0	0	0	0	15	0	1·66	71	19
	Waterford ¶	9 9 9	137	49·5	39·2	44·3	-0·6	55	2,4	26	21	-	-	3·14	80	85	·54	22	16	13	0	0	0	0	12	-	0	-	-	-
Limerick	Foynes	9 9 9	43	49·1	38·4	43·7	-1·2	59	3	25	21	-	-	1·93	49	47	·45	7	12	10	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	50·5	42·6	46·5	-0·5	57	3,4	33	15	46·9	50·9	5·31	135	97	1·56	3	14	13	0	0	2·	0	0	8	3	3·21	152	36
		18–7 –	—	51·2	42·6	46·9	-0·6																						
Cork	Ballinacurra §	9 9 9	24	50·9	38·7	44·8	-0·3	56	3,4,17	26	21	-	-	3·71	94	93	·67	17	15	12	0	0	0	0	-	-	-	1·93	90	22
	Cork	9 9 9	57	50·3	38·0	44·1	-0·2	56	3,4	25	15	-	-	3·57	91	89	·62	17	13	12	0	0	0	0	0	15	-	1·94	-	22
	Roche's Pt. ¶	18–7 7	22	50·7	43·7	47·2	+0·1	56	1,3,4	33	21	-	-	3·87	98	92	·73	7	15	12	0	0	0	0	2	-	1	-	-	-
11	CHANNEL ISLES AND SCILLY																												
Scilly	St. Mary's ¶§	18–7 7	163	52·9	47·0	49·9	+0·7	57	2,3,8	39	14	-	-	2·17	55	67	·46	16	15	10	0	0	1	0	0	-	0	2·67	106	30
Guernsey	St. Peter Port ¶§	18–7 7	175	52·5	45·1	48·8	-0·3	59	8	34	15	48·2	53·7	2·82	72	67	·96	1	14	11	0	0	0	0	0	0	0	2·99	127	33
Jersey	St. Heliers ¶§	9 9 9	28	52·8	44·8	48·8	+0·2	58	17	35	15	-	-	2·75	70	68	·72	1	11	7	0	0	1	0	0	-	-	3·12	122	34
GIBRALTAR		18–7 7	393	65·7	58·7	62·2	+2·1	72	25	53	28	-	-	1·82	46	-	·47	13	11	10	0	0	0	0	1	0	1	-	-	-
MALTA		18–7 7	231	69·4	60·9	65·1	+0·7	76	2, 11,22	53	30	-	-	1·78	45	56	·95	2	10	6	0	0	0	4	0	-	0	6·84	122	67

¶§ § See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Atten-borough	Trent	7	53·0	39·0	45·0
	,,	18	54·8	40·5	45·8

TABLE III (*b*)—SKY OBSERVATIONS, NOVEMBER, 1937

WEATHER DIARY, ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	3
,, cloudless ,,	0
,, foggy ,,	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	29 nights	28 nights
Average exposure (hours)	13·06	12·5
Polaris unobscured (per cent.)	44	50
δ Ursæ Minoris (ditto)	38	36

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

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION, KEW OBSERVATORY

	Cal./cm.²/diem.
Max. (on 19th)	283
Mean	46

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, 1937

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													
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS												FORCE (0-12)								DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY																			
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND N.			G.M.T.	ft	mb	mb	°F	°F	mb	%																																
Shetlands	Lerwick		1	160	1015·5	–	42·9	1·6	8·1	87	7·7	0	1	9	10	10	0	0	0	0	0	0	5	3	22	0	2	0	20	8	0	7	0	1	1	5	5	4	7
			7	160	1014·8	+8·1	43·0	1·4	8·3	88	8·5	0	0	6	11	13	0	0	0	0	0	0	6	7	17	0	3	5	12	10	0	7	0	1	1	6	6	4	5
			13	160	1014·6	–	44·5	1·7	8·5	86	8·2	0	0	5	17	8	0	0	0	0	1	0	4	5	20	0	3	3	16	8	0	6	0	1	0	8	5	4	6
			18	160	1015·0	–	43·0	1·8	8·0	85	7·3	0	3	6	14	7	0	0	0	0	0	0	7	1	22	0	2	3	15	10	0	7	0	1	1	6	5	4	6
Orkneys	Deerness		9	165	1015·7	–	43·7	2·0	8·1	84	6·7	0	2	11	15	2	0	0	0	0	0	0	3	4	22	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			21	165	1016·0	–	43·2	2·0	7·9	83	6·9	0	4	9	13	4	0	0	0	0	0	1	0	0	29	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hebrides	Stornoway ..		1	83	1016·1	–	44·0	2·3	8·0	81	7·4	1	2	7	12	8	0	0	0	0	0	0	3	9	18	0	1	4	8	16	1	5	2	1	4	5	4	4	4
			7	83	1015·7	+8·4	44·1	1·9	8·3	85	8·2	0	1	6	12	11	0	0	0	0	0	0	2	9	18	1	1	6	6	17	0	4	1	1	2	6	5	4	7
			13	83	1016·1	–	46·7	2·6	8·7	80	8·2	0	2	3	16	9	0	0	0	0	0	0	2	4	18	6	0	7	14	6	3	2	1	2	2	7	3	4	6
			18	83	1015·9	–	45·0	2·3	8·4	81	8·2	0	2	4	14	10	0	0	0	0	0	0	2	12	16	0	0	7	10	13	0	4	1	2	2	7	4	5	5
Caithness	Wick		1	79	1016·2	–	42·5	1·2	8·2	90	7·7	0	1	4	20	5	0	0	0	0	0	0	2	7	21	0	2	3	7	18	0	3	1	0	3	7	3	6	7
			7	79	1015·5	+7·9	42·3	1·1	8·3	91	8·1	0	1	2	20	7	0	0	0	0	0	0	1	8	21	0	1	3	8	18	0	1	1	0	4	7	3	6	8
			13	79	1015·7	–	45·4	1·7	8·9	87	8·0	0	0	3	23	4	0	0	0	0	0	1	1	7	21	0	2	2	10	16	0	2	1	1	2	6	3	6	9
			18	79	1015·6	–	43·3	1·2	8·6	90	8·0	0	1	4	19	6	0	0	0	0	0	1	1	11	17	0	1	3	9	17	0	2	0	1	3	5	2	8	9
Inverness	Dalwhinnie† ..		7	1180	973·9	–	37·0	1·3	6·6	87	8·5	0	1	3	16	10	0	0	0	0	0	0	6	14	10	0	0	2	5	19	4	6	4	1	1	7	3	2	2
			13	1180	974·1	–	41·6	2·4	7·1	79	9·1	0	0	3	12	15	0	0	0	0	0	1	3	15	11	0	0	1	6	23	0	6	5	0	1	9	6	2	1
			18	1180	974·2	–	38·3	1·7	6·6	84	7·2	0	3	8	11	8	0	0	0	0	0	0	5	13	12	0	0	0	5	19	6	5	3	0	1	8	5	1	1
Inverness	Inverness		9	250	1017·5	–	41·4	1·9	7·4	83	5·4	0	1	25	3	1	0	0	0	0	0	1	3	1	5	20	0	0	3	26	1	1	0	2	11	4	7	3	1
			17	250	1016·6	–	42·9	1·9	7·9	84	5·1	0	4	22	4	0	0	0	0	0	0	0	1	0	11	18	0	0	2	28	0	1	1	2	10	6	8	2	0
1 SCOTLAND, E.																																									
Aberdeen	Aberdeen H		7	85	1016·6	+7·0	41·5	1·7	7·6	85	7·0	0	5	7	10	8	0	0	0	0	1	4	10	5	10	0	0	0	7	20	3	2	0	1	2	5	2	4	11
			13	85	1016·5	+6·8	45·1	2·9	7·8	77	6·7	0	8	3	14	5	0	0	0	1	1	3	11	9	5	0	0	0	12	15	3	3	0	0	3	6	4	2	9
			18	85	1016·7	+6·8	43·1	1·9	7·9	83	6·0	0	9	5	11	5	0	0	0	1	2	8	4	9	6	0	0	0	6	20	4	1	1	0	2	5	4	2	11
			21	85	1016·9	+7·0	42·7	1·8	7·9	85	6·8	4	3	3	13	7	0	0	1	1	2	5	9	9	3	0	0	0	2	25	3	2	0	0	3	5	4	2	11
			h.*	85	1016·7	+6·9	42·8	2·0	7·9	83																																
Aberdeen	Braemar‡		9	1108	1017·8	–	38·4	1·6	6·7	85	8·4	0	1	4	11	14	0	0	0	1	4	14	11	0	0	0	0	1	3	13	13	1	1	4	0	0	8	1	2
Perth	Crieff		9	482	1017·1	–	41·2	1·9	7·4	83	7·4	3	1	5	8	13	–	–	–	–	–	–	–	–	–	–	0	0	4	26	0	6	1	7	2	2	4	4	4
			21	482	1016·9	–	41·0	2·1	7·1	81	5·9	5	4	7	0	14	–	–	–	–	–	–	–	–	–	–	0	0	1	29	0	5	2	6	1	3	4	5	4
Fife	Inchkeith		1	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			7	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			13	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			18	184	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife	Leuchars.. H		7	36	1017·1	–	39·9	1·7	7·3	85	6·8	1	5	8	8	8	0	1	0	1	0	2	8	4	7	7	0	1	2	22	5	2	0	2	2	0	3	10	6
			13	36	1017·0	–	45·9	2·9	8·3	77	7·4	0	3	6	16	5	0	0	0	0	3	0	11	2	7	7	0	1	6	19	4	4	1	2	2	3	4	8	2
			18	36	1017·1	–	42·0	2·1	7·7	82	6·2	2	6	6	12	4	0	0	0	0	2	1	7	3	12	5	0	1	2	15	12	2	1	2	1	1	2	6	3
Mid Lothian	Edinburgh .. (Blackford Hill)		9	441	1017·9	–	41·6	2·1	7·3	82	7·0	1	4	5	14	6	0	1	0	2	4	4	16	3	0	0	0	1	8	17	4	2	3	1	2	3	9	5	1
			21	441	1017·8	–	41·9	2·2	7·3	81	7·3	2	3	3	12	10	0	0	0	2	5	6	11	2	4	0	0	0	5	17	8	1	2	1	3	2	5	4	4
6a SCOTLAND, W.																																									
Argyll	Tiree		7	40	1015·9	–	45·3	2·3	8·4	82	7·8	0	4	3	15	8	0	0	0	0	0	0	6	7	10	7	0	4	12	14	0	5	4	2	6	5	2	2	4
			13	40	1016·1	–	48·0	3·1	8·7	77	8·0	0	4	0	20	6	0	0	0	0	0	0	6	6	11	7	0	3	15	12	0	5	5	2	4	6	2	2	4
			18	40	1016·1	–	46·6	3·3	8·1	75	7·1	0	6	4	10	10	0	0	0	0	0	0	8	4	12	6	0	5	15	9	1	6	5	1	4	6	1	3	3
Bute	Rothesay		9	187	1016·5	–	43·8	1·7	8·3	86	7·1	0	6	3	14	7	0	0	0	0	1	2	15	2	10	0	0	2	14	13	1	1	2	7	4	4	0	4	7
			21	187	1016·3	–	43·5	1·6	8·3	87	6·1	0	11	2	10	7	0	0	0	0	1	5	0	14	10	0	1	2	13	13	1	2	2	4	5	4	1	2	9
Renfrew	Renfrew .. .. (Abbotsinch)		7	24	1017·4	–	37·8	0·9	7·4	92	6·7	3	5	2	9	11	0	2	2	3	4	4	5	3	7	0	0	0	2	17	11	1	0	3	3	1	5	4	2
			13	24	1017·3	–	45·9	2·9	8·4	78	7·7	0	3	7	9	11	0	0	1	4	2	8	2	3	5	5	0	0	3	22	5	1	2	4	2	2	3	6	5
			18	24	1017·1	–	42·9	2·0	8·0	82	6·5	5	3	4	8	10	0	0	3	3	3	7	1	6	6	1	0	0	4	23	3	3	4	6	3	0	8	3	0
Dumfries	Eskdalemuir‡‡ H		7	778	1017·7	–	38·3	1·2	7·0	88	7·5	0	4	5	8	13	0	0	1	1	1	3	7	7	9	1	0	0	3	22	5	3	6	3	1	4	4	2	2
			13	778	1017·2	–	43·7	2·9	7·4	76	7·8	0	4	2	16	8	0	0	0	0	0	3	4	8	15	0	0	2	8	20	0	6	3	2	4	4	4	3	4
			18	778	1017·5	–	39·7	1·7	7·0	84	6·1	1	9	2	9	9	0	0	1	0	1	0	7	10	11	0	0	0	5	21	4	7	3	2	3	3	5	0	3
			21	778	1017·9	–	38·8	1·5	6·8	85	6·7	2	6	4	7	11	0	0	0	1	1	1	7	13	7	0	0	0	5	20	5	7	4	0	3	3	4	1	3
			h.*	778	1017·6	–	39·6	1·7	7·0	85																																
6b ISLE OF MAN																																									
Isle of Man	Douglas .. H		9	286	1017·3	+5·0	44·8	2·4	8·4	81	6·4	0	3	10	15	2	0	0	1	0	0	1	18	10	0	0	1	7	12	10	0	7	6	5	5	1	2	2	2
			7	31	1016·6	–	46·3	2·2	8·9	83	7·7	0	4	3	13	10	0	0	0	0	0	1	2	12	15	0	2	1	13	12	2	4	4	4	4	6	3	1	2
Isle of Man	Point of Ayre ..		13	31	1016·8	–	48·8	2·6	9·5	82	7·3	0	8	0	13	9	0	0	0	0	0	0	4	11	15	0	1	2	15	12	0	7	3	3	5	6	3	1	2
			18	31	1016·6	–	46·9	2·2	9·1	83	7·0	0	8	3	8	11	0	0	0	0	0	0	5	11	14	0	1	3	14	12	0	5	3	3	6	4	3	2	4
2 ENGLAND, N.E.																																									
Northumberland	Cockle Park ..		9	331	1017·3	–	41·6	1·7	7·7	85	7·7	0	4	3	12	11	0	0	0	0	7	2	4	0	11	6	0	1	4	21	4	5	1	0	7	2	2	3	6
			21	331	1017·3	–	41·4	1·7	7·5	85	7·8	0	2	8	6	14	1	1	0	1	5	3	6	0	12	1	0	1	5	16	8	4	0	0	4	2	2	5	5
Northumberland	Tynemouth ..		1	122	1017·2	–	43·5	1·8	8·2	85	7·7	1	4	5	5	15	0	0	0	2	2	1	9	13	3	0	0	1	6	23	0	3	4	1	4	3	3	11	1
			7	122	1016·9	+5·7	42·7	1·7	8·0	85	7·1	0	5	8	6	11	0	0	0	0	3	1	11	12	3	0	0	1	6	22	1	5	0	1	6	2	3	9	3
			13	122	1017·0	–	45·7	2·6	8·4	80	7·8	0	0	9	13	8	0	0	0	2	7	2	9	8	2	0	0	0	8	22	0	4	2	2	5	3	4	7	3
			18	122	1016·9	–	44·9	2·4	8·2	81	7·6	0	2	8	10	10	0	0	0	2	1	4	14	7	2	0	0	3	3	24	0	5	2	2	3	4	5	6	3

* Mean of hourly readings. † Pressure at Station level. ‡ Mean pressure at Station Level is 975·6 mb. ‡‡ Mean pressures at Station Level are 988·4 mb. at 7 h., 988·2 mb. at 13 h., 988·3 mb. at 18 h., and 988·7 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 NOVEMBER, 1937

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							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
												0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
Durham	Durham		9	352	1018·0	-	41·3	1·4	7·7	87	7·7	1	4	4	3	18	0	2	5	3	4	2	7	6	1	0	0	0	0	22	8	3	0	1	2	3	3	2	8
			21	352	1017·7	-	41·1	1·2	7·8	89	6·2	8	2	3	1	16	0	3	0	0	0	3	12	12	0	0	0	0	0	21	9	3	2	0	3	2	5	1	5
Yorks., N. Riding	Catterick ..	H	7	186	1017·4	-	39·6	1·2	7·6	89	6·9	1	8	2	6	13	0	0	3	4	2	0	5	9	6	1	0	0	3	21	6	1	1	2	2	7	1	2	8
			13	186	1017·4	-	45·2	2·8	8·1	77	7·6	0	3	4	12	11	0	1	0	0	0	3	8	9	9	0	0	0	4	19	7	3	4	1	3	5	1	2	4
			18	186	1017·3	-	41·3	1·5	7·9	86	6·3	6	5	0	5	14	0	2	0	2	2	3	6	11	4	0	0	0	3	18	9	2	2	2	2	3	2	2	6
Yorks., N. Riding	Scarborough ..		9	96	1017·0	-	44·3	2·2	8·0	82	6·8	0	6	6	14	4	0	0	1	0	2	4	12	4	7	0	1	2	4	23	0	4	0	1	7	3	3	4	8
			9	53	1018·3	-	40·3	1·2	7·6	89	6·6	2	8	2	2	16	-	-	-	-	-	-	-	-	-	-	0	0	0	28	2	11	0	0	2	7	2	3	3
	York		21	53	1017·8	-	41·5	1·2	7·9	89	6·1	7	5	0	2	16	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	14	0	2	3	5	2	4	0
Yorks., E. Riding	Spurn Head ..		1	28	1016·9	-	44·2	0·7	9·3	94	7·9	5	0	3	9	13	0	1	0	1	1	3	13	9	2	0	0	5	9	14	2	3	1	3	5	2	3	4	7
			7	28	1016·7	+4·5	43·7	0·5	9·3	96	7·0	1	1	9	10	9	0	2	1	1	1	3	14	8	0	0	0	6	10	12	2	4	3	4	2	2	2	3	8
			13	28	1017·1	-	46·7	1·1	9·9	92	7·9	0	1	7	11	11	0	0	0	2	1	2	16	8	1	0	0	6	7	14	3	3	3	2	3	2	4	1	9
			18	28	1016·8	-	45·2	0·8	9·6	94	6·8	3	3	6	7	11	0	0	0	1	1	0	14	10	4	0	0	7	9	13	1	2	3	5	3	2	3	5	6
Lincoln	†Cranwell ..	H	7	208	1017·3	-	39·6	0·7	8·0	93	7·4	1	5	4	7	13	0	3	1	3	3	6	7	7	0	0	0	0	4	22	4	4	1	6	2	1	3	6	3
			13	208	1017·4	-	45·8	2·3	8·8	82	7·2	0	7	2	12	9	0	1	0	1	4	6	11	6	1	0	0	0	6	21	3	2	3	6	1	1	4	3	7
			18	208	1017·4	-	42·0	1·1	8·4	90	7·0	3	5	2	8	12	0	1	0	3	3	8	10	5	0	0	0	0	5	24	1	2	5	7	0	2	4	5	4
3 ENGLAND, E.																																					
Norfolk	Cromer ..	H	9	74	-	-	45·2	1·4	9·3	88	7·8	2	0	7	9	12	0	0	0	1	0	8	21	0	0	0	0	7	4	19	0	4	2	4	6	5	1	3	5
Norfolk	Yarmouth.. ..		1	26	1016·6	-	43·1	1·1	8·5	91	6·8	5	2	4	8	11	0	0	0	1	2	3	15	9	0	0	0	3	4	22	1	2	1	6	3	1	6	7	3
			7	26	1016·4	+3·3	43·2	1·4	8·3	88	8·0	1	1	6	11	11	0	0	0	0	0	5	19	6	0	0	0	3	6	20	1	2	1	5	3	0	7	7	4
			13	26	1016·7	-	47·0	2·5	8·9	81	7·8	1	1	5	14	9	0	0	0	0	2	0	22	6	0	0	0	1	10	17	2	4	3	5	3	2	3	3	5
			18	26	1016·7	-	45·5	2·4	8·0	81	7·4	2	3	4	8	13	0	0	1	0	1	3	16	9	0	0	0	1	10	17	2	2	4	5	1	3	3	4	6
Suffolk	Felixstowe Aero.		7	20	1016·7	-	42·1	0·8	8·5	93	7·4	0	6	3	7	14	0	0	1	4	6	8	6	3	2	0	0	1	4	25	0	4	1	5	2	1	4	6	7
			13	20	1017·0	-	47·4	2·8	8·8	79	6·8	2	5	4	12	7	0	0	0	1	0	5	12	7	6	0	0	1	6	21	2	2	1	5	5	0	3	6	6
			18	20	1017·1	-	44·8	2·0	8·4	84	5·5	6	4	6	5	9	0	0	1	1	1	7	11	7	2	0	0	0	9	19	2	2	1	8	2	1	3	6	5
Suffolk	Mildenhall ††		7	40	1016·8	-	39·0	0·5	8·0	96	7·4	1	6	2	4	17	0	5	1	1	3	4	11	3	2	0	0	0	5	25	0	4	2	6	2	1	6	6	3
			13	40	1016·9	-	46·6	2·2	9·2	83	7·1	1	6	2	12	9	0	0	1	0	1	2	17	4	5	0	0	0	12	16	2	2	4	4	0	6	3	5
			18	40	1016·9	-	41·8	1·0	8·5	92	5·2	5	10	2	3	10	1	1	1	1	1	10	9	4	2	0	0	0	7	22	1	1	6	5	3	1	6	2	5
Cambridge	Cambridge	H	9	43	1017·4	+3·1	41·5	1·0	8·5	92	6·6	4	3	4	5	14	-	-	-	-	-	-	-	-	-	-	0	0	0	27	3	1	3	3	6	1	5	0	8
			21	43	1017·5	+3·2	41·4	1·0	8·3	91	5·3	11	2	1	5	11	-	-	-	-	-	-	-	-	-	-	0	0	0	29	1	1	2	3	6	3	3	3	8
Hertford	Rothamsted ..		9	396	1017·4	-	40·8	0·7	8·2	93	7·5	1	7	0	6	16	2	1	0	4	1	16	6	0	0	0	0	0	2	23	5	3	4	4	0	2	2	4	6
Essex	Shoeburyness	H	7	12	1016·9	-	40·7	0·7	8·3	93	6·9	2	7	0	9	12	1	3	0	0	7	5	8	5	1	0	0	1	4	22	3	3	2	5	3	0	3	5	6
			13	12	1017·0	-	47·4	2·4	9·3	82	6·7	3	4	5	8	10	0	1	0	1	3	2	13	6	4	0	0	0	6	23	1	3	1	9	3	1	3	3	6
			18	12	1017·1	-	43·0	1·4	8·6	89	4·9	8	6	2	7	7	0	0	1	3	3	5	7	7	4	0	0	0	5	24	1	3	2	7	2	1	3	6	5
4 MIDLAND COUNTIES																																					
Yorks., W. Riding	Harrogate.. ..		9	478	1 18·0	-	40·2	1·4	7·4	87	7·4	2	5	1	11	11	0	6	2	3	0	8	1	5	5	0	0	0	1	22	7	3	0	4	1	4	5	4	2
Nottingham	Nottingham ..		9	215	1017·3	-	40·7	1·8	7·4	84	6·3	7	5	1	1	16	3	3	6	4	12	1	1	0	0	0	0	0	2	28	0	6	4	7	1	1	1	8	2
Warwick	Birmingham	H	7	542	1017·2	-	40·0	1·0	7·8	90	8·0	2	3	1	4	20	1	4	0	1	8	7	7	1	1	0	0	0	3	25	2	4	3	6	4	0	5	1	5
			13	542	1017·2	-	44·7	·6	8·0	79	7·2	3	4	2	8	13	0	0	2	4	9	6	7	2	0	0	0	0	2	28	0	3	3	7	3	4	3	1	6
			18	542	1017·2	-	43·0	1·9	8·1	83	6·4	4	6	1	6	13	0	0	0	3	7	12	5	2	1	0	0	0	2	28	0	4	4	6	2	4	3	3	4
Oxford	Oxford		9	212	1017·9	+2·9	39·7	1·0	7·6	91	6·9	5	4	0	4	17	0	5	1	3	6	4	10	1	0	0	0	0	2	24	4	5	6	4	2	2	2	2	3
Shropshire	Shrewsbury	H	9	186	1017·9	-	39·7	0·9	7·8	91	7·7	0	5	6	1	18	0	4	1	0	2	2	13	0	8	0	0	0	5	12	13	4	0	7	0	2	1	3	0
Hereford	Ross-on-Wye	H	7	226	1017·0	-	38·3	0·9	7·5	92	8·1	1	4	0	7	18	0	4	0	5	4	5	6	2	4	0	0	0	1	25	4	3	5	7	1	2	6	2	0
			13	226	1016·9	-	44·2	2·1	8·7	83	7·4	2	6	0	8	14	0	2	2	1	6	5	6	2	6	0	0	0	0	25	0	4	4	7	1	2	5	3	4
			18	226	1017·1	-	41·9	1·5	8·0	87	6·3	5	6	1	6	12	0	2	2	2	7	9	5	2	1	0	0	0	0	28	2	5	4	8	2	3	3	2	1
			21	226	1017·3	-	40·2	1·2	7·8	89	5·8	6	7	0	4	13	0	3	0	4	6	8	6	1	2	0	0	0	1	25	4	3	4	5	2	2	5	3	2
Gloucester	Cheltenham	H	9	230	1018·2	-	41·5	1·5	7·8	87	8·0	1	4	3	7	15	0	1	0	6	3	12	2	6	0	0	0	0	0	19	11	1	1	2	3	5	2	1	4
			21	230	1019·0	-	40·9	1·1	7·9	89	6·8	1	4	8	6	11	0	0	1	1	2	2	5	18	1	0	0	0	0	26	4	3	3	3	3	2	3	4	5
5 ENGLAND, S.E.																																					
London	*g* Greenwich	H	9	152	1017·6	+2·7	41·4	1·0	8·3	91	7·0	5	2	2	6	15	4	2	1	6	9	7	1	0	0	0	0	0	5	21	4	3	2	6	3	2	4	5	1
			15	152	1016·7	+2·5	45·5	2·5	8·5	80	7·2	2	4	3	12	9	0	1	4	3	7	11	4	0	0	0	0	0	7	21	2	6	3	5	5	1	4	2	2
			21	152	1017·5	+2·6	41·5	1·2	8·1	89	4·3	9	9	1	1	10	0	2	2	7	4	9	6	0	0	0	0	0	5	23	2	4	4	6	4	2	6	1	1
			h.*	152	1017·1	+2·5	42·0																															
London	Kew Obs'y.	H	7	34	1017·1	+2·6	39·8	0·6	8·1	94	8·0	3	2	1	5	19	0	9	2	1	0	15	3	0	0	0	0	0	2	21	7	1	5	6	1	1	6	2	1
			13	34	1017·1	+2·7	45·4	2·4	8·5	81	7·4	4	1	4	10	11	0	3	4	3	3	7	10	0	0	0	0	0	6	23	1	2	4	6	2	2	6	2	5
			18	34	1017·2	+2·5	43·0	1·8	8·3	86	6·4	5	4	3	5	13	4	2	0	2	3	5	10	4	0	0	0	0	3	24	3	2	5	5	2	3	2	6	2
			21	34	1017·5	+2·6	41·6	1·3	8·2	89	6·7	7	1	4	3	15	3	4	0	1	5	4	9	4	0	0	0	0	1	24	5	2	4	5	2	3	4	1	4
			h.*	34	1017·2	+2·6	42·0	1·3	8·3	89																													
London	Kensington ..		9	66	1018·2	-	41·6	1·1	8·1	90	7·7	3	3	2	4	18	0	2	7	3	10	8	0	0	0	0	0	0	0	30	0	3	6	6	2	0	3	4	6
			15	—	-	-	45·8	2·6	8·4	80	7·5	1	3	6	8	12	-	-	-	-	-	-	-	-	-	-	0	0	0	30	0	4	4	4	4	0	2	2	10
			18	—	-	-	44·6	2·2	8·2	82	7·6	5	1	2	3	19	-	-	-	-	-	-	-	-	-	-	0	0	0	29	0	5	4	2	4	3	2	2	8
Surrey	Croydon ..	H	1	225	1017·2	-	39·8	0·8	8·0	93	6·0	9	2	2	3	14	1	1	1	6	5	3	6	6	1	0	0	0	1	25	2	1	2	7	3	5	4	4	2
			7	225	1017·2	-	39·3	0·6	7·9	94	7·1	2	3	6	5	14	2	0	2	4	4	6	8	2	2	0	0	0	1	26	3	2	3	6	3	3	4	4	2
			13	225	1017·2	-	46·1	2·3	8·9	82	7·4	1	4	5	10	10	0	2	1	4	4	9	3	1	0	0	0	0	5	24	1	3	4	7	3	1	2	3	6
			18	225	1017·2	-	42·5	1·4	8·3	88	6·3	3	6	4	8	9	1	1	2	7	11	3	5	0	0	0	0	0	3	25	2	2	3	7	2	3	4	4	3
Surrey	Wisley		9	85	1017·1	-	40·3	1·3	7·5	89	8·2	1	3	2	6	18	0	6	1	1	7	3	12	0	0	0	0	0	3	24	6	2	5	4	3	2	3	5	0

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936.

†† New Site as from Sept. 8th 1937.

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, 1937

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	CLOUD AMOUNT: No. of Observations 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: Number of Observations — Fog 0	1	2	3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility 7	8	9	WIND, Number of Observations — Force (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	mb	mb	°F	°F	mb	%																												
		7	572	1017·3	-	39·4	0·7	7·9	93	7·6	1	5	2	8	14	1	4	5	0	5	2	6	4	3	0	0	0	7	16	7	1	4	4	3	2	3	3	3
Kent	Biggin Hill H	13	572	1017·1	-	45·2	2·3	8·5	82	7·0	1	5	5	7	12	0	1	2	5	4	6	8	3	1	0	0	0	9	19	2	2	6	4	4	1	2	4	5
		18	572	1017·3	-	41·2	1·5	7·8	86	5·8	4	5	5	7	9	1	1	0	2	8	6	9	3	0	0	0	0	6	22	2	3	5	6	3	2	4	2	3
		7	—	-	-	40·9	0·8	8·1	93	5·6	5	6	5	8	6	2	1	2	3	1	3	11	7	0	0	0	1	5	21	3	8	0	6	2	2	2	2	5
Kent	Dungeness ..	13	—	-	-	48·8	2·7	9·4	80	6·8	2	2	9	11	6	0	0	0	1	1	2	16	10	0	0	0	1	7	20	2	4	4	5	5	2	3	2	3
		18	—	-	-	45·8	2·2	8·6	82	6·0	2	7	8	6	7	0	0	0	2	0	3	13	12	0	0	0	0	9	18	3	4	3	5	3	3	4	1	4
		1	345	1017·1	-	41·0	1·2	8·0	89	4·8	10	6	0	6	8	1	1	1	0	2	7	8	7	3	0	0	0	5	25	0	6	1	6	6	0	2	1	8
Kent	Lympne .. H	7	345	1017·1	-	40·2	1·0	7·9	91	6·4	2	9	1	7	11	0	5	0	2	1	10	4	6	2	0	0	0	5	24	1	8	4	6	2	0	2	2	5
		13	345	1017·1	-	46·5	2·9	8·5	78	6·5	2	5	7	8	8	0	1	1	1	0	6	11	5	5	0	0	0	10	19	1	5	2	6	4	0	3	2	7
		18	345	1017·3	-	42·3	1·7	8·0	85	5·9	4	6	3	11	6	0	1	0	3	1	6	15	3	1	0	0	0	5	25	0	4	5	5	2	3	3	2	6
		1	141	1016·7	-	42·6	1·5	8·3	87	4·9	9	4	4	6	7	0	2	0	2	4	4	4	8	6	0	0	0	7	20	3	1	2	2	8	4	2	2	6
Kent	Manston	7	141	1016·6	-	41·9	1·0	8·5	91	7·6	1	5	2	9	13	0	3	0	2	8	5	4	4	4	0	0	0	6	20	4	2	1	4	4	1	3	6	5
		13	141	1016·7	-	47·3	2·9	8·8	78	6·9	2	5	5	10	8	0	0	1	1	0	8	10	9	1	0	0	0	10	19	1	2	1	6	6	0	3	3	8
		18	141	1016·9	-	43·9	2·1	9·2	83	6·0	0	8	8	8	6	0	0	0	1	5	5	11	5	3	0	0	0	7	23	0	2	2	6	4	1	5	2	8
Kent	Tunbridge Wells ..	9	407	1017·8	-	39·6	0·5	7·9	95	6·2	6	5	2	4	13	0	2	1	3	3	17	1	3	0	0	0	1	0	29	0	2	7	4	3	1	3	4	6
Sussex	Brighton .. H	9	48	1017·6	-	43·7	1·5	8·4	85	6·3	4	8	0	4	14	0	0	0	7	6	12	3	1	1	0	0	0	0	30	0	10	9	3	2	3	0	2	1
		9	154	1017·6	-	44·5	1·7	8·7	86	5·1	6	9	0	6	9	0	0	1	0	5	8	11	1	4	0	0	0	4	25	1	8	7	4	3	1	2	1	3
Sussex	Hastings .. H	21	154	1017·6	-	44·1	1·8	8·5	85	4·7	13	2	1	8	6	0	0	1	1	11	3	8	2	4	0	0	0	3	27	0	6	8	3	3	2	3	1	4
		7	15	1016·7	-	42·2	0·8	8·5	93	6·4	1	10	0	7	12	0	1	1	3	3	2	8	7	5	0	0	1	5	23	1	7	6	3	2	1	1	3	6
Hampshire	Calshot	13	15	1016·9	-	47·8	2·1	9·5	84	6·8	3	5	2	12	8	0	0	1	0	1	4	17	7	0	0	0	2	8	17	3	3	7	4	2	2	2	0	7
		18	15	1016·9	-	45·2	1·2	9·3	91	5·1	8	6	3	3	10	0	0	1	0	0	2	15	9	3	0	0	1	6	20	3	4	8	2	3	2	1	3	4
Hampshire	Southampton ..	9	84	1017·5	+2·2	41·6	1·4	7·8	87	6·9	7	1	2	5	15	0	1	1	4	7	9	8	0	0	0	0	0	0	30	0	7	11	3	1	1	0	3	4
		21	84	1017·5	+2·5	43·2	1·6	8·2	86	4·5	13	2	2	6	7	0	1	3	1	3	10	12	0	0	0	0	1	1	26	2	8	11	2	1	1	2	1	2
		7	231	1016·9	-	37·4	0·5	7·6	94	6·8	3	5	3	6	13	2	3	2	2	5	6	6	3	1	0	0	0	1	24	5	3	3	7	1	1	1	5	4
Hampshire	S. Farnborough† H	13	231	1017·0	-	46·2	2·5	8·8	81	7·1	2	4	3	13	8	0	0	1	4	1	8	11	4	1	0	0	0	6	22	2	4	1	7	5	0	2	4	5
		18	231	1017·1	-	41·6	1·2	8·2	90	7·0	2	2	9	3	14	1	2	4	1	5	7	9	1	0	0	0	0	0	22	8	2	3	8	0	2	1	4	2
I. of Wight	Ventnor (Hosp.)	9	80	1016·5	-	46·8	2·2	9·0	83	6·1	1	10	2	8	9	-	-	-	-	-	-	-	-	-	-	0	0	5	25	0	5	7	6	5	0	2	1	4
		15	80	1016·0	-	48·3	2·9	9·0	78	6·2	1	9	4	7	9	-	-	-	-	-	-	-	-	-	-	0	1	2	27	0	8	5	4	5	1	3	3	1
		7	420	1016·9	-	38·1	0·6	7·6	94	7·0	3	6	1	4	16	0	0	6	2	0	4	10	7	1	0	0	0	4	25	1	5	5	9	2	1	1	3	3
Wiltshire	Amesbury H (Boscombe Down)	13	420	1017·0	-	45·5	2·0	8·8	84	7·0	2	3	7	8	10	0	0	0	1	0	4	14	10	1	0	0	0	9	21	0	6	4	8	4	2	2	1	3
		18	420	1017·0	-	42·2	1·2	8·4	89	6·0	5	5	4	6	10	0	0	1	0	1	7	17	3	1	0	0	0	3	25	2	4	6	8	1	2	1	2	4
		9	444	1017·3	-	39·5	0·8	7·8	92	7·0	2	5	3	6	14	0	1	0	2	2	4	9	11	1	0	0	0	6	22	2	2	9	7	1	1	2	2	4
Wiltshire	Larkhill .. H	13	444	1017·0	-	45·8	2·3	8·7	82	6·2	1	9	3	6	11	0	0	0	0	4	2	10	11	3	0	0	0	6	21	3	4	5	7	2	3	2	2	2
		15	444	1016·7	-	45·3	2·3	8·5	81	6·4	1	8	4	7	10	0	0	0	1	3	3	8	10	5	0	0	0	8	18	4	3	5	5	3	1	3	1	5
7a ENGLAND, N.W.																																					
Lancashire	Hutton	9	86	1016·6	-	40·6	1·4	7·5	88	6·7	0	4	9	17	0	-	-	-	-	-	-	-	-	-	-	0	0	0	5	25	0	0	0	4	1	0	0	0
		7	83	1017·5	-	38·4	1·1	7·4	90	7·1	2	6	2	3	17	3	2	1	2	4	7	10	1	0	0	0	0	3	21	6	3	6	6	3	2	0	1	3
Lancashire	Manchester H (Barton)	13	83	1017·4	-	45·5	2·6	8·4	79	7·1	0	8	3	5	14	1	0	2	6	5	8	3	5	0	0	0	0	7	20	3	2	6	5	3	3	1	4	3
		18	83	1017·3	-	41·2	1·3	8·1	88	6·1	5	5	5	3	12	1	0	2	5	11	6	5	0	0	0	0	0	3	23	4	2	6	4	4	4	0	2	4
		9	127	1017·7	-	40·8	1·7	7·3	85	8·0	3	1	2	8	16	-	-	-	-	-	-	-	-	-	-	0	0	0	25	5	2	4	8	3	4	2	1	1
Lancashire	Manchester (Whitworth Pk.)	21	127	1017·4	-	41·7	1·7	7·6	85	7·8	4	2	1	5	18	-	-	-	-	-	-	-	-	-	-	0	0	1	26	3	2	3	10	4	6	0	1	1
		9	37	1017·9	+4·7	41·5	1·6	7·9	86	6·9	1	7	2	8	12	0	0	0	2	7	15	1	2	3	0	0	0	4	25	1	3	3	8	9	4	0	1	1
Lancashire	Southport* H (Bedford Rd. Park)	15	37	1016·8	-	45·9	2·8	8·4	78	7·5	0	4	5	9	12	0	0	0	1	7	10	6	1	5	0	0	0	9	21	0	4	3	7	4	6	0	1	5
		21	37	1017·4	+4·2	41·9	1·4	8·2	88	6·6	5	6	0	3	16	0	0	1	4	7	12	2	3	1	0	0	0	6	22	2	3	6	5	8	4	0	0	2
		9	381	1018·4	-	40·4	1·6	7·3	85	6·4	5	4	2	6	13	0	0	0	2	3	3	15	5	2	0	0	0	2	26	2	6	11	3	1	2	1	4	0
Lancashire	Stonyhurst ..	21	381	1018·6	-	41·1	1·3	7·8	89	7·5	4	2	1	7	16	0	0	0	0	5	8	9	8	0	0	0	0	2	27	1	5	11	3	0	3	3	2	2
Cheshire	Bidston Obs'y. ..	9	202	1018·0	-	42·7	2·1	7·7	82	7·7	0	3	5	8	14	0	1	9	1	6	7	2	3	1	0	0	0	7	22	1	4	2	8	7	4	1	2	1
7b NORTH WALES.																																					
		7	19	1017·3	-	39·5	1·1	7·7	90	7·1	3	6	0	5	16	1	2	3	0	9	4	8	2	1	0	0	0	2	28	0	1	3	6	9	1	0	5	5
Flint	Sealand .. H	13	19	1017·4	-	46·3	3·0	8·3	76	6·9	2	5	5	6	12	0	1	0	2	5	3	13	6	0	0	0	1	5	24	0	2	2	3	11	1	1	4	6
		18	19	1017·3	-	42·7	1·7	8·1	84	6·	3	9	·1	3	14	0	1	1	7	2	6	10	3	0	0	0	0	4	23	3	2	4	3	6	1	1	3	7
		1	29	1016·1	-	47·0	2·3	9·2	83	6·7	1	11	0	5	13	0	0	0	0	0	2	4	10	14	0	0	1	17	12	0	1	7	7	5	4	2	1	3
Anglesey	Holyhead .. H	7	29	1015·9	+3·7	46·8	2·4	9·0	81	7·8	0	2	7	10	11	0	0	0	0	1	0	5	3	14	7	1	1	15	12	1	4	5	4	6	6	1	2	1
		13	29	1016·2	-	49·1	3·2	9·2	77	7·8	0	4	3	15	8	0	0	0	0	0	1	5	7	8	9	0	1	16	12	1	2	4	8	4	3	2	3	3
		18	29	1016·1	-	48·0	2·4	9·4	81	8·4	0	3	2	10	15	0	0	0	0	0	4	6	6	13	1	0	0	22	7	1	5	4	8	3	3	2	0	4
Carnarvon	Llandudno ..	9	33	1017·5	-	45·5	2·7	8·1	78	7·9	1	3	1	20	5	0	0	0	0	3	3	3	3	17	1	0	0	3	27	0	3	2	14	1	4	2	3	1
8a SOUTH WALES.																																					
Cardigan	Ciliau Aeron ..	9	256	1016·7	-	-	-	-	-	7·1	5	0	4	12	9	0	0	0	0	1	16	13	0	0	0	0	2	6	22	0	7	2	8	7	2	2	1	1
		1	152	1015·8	-	46·6	2·0	9·1	84	7·0	2	4	3	11	10	0	0	0	1	0	1	6	10	12	0	2	0	8	19	1	0	7	12	3	4	1	1	1
Pembroke	St. Ann's Head ..	7	152	1015·3	+2·5	46·6	1·9	9·2	85	7·9	0	4	3	14	9	0	1	0	0	0	1	6	13	9	0	1	1	12	16	0	1	7	9	5	4	1	1	2
		13	152	1015·9	-	49·3	2·7	9·6	80	7·4	0	5	4	9	12	0	0	0	0	0	1	10	8	10	1	1	5	6	17	1	1	6	8	5	4	2	2	1
		18	152	1015·7	-	47·7	2·3	9·3	82	7·7	0	3	6	13	8	0	0	0	0	0	2	6	12	10	0	2	1	7	18	2	3	4	10	4	3	3	0	1

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside.

† New site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	NO. OF OBSERVATIONS: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: NUMBER OF OBSERVATIONS: Fog 0	Fog 1	Fog 2	Fog 3	Mist 4	Poor Vis. 5	Mod. Vis. 6	Good Visibility 7	Good Visibility 8	Good Visibility 9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a SOUTH WALES—*cont.*	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
Radnor Llandrindod Wells	9	725	1018·1	–	41·0	0·9	8·0	92	8·3	0	2	4	8	16	0	1	1	2	1	5	9	7	4	0	0	0	3	27	0	0	4	5	9	6	3	2	1
Rhayader	9	—	–	–	39·2	1·1	7·3	90	8·4	1	3	2	3	21	0	2	1	0	3	4	13	1	6	0	0	0	1	29	0	4	5	9	3	2	4	3	1
Glamorgan Cardiff	9	203	1017·5	–	41·5	1·1	8·0	90	8·3	4	0	1	5	20	1	3	1	0	4	11	8	1	1	0	0	0	5	25	0	5	13	3	2	1	2	3	3
	21	203	1017·8	–	41·9	1·1	8·2	90	6·1	10	0	2	3	15	1	1	0	0	0	2	22	1	3	0	0	0	3	27	0	0	1	17	3	0	3	3	3
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1017·3	–	40·7	1·0	7·9	91	8·2	2	3	0	6	19	0	3	1	1	10	7	6	1	1	0	0	0	3	27	0	6	6	12	2	1	1	2	0
Dorset Holton Heath H	9	58	1017·0	–	42·9	1·2	8·7	90	7·1	4	5	1	2	18	0	1	1	0	8	8	6	6	0	0	0	0	1	11	16	3	2	5	5	7	2	2	1
	15	58	1017·3	–	46·8	2·6	8·9	79	6·4	5	4	4	3	14	0	0	0	0	4	7	5	14	0	0	0	0	1	8	17	4	1	5	6	5	4	2	1
	1	37	1015·4	–	47·3	1·9	9·5	85	6·1	5	4	4	7	10	0	0	0	0	0	0	3	22	5	0	0	0	2	9	19	0	4	7	8	3	4	2	1
Dorset Portland Bill ..	7	37	1015·2	+1·8	46·9	1·6	9·6	87	7·4	1	6	2	7	14	0	0	0	0	1	0	3	15	10	0	0	0	2	14	14	0	3	9	7	4	3	1	2
	13	37	1015·7	–	49·9	2·3	10·2	83	7·8	3	2	3	3	19	0	0	0	0	1	0	3	16	10	0	0	0	4	13	13	0	2	9	7	3	3	1	1
	18	37	1015·6	–	48·5	2·1	9·8	84	6·7	4	2	6	8	10	0	0	0	0	1	0	6	20	4	0	0	0	3	9	18	0	4	7	8	3	3	1	1
Devon Moretonhampstead	9	801	1016·5	–	41·9	1·0	8·5	91	7·0	4	3	3	6	14	0	2	1	1	1	2	6	4	10	3	0	0	0	22	8	2	3	4	8	2	1	1	3
	15	801	1015·7	–	46·0	2·4	8·7	81	7·3	0	7	2	13	8	0	0	1	0	2	0	4	7	15	1	0	0	3	21	6	3	3	4	8	1	1	1	3
Devon Plymouth H	7	27	1015·4	–	44·4	1·5	9·0	88	6·4	1	10	0	9	10	0	0	0	0	0	1	0	10	4	15	1	0	0	7	18	5	4	5	8	2	3	1	1
(Mount Batten) ..	13	27	1015·7	–	50·8	3·7	9·5	74	7·2	1	6	2	13	8	0	0	0	0	1	1	6	7	13	2	0	0	0	6	23	1	4	0	6	7	3	5	1
	18	27	1015·7	–	48·1	2·7	9·3	80	6·5	0	9	2	14	5	0	0	0	0	0	5	15	6	4	0	0	0	0	4	22	4	2	4	12	2	2	3	1
	1	240	1014·6	–	48·2	2·3	9·5	83	6·3	0	9	5	8	8	0	0	0	0	0	0	2	6	22	0	0	0	3	17	10	0	2	5	9	5	3	0	2
Cornwall The Lizard ..	7	240	1014·5	–	47·9	2·0	9·6	85	7·5	0	4	6	9	11	0	0	0	0	0	1	1	8	20	0	0	1	17	12	0	5	5	7	4	4	1	2	1
	13	240	1014·9	–	52·0	3·3	10·2	77	7·8	0	2	9	8	11	0	0	0	0	0	2	2	6	20	0	0	3	13	13	1	3	5	9	7	5	3	1	2
	18	240	1014·8	–	49·1	2·1	10·0	85	7·6	0	7	3	7	13	0	0	0	0	0	1	0	11	18	0	1	2	15	12	0	5	5	7	6	3	1	2	1
Cornwall Newquay ..	9	185	1015·0	–	47·7	1·8	9·7	86	6·9	2	4	6	7	11	0	0	0	0	0	0	9	9	10	2	0	0	4	26	0	0	3	2	14	6	2	0	3
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1016·6	–	42·2	1·1	8·3	90	7·1	4	0	7	8	11	0	0	1	0	0	0	11	6	12	0	0	1	3	19	7	4	2	3	4	8	1	0	1
	21	127	1015·9	–	44·1	1·1	8·9	90	8·0	1	1	5	9	14	0	1	0	1	0	1	5	11	11	0	0	1	3	11	15	2	2	4	3	4	0	3	0
	1	28	1015·3	–	47·3	1·9	9·5	85	7·4	1	2	9	5	13	0	0	0	0	0	0	1	14	15	0	1	6	6	10	7	0	4	5	2	7	0	3	1
Mayo Blacksod Point ..	7	28	1014·9	–	47·0	2·1	9·2	84	8·0	0	4	2	11	13	0	0	0	0	0	0	0	13	17	0	0	6	8	12	4	1	3	6	6	5	0	4	4
	13	28	1015·3	–	48·9	2·8	9·4	80	7·3	0	3	5	11	11	0	0	0	0	0	0	0	8	16	6	1	5	12	11	1	2	5	6	2	6	2	4	2
	18	28	1015·3	–	47·4	2·3	9·2	83	7·8	0	2	8	8	12	0	0	0	0	0	0	0	12	17	1	1	3	10	13	3	2	6	3	3	4	2	5	2
	1	87	1015·5	–	46·4	0·8	10·1	94	7·6	1	0	5	19	5	0	0	0	0	0	0	0	3	27	0	0	0	2	9	18	1	7	4	2	3	10	1	2
Donegal Malin Head ..	7	87	1015·1	+6·1	46·1	0·7	10·0	94	8·8	0	0	2	21	7	0	0	0	0	0	0	0	8	22	0	0	0	3	9	18	0	7	3	1	2	12	2	1
	13	87	1015·7	–	48·4	1·1	10·6	91	8·4	0	0	3	21	6	0	0	0	0	0	0	0	6	22	2	0	0	2	12	16	0	10	1	3	3	9	1	1
	18	87	1015·3	–	47·3	0·9	10·3	93	8·1	0	1	3	19	7	0	0	0	0	0	0	0	6	24	0	0	0	3	7	18	2	9	1	3	3	7	2	1
	7	245	1016·5	–	41·8	1·1	8·3	90	8·2	0	4	1	14	11	0	0	1	0	0	2	1	4	18	4	0	0	3	2	20	5	3	4	4	5	5	2	1
Antrim Aldergrove H	13	245	1016·6	–	46·9	2·5	8·9	81	7·9	0	4	2	14	10	0	0	0	0	0	3	9	10	7	1	0	2	8	19	1	4	2	4	6	4	3	2	2
	18	245	1016·6	–	44·0	1·5	8·8	88	7·3	0	9	1	5	15	0	0	0	1	1	1	12	9	5	1	0	2	4	23	1	4	3	4	4	6	4	3	1
	9	209	1016·6	+4·9	42·4	1·0	8·5	90	7·5	3	3	2	6	16	0	0	1	0	7	8	8	5	1	0	0	2	2	25	1	2	3	1	5	8	7	4	2
Armagh Armagh .. H	21	209	1016·7	+4·9	43·3	1·8	8·5	89	6·7	6	3	0	7	14	0	0	0	2	5	9	12	2	0	0	0	2	3	25	0	5	2	1	3	10	4	4	1
10 IRELAND, S.																																					
Dublin Glasnevin	9	56	1016·2	–	44·1	1·5	9·3	95	8·2	0	0	9	6	15	0	1	1	5	7	3	5	2	6	0	0	0	3	26	1	1	5	4	0	2	2	5	7
	21	56	1016·2	–	45·2	1·8	8·8	86	6·7	7	0	4	3	16	0	0	3	7	4	8	1	7	0	0	0	2	28	0	0	9	3	3	1	2	0	6	1
	7	193	1015·2	+2·9	39·7	0·7	7·7	93	7·4	3	3	1	13	10	0	0	0	2	0	0	0	15	13	0	0	1	3	22	4	11	1	0	3	9	4	1	1
Offlay Birr Castle ..	13	193	1015·6	–	46·9	1·8	9·4	86	8·1	1	2	2	13	12	0	0	0	0	0	0	0	11	19	0	0	1	4	26	0	6	5	0	6	8	4	1	1
	18	193	1015·5	–	44·4	1·2	9·0	90	8·0	2	1	3	14	10	0	0	0	0	0	0	0	12	18	0	0	0	2	28	0	8	3	2	4	9	2	0	4
Waterford Seskin, Carrick-on-Suir	9	521	1015·9	–	42·4	0·5	8·8	95	7·9	3	1	2	9	15	0	0	0	0	2	0	10	4	7	7	0	3	4	23	0	5	1	3	4	5	1	4	7
	7	45	1014·2	+1·6	45·8	2·3	8·6	83	6·0	3	6	7	3	11	0	0	0	0	0	1	4	8	16	1	0	4	9	13	4	1	7	10	2	3	2	1	0
Kerry Valentia H	13	45	1014·7	+1·7	49·6	3·2	9·2	76	6·1	0	9	3	15	3	0	0	0	0	0	1	0	4	15	10	0	2	14	13	1	2	10	5	3	5	1	3	0
Observatory	18	45	1014·8	+1·8	48·2	3·2	8·7	80	6·2	0	12	0	9	9	0	0	0	0	0	1	2	5	18	4	0	3	14	9	4	2	6	8	3	4	2	0	1
	21	45	1015·1	+1·8	46·4	2·2	8·9	81	6·0	2	7	6	4	11	0	0	0	0	0	2	3	8	17	0	1	3	9	13	4	0	6	10	3	6	0	1	0
	h.*	45	1014·7	+1·7	47·1	2·6	8·8	81																													
	7	24	1014·8	+1·7	45·6	1·1	9·5	91	6·4	5	4	2	10	9	0	1	0	1	2	2	3	4	17	0	1	2	6	21	0	5	10	3	6	2	2	0	2
Cork Roche's Point ..	13	24	1015·2	–	49·5	2·0	10·3	85	6·7	0	7	4	11	8	0	0	1	1	1	0	4	6	12	5	0	2	8	20	0	4	11	3	5	2	3	1	1
	18	24	1015·4	–	47·6	1·6	9·9	88	6·9	1	5	5	13	6	0	0	0	1	0	1	3	6	17	2	0	4	5	21	0	2	11	4	4	4	3	2	0
11 CHANNEL I. & SCILLY.																																					
	1	199	1014·9	–	49·0	2·1	10·0	85	6·7	4	4	3	8	11	0	0	0	1	0	1	3	9	16	0	0	3	15	11	1	3	4	8	8	2	1	3	0
	7	199	1014·2	+0·9	48·5	2·0	9·9	85	6·9	0	8	3	12	7	0	0	0	0	0	1	2	12	14	2	0	1	16	12	1	1	6	9	4	3	3	1	2
Scilly St. Mary's.. ..	13	199	1014·5	–	51·9	2·9	10·5	80	7·9	0	3	3	15	9	0	0	0	0	1	1	5	10	12	1	0	1	17	11	1	1	9	6	5	4	1	2	2
	18	199	1014·3	–	49·4	2·0	10·3	85	7·2	0	6	4	11	9	0	0	0	0	2	0	3	10	14	1	0	2	18	9	1	2	6	10	4	3	2	2	1
	1	186	1015·7	–	47·9	2·1	9·7	84	6·7	5	2	6	4	13	0	0	0	0	0	1	11	11	4	3	0	0	2	22	6	3	2	8	7	2	0	2	2
Guernsey St. Peter Port H	7	186	1015·7	–	47·1	2·2	9·3	84	7·8	1	2	4	15	8	0	0	0	0	0	0	5	11	8	6	0	0	5	21	4	3	6	5	6	2	3	3	1
	13	186	1015·8	–	51·0	3·4	9·9	76	7·3	1	4	4	18	3	0	0	0	0	2	1	4	13	4	6	0	0	4	24	2	2	4	7	7	3	3	1	0
	18	186	1016·0	–	48·8	2·8	9·5	79	7·0	4	3	3	9	11	0	0	0	0	0	0	13	10	1	6	0	1	5	17	7	3	5	5	4	4	1	0	2
	7	400	1016·8	-1·3	59·9	2·0	15·8	88	6·5	1	6	4	18	1	0	0	0	0	1	0	0	7	11	11	0	0	5	15	10	0	2	7	2	0	0	2	7
GIBRALTAR .. .. H	13	400	1017·1	–	64·2	4·0	16·1	79	6·9	0	6	5	16	3	0	0	0	0	0	0	1	3	14	12	0	0	8	19	3	0	2	6	2	1	0	9	6
	18	400	1016·8	–	62·7	2·7	16·6	85	6·9	0	7	3	16	4	0	0	0	0	0	0	1	3	11	15	0	1	9	17	3	0	2	7	3	1	1	9	4
	21	400	1017·5	–	61·9	2·6	16·2	85	6·6	1	8	2	12	7	0	0	0	0	0	0	1	3	12	14	1	0	5	20	4	1	3	8	0	1	0	7	6
	7	234	1015·1	-1·9	63·6	0·5	15·3	75	5·1	0	13	5	12	0	0	0	0	0	0	0	0	2	20	8	0	2	8	19	1	2	0	1	2	4	6	7	7
MALTA .. .. H	13	234	1014·5	–	67·9	7·1	15·3	65	5·6	0	11	6	12	1	0	0	0	0	0	0	0	3	18	9	0	3	11	16	0	3	2	2	0	4	6	5	8
	18	234	1014·9	–	64·6	4·5	15·9	75	4·2	3	12	6	8	1	0	0	0	0	0	0	0	2	25	3	0	0	10	19	1	3	0	0	1	7	2	9	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 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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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

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DECEMBER, 1937.—Cold; widespread snow and frost from the 4th—21st.

The weather of the month was distinguished by considerable snow and frost during the period 4th–21st. Rainfall was excessive in the eastern and south-eastern districts of Great Britain and deficient on the whole elsewhere.

During the opening days a depression off the west of Ireland moved south-east to the English Channel and then east-north-east to Germany. Rain fell generally and was heavy locally in England; temperature, which was somewhat high over England at first, decreased with the advance of northerly winds in the rear of the depression. Between the 4th and 16th complex depressions moved from the neighbourhood of Iceland south-eastward and then eastward over the British Isles; occasional heavy falls of sleet and snow occurred in some parts, particularly in the north, and caused serious dislocation of road traffic. On the 7th there was heavy snow locally in the south; roads were blocked in the New Forest and snow was reported to be 2 feet deep at Shaftesbury on the 8th and 9th. Severe frost was also experienced; temperature in the screen fell to −7°F. at Braemar and −5°F. at Logie Coldstone on the 13th. Between the 16th and 18th a belt of high pressure passed east over the country; considerable periods of bright sunshine were enjoyed locally but rain fell in some districts and was heavy locally in south-east England on the 16th. On the 19th a shallow depression over Wales moved away south-east.

Subsequently an anticyclone over southern Scandinavia moved south to Germany and later extended westward to France; meanwhile pressure was low westward of the British Isles and mild, mainly southerly winds prevailed. The rise in temperature began in the extreme south-west on the 20th and was experienced over the country generally by the 22nd; in some places the maximum temperature on the 24th was about 20°F. higher than on the 20th. Heavy rain fell locally in the west and north but falls were generally slight in the east.

On the 25th the anticyclone extended northwards and widespread fog occurred over England. Subsequently the anticyclone moved north and then north-west and by the 28th it was situated over Scotland and maintained its position with little change until the end of the month. This was a period of rather dull weather with a little local rainfall; somewhat widespread fog occurred, particularly in England, until the 28th. Temperature fell again appreciably towards the end of the month.

Pressure and Wind.—Mean pressure exceeded the average for the most part except in the south-east of the British Isles where it was somewhat deficient; the deviation from the average at 7h. varied from −2·1 mb. at Kew Observatory to +10·1 mb. at Lerwick. In consequence the mean pressure over the British Isles was very uniform.

Local gales occurred on a number of occasions chiefly from the 2nd–8th, 10th–15th, 20th–22nd and 24th–25th but were not generally severe. Gales were reported on 9 days at Lerwick, 8 days at Wick and 7 days at St. Ann's Head and Valentia Observatory. Among the highest speeds recorded in gusts were 71 m.p.h. at South Shields on the 12th and 70 m.p.h. at the Lizard on the 4th and at Scilly on the 5th.

Winds from between north-west and north-east were somewhat prevalent.

Temperature.—Mean temperature was considerably below the average generally, the deviation from the average for districts 1–10 being −2·9°F. The deficiency was most marked at certain individual stations in Scotland; it amounted to 6·7°F. at Braemar and 6·0°F. at Balmoral and Glenbranter. The period 4th–20th was unusually cold with frequent and sometimes severe frosts; on the 13th temperature in the screen fell to −7°F. at Braemar, −5°F. at Logie Coldstone, −3°F. at Balmoral and 0°F. at Dalwhinnie. The value −7°F. is the lowest temperature recorded under standard conditions anywhere in Scotland since November 14th, 1919 when −10°F. was registered at Braemar. In England and Wales minimum temperatures of 20°F. or below were recorded at numerous stations, while 10°F. was registered at Houghall on the 13th, 11°F. at Newton Rigg on the 12th and 20th, 12°F. at Rhayader on the 10th and 13°F. at Usk on the 18th and at Bellingham on the 13th.

It was mild in England and Wales on the 1st and a mild spell occurred generally from the 22nd–26th. Temperature fell appreciably again in most districts towards the end of the month.

The extremes for the month were:—(England and Wales) 59°F. at Llandudno on the 24th, 10°F. at Houghall on the 13th; (Scotland) 57°F. at Glenbranter on the 24th, −7°F. at Braemar on the 13th; (Ireland) 59°F. at Glasnevin and Trinity College, Dublin, on the 24th, 19°F. at Birr Castle on the 8th, at Markree Castle on the 9th and at Aldergrove on the 18th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the average for the period 1881–1915 was 93, the values for the constituent countries being England and Wales 108, Scotland 76 and Ireland 71. More than the average occurred in the east and south-east of Great Britain and in a few rather isolated areas elsewhere; more than twice the average occurred in a narrow strip extending from Marchmont, Berwickshire, to Felixkirk in the North Riding of Yorkshire and at a few somewhat isolated stations in the east and south-east. Less than 50 per cent of the average was received over a wide area in the north-west and north of Scotland and less than 30 per cent at a number of stations in this area. Less than 50 per cent occurred also at a few stations in the north-west of England, south Wales and County Cork.

Among the heaviest falls in 24 hours were the following:—

2nd 2·11 in. at Ferriby Sluice, Lincoln, 2·20 in. at Doncaster and 1·90 in. at Patrington, Yorkshire.

7th 4·14 in. at Newport, Isle of Wight, 2·52 in. at Calshot, 2·10 in. at Ventnor and 2·09 in. at Ryde.

10th 2·59 in. at Frandy (Perthshire) and 2·12 in. at Tayport, (Fife).

13th 2·46 in. at Gorebridge (Midlothian) and 2·00 in. at West Hopes (E. Lothian).

Snow occurred frequently, particularly from the 4th–20th. The falls were heavy at times and caused serious dislocation of road traffic. The falls of the 7th–8th were heavy in parts of the south of England; roads in the New Forest were blocked. In Scotland the heaviest falls occurred between the 8th and 15th. Snow drifts 6 ft. deep blocked the main road from England to Scotland over Shap Fell and conditions were hardly less severe in many other places; some highland roads remained blocked until the end of the month. Undrifted snow was 18 inches deep at Balmoral on the 15th. In Ireland there was a good deal of snow, some roads being practically impassable. In the north of England "snow-lying" was reported at numerous places from about the 5th–22nd; at Bellingham (Northumberland) it was 14 in. deep on the 13th and 14th and at Durham nearly 11 in. on the 11th.

Local thunderstorms occurred on several days, those on the 7th being somewhat widespread in Scotland and southern England. The storms in southern England on the 7th were accompanied by heavy rain, hail, sleet and snow. At Newport, Isle of Wight, 4·14 inches of rain were measured in the 24 hours ending 9 a.m. on the 8th.

Sunshine.—Sunshine was variable; the percentages of the average for the districts ranged from 64 in England, E. to 138 in Scotland, W. An excess was recorded at most stations in the west and north of Scotland, locally in the east of Scotland and in Ireland and at some stations in England chiefly in the north-west and south-west. On the other hand over England as a whole there was a substantial deficiency and less than the average was registered at a number of stations in Scotland, E. and in Ireland.

Fog.—There was a good deal of fog, chiefly on the 1st, from the 4th–11th, 14th–15th and 18th–28th. The fog on Christmas Day was dense over a large part of England.

Miscellaneous Phenomena.—The aurora was seen in Scotland on 12 nights, the phenomenon being most widely observed on the night of the 24th–25th. Solar halos were noted at Oxford on ten days.

METEOROLOGICAL OFFICE, AIR MINISTRY: G. C. SIMPSON, K.C.B., D.Sc., F.R.S., Director. South Kensington, S.W.7, *January 24th*, 1938.

TABLE I—DISTRICT VALUES— DECEMBER, 1937 [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
	°F	°F	°F	°F	°F	%		%	%
0 SCOTLAND, N.	56	0	-2·3	-	-	46	-6	133	13
Eastern									
1 SCOTLAND, E.	56	-7	-3·1	-	-	132	0	83	15
2 ENGLAND, N.E.	56	10	-2·6	-1·4	-0·9	181	+6	77	13
3 ENGLAND, E.	55	14	-2·7	-0·8	-0·2	151	+3	64	10
4 MIDLAND COUNTIES ..	56	17	-2·6	-1·5	-0·9	87	+4	82	14
5 ENGLAND, S.E.	57	19	-2·5	-1·7	-0·4	145	+2	74	13
Western	57	9	-3·5	-2·5	-1·1	60	-6	138	20
6 SCOTLAND, W. (*and I. of Man*)	59	11	-3·3	-1·7	-0·7	74	-2	104	16
7 ENGLAND, N.W. (*and N. Wales*)	56	12	-3·1	-2·1	-0·4	76	-2	83	16
8 ENGLAND, S.W. (*and S. Wales*)	55	19	-2·6	-1·5	-1·1	79	-4	105	17
9 IRELAND, N. ..	58	19	-2·9	-2·7	-1·3	62	-3	98	18
10 IRELAND, S. ..	54	33	-1·5	-2·0	-0·7	128	+2	80	17
11 CHANNEL I. (*and Scilly*)	59	-7	-2·9	-1·8	-0·8	105	0	91	15
Mean, DISTRICTS 1—10									

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— DECEMBER, 1937 [1914]

DISTRICT AND STATION	Height			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				
	Above Mean Sea Level	Above Ground	Effective Height	Dates of Occurence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time		
	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																				
Shetland ‡Lerwick	310	53	39	2,5,24	25	19	150	305	237	27	0	160	48	21	5 05	67	30	5	04	25
Orkney Kirkwall	170	40	35	-	0	12	102	290	261	91	0	200	36	16	22 17	55	25	20	22	30
Hebrides Stornoway	—	40	36	10, 21, 22, 24, 25	17	21	175	269	194	89	0	190	48	21	22 15	68	30	22	14	35
1 SCOTLAND, E.												140			5 20					
Aberdeen Aberdeen	70	42	32	-	0	0	0	181	416	147	0	180	21	9	21 01	49	22	14	11	40
Angus Bell Rock Lighthouse	130	—	126	2, 3, 7, 11, 13, 14, 21, 24	75	21	181	321	121	46	0	10	52	23	14 12	66	29	14	11	25
Edinburgh Edinburgh	485	39	23	22,24	5	7	56	192	343	148	0	180	43	19	22 15	63	28	22	13	10
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	10	3	13	142	294	206	99	0	170	44	20	10 10	59	26	10	09	35
Renfrew Paisley	188	81	31	-	0	3	3	78	285	378	0	180	28	13	24 13	52	23	11	05	40
Renfrew Renfrew (Abbotsinch)	65	46	34	-	0	2	2	84	299	359	0	210	26	12	24 13	51	23	24	12	40
Dumfries Eskdalemuir ..	825	50	35	-	0	7	42	163	369	170	0	210	31	14	24 13	53	24	11	17	15
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	20	1	14	149	300	235	59	0	180	39	17	20 20	56	25	20	19	30
2 ENGLAND, N.E.												340			11 24					
Durham South Shields ..	73	57	44	3,11,12	8	11	78	270	306	82	0	350	50	22	12 01	71	32	12	00	20
Yorks.,N.R. Catterick	220	45	33	-	0	2	4	98	394	248	0	310	27	12	12 04	45	20	12	02	45
Yorks.,E.R. Spurn Head ..	64	42	34	12,13	3	10	73	334	273	61	0	150	40	18	13 11	59	26	12	05	45
Lincoln Cranwell	284	43	33	-	0	4	11	162	394	177	0	300	30	13	12 05	48	21	12	04	30
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	13	1	11	53	212	438	40	0	150	40	18	13 12	62	28	13	11	35
Suffolk Felixstowe Aero. ..	60	45	35	-	0	3	(24)	(209)	(427)	(84)	0	170	35	16	13 12	54	24	13	12	25
Suffolk Mildenhall	98	83	58	-	0	3	13	197	414	120	0	160	32	14	13 12	56	25	13	11	10
Bedford Cardington ..	285	150	135	-	0	5	22	274	335	113	0	170	33	15	13 11	51	23	3	17	05
Essex Shoeburyness ..	115	104	89	10,13	2	10	37	444	237	24	0	190	39	17	10 23	53	24	10	22	10
4 MIDLAND COUNTIES												320			3 10					
Warwick Birmingham ..	643	118	73	-	0	0	0	192	459	93	0	310	24	11	12 02	43	19	12	01	25
5 ENGLAND, S.E.																				
London South Kensington ..	137	110	30	-	0	0	0	30	505	209	0	70	(17)	8	29 11	41	18	13	11	40
Surrey Kew Observatory ..	92	75	50	-	0	0	0	178	444	122	0	350	23	10	3 20	43	19	3	19	20
Surrey Croydon	313	105	70	-	0	3	8	281	379	76	0	180	28	13	13 09	50	22	13	08	20
Kent Dover	66	66	60	10,13	5	9	38	413	256	32	0	-	41	18	10 23	64	29	10	23	20
Kent Lympne	418	76	48	-	0	7	20	320	371	33	0	200	38	17	11 01	65	29	10	23	30
Hampshire Calshot	58	50	42	-	0	7	49	275	334	86	0	210	35	16	13 09	52	23	10	20	50
Wiltshire Boscombe Down ..	462	45	33	-	0	2	4	240	403	97	0	180	30	13	13 07	47	21	13	07	25
Wiltshire Larkhill	491	51	36	-	0	3	10	260	363	111	0	340	29	13	3 07	44	19	13	05	40
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	6	25	213	412	94	0	10	34	15	3 11	46	21	12	04	10
Lancashire Manchester (Barton)	153	83	80	-	0	1	3	141	365	235	0	20	27	12	2 21	49	22	2	20	10
Lancashire Southport	60	42	33	-	0	3	8	176	484	76	0	340	28	12	12 06	43	19	21	02	55
Cheshire Bidston Obs'y. ..	262	64	39	-	0	6	21	186	440	97	0	110	28	12	20 23	49	22	20	20	25
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	14	5	15	118	307	277	37	0	360	42	19	14 19	59	26	14	17	35
Flint Sealand	81	65	42	-	0	6	12	140	380	212	0	310	29	13	11 24	49	22	5	03	20
8b ENGLAND, S.W.																				
Devon Moretonhampstead	838	40	35	-	0	3	7	188	324	225	0	210	30	13	10 19	52	23	10	18	45
Devon Plymouth	185	88	65	-	0	7	31	247	352	114	0	-	(36	16	13 01	59	26	13	-	-)
Cornwall The Lizard	315	75	60	4,10,13	9	21	164	364	175	32	0	230	48	21	10 18	70	31	4	23	30
Cornwall Pendennis Castle ..	256	65	42	7,10,13	8	18	137	299	249	51	0	230	45	20	10 17	66	29	10	16	05
9 IRELAND, N.																				
Donegal Dunfanaghy Road	180	47	30															20	20	15)
Antrim Aldergrove	328	60	42	-	0	1	1	166	356	221	0	120	25	11	20 21	47	21	22	13	35)
10 IRELAND, S.															17					
Dublin Kingstown(Cup Anr.)	49	27	27	-	0	14	72	368	258	46	0	30	35	16	2 21	-	-	-	-	-
Clare Quilty	100	40	32	-	0	10	84	290	212	158	0	-	37	16	11 03	54	24	4	22	50)
Kerry Valentia Observatory	98	41	33	-	0	11	58	348	265	73	0	140	31	14	20 10	63	28	5	00	40)
Cork Cork	132	71	40	-	0	0	0	108	290	346	0	-	21	9	30 09	37	16	20	08	10
11 SCILLY ISLES																				
St. Mary's	230	65	57	2–4, 10, 14, 15	31	16	189	346	157	21	0	300	43	20	4 22	70	31	5	00	35

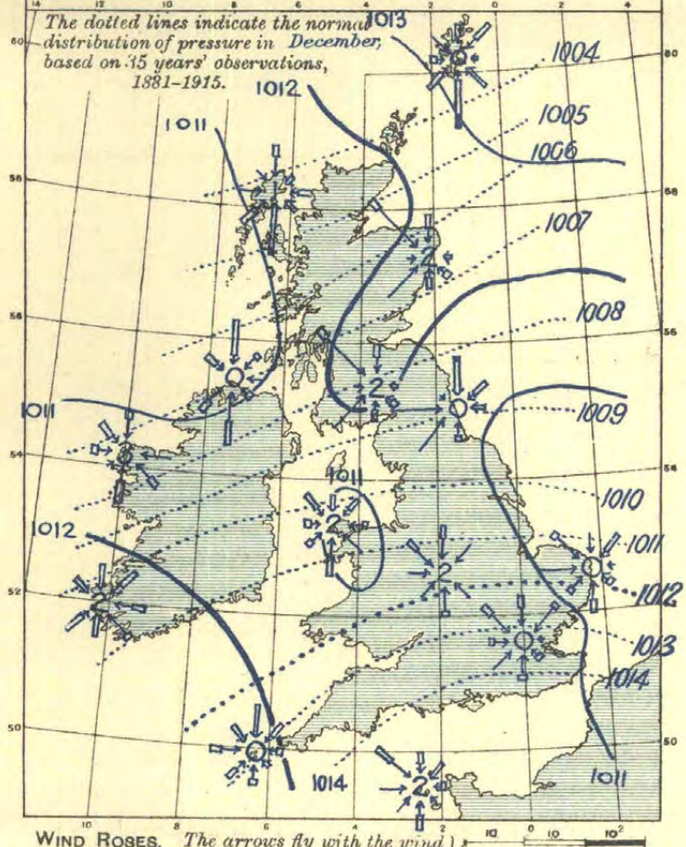
‡‡ Brackets ( ) indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

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

MONTHLY WEATHER CHARTS, DECEMBER, 1937.

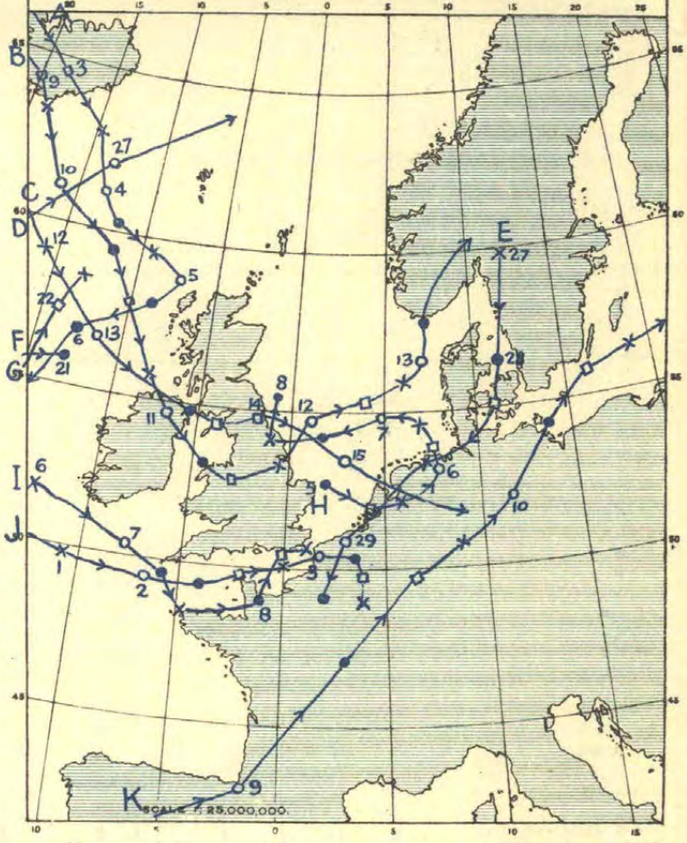
1. WIND AND MEAN PRESSURE. 7 A.M. *

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



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

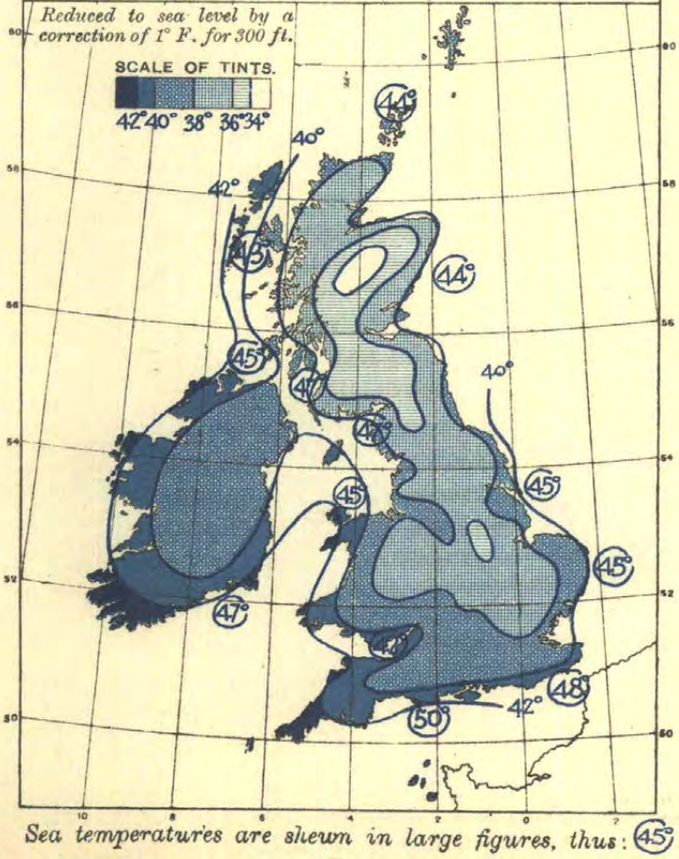
2. MOVEMENTS OF DEPRESSIONS.



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

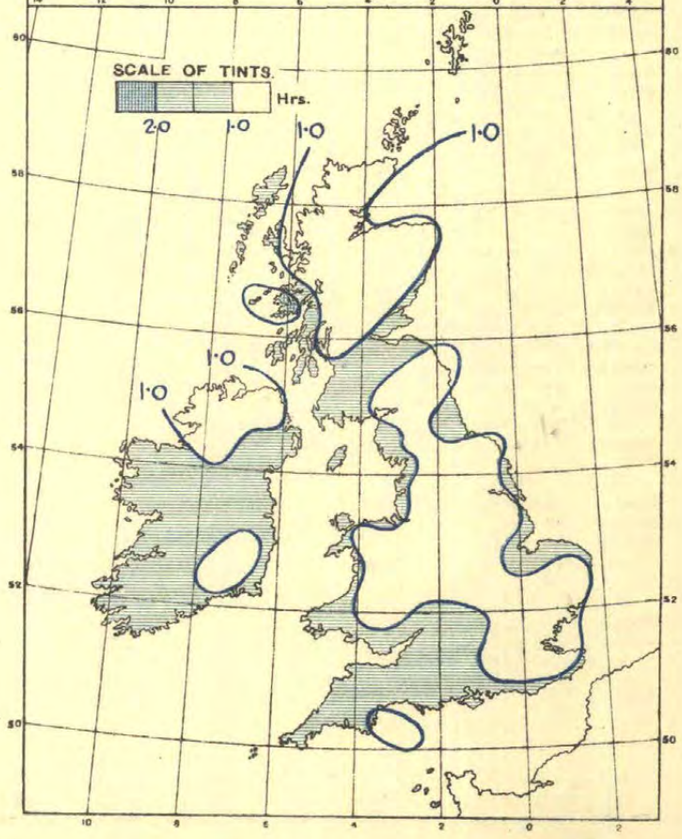
3. DISTRIBUTION OF MEAN TEMPERATURE.

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



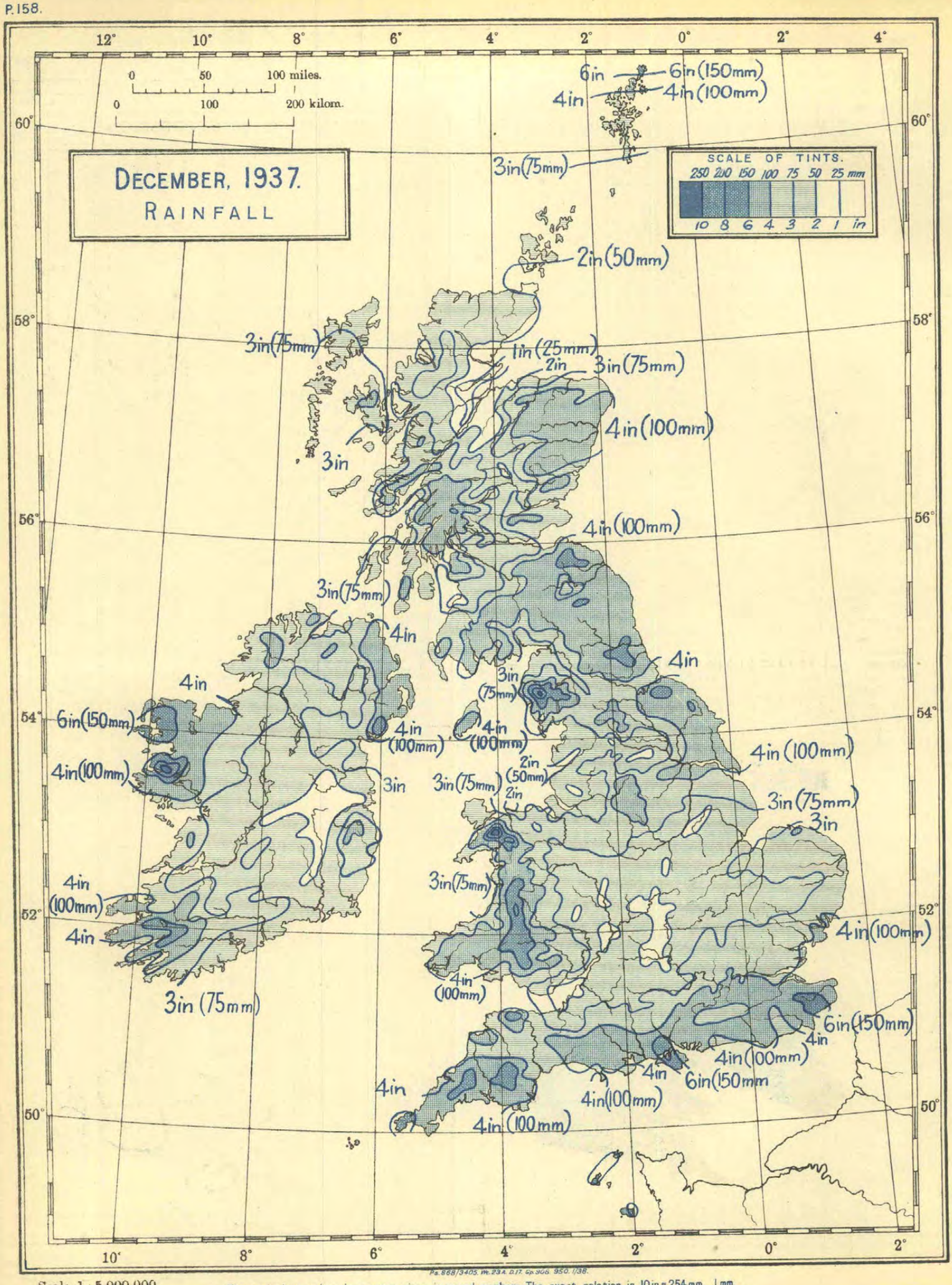
Sea temperatures are shewn in large figures, thus: (45°)

4. BRIGHT SUNSHINE, HOURS PER DAY.



*The pressure is expressed in millibars.

H.M. Stationery Office Press, Kingsway, W.C.2



Ps. 868/3405. Wt. 23A. D.17. Gp. 906. 950. 1/38.

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 DECEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
0	SCOTLAND, N.	G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
Shetland	Baltasound ..	9 9 9	31	42·0	35·3	38·7	-1·4	51	25	17	12,13	40·6	-	6·89	175	130	1·61	6	31	21	8	5	13	0	0	-	3	0·17	49	3
	Lerwick .. ¶§	18-7 7	156	42·7	37·3	40·0	-1·2	51	24,25,27	30	11,12	-	-	3·76	96	85	·58	14	22	19	11	6	14	0	0	-	9	0·49	123	8
Orkney	Deerness ..	2121 9	160	42·2	36·3	39·3	-1·5	49	22,24,26	27	12	-	-	2·22	56	53	·38	15	25	14	14	3	2	1	0	-	-	0·84	133	14
	Kirkwall .. ¶§	9 9 9	113	41·6	35·2	38·4	-1·9	49	24	25	13	40·2	-	2·15	55	50	·38	7	18	14	4	5	0	1	0	14	3	0·83	115	13
Hebrides	Skallary	101010	30	45·4	38·8	42·1	-	53	22	32	12	-	-	3·47	88	-	·62	9	24	18	2	0	2	1	-	-	-	-	-	-
	Stornoway(C.G.) ¶§	18-7 7	80	42·8	37·2	40·0	-1·7	52	22,24	29	12	-	-	2·40	61	40	·39	24	25	15	5	5	10	0	0	-	7	1·19	165	19
	Stornoway ..	- - 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skye	Duntulm ..	9 9 9	294	43·2	36·3	39·7	-	51	22,24,26	31	7,9	-	-	3·25	83	-	·40	24	19	16	8	4	6	2	1	24	6	1·07	-	16
Caithness	Wick	18-7 7	81	42·2	34·9	38·5	-2·4	50	24,26,27	15	13	-	-	2·20	56	72	·52	7	22	14	6	3	7	0	0	-	8	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	41·1	-	-	-	56	21	-	-	-	-	2·17	55	22	·51	23	14	13	2	0	0	0	0	-	-	-	-	-
	Fortrose	9 9 9	69	40·1	31·4	35·7	-3·8	52	22,24	18	13	-	-	·96	24	-	·16	15	14	8	5	4	0	0	0	-	0	1·02	89	16
Inverness	Dalwhinnie ..	18-7 7	1176	35·1	25·5	30·3	-	49	24	0	13	-	-	2·80	71	-	·45	22	17	13	17	22	1	0	1	26	0	0·51	-	8S
	Ft. Augustus ¶	9 9 9	68	40·6	30·5	35·5	-3·2	53	22	14	13	-	-	1·20	31	21	·34	24	12	8	4	6	1	0	0	-	1	0·64	156	10S
	Ft. William ..	9 9 9	34	41·6	32·1	36·9	-2·7	56	22	19	13	36·9	43·1	3·70	94	37	1·31	22	12	7	5	0	0	0	0	20	0	0·36	-	5S
	Inverness ¶§	9 9 9	242	40·4	31·1	35·7	-3·6	54	24	15	13	-	-	·97	25	36	·18	27	9	9	4	14	0	0	0	21	0	1·13	104	17
1	SCOTLAND, E.																													
Nairn	Nairn .. ¶§	9 9 9	20	40·9	30·5	35·7	-3·6	56	24	16	13	-	-	1·56	40	71	·50	1	15	9	7	4	1	0	0	-	0	0·98	83	15
Moray	Forres	9 9 9	155	40·9	29·8	35·3	-	56	24	17	13	-	-	1·76	45	-	·31	1	17	11	8	9	4	0	1	-	0	1·33	-	20
	Gordon Castle ..	2121 9	104	40·8	31·1	35·9	-3·2	55	24	12	13	-	-	2·81	71	105	·64	7	20	13	6	20	3	1	-	-	-	0·95	83	14S
Banff	Banff	9 9 9	130	40·9	32·7	36·8	-2·5	51	24	17	13	-	-	3·14	80	121	·46	7	23	16	11	4	4	0	0	17	0	0·81	85	12
Aberdeen	Aberdeen ¶§	242424	79	41·6	33·5	37·5	-2·2	52	24	15	13	37·5	41·5	4·32	110	134	1·17	14	21	15	13	4	13	1	0	10	0	0·94	78	14
		18-7 -	—	40·2	33·9	37·1	-3·0																							
	Balmoral	9 9 9	927	36·3	22·7	29·5	-6·0	51	24	-3	13	-	-	3·64	93	108	·71	16	23	13	10	28	0	0	-	27	0	-	-	-
	Braemar	2121 9	1111	36·6	20·7	28·7	-6·7	47	26	-7	13	-	-	2·73	69	77	·50	9	17	16	5	21	0	0	0	25	0	0·34	-	5S
	Craibstone ..	9 9 9	300	39·3	31·3	35·3	-3·2	48	26	12	13	37·5	41·2	3·87	98	117	·70	10	21	12	13	16	3	2	-	15	-	1·28	93	19
	Logie Coldstone ..	9 9 9	608	37·7	23·5	30·6	-5·9	50	25	-5	13	-	-	4·70	119	168	·74	7	23	13	14	28	0	0	0	-	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	43·6	32·7	38·1	-	52	2	20	13	-	-	5·20	132	-	·25	13	17	14	6	0	5	0	0	-	-	1·12	-	17
Angus	Arbroath	2121 9	93	41·7	31·1	36·4	-3·0	52	1,24	19	13	-	-	4·12	105	161	·96	10	14	13	7	2	1	1	1	19	0	1·33	102	19
	Carnoustie ..	9 9 9	39	41·6	32·1	36·9	-2·4	52	24	21	13	-	-	3·34	85	125	1·09	10	13	13	7	5	5	0	-	-	0	1·26	107	18S
	Dundee .. ¶§	9 9 9	147	40·0	30·3	35·1	-3·8	52	24	19	13	35·5	-	3·57	91	142	1·28	10	16	12	7	6	0	0	-	28	2	1·27	90	18
	Kettins	9 9 9	218	38·3	25·6	31·9	-5·6	50	24	7	13	34·9	-	2·50	63	76	1·06	10	15	11	10	19	1	0	2	24	1	-	-	-
	Montrose ..	9 9 9	16	41·9	32·0	36·9	-2·6	52	24	20	13	-	-	3·50	89	-	·78	10	16	13	6	1	4	0	0	-	0	1·61	113	24
Perth	Crieff	2121 9	478	38·8	29·3	34·1	-3·9	51	24	13	13	-	-	2·65	67	59	·54	22	17	11	8	18	0	0	-	-	2	-	-	-
	Perth	9 9 9	76	39·1	27·0	33·1	-5·1	54	24	7	13	-	-	2·85	72	88	1·20	10	11	11	8	18	2	0	-	-	-	1·19	109	17
Fife	Cupar	9 9 9	210	39·7	29·3	34·5	-4·4	52	24	14	13,14	-	-	3·60	91	-	1·56	10	16	11	8	20	1	0	-	-	-	-	-	-
	Dunfermline ..	9 9 9	237	39·9	30·8	35·3	-	53	24	20	18	38·2	43·4	2·57	65	-	·40	10	14	11	10	15	1	0	1	21	0	1·16	-	17
	Inchkeith ..	18-7 7	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kirkcaldy ..	9 9 9	137	41·0	29·5	35·3	-5·0	54	24	19	20	-	-	3·22	82	-	·70	8	12	10	10	15	0	0	-	-	-	-	-	-
	Leuchars ..	18-7 7	36	39·9	32·4	36·1	-3·4	53	24	17	13	-	-	3·19	81	129	1·35	10	17	11	11	2	5	0	0	20	0	1·41	99	20
	St. Andrews ..	9 9 9	13	41·6	32·1	36·9	-2·4	53	24	20	13,20,21	37·6	43·3	3·22	82	124	1·00	10	15	11	9	0	1	0	0	17	-	1·38	108	20
Mid Lothian	Edinburgh—																													
	Blackford H. ¶§	2121 9	441	40·0	33·8	36·9	-3·0	54	24	23	13	-	-	2·34	59	101	·64	13	17	11	9	12	0	0	4	14	0	1·24	91	18
	Boghall	9 9 9	639	39·2	31·6	35·4	-3·1	51	24	20	13,18	37·2	41·2	3·06	78	-	1·04	13	20	15	13	20	0	0	3	15	-	1·17	93	17
	Liberton ..	9 9 9	190	40·5	31·9	36·2	-	54	24	19	13	-	-	2·52	64	-	·70	13	19	12	9	6	1	0	-	-	-	-	-	-
	Univ. King's B.	9 9 9	225	40·8	32·6	36·7	-	55	24	20	13	37·2	43·0	2·57	65	-	·87	13	17	11	-	-	-	-	-	-	-	-	-	-
E. Lothian	Dunbar	9 9 9	75	42·7	33·8	38·3	-	55	24	22	13	-	-	4·09	104	-	1·10	13	21	17	4	1	4	1	0	16	0	1·05	-	15
	N. Berwick ..	9 9 9	118	41·8	33·2	37·5	-2·4	54	24	22	13	-	-	3·71	94	181	·94	13	20	16	10	2	2	0	1	19	1	1·11	129	16
Berwick	Marchmont ¶§	2121 9	498	39·4	30·7	35·1	-2·8	51	24	18	13	-	-	5·95	151	213	1·32	13	25	17	8	11	2	1	-	-	0	0·79	72	11S
	St. Abb's Head	18-7 7	280	41·9	35·7	38·8	-	53	24	23	10	-	-	4·45	113	-	1·30	13	19	16	9	0	10	1	0	-	3	-	-	-
Peebles	Peebles	9 9 9	629	39·3	28·7	34·0	-	53	24	11	18	-	-	1·45	37	-	·33	14	17	10	11	17	0	0	0	23	0	1·01	-	14
	West Linton ..	9 9 9	820	38·4	27·8	33·1	-3·6	50	24	9	13,18	36·1	41·7	5·06	129	-	1·45	13	19	16	10	21	0	0	9	19	-	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	39·7	31·0	35·3	-3·1	52	24	18	13,20	-	-	3·54	90	152	·52	13	25	18	6	18	0	1	5	-	0	-	-	-
	Wolfelee	9 9 9	537	37·9	28·9	33·4	-3·9	51	24	12	13,20	-	-	4·12	105	99	·72	7	26	19	15	18	0	0	2	-	0	-	-	-
6a	SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	42·0	29·8	35·9	-4·5	53	26	16	18	-	-	3·93	100	-	·81	9	14	14	5	11	3	1	-	22	-	-	-	-
	Colonsay ..	9 9 9	87	43·6	33·1	38·3	-	53	22,24	19	18	-	-	2·62	67	-	·35	4	19	12	2	2	3	0	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	41·9	30·7	36·3	-	52	22	18	18	36·5	40·2	5·14	131	-	·97	22	17	13	7	17	0	0	3	22	-	0·99	-	14S
	Dunoon	9 9 9	132	41·4	32·9	37·1	-	51	24	23	18	-	-	5·35	136	-	1·26	23	13	13	7	11	0	0	1	18	0	1·47	-	21
	Glenbranter ..	9 9 9	188	39·3	27·7	33·5	-6·0	57	24	14	18,20	-	-	4·96	126	-	1·40	22	10	10	6	20	0	0	0	25	-	-	-	-
	Oban	9 9 9	229	40·8	33·5	37·1	-	52	22	24	7,18	-	-	2·20	56	-	·62	23	11	9	5	11	0	0	0	18	0	2·09	227	30
	Tiree .. ¶§	18-7 7	22	44·0	38·8	41·4	-1·7	52	22	28	18	-	-	2·61	66	50	·53	4	18	13	4	0	6	1	0	5	2	1·56	163	23
Bute	Rothesay ¶§	2121 9	200	41·8	35·1	38·5	-2·6	52	24	28	13,18	36·4	42·3	3·33	85	61	·77	23	15	11	5	6	0	0	1	16	3	1·45	142	21
Dumbarton	Cardross	9 9 9	130	40·9	29·0	34·9	-4·4	51	23,24	16	18	-	-	2·83	72	-	·45	22	13	13	5	19	0	0	0	-	-	1·45	163	21S
	Helensburgh ..	9 9 9	293	40·0	29·8	34·9	-5·0	51	24	16	18	-	-	3·44	87	53	·70	22	17	9	8	13	0	0	5	-	0	1·29	137	18
Stirling	Stirling	9 9 9	151	40·1	31·8	35·9	-4·0	53	24	18	13	36·1	44·9	2·62	67	-	·53	10	11	11	6	17	0	0	9	26	0	1·15	137	16S
Renfrew	Greenock ..	9 9 9	199	41·4	33·2	37·3	-3·2	53	24	22	18	-	-	4·15	105	53	·88	23	14	11	6	12	0	0	12	16	0	0·59	-	8
	Paisley	2121 9	106	40·4	31·9	36·1	-4·2	53	24	15	18	38·1	44·8	2·83	72	56	·54	23	13	11	7	19	0	0	4	23	0	0·97	115	14S
	Renfrew ¶§ (Abbotsinch)	18-7 7	19	39·2	29·8	34·5	-5·2	54	24	12	18	-	-	2·54	64	57	·47	23	10	8	10	18	1	0	7	20	0	1·16	132	17
Lanark	Carluke	9 9 9	534	38·3	30·1	34·2	-	52	24	15	18	-	-	2·07	53	-	·54	13	17	10	9	18	1	0	0	22	0	1·24	-	18
	Dungavel ..	9 9 9	798	38·2	29·0	33·6	-3·7	50	24	18	18	-	-	3·13	79	-	·47	22	19	12	11	17	0	0	6	20	-	-	-	-
	Glasgow	9 9 9	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ayr	Auchincruive ..	9 9 9	89	41·0	28·7	34·9	-	53	24	16	18	37·9	43·9	2·19	56	-	·43	22	15	10	7	11	0	1	0	23	0	1·32	-	19
	Ayr	2121 9	43	44·9	33·1	39·0	-	55	24,26,27	19	18	-	-	1·46	37	-	·31	4	11	11	1	3	0	0	0	21	-	1·52	-	21
	Colmonell ..	9 9 9	170	42·1	31·4	36·7	-4·6	53	24	16	18	-	-	3·61	92	65	·63	13	15	12	5	9	3	0	0	18	-	-	-	-
	Kilmarnock ..	9 9 9	130	39·9	28·4	34·1	-5·8	53	24	13	18	37·2	43·3	2·67	68	-	·67	23	13	9	4	13	0	0	0	23	0	1·50	-	21
	Troon	9 9 9	15	42·0	32·3	37·1	-	53	24	21	18	-	-	2·17	55	-	·50	22	13	11	6	11	0	0	2	19	0	1·60	-	23
	Turnberry ..	9 9 9	30	42·5	34·1	38·3	-3·6	54	24	27	10,11,18	-	-	1·82	46	-	·48	22	14	10	4	0	0	0	0	26	0	1·95	195	27
Dumfries	Dumfries .. ¶§	2121 9	140	40·4	31·1	35·7	-3·8	52	24	17	19	38·2	43·2	2·55	65	64	·48	10	15	11	10	16	0	0	0	6	20	0	1·07	99	15
	Eskdalemuir ¶§	242424	794	37·0	28·2	32·6	-4·3	50	24	9	12	39·6	45·3	4·79	122	68	1·21	22	19	17	14	18	2	0	6	19	2	1·57	152	22
		18-7 -	—	37·2	29·7	33·5	-3·6																							
	Ruthwell	2121 9	67	39·9	29·2	34·5	-4·6	50	1,24	15	18	-	-	2·91	74	-	·60	10	16	12	-	-	0	0	-	-	0	0·84	87	12S

¶§ S *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 DECEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean hr	Percentage of Average %	of Possible %
6b ISLE OF MAN		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in													
Isle of Man	Douglas	9 9 9	284	43·2	36·3	39·7	-2·8	52	24	28	10,18	-	-	4·48	114	91	·67	10	21	17	9	0	3	0	2	13	0	1·34	97	18
	Point of Ayre ..	18–7 7	30	44·4	38·5	41·5	-	57	24	26	10	-	-	3·67	93	-	1·13	5	16	12	1	0	3	0	0	-	0	1·11	-	15
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	42·4	33·3	37·9	-2·6	53	24	20	20	-	-	4·26	108	221	1·00	13	22	16	10	4	8	1	1	15	2	0·99	70	14
	Bellingham ..	9 9 9	849	37·6	29·1	33·3	-3·4	50	24	13	13	-	-	5·34	136	147	·72	14	28	22	16	19	0	0	3	-	-	-	-	-
	Cockle Park ¶§	2121 9	325	39·9	32·1	36·0	-2·8	54	24	21	13	36·6	40·7	5·65	143	211	·79	11	26	20	7	7	0	2	0	16	0	1·02	72	14
	Tynemouth ..	18–7 7	108	42·0	36·1	39·1	-2·3	55	24	25	13	-	-	5·34	136	247	·89	14	22	18	12	4	4	0	1	13	2	0·50	-	7
Durham	Chopwellwood ..	9 9 9	446	39·8	31·4	35·6	-2·7	54	24	20	13	-	-	4·71	120	173	·59	11	23	21	11	18	0	0	0	24	-	0·89	61	12
	Durham .. ¶§	2121 9	336	39·9	31·3	35·6	-3·1	54	24	19	13	-	-	6·36	161	310	·74	11	23	19	12	18	0	0	4	17	0	0·97	72	13
	Houghall	9 9 9	160	41·6	29·3	35·5	-2·9	55	24	10	13	-	-	6·15	156	-	·78	9	21	20	11	17	6	0	6	22	0	0·84	68	12
	Sunderland ..	9 9 9	70	43·2	34·2	38·7	-	52	24	24	13	-	-	5·03	128	-	·68	14	23	19	-	-	-	-	-	16	-	-	-	-
	Ushaw College ..	9 9 9	594	38·8	32·0	35·4	-2·9	52	24	20	13	-	-	6·64	169	265	·76	11	29	20	13	19	3	0	12	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	40·0	31·8	35·9	-2·8	53	24	21	13	-	-	4·22	107	-	·71	1	22	17	10	18	2	0	6	16	-	1·01	-	14
	Castleton ..	9 9 9	450	40·2	30·2	35·2	-	53	24	18	13,20	37·4	-	6·65	169	-	·99	1	24	20	13	18	2	0	2	16	-	-	-	-
	Catterick	18–7 7	175	39·0	32·4	35·7	-	55	24	21	10,13	-	-	3·28	83	-	·58	1	22	17	12	10	1	0	5	16	0	1·00	-	14
	Scarborough †¶§	9 9 9	118	43·8	35·8	39·8	-1·3	53	24	25	13	-	42·0	4·83	123	203	1·08	1	23	18	3	0	5	0	3	11	0	0·67	58	9
	York .. ¶§	2121 9	57	40·6	32·5	36·5	-3·4	55	24	23	20	38·7	44·3	2·42	61	108	·30	5	22	15	6	16	0	0	-	-	0	0·91	106	128
Yorks., E. Riding	Hull	2121 9	8	41·9	34·7	38·3	-1·8	53	24	28	19	38·7	44·2	4·78	121	198	1·72	2	25	21	9	6	3	0	10	14	-	0·72	81	10
	Spurn Head ..	18–7 7	29	41·8	36·2	39·0	-1·9	50	1	31	8,10	-	-	4·24	107	185	1·20	2	24	15	11	0	6	0	3	-	0	1·07	73	14
Lincoln	Cranwell .. ††¶§	18–7 7	203	40·3	33·1	36·7	-2·2	54	24	21	20	38·4	43·9	1·66	42	75	·33	2	22	12	10	6	0	0	8	16	0	1·15	76	15
	Cleethorpes ..	9 9 9	23	42·4	34·6	38·5	-1·0	52	24	28	13	-	-	3·79	96	-	1·25	2	26	18	5	1	0	0	3	10	-	1·05	73	14
	Skegness ..	9 9 9	15	42·3	33·2	37·7	-2·2	51	1,23,24	22	15	-	-	2·87	73	130	·58	13	22	15	4	2	6	0	8	12	-	1·19	81	16
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	43·4	34·9	39·1	-1·6	54	23	29	11,13	-	-	3·74	95	149	·66	5	25	17	8	1	2	0	5	15	0	1·27	88	17
	Hunstanton ..	9 9 9	105	42·4	34·7	38·5	-1·8	53	24	27	8	-	-	2·64	67	-	·42	13	21	16	6	1	0	2	5	-	-	1·20	73	16
	Norwich	9 9 9	110	42·0	33·1	37·5	-2·4	52	1,23,24	25	20	37·9	-	3·01	76	-	·42	1	26	17	7	1	2	0	-	20	-	1·10	81	14
	Sprowston ..	9 9 9	93	42·6	33·6	38·1	-1·2	53	1	26	15,20	-	-	3·25	83	-	·40	1,13	24	17	5	4	0	0	-	21	-	0·83	54	118
	Terrington ..	9 9 9	13	41·5	33·1	37·3	-	53	24	22	15	-	-	2·73	69	-	·73	12	18	11	4	5	0	0	7	16	-	1·02	-	13
	Thetford ..	9 9 9	99	41·8	30·9	36·3	-	53	1,22,24	14	20	38·0	42·7	3·04	77	-	·48	1	21	14	10	6	0	0	10	22	-	1·10	-	14
	(Lynford Nursery)																													
	Yarmouth ¶§	18–7 7	5	42·6	36·6	39·6	-1·3	52	1,23	25	13	41·1	47·1	3·86	98	158	·55	5	24	17	8	1	3	1	5	7	1	1·02	76	13
Suffolk	Bungay (Flix'n) ..	9 9 9	79	42·1	33·0	37·5	-1·8	54	23	27	15	-	-	2·48	63	-	·44	13	23	16	6	0	0	0	7	27	-	-	-	-
	Chadacre ..	9 9 9	250	40·9	32·3	36·6	-	53	1	19	15	-	-	2·79	71	-	·55	13	22	16	5	5	0	0	3	18	-	0·88	-	11
	Copdock	9 9 9	164	41·4	33·1	37·3	-2·2	53	23	28	19,20	38·6	44·0	3·35	85	-	·61	1	23	13	4	0	0	0	8	18	-	0·96	63	12
	Felixstowe Aero ..	18–7 7	15	41·5	35·5	38·5	-2·2	52	23	30	7,19,20	-	-	3·89	99	187	·76	3	20	12	5	0	2	0	4	11	2	1·08	65	14
	Lowestoft ..	9 9 9	82	43·0	34·0	38·5	-2·2	52	23	25	28	39·8	43·8	4·01	102	172	·51	1	23	15	6	1	5	2	7	16	0	1·06	70	14
	Mildenhall * ..	18–7 7	15	41·0	32·9	36·9	-	55	1	20	15	-	-	2·78	71	-	·56	13	20	12	7	1	1	0	5	16	0	1·22	-	16
Cambridge	Cambridge ¶§	2121 9	41	41·1	32·6	36·9	-3·0	54	1	22	19,20	29·8	45·1	2·20	56	114	·44	13	19	13	6	5	0	0	2	16	0	0·70	53	9
	(Bot. Gdns.)																													
	(Univ. Farm) ..	9 9 9	78	41·5	32·7	37·1	-	53	1,22	23	20	-	-	2·31	59	-	·53	4	20	12	8	9	0	0	4	17	0	1·06	-	14
Bedford	Luton	9 9 9	381	41·0	32·4	36·7	-2·4	53	22	20	20	40·9	46·2	3·06	78	-	·58	1,4	17	12	-	-	-	-	6	16	-	0·46	34	6
	Woburn	9 9 9	291	41·1	31·8	36·5	-3·2	53	22	22	20,24	38·5	45·8	2·44	62	104	·55	4	23	12	8	6	0	1	5	18	-	0·93	77	12
Hertford	Rickmansworth	9 9 9	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothamsted ¶§	9 9 9	420	39·9	31·7	35·8	-3·5	51	22,24	18	20	37·8	-	3·17	80	113	·62	4	22	10	8	6	0	0	7	18	0	0·78	55	10
	St. Albans ..	9 9 9	272	41·6	31·1	36·3	-2·5	53	1,22,23	20	20	39·1	-	3·08	78	122	·69	4	25	11	3	1	0	0	2	17	-	-	-	-
Essex	Clacton-on-S. ¶§	9 9 9	53	41·9	33·9	37·9	-2·9	54	23	28	19	40·3	45·5	4·12	105	218	·83	3	17	13	4	0	2	0	5	14	-	1·03	69	13
	Chelmsford ..	9 9 9	134	41·9	32·7	37·3	-2·8	55	23	22	15,20	-	-	3·68	93	166	·67	1	21	11	5	5	0	0	-	-	-	-	-	-
	Chelmsford (Agr. St.)	9 9 9	193	41·8	32·9	37·3	-	54	1,23	23	15	-	-	3·99	101	-	·73	1,10	20	14	6	4	0	0	-	19	-	0·83	-	11
	Earls Colne ..	9 9 9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Halstead ..	9 9 9	140	41·2	32·6	36·9	-2·9	55	23	21	20	-	-	3·23	82	-	·64	13	18	13	12	6	0	1	5	-	-	-	-	-
	Shoeburyness ..	18–7 7	11	41·7	34·9	38·3	-2·1	55	23	26	15	-	-	3·69	94	199	·92	3	16	10	7	0	4	0	4	13	0	0·89	57	11
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	39·7	30·5	35·1	-	55	24	20	13	-	-	2·00	51	-	·23	11	18	15	7	10	0	0	9	22	-	0·99	-	13
	Bingley	9 9 9	610	40·2	32·0	36·1	-	53	24	22	10	-	-	2·21	56	-	·34	13	21	15	12	17	0	0	8	19	-	-	-	-
	Bradford ..	9 9 9	439	40·1	32·6	36·3	-3·2	54	24	22	10	38·0	44·0	2·99	76	89	·48	6	21	16	-	-	-	-	12	23	-	0·53	85	7
	Doncaster ..	9 9 9	30	40·9	30·8	35·9	-	55	24	19	20	-	-	4·28	109	-	2·20	2	22	17	7	4	0	0	10	27	-	0·54	-	7
	Giggleswick ..	9 9 9	575	40·0	30·8	35·4	-2·9	52	24	17	13	-	-	2·21	56	-	·45	12	20	11	8	18	0	0	4	-	0	1·11	126	15
	Harrogate ¶§	9 9 9	478	39·9	32·5	36·2	-2·3	52	22	24	13,20	38·9	41·8	2·66	68	89	·35	1	22	15	12	18	0	0	8	22	0	0·93	76	13
	Huddersfield ..	2121 9	325	40·5	32·6	36·5	-3·3	55	24	22	20	37·8	43·6	1·74	44	54	·25	10	24	16	9	6	1	0	9	18	-	0·45	63	6
	„ (Oakes)	9 9 9	761	40·3	32·6	36·5	-1·8	54	23,24	23	10	38·2	42·7	2·84	72	78	·58	6	28	19	11	18	0	0	8	15	0	-	-	-
	Meltham .. **	9 9 9	514	40·3	32·6	36·5	-2·7	54	24	22	20	37·9	39·0	2·55	65	50	·37	10	24	16	-	-	-	-	-	21	-	-	-	-
	Pontefract ..	9 9 9	255	40·0	32·0	36·0	-3·4	55	24	20	20	-	-	1·82	46	83	·33	6	22	10	-	-	-	-	14	18	-	0·76	-	10
	Sheffield	9 9 9	428	41·2	34·1	37·7	-2·8	55	24	25	20	38·0	42·7	3·74	95	110	1·62	2	22	14	11	2	0	0	-	16	0	0·55	55	7
	Wakefield ..	9 9 9	124	40·7	32·6	36·7	-3·2	56	24	21	20	37·8	43·7	2·02	51	83	·45	6	25	12	13	12	7	0	12	22	-	0·33	45	58
Derby	Belper (School) ..	9 9 9	222	42·0	31·0	36·5	-3·0	54	24	23	10,19	-	-	3·21	81	99	1·39	2	19	11	5	7	0	0	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	38·6	30·6	34·6	-2·7	51	24	19	10	37·5	40·6	4·64	118	82	1·13	2	24	14	11	18	0	0	12	16	-	0·27	40	48
Nottingham	Attenborough ..	18 7 7	89	41·1	32·3	36·7	-	53	24	19	20	38·4	44·8	2·38	60	-	·89	2	21	11	11	4	0	0	11	20	1	-	-	-
	Mansfield ..	9 9 9	357	40·3	32·6	36·5	-2·1	53	24	25	20	-	-	3·29	84	-	1·43	2	20	16	11	9	0	0	14	-	-	-	-	-

† At Scarborough the earth thermometer is at a depth of 3 ft.
¶§ *See* Notes on Tables on last page of this issue.
†† New Site as from December 9th, 1936.

** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft.
* New site as from 8th Sept. 1937.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS DECEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	mm	Percentage of Average	Most in a day: Amount in	Date	WEATHER Number of days: Precip'n 0·2 mm or more	1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
4 MID COUNTIES—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Nottingham *cont.*	Nottingham ¶§	9 9 9	192	41·7	33·1	37·4	-2·5	54	24	24	20	36·1	40·6	2·52	64	105	·80	2	24	9	-	-	-	-	21	17	-	0·64	*73*	8
	Sutton Bon'gton	9 9 9	157	41·7	32·0	36·9	-2·4	54	24	22	20	38·1	-	2·08	53	94	·56	4	15	10	7	4	0	0	8	16	-	0·61	*58*	8
	Worksop ..	9 9 9	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leicester	Belvoir Castle ..	2121 9	259	41·2	32·1	36·7	-2·7	56	25	19	20	38·7	46·0	1·96	50	80	·36	2	19	14	-	-	-	-	-	17	-	1·15	83	15
	Leicester ..	9 9 9	325	41·6	31·9	36·7	-	56	24	22	8	40·5	45·2	1·90	48	-	·60	4	12	12	7	1	1	0	9	19	-	0·67	-	9
Northampton	Oundle	9 9 9	147	41·0	31·8	36·4	-3·1	53	22	21	20	39·4	45·4	2·25	57	-	·32	11	21	9	8	8	2	1	6	21	-	1·02	*75*	13
Warwick	Birmingham ¶§	18–7 7	535	40·1	33·9	37·0	-2·5	52	23,24,25	26	10,20	40·1	45·8	2·54	65	94	·44	2	20	10	12	3	0	0	3	16	0	0·83	73	11
	„ Sparkhill	713 7	425	41·1	32·6	36·9	-3·0	53	22	24	20	-	-	2·24	57	79	·57	4	23	11	12	5	0	0	7	19	-	-	-	-
	Coventry	9 9 9	241	41·6	31·8	36·7	-3·4	54	24	22	18	39·8	44·4	2·07	53	80	·60	4	18	10	3	2	0	0	4	19	-	0·75	82	10
	Rugby	2121 9	390	41·3	30·9	36·1	-3·0	53	23	20	20	-	-	1·99	51	-	·69	4	22	12	5	2	0	0	-	23	-	0·95	-	12
	Stratford-on-Avon	9 9 9	210	42·2	31·4	36·8	-	55	22	23	18,19	-	-	1·79	45	-	·54	4	20	11	1	0	0	0	6	-	-	1·18	-	15
Oxford	Oxford .. ¶§	9 9 9	208	42·7	33·3	38·0	-2·8	54	22	26	18	39·4	44·7	1·90	48	77	·45	4	21	11	4	1	0	0	6	19	0	1·33	87	17
Bucks	Halton	9 9 9	544	40·7	32·7	36·7	-	52	22,24	22	20	39·3	45·0	3·02	77	-	·72	1	22	14	10	3	1	1	4	19	-	0·60	-	8
	Mursley	9 9 9	490	41·2	31·5	36·3	-2·4	52	23,24	23	20	39·6	-	2·15	55	84	·49	4	22	13	-	-	-	-	-	-	-	0·79	*59*	10
Stafford	Market Drayton	9 9 9	581	40·2	30·7	35·5	-	53	24	18	10	-	-	3·81	97	-	·88	4	16	12	14	17	2	0	8	21	-	0·91	-	12
	Mayfield	9 9 9	374	40·3	30·5	35·4	-3·2	53	24	20	20	-	-	3·62	92	105	1·48	2	20	12	12	12	0	0	-	17	-	0·68	*64*	9S
Shropshire	Newport	9 9 9	211	40·8	31·3	36·1	-	54	24	19	10	-	-	2·99	76	122	1·01	2	19	12	5	9	0	0	2	24	-	0·67	-	9
	Shrewsbury ..	9 9 9	184	42·2	31·6	36·9	-4·2	56	24	23	10,18	40·3	45·3	2·56	65	-	1·12	2	20	9	5	2	0	0	4	23	0	0·87	-	11
Worcester	Malvern	9 9 9	380	41·8	34·2	38·0	-2·5	53	24	27	10	38·1	43·0	2·29	58	83	·54	1	16	11	3	0	0	0	6	16	-	1·54	*94*	20
	Worcester (Perdiswell) ..	9 9 9	94	42·5	31·6	37·1	-2·6	55	24	21	10,18	-	-	1·90	48	-	·72	1	16	9	3	0	0	0	-	21	-	1·06	-	14
Hereford	Bromyard ..	9 9 9	393	41·6	30·6	36·1	-3·7	52	22,23,24	20	10	38·1	43·9	2·12	54	-	·48	1	18	10	3	4	0	0	9	22	-	-	-	-
	Hereford ..	9 9 9	292	42·0	32·1	37·1	-3·1	54	23	22	10,11	-	-	2·42	61	82	·83	1	21	10	3	0	0	0	2	16	0	-	-	-
	Ross-on-Wye ¶§	18–7 7	223	42·0	34·4	38·2	-2·8	54	24	23	10,18	39·1	44·3	2·15	55	72	·48	1	21	12	5	0	1	0	5	18	0	1·55	*100*	20
Gloucester	Bristol (Horfield)	18–7 7	206	42·8	34·8	38·8	-	54	23,24	23	18	40·8	45·3	2·20	56	-	·36	10	24	12	4	3	3	0	4	15	0	-	-	-
	Cheltenham ..	2121 9	214	42·3	32·6	37·5	-3·4	54	24	24	10,18	39·1	44·3	1·80	46	66	·24	1	19	12	3	5	0	0	5	20	0	1·22	*91*	16
	Cirencester ..	9 9 9	443	41·5	31·6	36·5	-3·2	52	22	22	6	-	-	2·15	55	-	·41	4	19	11	2	2	0	0	7	21	-	1·24	*92*	16
	Parkend	9 9 9	325	42·1	30·9	36·5	-	52	22,23,24	21	6,18	38·6	43·5	2·72	69	-	·71	12	16	14	2	3	0	0	6	21	-	1·30	-	17
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—																									0·19	57	2
	Camden Square ..	9 9 9	110	42·7	35·5	39·1	-2·4	53	1,22,23	27	20	40·8	46·3	3·92	100	164	·89	13	18	12	2	0	0	0	-	14	-	-	-	-
	East Ham ..	9 9 9	15	43·1	35·0	39·1	-2·2	54	22,23	26	20	-	-	3·52	89	163	·72	13	17	14	-	-	-	-	-	-	-	-	-	-
	Enfield	9 9 9	148	41·8	33·5	37·7	-2·6	53	22,23	24	20	-	43·8	3·33	85	136	·79	13	18	8	5	2	0	0	7	11	-	0·48	*42*	6
	*g*Greenwich ..	2424 9	149	42·3	34·2	38·3	-2·8	53	1,23	25	20	42·4	46·1	3·41	87	152	·68	2	19	10	7	0	0	0	7	15	0	0·44	45	6
		21 9 –	—	41·9	35·4	38·7																								
	Hampstead ..	9 9 9	450	41·3	33·0	37·1	-2·6	52	1	23	20	-	-	3·72	94	-	·82	13	22	12	10	5	0	0	-	23	-	0·64	*57*	8
	Kensington ..	18–9 9	80																											
	Kingsway ..	—	—																									0·35	-	4
	Regent's Park ..	9 9 9	129	43·4	35·3	39·3	-	55	1	27	20	-	-	4·26	108	-	1·01	1	15	12	3	0	0	0	7	12	-	0·48	60	6
	Kew ¶§	242424	18	42·6	34·7	38·7	-2·8	53	23	26	20	39·6	45·0	3·44	87	151	·97	13	17	9	4	0	0	0	3	14	0	0·80	66	10
	Observatory ..	18–7 –	—	42·1	35·6	38·9	-2·5																							
	Tottenham ††¶§	2121 9	51	42·8	35·3	39·1	-3·0	54	23	26	20	-	47·5	3·46	88	154	·77	13	17	12	1	0	0	0	-	10	-	0·46	*65*	6S
	Westminster ..	9 9 9	27	44·1	36·1	40·1	-2·2	54	1,22	28	6,19	-	-	3·80	97	179	·81	13	15	10	2	0	0	0	-	10	-	0·36	51	5
Surrey	Addington ..	9 9 9	472	41·0	33·3	37·1	-2·8	54	1	22	20	-	-	4·79	122	-	1·05	2	23	15	0	0	0	0	11	-	-	-	-	-
	Croydon	18–7 7	217	42·2	35·7	38·9	-2·0	54	1	25	20	-	-	4·41	112	162	1·03	2	21	10	8	1	1	0	6	8	0	0·68	*55*	9
	Wisley	9 9 9	150	42·7	33·8	38·3	-2·6	53	1,22	23	7	40·5	45·1	4·11	104	-	1·11	13	17	13	1	1	0	0	5	17	0	0·83	62	10S
Kent	Biggin Hill ..	18–7 7	567	40·2	34·1	37·1	-2·4	52	1,23	24	20	-	-	5·31	135	156	1·13	2	23	13	10	5	1	0	9	14	0	0·79	*58*	10
	Bromley	9 9 9	213	42·8	34·6	38·7	-	55	1	24	20	-	-	3·88	99	159	1·00	2	20	13	4	1	0	0	4	15	-	-	-	-
	Canterbury ..	9 9 9	135	42·5	34·6	38·5	-2·4	54	23	26	20	40·7	43·9	5·19	132	-	·90	13	19	16	-	-	-	-	-	14	-	-	-	-
	Dover	9 9 9	22	44·5	36·2	40·3	-1·8	54	23	26	7	42·0	46·5	6·35	161	-	1·23	16	23	18	5	0	1	0	3	17	3	1·16	*72*	15
	Dungeness ..	18–7 7	20	43·4	35·7	39·5	-2·3	57	1	21	7	-	-	4·32	110	157	·67	13	20	16	3	0	4	0	2	-	2	-	-	-
	East Malling ..	9 9 9	132	42·2	33·1	37·7	-1·8	55	1	24	7,19	-	-	4·08	104	-	·88	2	21	13	2	0	1	0	7	13	0	0·54	*40*	7
	Folkestone ..	9 9 9	101	43·8	35·7	39·7	-2·2	55	23	27	7	-	47·4	7·45	189	-	1·10	2	22	19	2	0	4	1	5	12	-	1·15	70	15
	Goudhurst ..	9 9 9	290	42·6	32·8	37·7	-	54	1,25	23	7	-	-	4·49	114	-	1·29	2	21	14	3	0	0	0	6	20	-	-	-	-
	Lympne	18–7 7	346	40·7	34·5	37·6	-2·3	52	23	20	7	-	44·7	5·65	144	175	·86	3	23	19	7	0	5	0	6	15	1	1·13	*65*	14
	Manston	18–7 7	142	42·7	36·0	39·3	-	55	1,23	22	7	-	-	5·26	134	-	·93	3	21	17	4	0	6	0	5	10	0	0·88	-	11
	Margate .. ¶§	9 9 9	51	44·1	37·0	40·5	-1·8	55	1	28	7	41·3	45·7	4·64	118	203	·71	2	18	16	0	0	3	0	2	1	0	0·75	55	10
	Tunbridge W. ..	9 9 9	355	42·0	32·5	37·3	-2·8	54	1	22	6,19	38·7	43·3	4·62	117	-	·80	2	20	13	6	1	1	0	1	15	0	0·86	62	11
	Wye	9 9 9	164	42·1	33·9	38·0	-1·3	54	23	26	7,13,19	-	-	6·17	157	-	1·54	8	21	16	1	0	0	0	-	15	0	0·82	*51*	10
Sussex	Ardingly ..	9 9 9	437	41·5	33·2	37·3	-1·9	52	1	25	7,19	-	-	4·43	113	-	·87	2	21	14	3	2	0	0	-	17	-	-	-	-
	Beachy Head ..	18–7 7	502	41·8	35·0	38·4	-2·4	52	1	28	26	-	-	4·50	114	-	·80	13	17	13	3	0	0	0	4	-	-	-	-	-
	Brighton ..	9 9 9	32	44·1	35·9	40·0	-2·6	53	1	28	20	-	47·1	4·31	109	129	·77	2	20	16	2	0	2	0	3	13	2	1·25	75	16
	Eastbourne ..	2121 9	35	44·2	36·6	40·4	-2·7	53	1,23	29	7,20	42·4	47·3	4·95	126	142	·71	13	21	17	0	0	0	0	2	12	-	1·37	80	17
	Hastings ¶§	2121 9	149	43·9	35·7	39·8	-2·4	55	23	27	7	40·8	47·3	4·41	112	144	·68	13	22	16	3	0	1	0	2	11	1	1·31	74	16
Berkshire	Ascot H'therw'd	2121 9	300	41·7	33·1	37·4	-1·9	53	1,23	26	7,19,20	-	-	3·61	92	-	·94	13	23	12	6	3	0	1	7	15	-	1·19	*80*	15
	Reading	9 9 9	152	43·1	33·9	38·5	-2·2	54	23	25	6,7,20	40·3	46·0	2·78	71	-	·64	1	22	13	6	0	0	1	-	17	0	-	-	-
	Shinfield ..	9 9 9	200	43·4	32·8	38·1	-2·1	54	23	22	7	-	-	2·92	74	-	·63	1	16	11	4	3	0	0	-	-	-	-	-	-
	Warfield	9 9 9	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

g Temperature from thermometers on a Glaisher stand.

¶§ 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 DECEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall		Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	Percentage of Possible
5 ENGLAND, S.E.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in											hr	%	%
Hampshire	Bournemouth ..	9 9 9	139	43·8	35·2	39·5	-2·8	53	1	27	10	41·8	45·0	4·45	113	114	·80	7	20	27	3	3	0	0	3	-	-	1·81	94	23
	Calshot	18–7 7	8	43·5	37·1	40·3	-2·2	53	23	27	18	-	-	6·05	153	207	2·52	7	18	15	3	0	0	1	0	11	0	1·51	81	19
	Leckford ..	9 9 9	385	41·9	32·9	37·4	-	52	22	25	7	39·5	-	3·36	85	-	·50	7	19	14	3	6	0	-	5	-	-	1·39	-	18
	Long Sutton ..	9 9 9	479	41·9	32·6	37·3	-2·0	52	22	23	7	39·0	-	4·19	106	-	·76	19	21	11	5	3	1	1	4	15	-	1·25	93	16
	Southamp'n ¶§	2121 9	64	43·9	35·3	39·6	-2·5	52	1,22,23	26	6	-	-	5·81	148	159	1·80	7	20	14	4	1	0	1	8	12	0	1·14	73	14
	S. Farnboro' ††..	18–7 7	226	42·0	34·4	38·2	-2·0	53	23	21	6,7	-	-	4·07	103	45	1·09	13	20	11	11	1	0	1	2	15	0	1·35	93	17
I. of Wight	Newport	9 9 9	48	44·0	34·3	39·1	-2·3	54	1	23	7	-	-	8·36	212	-	4·14	7	22	16	2	1	2	2	7	19	2	-	-	-
	Ryde	9 9 9	13	44·8	37·4	41·1	-1·9	53	1,22	31	7,11	-	-	5·68	144	-	2·09	7	19	14	3	0	1	1	1	-	0	1·56	96	20
	Sandown ..	9 9 9	13	45·4	36·7	41·1	-2·6	55	23	30	6,18	-	-	5·78	147	-	1·90	7	21	15	1	1	0	2	0	-	-	1·60	89	20
	Totland Bay ..	9 9 9	140	44·5	36·5	40·5	-2·8	53	1	29	10	-	-	5·82	148	181	1·94	7	22	17	2	2	0	2	1	11	4	1·69	94	21
	Ventnor(Hospital)	9 9 9	59	45·9	37·5	41·7	-2·4	57	24	31	10	-	-	6·32	160	192	2·10	7	21	18	2	0	1	2	-	-	0	1·87	103	23
Wiltshire	Amesbury (Boscombe Down)	18–7 7	417	41·5	33·7	37·6	-	51	1,23,24	21	10	-	-	2·98	76	-	·80	7	22	13	6	6	1	0	4	13	0	1·36	-	17
	Larkhill	9 9 9	440	41·6	31·5	36·5	-3·2	52	22	21	6,10	-	-	2·70	69	92	·63	7	22	10	5	4	1	0	7	19	0	-	-	-
	Marlboro' ¶§	9 9 9	424	42·5	30·8	36·7	-3·0	53	22	21	6,7,18	40·4	45·5	2·46	63	70	·39	1	23	15	5	3	0	0	5	20	2	1·23	103	16
	Porton	9 9 9	363	42·3	31·5	36·9	-2·4	52	1,22,23	19	10	39·2	-	3·52	89	112	1·20	7	15	12	4	4	0	1	3	17	0	1·41	84	18
7a ENGLAND, N.W.																														
Cumberland	Keswick	9 9 9	254	41·4	30·9	36·1	-4·6	55	24	16	12,13	38·1	44·7	2·88	73	43	·45	22	18	13	9	17	2	0	0	21	0	1·15	160	16
	Newton Rigg ¶§	2121 9	560	39·0	27·6	33·3	-5·0	53	24	11	12,20	-	-	2·78	71	67	·56	10	20	10	13	18	0	0	4	21	0	0·99	100	14
Westmorland	Ambleside ..	9 9 9	145	40·6	30·5	35·5	-	52	24	16	20	-	-	5·36	136	-	·83	22	17	13	7	20	0	0	2	-	-	1·44	-	20
	Appleby	9 9 9	440	39·7	29·1	34·4	-3·6	51	24	20	14,21	-	-	2·10	53	53	·46	11	18	11	8	1	0	0	-	-	-	-	-	-
Lancashire	Bolton	9 9 9	342	41·7	32·7	37·2	-2·8	54	24	22	18,19	38·6	43·1	2·73	69	58	·47	4	17	14	5	17	0	0	-	14	-	1·02	213	148
	Burnley	9 9 9	458	40·2	31·7	35·9	-3·2	53	24	19	10,18	38·0	42·7	2·16	55	-	·37	10	23	12	12	11	1	0	4	25	-	0·13	31	28
	Darwen	2121 9	724	39·7	32·1	35·9	-2·8	53	24	23	10	38·0	43·3	3·33	85	60	·57	12	20	14	12	17	0	0	11	19	-	0·88	133	12
	Hutton	9 9 9	82	41·6	32·6	37·1	-2·8	55	24	20	10,18	38·1	44·0	2·02	51	-	·42	4	14	11	4	4	0	0	12	22	0	1·16	123	16
	Lancaster ..	9 9 9	312	41·9	33·4	37·7	-2·7	52	24	24	10	36·5	41·3	2·39	61	55	·40	10,13	13	11	4	1	0	0	2	18	-	0·87	78	12
	Leyland	9 9 9	125	41·7	31·2	36·5	-3·4	56	24	19	10,18	-	-	2·00	51	57	·35	4	16	12	4	1	1	0	8	22	-	1·33	134	18
	Manchester (Barton) ..	18–7 7	70	41·0	32·9	36·9	-	55	24	20	18,20	-	-	2·18	55	-	·62	4	20	10	7	3	1	0	8	20	0	0·73	-	10
	(Oldham Road)	2121 9	191	42·0	35·5	38·7	-2·8	54	24	27	18	38·7	44·8	2·10	53	59	·54	4	19	13	9	-	0	0	-	15	-	0·31	135	48
	(Whitworth Pk.)	2121 9	125	43·0	34·4	38·7	-2·2	56	1	24	18	-	-	2·33	59	72	·51	4	19	14	-	-	-	-	10	19	-	0·28	68	4
	Southport (Bedford Rd.Pk.)¶§	9 9 9	35	42·5	32·8	37·7	-3·2	55	24	21	10	37·6	43·3	2·02	51	63	·40	4	15	12	9	0	7	0	4	13	0	1·23	103	17
	Stonyhurst ¶§	9 9 9	377	40·8	32·9	36·9	-2·9	53	24	21	18	-	-	1·89	48	39	·39	4,20	18	10	11	5	0	0	6	20	0	1·55	163	21
Cheshire	Bidston Obs'y ..	9 9 9	198	42·2	34·7	38·5	-3·0	55	24	27	20	-	-	2·89	73	109	1·06	5	20	9	7	6	2	0	8	9	0	1·09	81	14
	Hoylake	9 9 9	23	43·5	33·8	38·7	-3·2	56	24	24	10	-	-	2·77	70	101	·88	5	16	10	5	1	1	0	-	24	-	1·24	94	16
	Macclesfield ..	9 9 9	500	40·6	32·1	36·3	-2·5	53	24	21	10	-	-	2·65	67	76	·64	4	21	15	9	17	0	0	7	-	-	-	-	-
	West Kirby ..	9 9 9	25	42·3	33·8	38·1	-2·4	56	24	26	10,20	-	-	2·30	59	87	·72	5	18	9	10	2	9	0	0	22	-	1·23	94	16
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	42·8	32·7	37·7	-4·3	57	24	23	10,18	-	-	2·57	65	-	·87	4	19	10	8	1	4	0	6	-	-	-	-	-
	Rhyl	9 9 9	31	44·4	35·0	39·7	-2·6	57	24	24	10	-	-	3·21	81	129	·89	5	19	10	7	1	5	0	1	12	1	1·36	97	18
	Sealand .. ¶§	18–7 7	16	41·7	33·8	37·7	-3·4	57	24	23	18	40·4	45·9	2·61	66	104	·71	5	20	11	4	0	2	0	7	17	0	0·80	60	11
Anglesey	Holyhead ¶§	18–7 7	26	45·4	40·2	42·8	-1·9	53	24	33	9,18	-	-	4·01	102	96	1·04	12	21	16	1	0	9	0	0	6	2	1·21	92	16
Denbigh	Colwyn Bay ..	9 9 9	118	45·0	37·1	41·1	-2·2	56	24	27	9	-	-	1·86	47	58	·35	4	18	12	4	0	4	0	0	-	-	0·95	74	13
Carnarvon	Aber	9 9 9	60	46·0	37·0	41·5	-1·8	57	22	29	10	-	-	3·14	80	-	1·28	10	19	16	5	1	2	0	-	13	0	0·38	72	5S
	Llandudno ..	9 9 9	13	45·4	37·0	41·2	-2·1	59	24	27	9	-	-	1·89	48	65	·47	10	18	11	7	0	4	0	0	8	0	1·26	100	17
Montgomery	Welshpool ..	9 9 9	254	44·1	31·7	37·9	-2·4	56	24	21	10	-	-	2·50	63	76	1·23	12	19	10	2	3	0	0	6	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberystwyth ..	9 9 9	12	45·1	37·1	41·1	-2·0	54	24	25	10	-	-	2·53	64	-	·44	4	16	15	0	0	5	0	1	-	-	1·58	119	21
	„ P.B.S.†	9 9 9	452	42·9	35·5	39·2	-0·7	53	24	26	10	-	-	2·97	75	-	·78	4	19	14	1	0	2	0	0	15	0	1·49	92	19
	Ciliau Aeron ..	9 9 9	252	44·8	33·3	39·1	-	53	24	20	10	-	-	2·66	68	-	·55	4	19	13	0	0	5	1	0	-	0	1·69	-	22
Pembroke	Haverfordwest ..	2121 9	233	45·0	35·4	40·2	-2·8	53	24	21	9,10	-	-	4·76	121	-	·99	11	19	17	4	0	3	2	1	-	-	1·60	96	20
	St. Ann's Hd. ¶§	18–7 7	142	46·3	39·6	42·9	-2·4	53	24	30	9	-	-	3·93	100	87	·65	14	20	14	4	0	8	0	2	-	7	1·29	88	16
Radnor	Llandrindod Wells	9 9 9	772	41·1	30·9	36·0	-	52	24	18	18	-	-	3·18	81	-	·78	4	17	12	8	9	0	0	2	-	0	0·66	-	9
	Rhayader ¶§	9 9 9	757	40·4	31·0	35·7	-3·4	53	24	12	10	-	-	3·96	101	64	·95	2	20	16	9	11	0	0	3	19	0	0·54	50	7
Brecknock	Cantref	9 9 9	1080	39·0	31·1	35·1	-	50	24	21	10	-	-	5·19	132	-	·78	1	19	15	11	11	0	0	1	-	-	1·42	-	18
Glamorgan	Cardiff	2121 9	203	44·1	35·0	39·5	-2·2	54	24	27	10,18	40·4	46·5	2·24	57	45	·46	10	15	13	0	0	1	0	1	15	0	1·55	97	20
	Swansea	9 9 9	32	44·9	36·3	40·6	-2·8	52	23,24	28	10	40·4	50·2	2·94	75	-	·56	4	19	13	2	0	1	0	7	16	-	1·57	108	20
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	42·9	33·8	38·3	-3·1	53	24	25	18	39·2	45·5	2·92	74	-	·50	12	18	10	-	-	-	-	5	-	-	1·57	-	20
	Usk	9 9 9	70	43·9	31·1	37·5	-2·6	54	24	13	18	39·5	-	3·15	80	-	1·31	12	12	12	0	0	0	0	1	18	0	1·25	99	16
Somerset	Bath .. ¶§	9 9 9	67	43·5	33·5	38·5	-3·0	55	24	24	6	40·6	46·0	2·17	55	63	·45	1	21	11	4	2	0	0	4	-	0	1·28	89	16
	Cannington ..	9 9 9	95	44·5	35·1	39·8	-	56	23	23	7	-	-	2·32	59	-	·39	1	21	13	2	2	1	1	3	13	0	1·24	-	16
	Long Ashton ..	9 9 9	162	44·0	33·4	38·7	-2·6	55	24	23	18	-	-	2·10	53	54	·40	10	24	11	3	1	1	0	4	18	0	1·28	94	16

† Plant Breeding Station. ¶§ § *See* Notes on Tables on last page of this issue. ††New site as from May 19, 1937.

TABLE III (*continued*)—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS DECEMBER, 1937

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft	4 ft	RAINFALL: Total Fall in	Total Fall mm	Percentage of Average	Most in a day: Amount in	Most in a day: Date	WEATHER Number of days: Precip'n 0·2 mm or more	Precip'n 1 mm or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage: of Average	Percentage: of Possible
8b ENGLAND, S.W.—*cont.*		G.M.T.	ft	°F	°F	°F	°F	°F		°F		°F	°F	in	mm	%	in										hr	%	%
Dorset	Holton Heath ..	9 9 9	64	44·8	34·0	39·4	-2·5	54	23	25	6,10	40·2	44·7	4·19	106	-	1·08	1	20	15	3	1	0	0	4	15	0	-	-	-
	Portland Bill ..	18-7 7	32	45·8	39·5	42·7	-2·6	54	1	31	9,10	-	-	2·94	75	95	·43	4	19	17	1	0	0	0	1	-	0	-	-	-
	Shaftesbury ..	9 9 9	722	41·1	33·1	37·1	-3·0	51	22	24	10	-	-	4·22	107	117	1·21	1	21	17	6	11	0	0	-	-	-	-	-	-
Devon	Arlington ..	9 9 9	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cullompton ¶§	9 9 9	202	43·9	30·6	37·3	-4·6	54	24	23	10,18,19	41·9	-	3·40	87	78	·67	1	17	13	3	2	1	0	3	19	-	1·21	80	15
	Ilfracombe ..	9 9 9	25	46·7	39·5	43·1	-2·0	55	25,26	30	10	43·1	48·8	3·82	97	82	·74	10	16	13	0	0	0	0	0	0	-	1·16	93	15
	Killerton ..	9 9 9	159	44·5	34·8	39·7	-2·3	55	24	24	10	-	-	3·51	89	-	·63	1	17	13	-	-	-	-	4	13	-	-	-	-
	Moretonhampstead	9 9 9	798	42·8	34·2	38·5	-	54	25	25	10	40·6	45·2	4·72	120	-	·94	20	21	12	11	5	1	0	1	14	0	1·68	-	21
	Newton Abbot ..	9 9 9	375	44·9	35·6	40·3	-1·8	54	23,25	27	10,18	-	-	3·46	88	75	·62	1	18	13	6	3	0	0	4	6	-	1·74	99	22
	Paignton ..	9 9 9	12	46·5	36·4	41·5	-2·5	55	23,25	26	10	-	-	4·38	111	-	·85	20	18	14	2	1	2	0	2	12	-	1·92	*110*	24
	Plymouth (Hoe)	2121 9	117	46·1	38·3	42·2	-2·3	54	1	27	10,18	42·4	46·7	5·24	133	105	·86	20	21	16	2	0	2	0	7	7	1	1·97	117	25
	Plymouth .. (Mount Batten)	18-7 7	82	46·0	39·6	42·8	-2·1	54	23	29	10,18	-	-	4·51	114	-	·78	20	18	16	1	1	2	1	1	6	1	1·96	*115*	24
	Princetown ..	9 9 9	1430	40·3	33·3	36·8	-2·7	52	25	27	9,10,28	-	-	6·52	166	56	1·08	12	18	15	1	0	1	0	13	12	-	-	-	-
	Sidmouth ..	9 9 9	25	45·6	36·4	41·0	-2·3	53	1,23	26	10	-	-	3·21	82	-	·45	12	20	13	3	1	0	0	2	-	-	1·69	-	21
	Tavistock ..	9 9 9	457	44·6	35·9	40·3	-2·0	52	22,23,25	23	10	-	45·2	4·67	119	73	·80	4	19	15	1	1	4	0	3	13	0	-	-	-
	Teignmouth ..	9 9 9	20	46·4	38·0	42·2	-2·3	55	22,23,24	29	18	-	-	3·85	98	91	·70	1	18	12	2	1	0	0	1	-	-	1·80	97	22
	Torquay ..	9 9 9	27	46·3	37·1	41·7	-3·0	55	25	27	10	-	46·8	3·87	98	86	·66	20	17	14	1	1	0	0	3	7	2	2·08	109	26
Cornwall	Falmouth Obs. ¶§	9 9 9	167	47·2	38·6	42·9	-2·1	54	23,24	27	9	43·8	48·5	5·42	138	87	1·06	20	20	16	0	0	8	0	1	10	-	1·93	110	24
	Fowey	9 9 9	51																											
	Gulval	9 9 9	20	48·1	39·4	43·7	-1·3	54	23,24	30	9,10	-	-	6·26	159	-	·91	20	21	17	0	0	3	0	0	14	-	1·59	95	20
	The Lizard ..	18-7 7	240	46·9	40·5	43·7	-	54	1	31	9,31	-	-	4·41	112	-	·91	20	21	19	1	0	2	2	3	-	3	-	-	-
	Newquay ..	9 9 9	182	47·1	38·9	43·0	-1·7	55	24	27	10	43·9	48·2	2·70	69	62	·54	10	17	15	0	0	7	0	1	-	1	1·64	98	20
	Redruth	9 9 9	397	45·7	38·6	42·1	-1·9	52	22,24,25	30	10	-	-	4·58	116	73	1·07	20	21	14	1	0	3	0	1	16	0	-	-	-
9 IRELAND, N.																														
Sligo	Markree Cas. ¶§	2121 9	122	43·8	33·3	38·5	-2·7	55	22	19	9	42·1	46·4	3·91	99	82	·49	4	21	17	4	6	5	1	3	-	0	1·52	136	21
Mayo	Blacksod Pt. ¶	18-7 7	18	47·3	37·0	42·1	-2·6	55	22,23	29	9	-	-	6·43	163	105	1·52	23	22	21	1	0	9	2	0	-	3	-	-	-
	Mallaranny §	9 9 9	113	45·2	36·9	41·1	-2·6	53	21,23,25	27	7,9	-	-	5·87	149	-	·89	23	20	18	-	-	-	-	0	-	-	1·52	*138*	20
Donegal	Malin Head ¶§	18-7 7	84	45·4	39·2	42·3	-1·2	54	22,24	30	6	-	-	2·54	64	76	·66	4	22	11	3	0	8	3	0	-	0	0·82	*78*	12S
Antrim	Aldergrove ..	18-7 7	238	41·9	34·3	38·1	-	54	24	19	18	-	-	3·20	81	93	·47	1	19	15	10	9	0	0	4	13	0	1·33	-	18
Down	†Donaghadee ..	8 8 8	30	45·8	35·2	40·5	-1·4	54	24	28	17	-	-	4·52	115	142	·83	1	20	15	-	-	-	-	2	-	-	1·00	-	14
	Hillsborough ..	9 9 9	388	41·5	32·5	37·0	-	53	24	22	10	41·2	-	3·27	83	-	·81	1	19	15	9	14	1	0	4	18	0	1·01	-	14
Armagh	Armagh .. ¶§	2121 9	204	42·2	33·2	37·7	-3·1	55	24	21	8	39·5	43·9	2·24	57	72	·50	1	19	13	5	7	0	0	3	15	0	1·14	90	16
Longford	Newtownforbes ..	2121 9	154	42·5	32·3	37·4	-3·3	55	24	21	6,18	39·6	44·7	2·37	60	59	·39	10	14	14	0	0	0	0	-	-	-	-	-	-
10 IRELAND, S.																														
Dublin	Dublin City .. ¶	2121 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	„ Glasnevin ..	2121 9	55	43·8	33·3	38·5	-3·8	59	24	21	18	-	-	2·12	54	83	·63	1	21	13	5	0	0	0	7	15	0	-	-	-
	„ Phœnix Pk. §	2121 9	155	43·2	33·2	38·2	-3·3	57	24	20	18	-	-	1·74	44	69	·53	1	18		2	4	0	0	6	15	0	1·10	75	15
	„ Trin. Coll. ..	2121 9	13	44·5	36·3	40·4	-3·1	59	24	25	18	40·6	44·6	1·70	43	72	·46	1	20	11	4	0	0	0	-	14	0	-	-	-
	Hazelhatch .. .. (Peamount San.)	9 9 9	366	43·5	32·0	37·7	-	58	24	20	18	41·2	43·4	1·78	45	-	·50	1,11	8	8	-	-	-	-	-	-	-	0·96	-	8
	Rathfarnham ..	9 9 9	169	44·3	34·5	39·4	-	58	24	21	18	40·4	-	2·31	59	-	·64	1	19	13	4	3	0	0	1	15	-	1·08	-	14
Wicklow	Newcastle ..	2121 9	256	48·0	34·8	41·4	-1·2	55	3	28	6	-	-	3·84	98	-	·90	20	26	15	5	2	0	0	0	-	-	-	-	-
Offaly	Birr Castle ¶§	18-7 7	173	42·3	34·3	38·3	-3·5	56	24	19	8	40·7	45·4	1·94	49	59	·49	22	14	10	1	1	0	0	3	0	0	1·18	84	16
Waterford	Seskin, Carrick-on-Suir	9 9 9	535	41·6	34·1	37·9	-3·6	53	24	24	9	-	-	2·51	64	-	·94	20	17	13	0	0	0	0	2	20	0	0·47	31	6
	Waterford ¶	9 9 9	137	44·5	35·7	40·1	-2·8	53	24	25	9,18	-	-	2·51	64	55	·62	20	18	12	1	0	0	0	9	-	0	-	-	-
Limerick	Foynes	9 9 9	43	45·4	36·4	40·9	-2·0	56	22,23	25	18	-	-	2·50	63	53	·43	22	15	13	-	-	-	-	-	-	-	-	-	-
Kerry	Valentia Obs. ¶§	242424	30	47·3	39·7	43·5	-1·9	55	24	27	10	43·5	47·1	5·35	136	80	·79	20	22	20	0	0	10	0	0	6	7	1·46	116	19
		18-7 -	—	47·0	40·0	43·5	-2·6																							
Cork	Ballinacurra §	9 9 9	24	45·9	35·5	40·7	-2·4	54	24	26	6,9	-	-	2·15	55	42	·72	20	16	13	0	0	0	0	-	-	-	1·60	117	21
	Cork	9 9 9	57	45·8	35·8	40·8	-1·9	54	23,25	24	9	-	-	2·47	63	48	·80	20	18	13	0	0	1	0	0	18	-	1·90	-	24
	Roche's Pt. ¶	18-7 7	22	45·6	39·4	42·5	-2·8	53	24	29	9	-	-	2·43	62	46	·56	20	20	12	1	0	0	0	0	-	1	-	-	-
11 CHANNEL ISLES AND SCILLY																														
Scilly	St. Mary's ¶§	18-7 7	163	47·5	42·7	45·1	-2·1	54	24	36	10	-	-	4·17	106	95	·63	6	22	17	0	0	5	1	2	-	5	1·85	108	23
Guernsey	St. Peter Port ¶§	18-7 7	175	47·3	42·0	44·7	-0·8	54	1,23	35	10	43·8	48·6	6·45	164	158	1·29	10	24	20	0	0	5	1	0	5	0	1·12	70	14
Jersey	St. Heliers ¶§	9 9 9	28	47·2	40·8	44·0	-1·5	53	1	33	31	-	-	5·37	136	130	·85	13	25	20	1	0	1	1	1	-	-	1·05	63	13
GIBRALTAR		18-7 7	393	58·5	50·5	54·5	-2·0	68	8	42	31	-	-	7·83	199	-	1·65	9	12	9	0	0	0	1	0	0	1	-	-	-
MALTA		18-7 7	231	60·0	52·0	56·0	-1·6	70	11	43	30	-	-	4·77	121	141	·95	13	17	12	0	0	6	8	0	-	2	4·47	89	46

¶§ S See Notes on Tables on last page of this issue. † Sunshine recorder is at Mount Stewart.

TABLE III (*a*)—RIVER TEMPERATURE

Place	River	Hour	Highest	Lowest	Mean
			°F.	°F.	°F.
Atten-borough	Trent	7	45·0	36·0	39·9
	„	18	45·0	36·0	40·1

TABLE III (*b*)—SKY OBSERVATIONS, DECEMBER, 1937

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH	Number
Persistently overcast days	4
„ cloudless „	0
„ foggy „	0

NIGHT SKY RECORDER**	GREENWICH	PORTON
Recorder in operation on	31 nights	31 nights
Average exposure (hours)	13·86	13·4
Polaris unobscured (per cent.)	22	30
δ Ursæ Minoris (ditto)	16	15

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

TABLE III (*c*)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY

	th	Cal./cm.²/diem.
Max. (on 12th)	.. ..	232
Mean	.. ..	23

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, 1937

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								
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
					AT MEAN SEA LEVEL	DIFFERENCE FROM AVERAGE	DRY BULB	DEPRESSION OF WET BULB	VAPOUR PRESSURE	RELATIVE HUMIDITY	MEAN AMOUNT	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
0 SCOTLAND N.			1	160	1012·6	-	40·2	1·7	7·2	85	7·5	0	3	4	15	9	0	0	0	0	0	1	1	3	26	0	5	5	11	10	0	5	4	2	2	10	4	1	3
Shetlands	Lerwick ..	..	7	160	1013·7	+10·1	40·1	1·8	7·0	84	7·6	0	3	6	12	10	0	0	0	0	1	0	4	4	22	0	3	5	14	9	0	4	4	1	4	9	4	2	3
			13	160	1013·1	-	40·2	1·6	7·3	86	8·3	0	0	4	22	5	0	0	0	0	0	0	3	3	25	0	2	7	11	11	0	4	3	3	4	7	4	3	3
			18	160	1013·2	-	39·6	1·3	7·3	88	7·7	0	2	6	11	12	0	0	0	0	0	0	5	5	21	0	3	4	11	12	1	6	4	2	3	7	4	0	4
Orkneys	Deerness ..	..	9	165	1012·5	-	39·4	2·0	6·7	82	6·5	0	3	13	14	1	0	0	0	0	0	0	0	4	26	1	-	-	-	-	-	-	-	-	-	-	-	-	-
			21	165	1013·1	-	39·6	1·9	6·9	83	6·4	0	6	11	8	6	0	0	0	0	0	0	0	1	30	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrides	Stornoway ..	..	1	83	1011·8	-	40·1	2·0	6·9	82	6·7	0	7	5	11	8	0	0	0	0	0	0	1	12	18	0	0	10	8	11	2	4	4	2	3	7	4	2	3
			7	83	1011·6	+7·5	40·0	1·8	7·0	84	7·5	1	2	7	13	8	0	0	0	0	0	0	1	14	16	0	1	6	11	12	1	5	2	2	3	7	6	3	2
			13	83	1011·7	-	41·4	2·3	7·0	80	7·7	0	1	9	13	8	0	0	0	0	0	1	2	4	16	8	1	6	11	9	4	4	2	3	5	5	2	3	3
			18	83	1012·1	-	40·2	2·1	6·9	81	7·4	0	4	8	11	8	0	0	0	0	0	0	2	12	17	0	2	6	8	11	4	4	3	3	2	6	4	2	3
Caithness	Wick ..	..	1	79	1012·0	-	38·7	1·7	6·7	85	7·5	0	3	7	10	11	0	0	0	0	1	0	2	5	23	0	3	1	10	17	0	2	2	2	1	8	4	7	5
			7	79	1011·9	+7·4	38·6	1·9	6·6	83	6·9	0	4	8	8	11	0	0	0	0	0	0	4	27	0	5	2	6	18	0	2	2	0	3	6	5	7	6
			13	79	1012·1	-	40·1	2·0	6·9	82	8·0	0	0	7	12	12	0	0	0	0	0	1	0	5	25	0	3	4	9	15	0	3	3	2	2	10	0	6	5
			18	79	1012·4	-	39·5	1·7	6·9	85	7·7	0	0	7	15	9	0	0	0	0	0	1	0	7	23	0	3	2	10	16	0	4	2	1	1	8	4	5	6
Inverness	Dalwhinnie†	..	7	1180	969·4	-	31·4	0·6	5·5	93	8·1	0	5	1	10	15	0	0	0	1	0	2	7	18	3	0	0	1	7	16	7	6	5	0	3	6	4	0	0
			13	1180	969·2	-	33·1	1·0	5·7	89	8·7	0	2	1	14	14	0	0	0	2	0	1	7	12	9	0	0	5	5	15	6	7	5	0	4	2	7	0	0
			18	1180	969·6	-	31·3	0·7	5·5	92	7·1	1	4	6	9	11	0	0	0	1	1	0	7	16	6	0	0	2	7	19	3	7	6	1	3	5	6	0	0
Inverness	Inverness ..	..	9	250	1013·9	-	35·5	1·3	6·1	87	4·8	0	7	24	0	0	0	0	0	0	0	0	0	0	9	22	0	0	3	28	0	0	4	0	7	4	15	1	0
			17	250	1013·3	-	36·3	1·5	6·2	85	5·4	0	3	23	4	1	0	0	1	0	0	0	0	0	9	21	0	0	1	30	0	0	4	1	5	4	16	0	1
1 SCOTLAND, E.			7	85	1012·3	+5·7	36·3	1·5	6·2	85	6·5	1	8	2	12	8	0	0	0	0	2	0	10	15	4	0	0	0	8	21	2	4	0	1	2	3	7	1	11
			13	85	1012·4	+5·6	39·3	2·2	6·5	80	7·1	0	7	2	16	6	0	0	0	1	1	4	7	14	4	0	0	0	9	19	3	3	2	2	3	6	2	1	9
Aberdeen	Aberdeen H		18	85	1012·7	+5·5	38·1	1·8	6·5	84	7·4	0	6	3	13	9	0	0	0	0	1	3	11	15	1	0	0	1	8	19	3	3	1	2	1	4	4	2	11
			21	85	1013·0	+5·8	37·7	1·7	6·4	85	6·7	4	4	3	12	8	0	0	0	1	1	4	13	12	0	0	0	0	7	22	2	4	0	2	1	4	2	2	14
			h.*	85	1012·5	+5·6	37·7	1·8	6·5	84																													
Aberdeen	Braemar‡ ..	..	9	1108	1013·9	-	30·4	0·6	5·3	92	7·7	0	6	3	6	16	0	0	0	0	3	10	9	6	3	0	0	1	0	15	15	1	2	1	2	0	7	2	1
Perth	Crieff ..	..	9	482	1012·3	-	34·0	1·4	5·7	85	8·0	1	4	2	6	18	-	-	-	-	-	-	-	-	-	-	1	1	0	29	0	3	2	12	4	2	5	3	0
			21	482	1012·5	-	34·4	1·3	5·8	86	7·0	4	4	3	3	17	-	-	-	-	-	-	-	-	-	-	1	1	3	26	0	5	5	11	4	0	3	3	0
Fife	Inchkeith ..	..	1	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			7	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			18	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fife	Leuchars.. H		7	36	1012·3	-	35·2	1·5	6·0	85	6·3	3	4	7	9	8	0	0	0	0	2	2	4	14	8	1	0	0	3	22	6	6	1	1	2	1	1	5	8
			13	36	1012·2	-	38·5	1·8	6·7	83	7·3	0	5	5	11	10	0	0	0	0	0	2	12	6	8	3	0	0	5	23	3	5	3	3	2	2	7	4
			18	36	1012·5	-	36·2	1·5	6·3	85	6·5	1	6	8	7	9	0	0	0	0	1	3	9	4	12	2	0	0	4	21	6	5	1	3	1	0	3	7	5
Mid Lothian	Edinburgh .. (Blackford Hill)		9	441	1013·0	-	36·3	1·4	6·3	86	7·7	0	6	4	6	15	0	3	0	1	3	7	12	5	0	0	0	3	5	20	3	5	4	3	3	2	5	4	2
			21	441	1013·1	-	36·6	1·5	6·3	85	8·4	2	2	1	7	19	0	0	0	2	6	10	11	1	1	0	0	0	7	15	9	1	3	1	1	3	2	5	6
6a SCOTLAND, W.			7	40	1010·8	-	41·2	2·3	7·0	79	6·5	0	5	6	17	3	0	0	0	0	0	0	2	17	11	1	0	6	13	10	2	6	3	3	6	6	3	1	1
Argyll	Tiree ..	..	13	40	1011·2	-	42·8	2·8	7·1	77	7·1	0	3	8	16	4	0	0	0	0	0	0	4	5	8	14	0	7	10	13	1	4	4	4	4	8	3	1	2
			18	40	1011·7	-	42·0	2·8	6·8	76	6·9	0	6	4	15	6	0	0	0	0	0	0	5	6	8	12	0	5	14	9	3	5	5	3	5	7	2	1	0
Bute	Rothesay ..	..	9	187	1011·6	-	38·2	1·4	6·9	87	6·7	0	8	3	12	8	0	0	1	0	3	1	12	5	9	0	3	2	12	14	0	4	5	8	3	7	1	1	2
			21	187	1012·1	-	38·2	1·6	6·7	85	7·0	0	8	1	12	10	0	0	4	0	0	6	2	11	8	0	0	3	16	11	1	6	3	8	4	1	3	2	3
Renfrew	Renfrew .. (Abbotsinch)	..	7	24	1012·5	-	34·3	0·9	6·2	89	6·5	5	5	2	4	15	1	1	1	4	1	5	9	6	3	0	0	0	4	20	7	2	8	3	0	2	3	5	1
			13	24	1012·4	-	37·9	1·5	6·8	86	7·6	1	5	2	9	14	0	1	3	5	2	6	5	3	4	2	0	1	5	18	7	4	6	3	1	2	4	4	0
			18	24	1012·8	-	35·6	1·3	6·4	87	5·7	6	7	2	2	14	0	3	2	7	3	6	2	3	5	0	0	0	3	21	7	4	4	7	0	0	3	4	2
Dumfries	Eskdalemuir‡‡ H		7	778	1012·2	-	32·9	0·9	5·7	89	7·3	1	5	5	5	15	0	1	1	4	2	3	6	7	7	0	0	0	9	15	7	9	6	2	0	2	3	0	2
			13	778	1011·9	-	35·6	1·2	6·2	87	7·7	1	4	4	7	15	0	0	1	1	3	4	6	6	10	0	0	1	9	19	2	9	7	2	0	5	5	0	1
			18	778	1012·3	-	33·6	1·0	5·7	88	6·5	1	8	4	7	11	0	1	1	1	4	4	3	8	9	0	0	4	4	20	3	13	4	1	1	3	4	2	0
			21	778	1012·7	-	32·9	1·0	5·6	88	6·7	1	9	3	6	12	0	3	0	1	1	7	2	8	9	0	0	2	9	14	6	10	6	1	1	1	5	1	0
			h.*	778	1012·3	-	33·8	1·1	5·8	89																													
6b ISLE OF MAN																																						
Isle of Man	Douglas .. H		9	286	1011·8	+1·7	40·1	1·7	7·3	85	6·6	1	1	9	19	1	0	0	2	0	0	2	19	8	0	0	0	9	19	3	0	6	8	1	2	4	3	1	6
			7	31	1011·2	-	41·2	1·1	7·9	91	7·3	3	3	3	11	11	0	0	0	0	0	0	6	14	11	0	0	7	13	9	2	3	6	7	0	5	4	2	2
Isle of Man	Point of Ayre ..		13	31	1011·3	-	43·1	1·8	8·0	85	7·9	1	3	1	18	8	0	0	0	0	0	0	4	12	15	0	0	8	13	9	1	5	7	4	2	5	3	2	2
			18	31	1011·7	-	42·1	1·6	7·8	86	6·5	2	8	2	11	8	0	0	0	0	0	0	8	11	12	0	0	5	16	10	0	5	5	4	3	6	3	2	3
2 ENGLAND, N.E.																																						
Northumberland	Cockle Park ..		9	331	1011·9	-	36·3	1·0	6·4	90	8·3	0	2	4	13	12	0	0	0	0	1	3	11	0	14	2	0	0	3	25	3	10	1	2	2	2	1	5	5
			21	331	1012·1	-	36·2	1·1	6·4	89	8·6	0	2	3	6	20	0	1	0	0	4	9	13	0	4	0	0	0	4	22	5	9	1	1	2	4	2	2	5
Northumberland	Tynemouth ..		1	122	1011·1	-	39·2	1·4	7·0	87	7·5	0	4	8	8	11	0	0	0	1	4	1	15	8	2	0	1	1	6	23	0	7	3	2	0	5	4	8	2
			7	122	1011·2	+2·4	38·6	1·3	7·1	88	8·1	1	1	5	10	14	0	1	0	0	2	5	11	9	3	0	1	2	9	19	0	7	3	2	0	3	7	8	1
			13	122	1011·2	-	39·8	1·9	7·7	92	8·1	0	1	5	15	10	0	0	2	5	2	4	9	4	5	0	0	1	7	23	0	9	6	2	0	6	6	1	1
			18	122	1011·2	-	39·5	1·4	7·0	87	7·9	0	3	6	7	15	0	0	1	1	3	4	14	5	3	0	0	1	9	21	0	3	9	2	0	4	7	5	1

* Mean of hourly readings. *† Pressure at Station level. ‡ Mean pressure at Station Level is 971·2 mb.
‡‡ Mean pressures at Station Level are 982·8 mb. at 7 h., 982·6 mb. at 13 h., 982·9 mb. at 18 h., and 983·3 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 DECEMBER, 1937

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									
												NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
																	FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY													
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft	mb	mb	°F	°F	mb	%																										
2	ENGLAND, N.E.—*cont.*																																			
Durham	Durham		9	352	1012·3	–	35·2	0·9	6·3	91	7·9	2	3	2	5	19	0	2	2	0	14	5	5	3	0	0	0	0	0	24	7	8	2	2	0	6	1	3	2
			21	352	1012·3	–	35·7	0·8	6·6	92	8·7	3	1	0	1	26	0	1	2	1	2	6	14	5	0	0	0	0	2	18	11	7	2	0	0	2	4	0	5
Yorks., N. Riding	Catterick ..	H	7	186	1011·6	–	34·9	0·7	6·5	93	7·6	1	4	5	7	14	0	0	2	3	3	0	10	11	2	0	0	0	6	19	6	7	0	0	3	5	0	3	7
			13	186	1011·7	–	37·9	1·2	7·0	90	8·1	0	2	4	16	9	0	1	0	1	3	4	10	6	6	0	0	0	7	20	4	6	2	0	5	3	2	3	6
			18	186	1011·8	–	36·3	0·9	6·8	92	7·8	3	2	3	6	17	0	0	2	7	2	1	8	5	6	0	0	0	5	21	5	6	0	0	2	7	1	2	8
Yorks., N. Riding	Scarborough ..		9	96	1011·2	–	40·2	1·5	7·3	87	7·5	0	3	4	20	4	0	1	2	0	0	1	13	8	6	0	0	0	11	20	0	7	4	0	2	3	2	8	5
			9	53	1012·1	–	35·9	0·8	6·5	91	7·2	2	7	1	4	17	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	15	0	0	2	7	1	2	4
	York		21	53	1012·4	–	35·9	0·9	6·5	91	6·6	5	5	1	4	16	–	–	–	–	–	–	–	–	–	–	0	0	1	29	1	19	0	1	1	6	0	1	2
			1	28	1010·9	–	38·2	0·6	7·4	94	7·0	4	1	8	4	14	0	1	1	3	0	2	8	9	7	0	0	2	12	17	0	4	2	3	3	6	3	5	5
Yorks., E. Riding	Spurn Head ..		7	28	1010·5	+0·3	39·1	0·7	7·5	94	8·0	2	2	4	5	18	0	1	2	0	2	0	10	12	4	0	1	3	11	15	1	4	2	3	3	5	0	4	9
			13	28	1011·0	–	40·4	0·9	7·7	92	8·1	1	1	5	12	12	0	1	1	3	4	1	7	12	2	0	0	4	14	13	0	2	6	3	2	5	5	1	7
			18	28	1011·4	–	39·2	0·9	7·5	92	6·7	4	2	4	12	9	0	1	0	2	2	1	9	8	8	0	0	5	12	14	0	4	5	2	4	8	2	0	6
			7	208	1011·5	–	35·6	0·4	6·9	96	7·5	1	4	4	6	16	0	5	2	1	2	8	11	2	0	0	0	1	5	24	1	3	0	1	3	2	5	6	10
Lincoln	†Cranwell ..	H	13	208	1011·6	–	39·0	0·9	7·6	92	8·0	2	2	3	9	15	0	0	3	2	3	7	8	6	2	0	0	1	7	23	0	6	2	0	5	2	8	4	4
			18	208	1012·1	–	36·4	0·5	7·1	95	7·9	2	3	1	8	17	0	5	1	0	8	4	8	5	0	0	0	0	7	21	3	8	1	1	5	3	2	4	4
3	ENGLAND, E.																																			
Norfolk	Cromer ..	H	9	74	–	–	39·2	0·5	7·8	94	7·8	1	1	8	8	13	0	0	3	2	1	2	23	0	0	0	0	1	4	26	0	3	2	4	4	6	3	5	4
			1	26	1011·1	–	38·7	1·2	7·1	89	9·0	0	0	4	7	20	0	0	1	0	0	6	14	10	0	0	0	4	9	18	0	4	3	3	4	3	3	7	4
Norfolk	Yarmouth ..		7	26	1010·9	-0·9	38·7	1·3	7·1	88	8·7	1	1	1	9	19	0	2	1	2	1	5	12	8	0	0	0	2	7	22	0	3	5	1	2	5	3	6	6
			13	26	1011·3	–	41·2	1·7	7·4	85	7·9	1	4	2	12	12	0	0	3	3	0	4	19	2	0	0	1	1	12	17	0	4	4	1	4	3	3	5	7
			18	26	1011·6	–	40·0	1·5	7·3	87	7·7	2	1	6	7	15	0	0	0	1	1	3	16	10	0	0	0	2	12	17	0	3	6	0	4	7	2	5	4
			7	20	1011·0	–	37·9	0·8	7·1	92	8·8	0	2	2	10	17	0	2	2	0	4	0	10	10	3	0	0	3	4	23	1	3	3	1	2	5	2	4	10
Suffolk	Felixstowe Aero.		13	20	1011·5	–	40·1	1·5	7·4	87	8·0	1	5	0	9	16	1	1	0	0	1	7	11	5	5	0	0	1	7	23	0	2	6	0	4	5	1	7	6
			18	20	1011·7	–	38·8	1·1	7·1	90	7·9	1	4	3	5	18	0	0	1	1	3	2	16	8	0	0	0	0	10	21	0	6	1	2	3	7	1	5	6
			7	40	1010·9	–	36·0	0·4	7·1	96	8·5	0	2	3	11	15	0	1	2	2	3	3	10	6	4	0	0	1	5	22	3	4	4	0	4	4	2	3	7
Suffolk	Mildenhall †† ..		13	40	1011·3	–	39·6	1·2	7·9	90	7·7	3	2	2	9	15	0	1	0	3	3	7	8	3	6	0	0	1	7	23	0	3	3	2	4	4	4	6	5
			18	40	1011·5	–	37·1	0·8	7·1	93	7·5	1	7	0	7	16	1	2	1	1	4	4	10	6	2	0	0	0	9	22	0	4	5	1	5	4	4	4	4
Cambridge	Cambridge	H	9	43	1011·7	-1·3	36·9	0·7	7·2	93	8·4	4	1	2	6	18	–	–	–	–	–	–	–	–	–	–	0	0	0	29	2	4	4	1	2	2	4	4	8
			21	43	1012·4	-0·6	37·0	0·8	7·1	93	7·2	6	4	1	0	20	–	–	–	–	–	–	–	–	–	–	0	0	1	27	3	5	4	0	3	3	6	1	6
Hertford	Rothamsted ..		9	396	1013·0	–	36·0	0·6	6·8	94	7·9	1	5	0	9	16	0	2	0	5	1	16	7	0	0	0	0	0	1	25	5	3	3	0	2	4	1	7	6
			7	12	1011·2	–	37·8	0·9	7·1	91	8·5	1	3	0	8	19	0	2	1	1	6	1	4	15	1	0	0	0	10	18	3	7	1	2	1	5	3	3	6
Essex	Shoeburyness	H	13	12	1011·6	–	40·3	1·5	7·5	86	8·1	2	2	3	10	14	0	0	1	2	1	6	15	3	3	0	0	1	11	18	1	3	3	2	2	4	4	6	6
			18	12	1011·8	–	38·8	1·2	7·2	88	8·0	1	4	2	9	15	0	1	0	2	4	4	9	8	3	0	0	1	10	19	1	7	3	1	1	7	3	5	3
4	MIDLAND COUNTIES																																			
Yorks., W. Riding	Harrogate		9	478	1012·0	–	35·7	0·8	6·5	92	8·0	2	4	0	10	15	0	2	2	4	6	11	1	4	0	1	0	0	0	28	3	10	0	0	0	5	8	3	2
Nottingham	Nottingham ..		9	215	1011·4	–	36·8	1·2	6·3	88	8·6	2	1	1	6	21	1	3	10	7	7	0	3	0	0	0	0	0	2	29	0	8	4	1	0	3	1	12	2
			7	542	1011·9	–	35·9	0·8	6·7	91	7·3	3	4	2	8	14	1	0	1	1	6	7	7	5	3	0	0	0	5	24	2	5	4	0	3	5	3	3	6
Warwick	Birmingham	H	13	542	1011·7	–	38·7	1·4	7·1	86	8·4	0	3	3	8	17	0	3	1	2	11	9	5	0	0	0	0	0	5	25	1	6	3	1	1	6	4	4	5
			18	542	1012·0	–	38·0	1·2	7·0	89	7·4	4	2	3	6	16	0	0	3	3	6	6	11	2	0	0	0	0	6	24	1	8	6	0	1	5	5	2	3
Oxford	Oxford		9	212	1012·3	-1·3	37·1	1·0	6·7	90	7·5	1	6	1	6	17	0	3	1	2	5	6	11	1	2	0	0	0	6	23	2	4	4	3	2	4	5	4	3
Shropshire	Shrewsbury	H	9	186	1012·0	–	36·3	0·8	6·7	92	8·2	0	3	5	5	18	0	1	2	1	3	1	2	1	20	0	0	1	8	12	10	4	4	0	1	8	0	3	1
			7	226	1011·5	–	36·7	1·2	6·8	89	6·9	0	9	2	7	13	0	1	2	2	2	3	9	4	8	0	0	0	4	25	2	8	3	3	1	5	6	1	2
Hereford	Ross-on-Wye	H	13	226	1011·5	–	40·8	2·0	7·2	82	7·8	0	4	5	5	17	0	1	1	1	4	3	12	4	4	1	0	0	2	28	1	5	4	2	2	3	5	5	4
			18	226	1011·9	–	38·9	1·4	7·2	87	6·8	2	7	2	6	14	0	0	2	0	4	7	11	4	3	0	0	1	4	26	0	9	4	3	1	3	7	3	1
			21	226	1012·3	–	38·1	1·3	7·0	88	7·1	4	4	0	9	14	0	0	1	2	5	7	10	2	4	0	0	0	4	24	3	6	6	1	2	3	6	2	2
Gloucester	Cheltenham	H	9	230	1012·7	–	37·6	1·3	6·8	87	7·5	1	4	4	9	13	0	0	1	4	5	9	2	10	0	0	0	0	0	28	3	5	3	0	2	3	4	4	7
			21	230	1012·7	–	38·1	1·1	7·1	88	8·7	0	1	2	9	19	0	0	0	2	5	2	11	11	0	0	0	0	0	30	1	5	3	1	0	3	4	3	11
5	ENGLAND, S.E.																																			
			9	152	1011·9	-2·1	38·5	0·9	7·4	91	9·0	0	2	0	11	18	1	1	5	0	15	4	5	0	0	0	0	0	7	20	4	6	4	2	0	4	6	4	1
London	*g* Greenwich	H	15	152	1011·5	-1·8	40·2	1·6	7·4	86	8·6	0	2	4	7	18	1	0	2	2	14	11	1	0	0	0	0	0	8	20	3	6	3	3	1	6	4	2	3
			21	152	1012·0	-2·0	38·0	1·0	7·2	91	7·8	4	1	2	4	20	1	0	1	6	1	12	10	0	0	0	0	0	10	16	5	5	7	1	1	4	6	2	0
			h.*	152	1011·6	-2·1	38·6																															
			7	34	1011·4	-2·1	38·6	1·1	7·3	89	8·7	1	1	2	10	17	0	3	0	0	0	6	13	6	3	0	0	0	8	23	0	5	6	1	2	4	4	3	6
London	Kew Obs'y.	H	13	34	1011·6	-1·8	40·8	1·7	7·5	85	8·3	1	3	1	8	18	0	4	1	1	3	16	6	0	0	0	0	0	10	21	0	3	7	1	2	6	4	3	5
			18	34	1011·8	-1·9	39·7	1·4	7·4	87	7·8	3	1	3	10	14	0	1	0	0	6	7	13	4	0	0	0	0	6	22	3	8	5	1	2	4	5	2	1
			21	34	1012·0	-2·0	38·5	1·2	7·2	89	7·6	4	2	1	8	16	1	3	1	0	4	4	10	7	1	0	0	0	8	20	3	11	1	1	2	4	7	1	1
			h.*	34	1011·7	-2·0	39·2	1·3	7·3	88																												
			9	66	1012·0	–	39·0	1·1	7·2	90	8·7	1	2	1	7	20	0	1	0	3	18	9	0	0	0	0	0	0	1	30	0	6	8	1	1	1	4	5	5
London	Kensington ..		15	—	–	–	41·2	1·9	7·3	83	8·5	0	2	3	8	18	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	5	8	1	1	2	7	2	5
			18	—	–	–	40·6	1·7	7·3	85	8·0	1	3	4	2	21	–	–	–	–	–	–	–	–	–	–	0	0	0	31	0	4	9	1	3	2	4	6	2
			1	225	1011·4	–	38·2	0·9	7·4	92	8·4	3	1	0	6	21	3	1	0	1	5	0	14	5	1	1	0	0	11	19	1	6	5	1	1	5	5	2	4
Surrey	Croydon ..	H	7	225	1011·4	–	38·0	0·8	7·4	92	8·6	1	2	1	7	20	1	1	0	4	2	3	8	10	1	1	0	0	7	24	0	4	5	2	3	4	5	4	4
			13	225	1011·7	–	40·6	1·4	7·7	88	8·4	0	4	0	12	15	1	0	2	4	9	2	13	0	0	0	0	0	9	22	0	3	5	3	3	3	5	2	7
			18	225	1011·7	–	39·4	1·2	7·5	89	8·2	1	4	0	9	17	0	2	0	3	13	8	5	0	0	0	0	0	7	22	2	5	7	1	1	7	3	5	0
Surrey	Wisley		9	85	1011·5	–	38·4	1·2	7·0	88	8·7	0	3	2	3	23	1	3	1	0	3	5	16	2	0	0	0	0	1	29	1	7	4	3	1	1	7	4	3

* Mean of hourly readings. *g* Temperature from thermometers on a Glaisher stand. † New site as from December 9th, 1936. †† New site as from 8th Sept. 1937.

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, 1937

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								
										NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION							
															FOG				MIST	POOR VIS.	MOD. VIS.	GOOD VISIBILITY												
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft	mb	mb	°F	°F	mb	%																										
5 ENGLAND, S.E.—*cont.*	7	572	1011·4	-	36·9	0·8	7·1	92	8·7	1	2	1	4	23	0	3	5	1	4	2	5	6	5	0	0	1	8	18	4	5	4	1	1	3	5	3	5
Kent Biggin Hill H	13	572	1011·6	-	38·8	1·3	7·2	88	8·4	0	4	0	11	16	0	2	3	3	10	2	7	4	0	0	0	1	9	20	1	9	4	1	2	5	4	3	2
	18	572	1011·8	-	37·8	0·9	7·2	91	8·1	2	3	3	1	22	0	2	2	4	5	10	6	2	0	0	0	0	14	16	1	5	8	0	2	6	3	5	1
	7	—	-	-	39·9	1·1	7·5	90	7·8	2	3	2	13	11	2	0	0	0	0	3	15	10	1	0	1	3	7	17	3	7	2	4	1	1	7	1	5
Kent Dungeness ..	13	—	-	-	42·0	1·4	7·9	87	7·5	1	3	4	14	9	0	0	0	2	0	4	14	11	0	0	1	2	7	20	1	6	5	2	2	1	6	3	5
	18	—	-	-	40·2	1·2	7·5	89	7·0	4	3	4	9	11	1	1	1	0	3	5	14	6	0	0	1	1	11	18	0	9	3	2	2	2	5	4	4
	1	345	1011·3	-	37·1	0·9	7·0	90	7·9	2	1	4	7	17	2	2	3	1	1	5	8	7	2	0	0	1	14	16	0	10	5	2	0	5	3	3	3
	7	345	1011·5	-	37·5	1·2	6·9	88	8·3	1	3	1	11	15	1	3	2	0	2	5	8	4	5	1	0	0	15	16	0	9	4	2	1	4	5	2	4
Kent Lympne .. H	13	345	1011·9	-	39·8	1·5	7·4	86	8·0	2	3	2	9	15	0	0	0	3	2	9	9	8	0	0	0	1	12	18	0	5	5	0	3	4	4	4	6
	18	345	1012·0	-	37·8	1·1	7·0	89	7·2	4	4	1	6	16	0	3	1	2	1	8	14	2	0	0	0	0	11	19	1	10	2	2	2	6	2	2	4
	1	141	1010·9	-	38·7	1·2	7·2	88	8·5	2	0	3	8	18	0	2	1	1	2	2	14	4	5	0	0	2	13	14	2	6	4	2	1	3	6	5	2
Kent Manston	7	141	1010·9	-	38·7	1·2	7·2	88	8·9	1	0	1	15	14	0	2	2	1	2	2	8	9	5	0	0	0	15	13	3	5	4	1	1	4	5	3	5
	13	141	1011·3	-	40·6	1·7	7·5	85	8·3	1	1	3	15	11	0	1	0	1	2	4	12	9	2	0	0	1	15	14	1	2	5	1	2	6	2	5	7
	18	141	1011·5	-	39·4	1·4	7·3	87	8·3	0	3	2	11	15	0	0	1	1	3	9	13	4	0	0	0	1	17	11	2	6	4	1	3	3	5	4	3
Kent Tunbridge Wells ..	9	407	1012·3	-	37·5	0·6	7·1	94	7·9	2	2	2	10	15	0	0	0	1	8	15	3	4	0	0	0	0	4	27	0	1	9	0	2	2	6	4	7
Sussex Brighton .. H	9	48	1012·2	-	39·9	1·4	7·5	87	8·3	0	4	2	8	17	0	0	1	2	9	12	6	0	1	0	1	0	3	27	0	4	9	0	2	1	4	3	8
Sussex Hastings .. H	9	154	1012·0	-	39·5	1·3	7·5	89	7·5	2	4	4	8	13	0	0	1	1	3	11	7	4	4	0	1	0	5	25	0	7	7	2	1	2	4	2	6
	21	154	1012·0	-	39·3	1·1	7·5	90	6·5	6	4	1	9	11	0	0	2	2	5	5	12	5	0	0	0	1	6	24	0	7	8	0	3	2	4	2	5
	7	15	1011·6	-	39·1	1·0	7·4	91	7·8	1	5	1	8	16	0	0	0	0	0	0	13	8	10	0	0	2	9	18	2	7	2	1	2	4	3	4	6
Hampshire Calshot	13	15	1011·9	-	42·0	1·6	7·8	86	7·7	0	5	4	7	15	0	0	0	1	3	2	18	3	4	0	0	0	12	16	3	3	6	1	2	3	3	3	7
	18	15	1011·8	-	40·7	1·2	7·7	89	7·3	1	5	5	8	12	0	0	0	2	1	3	9	9	7	0	0	3	8	19	1	5	6	1	4	3	4	3	4
Hampshire Southampton ..	9	84	1012·1	-2·1	39·4	1·3	7·2	88	8·4	2	0	5	3	21	1	1	2	4	12	4	3	4	0	0	0	1	7	22	1	2	13	0	3	0	5	1	6
	21	84	1011·9	-2·3	40·2	1·4	7·4	87	8·6	2	1	3	1	24	0	0	1	8	20	0	0	2	0	0	0	2	4	23	2	0	15	0	2	0	5	2	5
Hampshire S. Farnborough† H	7	231	1011·4	-	37·6	0·9	7·2	91	8·7	1	2	1	6	21	0	1	1	0	2	15	10	2	0	0	0	0	6	24	1	5	4	4	2	4	2	5	4
	13	231	1011·7	-	40·9	1·7	7·5	85	8·4	0	3	3	7	18	0	0	1	1	1	7	14	4	3	0	0	0	5	26	0	4	6	3	1	4	5	4	4
	18	231	1011·7	-	38·5	1·0	7·3	91	7·6	1	3	5	6	16	1	0	0	4	7	9	8	2	0	0	0	0	3	26	2	6	6	1	1	5	4	4	2
I. of Wight Ventnor (Hosp.)	9	80	1011·9	-	40·9	1·6	7·5	86	7·5	0	6	3	9	13	-	-	-	-	-	-	-	-	-	-	0	1	5	25	0	5	4	4	2	1	4	6	5
	15	80	1011·1	-	42·7	2·1	7·7	82	7·7	0	7	0	10	14	-	-	-	-	-	-	-	-	-	-	0	0	7	24	0	6	3	6	1	0	4	6	5
Wiltshire Amesbury H	7	420	1011·6	-	36·0	0·6	7·0	93	7·2	3	4	3	8	13	0	0	2	2	2	1	11	12	1	0	0	2	6	21	2	9	2	4	2	4	2	2	4
(Boscombe Down)	13	420	1011·8	-	40·0	1·4	7·5	87	7·7	0	5	6	4	16	0	0	0	1	2	6	13	6	3	0	0	0	13	17	1	8	5	2	4	3	2	3	3
	18	420	1011·8	-	38·8	0·9	7·5	91	8·3	2	1	3	4	21	0	0	0	2	4	5	12	8	0	0	0	0	13	18	0	6	7	2	3	4	3	5	1
Wiltshire Larkhill .. H	9	444	1012·4	-	36·2	0·7	6·9	92	7·9	0	4	4	9	14	0	3	4	0	2	2	6	8	6	0	0	0	9	19	3	5	5	5	1	0	5	6	1
	13	444	1012·0	-	40·0	1·4	7·5	87	8·0	0	4	4	8	15	0	0	1	0	2	4	9	9	6	0	0	0	12	16	3	4	5	3	2	4	3	4	3
	15	444	1012·0	-	39·9	1·4	7·5	87	8·0	0	5	2	9	15	0	1	0	1	2	3	10	11	3	0	0	0	12	15	4	5	4	2	2	7	1	3	3
7a ENGLAND, N.W.																																					
Lancashire Hutton	9	86	1012·4	-	36·6	0·9	6·7	90	7·2	0	3	4	22	2	-	-	-	-	-	-	-	-	-	-	0	0	1	6	24	1	1	0	2	1	1	0	1
	7	83	1011·7	-	36·0	0·8	6·7	91	7·9	0	5	3	5	18	1	2	3	2	4	4	8	7	0	0	0	0	7	20	4	4	5	0	6	5	1	0	6
Lancashire Manchester H	13	83	1011·7	-	39·8	1·8	7·2	84	7·4	1	6	3	8	13	2	0	2	4	8	6	6	3	0	0	0	0	8	20	3	4	7	1	3	6	3	2	2
(Barton)	18	83	1011·9	-	37·6	1·1	7·1	90	6·5	5	6	1	5	14	0	2	1	4	6	13	5	0	0	0	0	0	4	26	1	6	6	2	3	6	2	1	4
Lancashire Manchester	9	127	1012·2	-	38·2	1·5	6·7	85	7·5	2	2	6	7	14	-	-	-	-	-	-	-	-	-	-	0	0	0	31	0	3	3	4	10	7	1	0	3
(Whitworth Pk.)	21	127	1012·3	-	38·3	1·4	6·8	86	7·7	3	0	5	9	14	-	-	-	-	-	-	-	-	-	-	0	0	1	29	1	4	3	6	4	4	3	4	2
Lancashire Southport* H	9	37	1011·9	+0·6	37·3	1·1	6·9	89	7·2	0	8	2	7	14	0	0	3	1	9	9	2	5	2	0	0	1	7	21	2	6	3	3	8	5	1	0	3
(Bedford Rd. Park)	15	37	1011·4	-	40·3	1·7	7·4	85	7·6	0	4	3	13	11	0	0	1	2	6	9	2	6	4	1	0	0	11	19	1	7	5	4	5	4	2	1	2
	21	37	1012·3	+0·9	37·9	1·2	6·9	88	6·5	4	5	3	8	11	0	0	0	3	9	9	4	5	1	0	0	1	4	25	1	7	6	3	5	4	1	3	1
Lancashire Stonyhurst ..	9	381	1012·4	-	36·8	1·1	6·6	89	6·9	2	6	2	9	12	0	1	1	4	1	5	16	3	0	0	0	0	4	26	1	6	8	2	1	3	6	2	2
	21	381	1012·7	-	36·5	1·3	6·3	87	7·8	3	1	4	7	16	0	2	0	2	2	2	12	11	0	0	0	0	4	27	0	8	8	1	1	1	4	4	4
Cheshire Bidston Obs'y. ..	9	202	1012·1	-	38·3	1·4	6·8	86	7·8	0	4	3	11	13	0	1	2	5	6	5	4	3	5	0	0	1	10	18	2	8	2	3	5	8	1	0	2
7b NORTH WALES.																																					
Flint Sealand .. H	7	19	1011·8	-	37·0	1·1	6·8	89	7·1	2	4	4	8	13	0	2	1	4	4	8	5	7	0	0	0	1	8	19	3	4	2	0	10	3	0	3	6
	13	19	1011·8	-	40·4	1·5	7·3	84	7·9	2	1	5	8	15	1	0	2	3	6	4	11	3	1	0	0	0	11	17	3	7	0	0	8	3	2	3	5
	18	19	1012·1	-	38·5	1·4	7·0	87	6·8	5	1	6	6	13	0	2	0	3	11	8	4	3	0	0	0	0	3	26	2	7	1	1	9	2	1	2	6
Anglesey Holyhead .. H	1	29	1011·0	-	42·9	1·9	8·0	84	6·9	3	7	4	7	10	0	0	0	0	1	1	6	8	15	0	0	5	9	16	1	6	3	4	3	6	2	4	2
	7	29	1010·9	+0·8	42·6	1·8	8·0	85	7·6	1	4	4	11	11	0	0	0	0	0	2	2	9	16	2	0	6	9	14	2	2	6	4	2	6	3	2	4
	13	29	1011·0	-	44·1	1·9	8·4	84	8·2	0	2	4	13	12	0	0	0	0	1	0	4	8	16	2	0	9	14	7	1	6	5	3	2	7	2	3	2
	18	29	1011·4	-	43·5	2·0	8·1	83	7·1	0	6	6	8	11	0	0	0	0	0	2	7	6	16	0	1	3	15	12	0	5	8	4	3	4	1	4	2
Carnarvon Llandudno ..	9	33	1012·0	-	41·1	1·9	7·3	83	6·9	1	4	6	17	3	0	0	0	0	1	0	3	14	13	0	0	0	2	29	0	4	6	5	2	3	6	4	1
8a SOUTH WALES.																																					
Cardigan Ciliau Aeron ..	9	256	1012·5	-	38·4	1·2	7·0	89	7·4	1	4	5	8	13	0	0	0	0	6	6	19	0	0	0	0	0	12	19	0	2	7	6	4	2	4	0	6
	1	152	1011·4	-	42·7	1·7	8·0	85	6·5	0	9	4	10	8	1	0	0	2	0	3	2	8	15	0	3	1	10	16	1	6	5	5	2	3	2	4	3
Pembroke St. Ann's Head ..	7	152	1011·4	+0·3	42·8	2·0	7·8	83	7·1	0	6	12	8	5	0	1	0	1	0	2	3	10	14	0	2	5	6	18	0	3	8	2	3	1	5	4	5
	13	152	1011·7	-	44·7	2·1	8·4	83	8·1	0	1	7	13	10	0	1	0	1	1	2	6	9	11	0	2	5	9	14	1	0	9	3	2	3	5	3	5
	18	152	1011·7	-	43·6	1·9	8·1	84	7·6	0	2	5	14	10	0	1	0	1	1	0	6	6	16	0	3	4	7	17	0	4	6	6	4	1	2	5	3

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside. † New site as from May 28, 1937.

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, 1937

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT: Mean Amount	NO. OF OBSERVATIONS: 0	1 to 3	4 to 6	7 to 9	10	VISIBILITY: NUMBER OF OBSERVATIONS: FOG: 0	1	2	3	MIST: 4	POOR Vis. 5	MOD. Vis. 6	GOOD VISIBILITY: 7	8	9	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): 8 or more	6 to 7	4 to 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft	mb	mb	°F	°F	mb	%																													
8a SOUTH WALES—*cont.*																																					
Radnor Llandrindod Wells	9	725	1011·7	-	36·6	0·9	6·7	91	8·3	0	0	6	12	13	0	1	0	1	1	1	12	13	2	0	0	0	6	25	0	2	5	1	6	1	4	4	8
Rhayader	9	—	-	-	36·1	0·7	6·7	92	8·5	0	1	5	6	19	0	1	0	2	4	3	8	8	5	0	0	0	2	29	0	7	5	2	3	0	5	1	5
Glamorgan Cardiff	9	203	1012·7	-	38·4	1·2	7·0	89	6·9	4	3	5	6	13	0	0	1	0	6	4	15	4	1	0	0	0	0	31	0	3	10	3	0	1	6	7	2
	21	203	1012·9	-	39·2	1·4	7·0	87	5·7	11	1	1	5	13	0	0	0	1	0	3	20	0	7	0	0	0	3	28	0	0	1	13	3	1	5	8	0
8b ENGLAND, S.W.																																					
Somerset Bath	9	113	1012·2	-	38·2	1·3	6·8	88	7·4	2	6	0	9	14	0	0	1	3	6	6	14	1	0	0	0	0	1	27	3	6	5	4	0	1	3	5	4
Dorset Holton Heath H	9	58	1012·1	-	38·7	1·2	7·4	88	7·4	2	3	4	8	14	0	0	0	4	2	3	5	15	1	1	0	0	6	16	9	3	5	5	2	1	1	3	2
	15	58	1013·3	-	42·0	1·5	7·8	86	7·8	0	5	4	3	19	0	0	0	1	3	7	7	13	0	0	0	1	6	17	7	3	5	4	4	0	1	5	2
Dorset Portland Bill ..	1	37	1010·6	-	42·5	1·1	8·4	91	7·6	3	3	2	7	16	0	0	2	0	0	0	7	14	8	0	0	2	10	19	0	7	6	4	0	2	7	2	3
	7	37	1010·9	-1·6	41·9	1·5	7·8	87	8·0	0	3	6	6	16	0	0	1	0	0	0	6	15	9	0	0	2	9	20	0	8	6	2	1	2	4	3	5
	13	37	1011·7	-	43·9	1·9	8·2	84	8·8	1	1	1	9	19	0	0	0	1	0	0	4	17	9	0	0	1	15	15	0	4	7	2	1	2	6	3	6
	18	37	1011·0	-	43·1	1·6	8·2	87	8·4	1	1	3	9	17	0	0	1	0	0	0	5	21	4	0	0	3	8	20	0	5	6	5	1	0	4	4	6
Devon Moretonhampstead	9	801	1012·6	-	37·6	1·0	7·1	90	7·3	0	7	3	12	9	0	1	0	0	0	1	8	6	15	0	0	0	8	18	5	4	3	1	2	2	4	4	6
	15	801	1011·8	-	40·4	1·6	7·5	86	8·6	0	1	3	11	16	0	0	0	0	1	2	7	8	13	0	0	1	7	21	2	4	3	1	2	2	4	3	10
Devon Plymouth H	7	27	1011·8	-	41·3	1·6	7·8	86	6·3	3	6	5	9	8	0	0	0	1	0	1	7	10	12	0	0	0	7	19	5	7	4	4	1	2	1	4	3
(Mount Batten) ..	13	27	1012·1	-	44·9	2·9	8·0	76	7·6	0	5	2	17	7	0	0	0	0	3	1	8	5	14	0	0	1	12	16	2	6	6	1	1	1	4	5	5
	18	27	1012·0	-	43·7	2·6	8·1	83	7·1	2	6	3	6	14	0	0	0	0	0	4	22	5	0	0	1	0	9	21	0	8	6	1	1	2	6	3	6
	1	240	1011·3	-	43·9	1·6	8·5	86	7·3	2	1	6	5	17	0	1	1	1	0	0	3	7	18	0	0	5	19	7	0	7	4	3	1	1	3	3	6
Cornwall The Lizard ..	7	240	1011·7	-	43·2	1·8	8·1	85	7·5	0	4	8	6	13	0	1	2	0	0	0	0	12	16	0	0	4	16	8	3	6	3	2	1	2	3	4	6
	13	240	1012·3	-	45·6	2·6	8·3	79	7·8	0	1	8	11	11	0	0	0	0	0	2	1	8	20	0	0	6	13	11	1	7	2	1	1	2	6	5	6
	18	240	1012·0	-	43·9	1·9	8·2	84	7·9	0	4	3	11	13	0	0	0	0	0	1	3	6	21	0	1	3	17	10	0	5	5	2	1	3	6	1	8
Cornwall Newquay ..	9	185	1012·0	-	42·9	1·9	7·9	83	7·7	1	4	3	8	15	0	0	1	0	0	1	2	13	11	3	0	4	7	20	0	4	6	5	5	6	2	0	3
9 IRELAND, N.																																					
Sligo Markree Castle ..	9	127	1011·8	-	38·1	0·9	7·1	91	6·9	2	2	11	4	12	0	1	1	2	1	0	7	6	13	0	0	0	4	17	10	7	1	0	1	7	2	2	1
	21	127	1011·6	-	38·4	0·9	7·2	91	7·7	2	3	2	8	16	0	3	2	0	0	0	12	7	7	0	0	0	2	21	8	6	0	3	1	9	2	1	1
	1	28	1011·5	-	43·3	1·9	8·0	83	7·6	1	1	9	8	12	0	0	0	0	0	0	2	12	17	0	2	5	9	9	6	6	0	4	1	10	0	2	4
Mayo Blacksod Point ..	7	28	1011·3	-	43·3	2·2	7·8	82	7·3	1	1	14	4	11	0	0	0	0	0	0	0	10	21	0	1	5	8	14	3	4	0	5	5	6	1	3	5
	13	28	1011·9	-	44·4	2·5	7·9	80	7·6	1	1	8	10	11	0	0	0	0	0	0	0	9	21	1	1	4	9	14	3	5	0	5	3	5	3	5	4
	18	28	1012·1	-	43·3	2·2	7·8	81	6·9	1	6	6	6	12	0	0	0	0	0	0	0	14	17	0	0	9	6	15	1	6	0	6	0	1	5	0	8	4
	1	87	1010·7	-	41·7	0·9	8·2	96	6·4	1	2	13	12	3	0	0	0	0	0	0	3	26	2	0	0	4	12	15	0	5	4	0	1	18	1	1	1
Donegal Malin Head ..	7	87	1010·8	+4·8	42·4	1·1	8·3	91	6·4	0	6	8	14	3	0	0	0	0	0	0	3	24	3	0	0	4	12	15	0	7	2	2	1	12	4	0	3
	13	87	1010·2	-	43·4	1·0	8·8	92	8·2	0	1	2	26	2	0	0	0	0	0	0	2	25	4	0	0	2	13	16	0	7	2	4	2	9	3	3	1
	18	87	1011·2	-	42·4	1·0	8·4	91	7·6	0	2	6	17	6	0	0	0	0	1	0	5	21	5	0	0	3	12	16	0	8	1	2	3	12	0	4	1
	7	245	1011·6	-	36·6	0·9	6·9	91	7·1	2	5	4	5	15	0	2	0	2	1	0	7	14	5	0	0	0	7	19	5	5	4	2	4	6	1	2	2
Antrim Aldergrove H	13	245	1011·8	-	40·7	1·7	7·5	85	7·9	0	4	2	12	13	0	2	0	0	1	0	9	8	9	2	0	0	10	18	3	6	4	2	2	6	5	3	2
	18	245	1012·3	-	38·5	1·3	7·1	88	7·4	2	5	2	6	16	0	0	0	0	2	3	9	11	5	1	0	0	8	19	4	7	3	3	5	5	2	1	1
Armagh Armagh .. H	9	209	1011·9	+2·6	36·8	1·1	6·8	88	7·0	2	4	3	11	11	0	0	2	1	2	3	6	12	5	0	0	1	5	22	3	3	2	3	3	6	9	1	1
	21	209	1012·1	+2·8	37·0	1·0	6·9	90	7·2	5	2	3	3	18	0	0	0	1	0	9	18	2	1	0	0	2	2	25	2	3	2	2	2	8	7	2	3
10 IRELAND, S.																																					
Dublin Glasnevin ..	9	56	1012·0	-	38·5	1·5	6·8	86	7·7	0	0	12	9	10	0	1	4	2	9	5	4	4	2	0	0	0	2	27	2	1	3	1	2	0	4	2	16
	21	56	1012·2	-	39·1	1·4	7·0	87	6·3	8	0	5	3	15	0	1	0	3	6	5	8	3	5	0	0	0	2	25	4	0	5	0	1	0	5	5	11
Offlay Birr Castle ..	7	193	1011·6	+1·9	37·1	0·4	7·2	98	6·5	5	7	0	6	13	0	0	0	3	0	0	0	13	15	0	0	0	1	28	2	3	1	0	1	11	2	0	11
	13	193	1012·3	-	41·1	1·2	7·8	89	8·0	1	3	3	10	14	0	0	0	1	0	0	0	11	19	0	0	0	1	30	0	5	2	0	3	8	5	1	7
	18	193	1012·0	-	38·7	0·7	7·4	93	6·8	3	7	1	9	11	0	0	0	2	0	0	0	12	17	0	0	0	2	29	0	4	3	0	3	9	4	1	7
Waterford Seskin, Carrick-on-Suir	9	521	1012·8	-	37·9	0·5	7·4	95	7·4	2	0	11	2	16	0	1	1	0	1	0	5	5	11	7	0	6	12	9	4	1	3	1	1	3	4	7	7
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	45	1012·6	+2·4	44·1	2·4	7·9	81	7·4	1	4	3	13	10	0	0	0	0	0	0	0	3	8	20	0	0	4	15	10	2	4	6	4	5	3	4	0	3
Kerry Valentia H	13	45	1012·8	+2·1	45·5	2·3	8·5	81	7·8	1	4	2	15	9	0	0	0	0	0	0	0	3	2	24	2	0	2	17	10	2	2	6	3	2	3	2	3
Observatory	18	45	1013·1	+2·3	44·1	2·2	8·0	81	6·8	1	8	2	11	9	0	0	0	0	0	0	0	1	6	23	1	0	4	11	14	2	5	5	3	2	6	2	0	4
	21	45	1013·6	+2·6	43·5	2·1	7·9	81	6·3	1	9	5	8	8	0	0	0	0	0	0	4	8	19	0	0	3	15	7	6	4	5	3	2	3	3	0	5
	h.*	45	1013·0	+2·3	44·2	2·3	8·1	81																													
	7	24	1012·4	+1·4	41·7	1·2	8·0	89	5·9	4	7	5	8	7	0	0	0	0	1	1	1	3	25	0	0	0	2	10	19	0	8	5	2	2	2	2	4	6
Cork Roche's Point ..	13	24	1012·7	-	44·5	1·7	8·6	86	7·0	0	3	11	12	5	0	0	0	0	1	1	0	5	18	6	1	4	7	19	0	8	5	2	2	3	3	5	3
	18	24	1012·7	-	42·9	1·3	8·4	89	6·5	2	5	7	10	7	0	0	0	1	0	1	1	7	20	1	0	4	12	15	0	7	6	2	3	3	2	4	4
11 CHANNEL I. & SCILLY.																																					
	1	199	1011·7	-	45·5	2·1	8·6	83	7·3	0	6	4	7	14	0	0	1	1	1	1	2	8	17	0	1	7	14	8	1	7	5	2	1	3	4	3	5
Scilly St. Mary's..	7	199	1012·1	0·0	45·3	2·1	8·6	83	6·9	0	7	6	8	10	0	0	0	2	0	0	0	12	16	1	0	7	15	9	0	8	5	2	1	3	4	5	3
	13	199	1012·5	-	46·6	2·7	8·5	79	8·0	0	1	5	19	6	0	0	0	0	0	1	1	15	13	1	0	11	10	10	0	6	4	3	2	3	5	3	5
	18	199	1012·2	-	45·4	2·1	8·6	83	7·7	0	4	6	7	14	0	0	0	2	0	0	2	12	15	0	0	9	14	8	0	7	6	1	1	6	3	3	4
	1	186	1011·4	-	44·4	1·8	8·6	85	8·1	0	0	7	7	17	0	1	0	1	0	2	0	9	14	3	2	0	4	12	15	0	7	4	0	2	4	6	2	6
Guernsey St. Peter Port H	7	186	1011·6	-	44·0	1·6	8·6	86	9·1	0	0	2	12	17	0	0	0	1	0	2	0	12	4	3	0	0	4	9	16	2	3	4	2	1	4	5	7
	13	186	1012·0	-	45·8	2·5	8·6	80	8·8	0	0	4	12	15	0	0	0	1	2	0	4	14	5	5	0	2	15	14	0	2	5	3	4	5	7	7	7
	18	186	1012·0	-	44·5	1·7	8·6	85	8·4	0	2	4	10	15	0	0	0	0	1	0	18	8	3	1	0	1	12	17	1	4	4	1	1	3	4	5	8
	7	400	1018·7	-1·4	52·2	3·4	10·4	77	5·5	3	8	5	13	2	0	0	0	0	0	0	2	3	10	16	0	2	9	20	0	1	2	5	0	0	1	7	15
GIBRALTAR .. .. H	13	400	1018·2	-	57·0	5·0	11·1	69	5·4	1	12	2	15	1	0	0	0	0	0	0	0	1	7	23	0	3	12	16	0	0	5	6	0	0	2	13	5
	18	400	1018·0	-	55·8	4·0	11·4	75	5·5	1	11	4	11	4	0	0	0	0	0	0	1	3	8	19	0	4	13	12	2	0	3	4	0	0	2	12	8
	21	400	1018·5	-	54·3	3·2	11·5	79	4·9	6	7	4	10	4	0	0	0	0	0	0	0	3	9	19	0	2	9	18	2	1	3	3	0	0	0	10	12
	7	234	1014·2	-2·9	54·6	4·2	10·8	73	7·2	0	4	6	19	2	0	0	0	0	0	0	1	4	25	1	0	3	7	21	0	0	1	0	0	8	10	7	5
MALTA .. .. H	13	234	1013·5	-	58·7	6·4	10·7	63	7·1	1	3	5	20	2	0	0	0	0	0	0	0	2	22	7	0	5	17	9	0	2	1	1	0	5	9	6	7
	18	234	1013·9	-	55·7	4·7	10·7	71	6·5	1	5	7	15	3	0	0	0	0	0	0	1	6	23	1	0	4	11	16	0	1	1	1	2	4	9	10	3

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

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

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit ·01 inch or 0·2 mm., and also with reference to the limit ·04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

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

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

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 ,, ,, 1¼ miles.
5	,, 1¼ 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), 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 1935, 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.

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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY FOR THE YEAR 1937, INCLUDING MONTHLY AND ANNUAL TABLES OF WIND BASED UPON THE RECORDS OF AUTOGRAPHIC INSTRUMENTS.
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SUMMARY FOR THE YEAR 1937

Climatological Section

Wind Section

1937. DULL; DRY IN SCOTLAND; WET IN ENGLAND AND WALES; CONSIDERABLE SNOW

The year 1937 was distinguished by a deficiency of sunshine, particularly in parts of Ireland and eastern England. It was wet on the whole in England and dry in Scotland. Among notable features of the weather of the year were the exceptional rainfall experienced in England and Wales during the run of five consecutive wet months, January to May, the heavy snowstorms of February 27th—28th and March 11th—13th, the severe floods in the Fenlands around the middle of March, the coldness of March, the marked deficiency of sunshine in April and July, the deficiency of rainfall in England and Wales during the six successive dry months June to November, the occasional severe thunderstorms during the summer months, the frequent and sometimes thick fog in November and December and the considerable frost and snow of the period December 5th—20th.

JANUARY was mild and excessively wet, with frequent gales in the west and north. The Orkneys and Shetlands experienced one of the stormiest months on record. Sunshine was deficient on the whole, particularly in the south-west of England. *February* was distinguished by unusually excessive rainfall; more than twice the average occurred over England and Wales as a whole and it was only in parts of the north-west of Scotland that less than the average was received. A notable snowstorm was experienced on the 27th–28th; it was accompanied by a northerly gale which caused deep drifts. Mean temperature was below the average in Scotland but substantially exceeded the average in southern England. MARCH was notably cold, with frequent falls of sleet and snow. Severe snowstorms occurred in Scotland, northern districts of England and in Northern Ireland between the 11th and 13th, and serious flooding caused extensive damage in the Fenlands, the peak condition of the flooding occurring about the 17th. Less than the average rainfall occurred over the west and north of Scotland, north-west England and most of Wales and over the north-western half of Ireland. On the other hand, rainfall was markedly excessive in south and east Ireland and over most of England. Sunshine was slightly below average on the whole but a large excess was registered locally in the extreme north and west of Scotland and in north-west Ireland. The weather of APRIL was remarkable for an exceptional deficiency of sunshine; at numerous stations it was the dullest April on record. Rainfall exceeded the average on the whole over England and Wales and Ireland, but a large deficiency occurred over the northern half of Scotland. Mean temperature exceeded the average generally. Broadly speaking, MAY was moderately dry and sunny in most parts of Scotland, Ireland, Wales and north-west England; in east and south-east England, however, it was dull and wet. Temperature was above the average generally; a warm spell occurred during the last 8 or 9 days. JUNE was dry on the whole in England and Wales, Ireland and eastern Scotland and wet in western and northern Scotland. Sunshine was somewhat variable but deficient generally, the deficiency being marked in Ireland. Thunderstorms occurred frequently in England between the 10th and 22nd. Mean temperature slightly exceeded the average.

JULY was characterised by a general deficiency of sunshine. Fog developed frequently on the south-west coasts and exceptionally heavy rainfall occurred during thunderstorms at numerous places in England on the 15th. Rainfall exceeded the average on the whole in Scotland and Ireland and was variable, but deficient for the country generally in England. AUGUST was warm, sunny in most districts and dry on the whole but rainfall was variable owing to heavy local falls during occasional thunderstorms. In England and Wales the month was notably dry in many places, absolute droughts occurring during the end of July and beginning of August and again in the latter half of August. A marked excess of sunshine was registered at some stations in the west; for example, the percentage of the average was 139 at Whitworth Park, Manchester, 137 at Ilfracombe, 136 at Ruthwell and 135 at Stonyhurst and Swansea. The warmest spell of the year occurred in many districts during the early part of August; 92° F. was recorded at Canterbury and Tunbridge Wells on the 7th. The weather of SEPTEMBER was variable; rainfall exceeded the average over most of Ireland, and over fairly large areas in western Scotland and southern England and the Midlands, but in eastern and south-western Scotland and in most of northern England there was a deficiency. Sunshine was deficient in Ireland and a considerable excess was registered on the east coast of Scotland; elsewhere it was somewhat variable. Warm spells were enjoyed at the beginning and towards the end of the month, but it was mainly cool from about the 9th–21st. OCTOBER was dry and dull on the whole. Mean temperature was below the average in Ireland and somewhat exceeded the average for the most part elsewhere. The period 2nd–20th was unusually dry in many parts; subsequently the weather became generally unsettled and rain fell frequently. NOVEMBER was dry, with considerable fog. The deficiency of rainfall was most striking in Scotland and the extreme north of England. Many widely separated stations in Scotland reported that it was the driest November on record. It was cold at times between the 10th and 28th. Sunshine was unusually variable, but considering the country as a whole, it differed little from the average. DECEMBER was cold, with considerable snow and frost during the period 5th–20th. Rainfall was excessive in the eastern and south-eastern districts of Great Britain and deficient on the whole elsewhere. There was a good deal of fog and sunshine was variable, the percentages of the average for the districts ranging from 64 in England, E. to 138 in Scotland, W.

Pressure and Wind—Mean pressure for the year was below the average except in the Shetland Islands, the deviation at 7h. varying from +0·7 mb. at Lerwick to −2·9 mb. at St. Ann's Head. The deficiency was largely due to the low mean pressure experienced in January and February and in southern districts in March also. The mean annual pressure gradient was less steep than in an average year and the majority of the anemograph stations registered considerably fewer hours than the average with a mean hourly velocity of more than 38 m.p.h.

Mean pressure in JANUARY was substantially below the average particularly in the western half of the country, the deficiency at 7 h. varying from 14·3 mb. at Valentia Observatory to 3·6 mb. at Lerwick. The prevailing winds were from between south and west and gales occurred frequently at exposed stations in the west and north. The Orkneys and Shetlands experienced one of the stormiest months on record; at Lerwick, gales occurred on each of the days from the 15th–26th inclusive. In FEBRUARY mean pressure was unusually low over the country generally, the deviation from the average at 7h. varying from −14·4 mb. at Tynemouth to −9·4 mb. at St. Ann's Head. At Oxford the mean pressure at 9h. was, with the exception of February, 1900, the lowest for February since records were first taken in 1881. Winds from some westerly point predominated. The most widespread gale was that of the 27th–28th. Mean pressure in MARCH was below the average except in the Shetland Islands. The deviation from the average at 7h. ranged from +0·9 mb. at Lerwick to −10·7 mb. at the ScillyIsles, the normal distribution of pressure being approximately reversed; winds from some northerly or easterly point frequently prevailed. In APRIL mean pressure was generally below the average, by amounts ranging up to about 4 mb., except in the Shetlands where the mean value was slightly above the average. A gust of 87 m.p.h. was registered at Pendennis Castle on the 20th. Mean pressure in MAY differed only slightly from the average, the deviation at 7h. ranging from −0·9 mb. at Gorleston to +2·2 mb. at Lerwick. In JUNE mean pressure was slightly below the average in northern Scotland and somewhat exceeded the average in Ireland and most of England. The deviation at 7h. ranged from −2·6 mb. at Lerwick to +3·1 mb. at Valentia; the pressure gradient was thus appreciably increased.

Mean pressure in JULY was not very different from the average; at 7h. it was somewhat below the average except in the south and at Lerwick, in the Shetland Islands, the deviation ranging from −1·1 mb. at Wick to +1·3 mb. at the Scilly Isles. In AUGUST mean pressure exceeded the average throughout the British Isles, the excess at 7h. varying from 6·9 mb. at Lerwick to 3·2 mb. at Kew Observatory. In consequence, the pressure gradient was less steep than usual and the month was rather quiet on the whole; at Southport, the mean daily run of the wind was less than in any other August (apart from August 1932) since the anemograph station was established in 1898. In SEPTEMBER mean pressure was below the average throughout the country, the deficiency at 7h. varying from 2·4 mb. at the Scilly Isles to 6·7 mb. at Wick. Gales occurred somewhat frequently in the north of Scotland. Mean pressure in OCTOBER somewhat exceeded the average generally, the deviation at 7h. ranging from +1·1 mb. at Kew Observatory to +4·1 mb. atStornoway. The great range of pressure was very striking; at Kew Observatory the range was 64·5 mb. a value which has not been equalled in October since at least before 1869. On the 23rd, gusts of 82 m.p.h. and 80 m.p.h. were registered at Scilly and the Lizard respectively. In NOVEMBER mean pressure exceeded the average throughout the country, the excess being greatest in the north and least in the south-west; the deviation from the average at 7h. ranged from +8·4 mb. at Stornoway to +0·9 mb. at the Scilly Isles. As a result the map of mean pressure was quite different from the average, the lowest pressure being found off the south-west coasts while a large closed area of high pressure extended from north-north-west to south-south-east across Great Britain. The month was a quiet one over a large part of the country; at Southport, it was the calmest November since the Marshside Anemometer Station was established 40 years ago. Gales occurred at times chiefly in the west and north. In DECEMBER mean pressure exceeded the average for the most part except in the south-east of the British Isles where it was somewhat deficient; the deviation from the average at 7h. ranged from −2·1 mb. at Kew Observatory to +10·1 mb. at Lerwick. In consequence the mean pressure over the country was very uniform. Winds from between north-west and north-east were somewhat prevalent. Gales occurred on a number of occasions but were not generally severe.

Noteworthy Gales.—Although gales were unusually frequent in January and it is reported that the Orkneys and Shetlands experienced one of the stormiest months on record (at Lerwick gales occurred on each of the days from the 15th–26th inclusive) few exceptional wind speeds were recorded. The highest speed recorded in gusts was 83 m.p.h. at Holyhead on the 17th, at the Lizard on the 20th and at Lerwick on the 25th. During a widespread northerly gale on February 27th–28th, a mean hourly velocity of 64 m.p.h. and a gust of 107 m.p.h. were registered at Holyhead in the early hours of the 28th; the latter is the highest speed in a gust on record at Holyhead. In the same gale a gust of 81 m.p.h. was registered at South Shields. In a severe gale for the season in south-west England on April 20th mean hourly velocities of 55 m.p.h. and 54 m.p.h. were registered respectively at the Lizard and Pendennis Castle, while a gust of 87 m.p.h. was recorded at Pendennis Castle and one of 78 m.p.h. at the Lizard. In a widespread gale in England and Wales on October 23rd gusts of 82 m.p.h. and 80 m.p.h. were registered at St. Mary's, Scilly and the Lizard respectively.

Temperature.—Mean temperature for the year very slightly exceeded the average on the whole, the excess for districts 1–10 being 0·2° F. Marked deviations from the average occurred at certain periods; March was unusually cold as was also the period December 5th–20th. On the other hand, April was mild and August warm; February was mild in southern England and May in Scotland. A warm spell occurred generally in the last eight or nine days of May and the highest temperature of the year was widely recorded in the early part of August.

In JANUARY mean temperature exceeded the average generally, the deviation for districts 1–10 being +1·3° F.; the excess was greatest, 2·5° F., in England S.E. The coldest period occurred on the whole from the 26th–30th and was accompanied by winds from some easterly point. Temperature rose to 58° F. at Cork, on the 3rd, at Aber and Llandudno on the 21st, at Rhyl on the 22nd and at Wisley on the 24th and to 59° F. at Glenbranter on the 22nd. Mean temperature in FEBRUARY was somewhat below the average in Scotland and above the average on the whole in England and Ireland. In some parts of the southern half of England the excess was considerable; it exceeded 4° F. at some individual stations in south-east England. MARCH was notably cold, the deviation from the average for districts 1–10 being −3·7° F. The month was especially cold in Scotland and Ireland; over Scotland as a whole it was the coldest March since 1919. The lowest temperature reported in the British Isles was 0° F. at Braemar on the 8th but readings of 20° F. or below occurred at numerous stations in Great Britain. Ground frosts were reported on 29 days at West Linton and on 28 days at Dalwhinnie, Ardtornish, Dungavel, Doncaster and Meltham. In APRIL mean temperature substantially exceeded the average, the excess for districts 1–10 being 2·4° F. An unusual feature was the occurrence of the highest readings in Scotland, where the temperature reached 70° F. or 71° F. at several stations on the 30th. Mean temperature in MAY exceeded the average in all districts, the excess ranging from 1·0° F. in England, E. to 2·3° F. in Scotland, N. The mean maximum temperature at Renfrew, 61·1° F., was the highest at that station in May since before 1921. A warm spell occurred during the last eight or nine days; temperatures approaching or somewhat exceeding 80° F. were recorded at a number of stations in England on the 25th, 29th and 30th, while in Scotland 75° F. was registered at Forres and Gordon Castle on the 29th. In JUNE mean temperature somewhat exceeded the average on the whole, the deviation ranging from 0·0° F. in Ireland, N. to +1·3° F. in Scotland, E.

Mean temperature in JULY was not very different from the average, the deviations for the districts varying from −0·5° F. in Ireland, S. to +1·0° F. in England, N.E. The opening days were warm in England, particularly the 3rd, when maxima of 80° F. or above were widespread. In Scotland and Ireland, however, it was cool on the 3rd. Temperatures were high at times between the 13th and 19th and the last day was very warm in many parts but cool in east and south-east England. In AUGUST mean temperature exceeded the average in all districts, it was very warm at times during the first 12 or 13 days; 90° F. was reached in London (Camden Square) on the 6th and exceeded locally in south-east England on the 7th. In Scotland, 80° F. was approached or somewhat exceeded at numerous stations on one or other of the first three days and in Ireland, 82° F. was registered at Hazelhatch on the 2nd. Mean temperature in SEPTEMBER very slightly exceeded the average on the whole except in Ireland. Warm spells occurred during the first week and from the 26th onwards; temperatures of 80° F. or somewhat above were recorded at a number of stations in east and south-east England and the Midlands on the 7th. The period 9th–21st was mainly cool. In OCTOBER mean temperature generally exceeded the average except in Ireland. The deviations from the average for the districts varied from −1·4° F. in Ireland, N. to +1·7° F. in Scotland, N.; the excess was greatest in the extreme north of Scotland, where it amounted to 4·2° F. at Deerness and 3·9° F. at Lerwick. In Scotland, Ireland and England, N.E. mean temperature in NOVEMBER was, on the whole, not very different from the average. In other parts of England and Wales mean temperature was generally below the average, particularly in the south and the western Midlands; locally in these areas the deficiency was as much as 3° F. The first eight days were mild and there was a return to mild conditions at the end of the month; it was cold at times between the 10th and 28th. In DECEMBER mean temperature was considerably below the average generally, the deviation from the average for districts 1–10 being −2·9° F. The deficiency was most marked at individual stations in Scotland; it amounted to 6·7° F. at Braemar and 6·0° F. at Balmoral and Glenbranter. The period 5th–20th was unusually cold with frequent and, at times, severe frosts; on the 13th, temperature in the screen fell to −7° F. at Braemar, −5° F. at Logie Coldstone, −3° F. at Balmoral and 0° F. at Dalwhinnie. The value −7° F. is the lowest temperature recorded under standard conditions anywhere in Scotland since November 14th, 1919, when −10° F. was registered at Braemar. It was mild in England and Wales on the 1st and a mild spell occurred generally from the 22nd–26th.

The extremes for the year registered in standard screens were :—(England and Wales) 92° F. at Canterbury and Tunbridge Wells on August 7th, 10° F. at Houghall on December 13th ; (Scotland) 84° F. at Ruthwell on August 1st, −7° F. at Braemar on December 13th; (Ireland) 82° F. at Hazelhatch on August 2nd, 19° F. at Markree Castle on March 9th and December 9th, at Aldergrove on December 18th and at Birr Castle on December 8th.

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 111, Scotland 92 and Ireland 104. In Scotland, with the exception of 1933, 1937 was drier than any year since 1902.

Over Scotland more than the average rainfall was almost wholly confined to the eastern half of the country south of the Moray Firth and to a strip extending from the Firth of Forth south-west to the north of Dumfries-shire; more than 120 per cent. occurred in the neighbourhood of Montrose, Dundee and Arbroath. Less than 70 per cent. occurred over a considerable area to the north-west of the Caledonian canal and at Ullapool only 60 per cent. was registered. In England and Wales less than the average occurred over most of north-west England, Wales, North Devon and in small areas elsewhere. Falls of rather less than 80 per cent. occurred in a large part of Lancashire and the English Lake District and around Blaenau Festiniog (Merionethshire). More than 120 per cent. was received in large areas in the east and south and in somewhat smaller areas in the north-east. Among the largest percentage values were 153 at Boston, Lincs., 152 at Clacton-on-Sea and 151 at Shoeburyness. The total rainfall, 38·57 in., recorded at Totland Bay, Isle of Wight, was the largest since the record began there in 1888. Over Ireland the rainfall was more uniform; in general, rainfall exceeded the average in the southern half of the country and in the extreme north-east but over most of the northern half of the country it was somewhat deficient. More than 110 per cent. occurred around Valentia Observatory, Mallow, Gorey, Dublin and Belfast.

Continued on page **173.**

ANNUAL WEATHER CHARTS, 1937.

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.

1010 1011 1012 1013 1014 1015

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

2. MOVEMENTS OF DEPRESSIONS.

Scale 1:25,000,000

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

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS.

53° 51° 49° 47°

47° 49° 51° 53° 54°

Sea temperatures are shewn in large figures, thus: (51)

4. BRIGHT SUNSHINE, HOURS PER DAY.

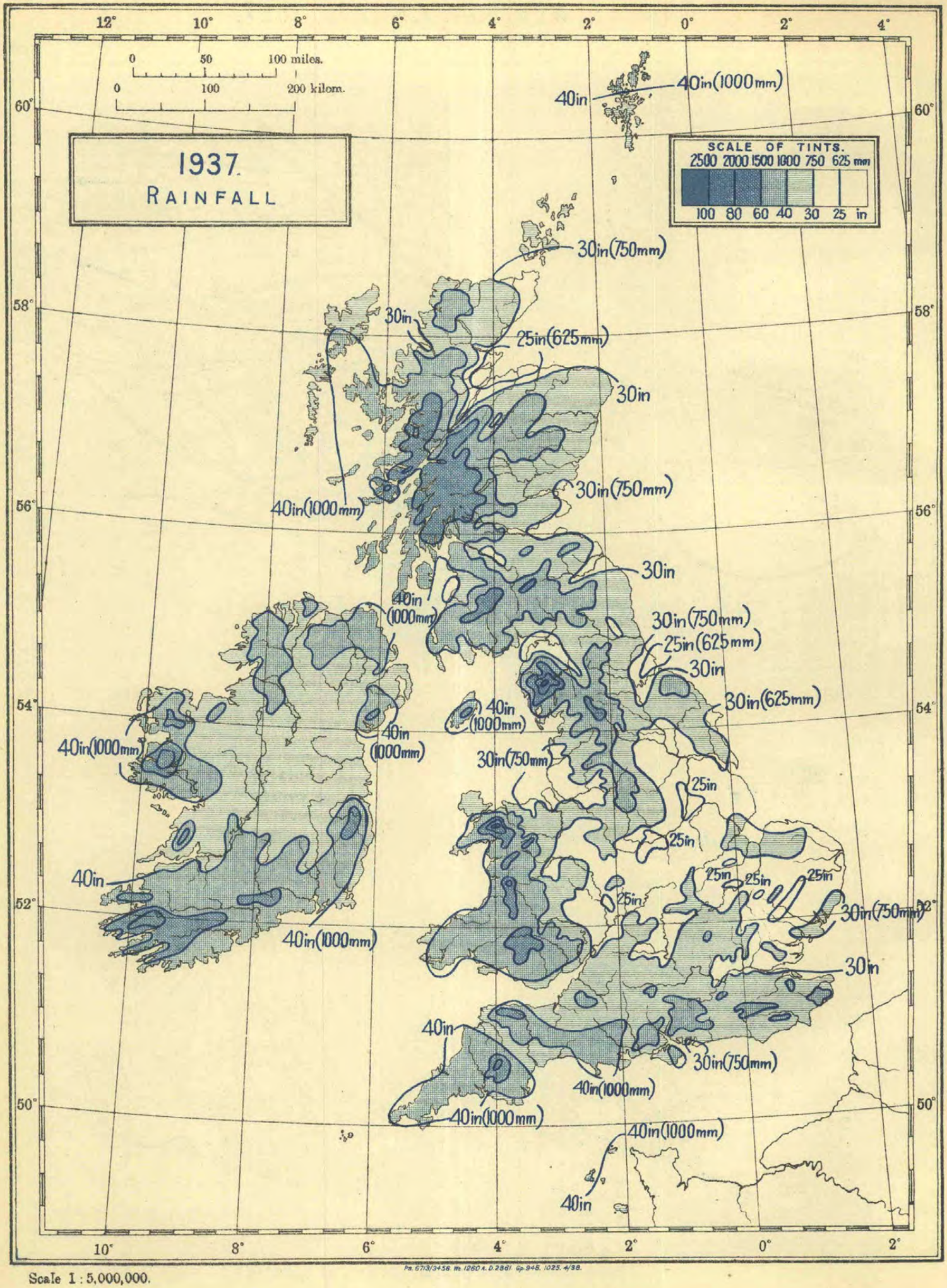
SCALE OF TINTS.

Hrs. 4·0 3·0

3·0 4·0

* Pressure in millibars.

H.M. Stationery Office Press, Kingsway W.C. 2.



Ps. 6713/3458. m. 1260 a. D. 2861 6p. 948. 1025. 4/38.

Scale 1 : 5,000,000.

With regard to individual months, over the British Isles as a whole, January and February were exceptionally wet and the greatest deficiencies of rainfall occurred in August and November. November was exceptionally dry in Scotland, where it was the driest November on record at a number of widely separated stations and at Edinburgh it was the driest in a record covering 160 years. The incidence of rainfall in England and Wales was unprecedented; the total rainfall of the first five months was greater than in any similar period back to before 1870 while a deficiency was recorded in each of the next six months. An unusual number of absolute droughts were experienced in this dry period—for example, at Oxford, from July 25th–August 11th, August 17th–31st and October 7th–21st.

Heavy falls of rain in 24 hours or less included :—

January	3rd	.. 3·30 in. at Kinlochquoich (Inverness-shire).
January	24th	.. 3·28 in. at Braemar.
February	2nd	.. 3·25 in. at Holne (Devon).
July	15th	.. 5·46 in. at Boston (Lincs.), 4·56 in. at Belvoir Castle (Leicestershire), 4·19 in. at Pensford (Somerset), 4·14 in. at Bideford-on-Avon (Warwickshire), 3·44 in. at Bristol.
August	12th	.. 3·39 in. at Montrose.
August	13th	.. 3·31 in. at Inverness, 3·16 in. at Warrington and 3·13 in. at Nairn.
October	23rd	.. 3·80 in. at Llanerchymedd (Anglesey).
December	7th	.. 4·14 in. at Newport, Isle of Wight.

Thunderstorms.—On April 7th unusually large hailstones fell during a thunderstorm at Henley-on-Thames and on April 10th, heavy rain fell in a thunderstorm at Nailsworth, Gloucestershire. The thunderstorm in the Wisbech district on May 26th was accompanied by a strong, squally wind and unusually heavy hail, which caused great damage to orchard and farm crops; much glass was broken in the windows of churches and private houses and in greenhouses. Thunderstorms occurred frequently in England and Wales from June 10th–22nd and were severe locally at times; the storms on the 10th in south-east England were associated with a line squall and some interesting forms of lightning were observed. Thunderstorms accompanied by exceptional falls of rain were widely reported in England on July 15th. Some of the falls in 24 hours are given in the previous paragraph; 1·70 in. fell at Lincoln in 30 minutes. On July 18th, 1·03 in. fell in 12½ minutes at Lingfield, (Surrey) and, on the 19th, 2·11 in. in 115 minutes at Spellbrook (Herts.), 1·72 in. in 65 minutes at Dorking and 1·40 in. in 25 minutes at Edenbridge, (Kent). Widespread thunderstorms, accompanied by heavy rain occurred from August 12th–14th; on the 12th, 3·39 in. were recorded at Montrose and 2·21 in. in rather less than two hours at Oughtershaw (Yorkshire); on the 13th, 3·31 in. fell at Inverness, 3·16 in. at Warrington and 3·13 in. at Nairn. On August 30th, 1·65 in. of rain and hail were measured at Bromley, Kent, in a little over 60 minutes. Widespread thunderstorms were reported in England on October 25th and were accompanied locally by heavy hail. Thunderstorms were somewhat widespread in Scotland and southern England on December 7th; the ones in southern England were accompanied locally by heavy rain, hail, sleet and snow. At Newport, Isle of Wight, 4·14 inches of rain were measured in the 24 hours ending at 9 a.m. on the 8th.

Snow.—The snowstorms of January 29th–31st were severe in some parts; undrifted snow was 15 inches deep in Aberdeenshire, 10 inches deep in Fife and 4 to 6 inches deep locally in the north of England. The snowstorm of February 27th–28th was noteworthy; it was accompanied by a northerly gale which caused deep snowdrifts and many roads were blocked; on the 28th undrifted snow was reported to be 14 inches deep at Macclesfield, 10 inches at Newton Rigg and roughly 24 inches at Buxton. In Scotland, drifts up to 5 feet were reported locally in the southern counties and from 7 ft. to 12 ft. at Glenferness (Nairnshire). In March sleet and snow were exceptionally frequent. The snow-storms of March 11th–13th were severe in the North of England, the south of Scotland and in Northern Ireland; they were accompanied by strong north-easterly winds and deep drifts accumulated; practically all the roads in the province of Ulster were impassable to wheeled traffic and in Scotland also roads in all parts of the country were blocked. In the closing month of the year, snow fell frequently between the 4th and 21st; the falls were heavy at times and caused serious dislocation of road traffic. The falls of the 7th–8th were heavy locally in the south of England; roads in the New Forest were blocked. In Scotland, the heaviest falls occurred between the 8th and 15th; snow drifts 6 ft. deep blocked the main road from England to Scotland over Shap Fell and conditions were hardly less severe in many other places; some highland roads remained blocked to the end of the month; undrifted snow was 18 inches deep at Balmoral on the 15th. In the north of England " snow-lying " was reported at numerous places from about the 5th–22nd; at Bellingham (Northumberland) it was 14 inches deep on the 13th and 14th. In Ireland there was a good deal of snow, some roads being practically impassable.

Sunshine.—Sunshine was deficient, the percentage of the average for districts 1–10 being 90. The deficiency was almost general, an excess being confined to a few individual stations in the north and west of Scotland. The deficiency was marked in eastern England and parts of Ireland; at Birr Castle and Aldergrove it was the dullest year since observations were first taken in 1881 and 1927 respectively and at Phoenix Park, Dublin, it was the dullest year apart from 1912 since records were begun in 1881. At Shoeburyness and Cranwell (Lincs.) the totals were the lowest since sunshine records were started in 1919 and 1921 respectively. For the country as a whole the sunniest months compared with the average were February, May and August and the dullest, April and July. Considerable variations occurred in different districts; February was markedly sunny over most of Scotland and decidedly dull in south-west England; in March there was a large excess of sunshine in the extreme north and west of Scotland and in north-west Ireland and a marked deficiency locally in north-east England. May and August were notably sunny in the west and north, in September there was a considerable deficiency in Ireland and a decided excess on the east coast of Scotland, and in December a marked excess occurred at many places in the west and north of Scotland and locally in Ireland and a substantial deficiency on the whole in England. April was the dullest April on record at a number of stations; at Birr Castle and Aberdeen it was the dullest in records going back to 1881.

Fog.—Fog developed frequently during the last three months of the year; in November the frequent and sometimes thick fogs which were experienced over wide areas in England were an important feature of the weather of the month; in December there was a good deal of fog chiefly on the 1st, from the 4th–11th, 14th–15th and 18th–28th; the fog on Christmas Day was dense over a large part of England. Local fog occurred at times during the first three months. It was thick occasionally and persistent locally in southern Scotland and north-west England on January 14th and locally in east and north-east England on January 15th. Fog occurred locally on numerous days in the first half of April and during the first three weeks of May. It was reported frequently on the south-west coasts in the first three weeks of July and was of somewhat frequent occurrence in August and September. Fog was thick at times locally on the south-west coasts on May 7th–8th, and on June 4th and 6th and locally at the Mouth of the English Channel on September 7th and early hours of the 8th.

Miscellaneous Phenomena.—The aurora was observed in Scotland in each month except June, July and August; it was seen most frequently in October (15 nights) and November (16 nights) ; unusually brilliant displays were reported at times. The aurora was seen in Buckinghamshire on the night of April 24th–25th and as far south as Boscombe Down, Wiltshire, on the night of September 10th–11th. The display on the night of October 3rd–4th was very fine; it was seen as far south as Brixham, Devon and also from a trawler off the Cornish coast. Thunderstorms in south-east England on June 10th were associated with a line squall; some interesting forms of lightning were observed. Ball lightning was seen during a thunderstorm at Horndon-on-the-Hill, Essex, on July 19th. A funnel cloud was observed between Witney and Abingdon on the morning of July 19th and at Cranwell on October 25th. Sun pillars were noted at Oxford on the evening of March 27th and at South Petherton, Somerset at sunset on September 26th. Brilliant halo phenomena were observed at South Petherton and Bridgwater on February 11th. A period of intense gloom occurred at Rotherham during the afternoon and evening of June 24th.

TABLE I.—DISTRICT VALUES FOR THE WHOLE YEAR, 1937. [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.
	°F.	°F.	°F.	°F.	°F.	%		%	%
0. SCOTLAND, N.	79	0	+0·2	—	—	80	−23	98	25
Eastern.									
1. SCOTLAND, E.	80	− 7	+0·2	—	—	109	− 3	93	28
2. ENGLAND, N.E.	84	10	+0·3	+0·8	+0·5	119	+ 4	88	26
3. ENGLAND, E.	88	14	+0·4	+0·6	+0·6	126	− 1	84	29
4. MIDLAND COUNTIES.	87	17	+0·4	+0·4	+0·6	105	−15	90	28
5. ENGLAND, S.E.	92	16	+0·6	+1·1	+1·1	126	−5	92	35
Western.									
6. SCOTLAND, W. (*and I. of Man*)	84	9	0·0	+0·1	+0·3	88	−18	95	28
7. ENGLAND, N.W. (*and N. Wales*)	85	11	+0·2	+0·8	+0·8	86	− 6	92	29
8. ENGLAND, S.W. (*and S. Wales*)	88	12	+0·4	+0·6	+0·8	101	−10	88	31
9. IRELAND, N.	79	19	−0·2	+0·3	+0·1	102	− 7	89	26
10. IRELAND, S.	82	19	0·0	−0·2	0·0	108	+ 6	89	28
11. CHANNEL I. (*and Scilly*)	89	32	+0·9	+0·6	+0·6	120	− 3	93	38
Mean : DISTRICTS 1—10	92	−7	+0·2	+0·5	+0·5	107	− 5	90	29

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1937. [1914].

The Summary showing the duration of Winds between stated limits of velocity, with Extreme Velocities, at anemograph stations, will be found 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 1937.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.					Earth Temperature.		RAINFALL.					WEATHER. Number of days.									BRIGHT SUNSHINE.		
						Means of				Absolute Maximum and Minimum. For Dates *see* Table V.						Most in a day.		Precip'n.									Percentage		
		Max.	Min.	Rain.		A Max.	B Min.	Mean of A and B.	Difference from Average.		1 ft.	4 ft.	Total Fall.	Percentage of Average.	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.	of Average.	of Possible.
		G. M. T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%	%
0. SCOTLAND, N.																												
Shetland.	Baltasound ..	9	9	9	31	49·9	41·3	45·6	+0·5	65	17	46·5	—	46·19	1173	110	1·61	6 Dec.	307	199	50	20	44	5	6	—	24	2·79	98	23
	Lerwick .. ¶§	18–7	7	156	48·6	42·5	45·5	+0·4	62	25	—	—	33·51	851	95	1·13	27 May	232	166	58	20	54	1	8	—	65	2·67	90	22
Orkney.	Deerness ..	21	21	9	160	(50·0)	(42·3)	(46·1)	(+0·6)	(65)	(27)	—	—	30·88	784	87	·80	28 Feb.	245	170	—	—	—	—	—	—	—	3·05	99	25
	Kirkwall ¶§	9	9	9	113	50·5	42·1	46·3	+0·4	71	25	47·2	—	29·85	758	81	·88	2 July	229	166	50	16	19	2	6	74	49	3·25	102	26
Hebrides.	Skallary ..	10	10	10	30	52·5	44·6	48·5	—	68	30	—	—	35·57	903	—	1·16	16 Sept.	244	185	21	2	18	1	—	—	—	—	—	—
	Stornoway (C.G.) ¶§	18–7	7	80	51·2	43·2	47·2	+0·4	68	25	—	—	35·78	909	76	1·81	4 June	247	177	33	8	51	2	4	—	64	3·28	98	27
Skye.	Duntulm ..	9	9	9	294	51·3	42·5	46·9	—	72	26	—	—	40·70	1034	—	1·06	21 Jan.	234	190	35	4	27	7	3	76	35	3·32	—	27
Caithness.	Wick	18–7	7	81	50·1	41·9	46·0	+0·3	71	15	—	—	26·91	684	90	·76	14 Aug.	213	149	43	15	36	1	11	—	42	—	—	—
Ross and Cromarty.	Achnashellach ..	9	9	9	225	(52·9)	(39·9)	(46·4)	(0·0)	(80)	—	—	53·73	1365	64	—	—	(211)	(177)	(34)	(12)	(3)	(1)	(2)	—	—	—	—	—
	Fortrose ..	9	9	9	69	52·7	41·7	47·2	+0·2	73	18	—	—	21·74	552	—	1·93	13 Aug.	171	111	34	10	4	2	5	—	0	3·33	92	27
Inverness.	Dalwhinnie ..	18–7	7	1176	49·0	36·7	42·9	—	77	0	—	—	42·17	1071	—	1·89	24 Jan.	215	165	76	100	4	0	5	156	9	2·76	—	22§
	Ft. Augustus ¶	9	9	9	68	53·1	40·2	46·7	+0·4	77	14	—	—	26·08	662	59	·86	2 July	195	127	34	24	3	2	5	—	—	2·61	96	21§
	Ft. William ..	9	9	9	34	53·3	41·5	47·4	+0·2	79	18	47·5	48·3	58·19	1478	75	1·63	2 July	208	165	25	6	9	0	0	84	4	2·89	—	24§
	Inverness ¶§	9	9	9	242	51·9	40·7	46·3	−0·7	73	15	—	—	24·19	615	88	3·31	13 Aug.	157	123	38	29	11	3	1	84	0	3·62	106	29
1. SCOTLAND, E.																														
Nairn.	Nairn .. ¶§	9	9	9	20	52·9	40·9	46·9	+0·1	75	16	—	—	23·66	601	95	3·13	13 Aug.	176	110	34	15	9	3	0	—	0	3·50	100	29
Moray.	Forres	9	9	9	155	53·8	39·8	46·8	—	75	17	—	—	22·73	577	—	·95	13 June	181	121	38	29	15	5	3	—	3	3·62	—	29
	Gordon Castle ..	21	21	9	104	53·2	40·6	46·9	0·0	77	12	—	—	27·92	709	94	·95	21 May	200	138	32	33	8	4	—	—	—	3·30	94	27§
Banff.	Banff	9	9	9	130	51·9	41·9	46·9	+0·2	76	17	—	—	27·17	690	101	1·15	24 Jan.	221	149	46	11	13	1	0	64	9	3·43	96	28
Aberdeen.	Aberdeen ¶§	24	24	24	79	51·3	42·1	46·7	+0·2	74	15	46·9	46·9	31·32	795	106	1·17	14 Dec.	206	139	57	16	40	5	12	69	2	3·39	93	28
		18–7	—	—	51·3	41·8	46·5	−0·4																						
	Balmoral ..	9	9	9	927	50·3	36·1	43·2	−0·3	78	−3	—	—	37·07	942	112	2·65	24 Jan.	221	145	54	106	0	0	—	142	0	—	—	—
	Braemar ..	21	21	9	1111	50·0	35·4	42·7	−0·6	78	−7	—	—	39·82	1011	112	3·28	24 Jan.	197	150	49	101	0	0	3	127	15	3·01	—	24§
	Craibstone ..	9	9	9	300	51·1	40·0	45·5	−0·2	76	12	46·3	46·0	34·06	865	108	1·24	24 Jan.	194	145	60	41	33	7	—	75	—	3·69	95	30
	Logie Coldstone	9	9	9	608	(51·7)	(36·7)	(44·2)	(−0·6)	(78)	(−5)	—	—	(33·56)	(852)	(109)	—	—	(206)	(141)	(60)	(86)	(0)	(3)	(4)	—	—	—	—	—
Kincardine.	Stonehaven ..	9	9	9	12	53·1	40·7	46·9	—	75	20	—	—	32·15	817	—	1·36	31 Aug.	186	127	29	4	8	3	6	—	—	3·59	—	29
Angus.	Arbroath ..	21	21	9	93	52·8	40·8	46·8	−0·1	76	19	—	—	32·49	825	127	1·25	20 May	162	128	26	10	7	6	28	104	0	3·71	90	30
	Carnoustie ..	9	9	9	39	52·5	41·1	46·8	+0·1	78	21	—	—	29·06	738	107	1·09	10 Dec.	185	129	18	13	11	4	—	—	0	3·50	91	29
	Dundee ¶§	9	9	9	147	53·1	41·0	47·1	+0·2	78	19	47·6	—	33·62	854	128	1·80	4 July	189	138	26	23	7	8	—	130	15	3·41	91	28
	Kettins ..	9	9	9	218	52·6	39·1	45·9	0·0	76	7	47·3	—	31·97	812	100	1·73	7 July	183	127	38	36	6	11	15	117	18	—	—	—
	Montrose ..	9	9	9	16	52·1	41·0	46·5	0·0	78	20	—	—	33·13	842	—	3·39	12 Aug.	171	120	28	7	18	3	5	—	2	3·64	95	30
Perth.	Crieff	21	21	9	478	52·3	39·6	45·9	−0·2	77	13	—	—	35·70	907	87	1·42	7 July	196	151	32	67	7	7	—	—	7	—	—	—
	Perth	9	9	9	76	54·2	39·9	47·1	0·0	77	7	—	—	30·74	781	100	1·45	7 July	167	158	26	31	5	4	—	—	—	3·31	89	27
Fife.	Cupar	9	9	9	210	53·0	40·5	46·7	0·0	76	14	—	—	30·98	787	—	1·56	10 Dec.	178	130	25	36	11	3	—	—	—	—	—	—
	Dunfermline ..	9	9	9	237	53·1	40·9	47·0	—	76	20	48·9	49·1	30·74	781	—	1·31	4 July	189	135	38	33	19	12	—	103	1	3·21	—	26
	Kirkcaldy ..	9	9	9	137	53·6	40·1	46·9	−1·0	76	19	—	—	32·29	820	—	1·50	14 Aug.	156	123	28	21	4	3	—	—	—	—	—	—
	Leuchars ..	18–7	7	36	52·9	40·8	46·9	0·0	76	17	—	—	29·98	761	117	1·35	10 Dec.	177	129	36	13	15	5	12	111	0	3·73	93	30
	St. Andrews ..	9	9	9	13	52·8	41·2	47·0	−0·1	77	20	47·7	48·7	30·65	779	113	1·46	14 June	177	130	25	2	10	4	7	78	—	3·58	93	29
Mid Lothian.	Edinburgh—																													
	Blackford H. ¶§	21	21	9	441	52·3	42·0	47·1	+0·2	75	23	—	—	28·98	736	110	1·88	4 July	197	118	36	31	2	8	36	69	6	3·58	95	29
	Boghall ..	9	9	9	639	51·9	40·3	46·1	0·0	75	19	46·4	46·9	34·67	880	—	1·59	4 July	205	154	39	55	5	4	17	79	—	3·42	93	28
	Liberton ..	9	9	9	190	54·0	41·2	47·6	—	77	19	—	—	31·90	810	—	1·91	7 July	182	125	22	14	5	9	—	—	—	—	—	—
	Univ. King's B.	9	9	9	225	53·8	41·7	47·7	—	76	20	47·8	48·6	30·22	767	—	1·81	7 July	185	120	—	—	—	—	—	—	—	—	—	—
E. Lothian.	Dunbar ..	9	9	9	75	53·0	42·3	47·7	—	76	22	—	—	28·36	720	—	1·39	20 May	184	133	25	11	16	3	5	70	1	3·57	—	29
	N. Berwick ..	9	9	9	118	53·3	41·3	47·3	−0·2	76	22	—	—	27·61	701	115	·95	21 May	183	132	24	8	8	6	7	79	1	3·45	91	28
Berwick.	Marchmont ¶§	21	21	9	498	52·4	40·0	46·2	+0·3	77	17	—	—	34·39	874	107	1·32	13 Dec.	211	136	30	47	2	9	—	—	1	2·99	84	24§
	St. Abb's Head	18–7	7	280	—	—	—	—	—	—	—	29·84	758	—	1·30	13 Dec.	190	130	33	15	32	4	28	—	10	—	—	—	—	—
Peebles.	Peebles	9	9	9	629	52·5	38·9	45·7	—	79	11	—	—	28·73	730	—	1·82	4 July	178	140	48	63	1	1	3	111	8	2·68	—	22
	West Linton ..	9	9	9	820	51·7	38·0	44·9	+0·6	77	9	46·4	46·8	39·57	1005	—	1·45	13 Dec.	202	167	47	69	4	7	32	143	—	—	—	—
Roxburgh.	Kelso (Br'ml'ds)	9	9	9	193	53·7	40·6	47·1	+0·4	80	18	—	—	28·34	720	109	1·06	20 May	192	133	25	42	0	8	18	—	2	—	—	—
	Wolfelee ..	9	9	9	537	52·2	38·9	45·5	+0·1	78	12	—	—	35·95	913	96	1·65	27 Feb.	209	154	51	62	5	11	8	—	6	—	—	—
6a. SCOTLAND, W.																														
Argyll.	Ardtornish ..	21	21	9	48	54·0	(39·1)	(46·5)	(−1·0)	79	16	—	—	61·74	1568	—	1·67	9 April	212	200	23	14	21	3	—	146	—	—	—	—
	Colonsay ..	9	9	9	87	52·9	(42·5)	(47·7)	—	75	(19)	—	—	44·68	1135	—	1·25	3 July	252	187	9	2	12	2	—	—	—	—	—	—
	Dunoon (Benmore)	9	9	9	46	54·3	40·6	47·5	—	79	18	48·1	47·9	68·24	1733	—	1·84	2 July	215	183	27	24	0	1	7	101	—	2·67	—	22§
	Dunoon ..	9	9	9	132	52·5	42·1	47·3	—	77	23	—	—	57·70	1466	—	1·94	2 July	193	163	14	14	8	1	1	78	0	3·27	—	27
	Glenbranter ..	9	9	9	188	53·3	38·3	45·8	−1·1	80	14	—	—	67·18	1706	—	2·15	4 Jan.	181	169	20	23	5	1	0	147	—	—	—	—
	Oban	9	9	9	229	52·0	42·4	47·2	—	76	24	—	—	46·76	1188	—	1·52	2 July	188	150	23	14	4	2	4	64	0	3·51	101	29
	Tiree .. ¶§	18–7	7	22	51·9	44·4	48·1	−0·3	71	25	—	—	34·53	877	77	·88	29 Sept.	213	152	18	1	34	1	1	26	38	3·89	95	32
Bute.	Rothesay ¶§	21	21	9	200	52·5	42·7	47·6	0·0	77	27	47·5	48·5	44·39	1128	91	1·08	16 Mar.	201	158	23	7	13	12	1	77	35	3·41	98	28
Dumbarton.	Cardross ..	9	9	9	130	53·5	40·7	47·1	+0·2	78	16	—	—	37·97	964	—	·79	30 Aug.	192	159	15	27	0	0	0	—	—	3·07	95	25§
	Helensburgh ..	9	9	9	293	53·0	40·7	46·9	−0·6	78	16	—	—	45·99	1168	87	1·03	16 Mar. / 5 June	200	160	33	17	6	1	28	—	0	3·26	100	27
Stirling.	Stirling	9	9	9	151	53·9	42·0	47·9	+0·2	77	18	47·6	—	32·04	814	—	1·12	14 Aug.	185	139	22	30	3	4	29	147	0	3·03	91	25§
Renfrew.	Greenock ..	9	9	9	199	53·2	42·9	48·1	+0·4	77	22	—	—	45·48	1155	74	1·09	2 July	196	157	23	15	5	2	61	49	0	3·17	—	26
	Paisley	21	21	9	106	54·4	42·5	48·5	+0·2	79	15	49·0	49·5	33·98	863	83	·99	3 July	183	143	21	25	3	7	22	98	0	3·20	96	26
	Renfrew (Abbotsinch) ¶§	18–7	7	19	53·6	40·9	47·3	+0·1	79	12	—	—	31·28	794	85	·82	3 July	188	136	37	25	14	7	32	99	0	3·28	100	27
Lanark.	Carluke ..	9	9	9	534	52·5	40·2	46·3	—	78	15	—	—	27·80	706	—	1·15	4 July	206	132	53	38	13	5	5	107	1	3·42	—	28
	Dungavel ..	9	9	9	798	50·5	38·7	44·6	0·0	78	18	—	—	43·88	1115	—	1·14	12 Aug.	209	163	49	29	2	2	20	109	—	—	—	—
	Glasgow ..	9	9	9	85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ayr.	Auchincruive ..	9	9	9	89	54·3	40·2	47·3	—	78	16	49·2	49·7	30·12	765	—	1·60	3 July	186	139	23	14	4	6	3	118	3	3·45	—	28
	Ayr	21	21	9	43	54·0	42·5	48·3	—	74	19	—	—	27·14	689	—	1·93	3 July	149	145	3	4	0	0	0	88	—	3·58	—	29
	Colmonell ..	9	9	9	170	53·5	41·2	47·3	−0·8	76	16	—	—	39·86	1012	89	1·38	17 Jan.	207	153	28	13	13	5	0	95	—	—	—	—
	Kilmarnock ..	9	9	9	130	54·0	40·6	47·3	−0·4	81	13	48·9	49·9	33·67	855	—	1·42	3 July	188	145	22	19	6	2	2	100	4	3·52	—	29
	Troon	9	9	9	15	52·9	42·9	47·9	—	72	21	—	—	29·07	738	—	1·56	3 July	187	139	17	15	7	2	9	77	2	3·73	—	30
	Turnberry ..	9	9	9	30	53·1	42·9	48·0	−0·5	72	27	—	—	29·91	760	—	·87	4 June	187	142	13	0	10	1	0	108	1	3·74	99	31
Dumfries.	Dumfries ¶§	21	21	9	140	53·7	41·3	47·5	0·0	81	17	48·7	48·9	34·50	876	94	·98	22 Oct.	191	150	31	20	6	7	16	109	1	3·26	90	27
	Eskdalemuir ¶§	24	24	24	794	51·2	37·9	44·5	+0·2	78	9	47·6	47·7	51·22	1301	91	1·64	14 Aug.	208	170	71	43	19	14	29	109	32	3·03	92	25
		18–7	—	—	51·3	38·8	45·1	+0·4																						
	Ruthwell ..	21	21	9	67	54·6	40·3	47·5	0·0	84	15	—	—	31·10	790	—	·95	12 Jan. / 23 Oct.	186	148	—	—	1	3	—	—	1	3·00	86	25§

¶§ – *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 1937.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.					Earth Temperature.		RAINFALL.					WEATHER. Number of days.									BRIGHT SUNSHINE.		
						Means of		Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates *see* Table V.						Most in a day.		Precip'n.									Percentage		
		Max.	Min.	Rain.		A Max.	B Min.				1 ft.	4 ft.	Total Fall.	Percentage of Average.	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.	of Average.	of Possible.
		G. M. T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%	%
6*b*. ISLE OF MAN.																												
Isle of Man.	Douglas	9	9	9	284	52·8	43·9	48·3	−0·3	73	26	—	—	44·55	1,131	108	1·73	23 Oct.	192	151	26	9	15	2	13	66	1	4·16	97	34
	Point of Ayre ..	18	—	7	30	54·6	44·9	49·7	—	76	26	—	—	33·17	842	—	1·17	12 Jan.	190	141	9	3	10	1	8	—	24	4·04	—	33
2. ENGLAND, N.E.																												
Northumberland.	Berwick-on-T. ..	9	9	9	76	52·0	42·2	47·1	0·0	74	20	—	—	25·93	659	111	1·33	20 May	187	127	34	19	32	8	8	55	6	3·53	90	35
	Bellingham ..	9	9	9	849	51·6	38·7	45·1	+0·2	77	13	—	—	35·83	910	101	1·17	17 Sept.	228	160	64	53	5	8	16	—	—	—	—	—
	Cockle Park ¶§	21	21	9	325	52·5	40·1	46·3	0·0	76	19	46·3	47·3	35·20	894	122	1·37	12 Mar.	221	153	33	23	0	6	24	78	2	3·13	83	26
	Tynemouth ..	18	—	7	108	52·0	44·2	48·1	−0·2	75	25	—	—	31·91	810	131	1·77	3 July	193	134	34	9	9	8	22	56	21	3·09	—	25
Durham.	Chopwellwood ..	9	9	9	446	53·7	40·9	47·3	+1·0	80	20	—	—	31·85	809	111	1·53	17 Sept.	202	157	39	46	5	18	0	108	—	3·09	83	25
	Durham ¶§	21	21	9	336	53·7	41·2	47·5	+0·8	79	19	—	—	31·15	791	126	1·69	3 July	197	139	37	37	3	8	39	74	2	2·92	81	24
	Houghall ..	9	9	9	160	55·5	40·2	47·9	+0·6	80	10	—	—	32·39	823	—	1·66	3 July	175	132	40	32	10	8	28	122	0	2·86	80	23
	Sunderland ..	9	9	9	70	53·5	43·3	48·4	—	77	24	—	—	31·48	800	—	1·53	3 July	201	131	—	—	—	—	—	61	—	—	—	—
	Ushaw College ..	9	9	9	594	52·4	41·3	46·9	+0·2	76	20	—	—	34·84	885	123	1·34	3 July	222	150	44	43	4	8	97	—	—	—	—	—
Yorks., N. Riding.	Ampleforth ..	9	9	9	313	53·7	41·3	47·5	+0·2	80	21	—	—	32·33	821	—	1·04	23 Oct.	187	138	38	37	7	10	49	96	—	3·12	—	25
	Castleton ..	9	9	9	450	53·6	39·8	46·7	—	81	13	47·6	—	41·44	1,053	—	1·29	18 Jan.	208	162	38	43	5	3	13	86	—	—	—	—
	Catterick ..	18	—	7	175	53·7	41·9	47·8	—	82	21	—	—	25·65	651	—	1·07	19 Nov.	180	121	43	27	8	9	41	79	1	3·06	—	25
	Scarborough †¶§	9	9	9	118	54·8	44·1	49·5	+0·3	80	25	—	—	33·27	845	129	1·12	11 May	185	133	18	9	11	7	27	61	5	3·33	87	27
	York .. ¶§	21	21	9	57	55·5	42·9	49·2	+0·3	84	23	49·2	49·7	28·46	723	117	1·25	23 Oct.	192	124	23	29	2	6	—	—	0	3·16	92	26
Yorks., E. Riding.	Hull	21	21	9	8	55·5	44·4	49·9	+1·0	81	27	49·5	49·3	29·57	751	116	1·72	2 Dec.	(184)	123	28	7	13	10	41	59	—	3·30	91	27
	Spurn Head ..	18	—	7	29	53·7	45·1	49·4	+0·3	82	29	—	—	29·06	738	128	1·20	2 Dec.	191	139	30	5	9	4	28	—	13	3·45	83	28
Lincoln.	††Cranwell ¶§	18	—	7	203	55·5	41·9	48·7	+0·2	84	21	49·2	50·2	24·42	620	105	1·82	15 July	160	112	36	16	7	15	57	74	0	3·39	81	28
	Cleethorpes ..	9	9	9	23	54·9	43·5	49·2	+0·2	82	25	—	—	28·09	713	—	1·68	15 July	185	125	24	6	4	7	15	—	—	3·50	86	29
	Skegness ..	9	9	9	15	54·2	43·6	48·9	+0·6	77	22	—	—	26·69	678	114	·77	27 Oct.	161	117	21	6	18	13	17	50	—	3·64	83	30
3. ENGLAND, E.																												
Norfolk.	Cromer	9	9	9	178	55·2	44·3	49·7	+0·4	84	25	—	—	27·80	706	117	1·14	19 Sept.	186	132	24	4	8	14	21	48	0	3·81	88	31
	Hunstanton ..	9	9	9	105	55·4	44·6	50·0	+0·2	83	25	—	—	28·03	712	—	1·30	25 May	185	126	17	8	1	11	18	—	—	3·87	89	32
	Norwich ..	9	9	9	110	56·5	42·8	49·8	+0·4	86	25	49·1	—	25·96	659	—	1·56	20 May	197	139	22	7	7	14	—	89	—	3·58	83	29
	Sprowston ..	9	9	9	93	56·2	42·9	49·5	+0·4	85	25	—	—	29·07	738	—	2·11	20 May	197	140	23	8	4	14	—	111	—	3·35	77	27
	Terrington ..	9	9	9	13	56·5	42·6	49·5	—	84	22	—	—	30·30	770	—	1·49	19 July	162	119	18	13	3	8	31	—	—	3·43	—	28
	Thetford ..	9	9	9	99	56·5	40·3	48·4	—	86	14	50·1	50·4	28·30	719	—	1·19	14 Aug.	178	133	29	7	2	19	27	110	—	3·29	—	27
	(Lynford Nursery)																													
	Yarmouth ¶§	18	—	7	5	54·3	45·4	49·9	+0·2	79	25	51·3	51·3	25·38	645	104	1·06	19 Sept.	175	126	27	1	9	14	18	25	5	3·81	85	31
Suffolk.	Bungay (Flix'n)	9	9	9	79	56·4	42·7	49·5	+0·2	85	25	—	—	28·62	727	—	1·46	20 May	166	140	15	6	3	9	15	98	—	—	—	—
	Chadacre ..	9	9	9	250	56·7	42·0	49·3	—	84	19	—	—	26·84	682	—	·90	11 Mar.	186	136	21	11	1	10	16	103	—	3·72	—	30
	Copdock ..	9	9	9	164	56·8	42·9	49·9	+0·9	87	24	50·3	50·9	28·54	725	—	·98	20 May	189	131	15	1	2	15	29	72	—	3·69	86	30
	Felixstowe Aero.	18	—	7	15	(55·3)	(45·2)	(50·3)	(+0·4)	78	(27)	—	—	(26·39)	(670)	(130)	1·38	20 May	(178)	(123)	(19)	(4)	(10)	(17)	(19)	(45)	(3)	(4·07)	(84)	(33)
	Lowestoft ..	9	9	9	82	55·6	43·3	49·9	+0·6	82	25	51·1	51·4	25·02	635	107	·86	20 May	182	120	22	5	11	12	16	74	1	3·77	80	31
	*Mildenhall ..	18	—	7	15	56·5	42·8	49·7	—	84	20	—	—	27·17	690	—	1·31	15 July	180	125	24	7	7	18	45	71	2	3·54	—	29
Cambridge.	Cambridge ¶§	21	21	9	41	56·8	42·3	49·5	+0·2	86	22	50·8	51·4	27·01	686	124	1·21	15 July	158	121	20	12	4	17	19	83	0	3·24	78	27
	(Bot. Gdns.)																													
	(Univ. Farm) ..	9	9	9	78	56·8	43·0	49·9	—	85	23	—	—	28·88	734	—	1·67	15 July	182	119	19	15	0	9	32	87	0	3·51	—	29
Bedford.	Luton	9	9	9	381	56·1	42·2	49·1	+0·6	85	20	51·9	51·8	31·15	791	—	1·39	14 Aug.	161	119	—	—	—	—	35	81	—	3·25	78	27
	Woburn ..	9	9	9	291	55·8	41·5	48·7	+0·2	85	20	50·7	50·6	30·61	777	128	1·10	13 Aug.	184	124	32	16	5	24	21	79	—	3·57	89	29
Hertford.	Rickmansworth	9	9	9	192	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Rothamsted ¶§	9	9	9	420	54·7	42·3	48·5	+0·2	83	18	49·1	—	32·09	815	120	1·11	13 Aug.	177	130	25	13	4	15	31	83	1	3·50	83	29
	St. Albans ..	9	9	9	272	56·4	41·6	49·0	+0·2	85	18	50·9	—	31·72	805	127	1·10	14 Aug.	189	131	8	1	1	9	16	79	—	—	—	—
Essex.	Clacton-on-S. ¶§	9	9	9	53	55·1	44·8	49·9	+0·2	75	27	51·6	52·1	31·12	790	152	1·59	15 July	174	133	15	2	3	11	8	52	—	3·96	84	32
	Chelmsford ..	9	9	9	134	57·7	42·6	50·2	+0·9	88	22	—	—	28·25	717	127	·87	1 Nov.	176	121	11	6	1	7	—	—	—	—	—	—
	Chelmsford ..	9	9	9	193	57·4	42·4	49·9	—	88	23	—	—	28·63	727	—	·87	7 Feb.	176	127	14	6	0	11	—	86	—	3·77	—	31
	(Agr. St.)																													
	Earls Colne ..	9	9	9	168	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Halstead ..	9	9	9	140	57·7	42·5	50·1	+0·6	88	21	—	—	27·46	697	—	·72	20 May	168	125	34	11	3	11	20	—	—	—	—	—
	Shoeburyness ..	18	—	7	11	56·8	44·6	50·7	+0·7	81	25	—	—	29·98	761	151	1·17	15 July	166	123	25	3	7	9	21	69	1	3·89	83	32
4. MIDLAND COUNTIES.																												
Yorks., W. Riding.	Askham Bryan ..	9	9	9	90	55·4	40·9	48·1	—	84	20	—	—	27·25	692	—	1·06	11 May	167	123	23	15	2	8	23	90	—	3·17	—	26
	Bingley ..	9	9	9	610	52·8	41·1	46·9	—	80	22	—	—	29·84	758	—	1·38	15 July	200	135	53	37	3	7	49	92	—	—	—	—
	Bradford ..	9	9	9	439	53·6	42·1	47·9	+0·4	81	22	47·6	48·7	30·40	772	97	1·22	11 Mar.	189	128	—	—	—	—	67	91	—	2·80	84	23
	Doncaster ..	9	9	9	30	55·8	40·7	48·3	—	82	19	—	—	29·71	755	—	2·20	2 Dec.	173	112	22	13	1	9	36	150	—	3·08	—	25
	Giggleswick ..	9	9	9	575	52·9	40·5	46·7	+0·2	78	17	—	—	32·37	822	—	·97	25 Feb.	202	153	39	30	5	8	15	—	3	2·81	87	23
	Harrogate ¶§	9	9	9	478	53·5	42·0	47·7	+0·8	81	22	48·2	48·5	28·84	732	94	1·01	11 Mar.	175	120	40	41	8	7	64	87	1	3·21	86	26
	Huddersfield ..	21	21	9	325	54·5	42·0	48·3	+0·3	82	19	48·1	48·9	29·10	739	97	1·25	27 Feb.	188	130	26	28	4	10	48	100	—	2·55	81	21
	,, (Oakes)	9	9	9	761	54·0	41·5	47·7	+0·4	83	23	47·2	47·2	35·32	897	103	1·85	11 Mar.	223	151	42	51	2	10	76	79	1	—	—	—
	Meltham **	9	9	9	514	53·7	41·2	47·5	+0·2	82	20	47·2	47·1	39·35	999	88	1·54	5 Jan.	209	151	—	—	—	—	—	96	—	—	—	—
	Pontefract ..	9	9	9	255	54·0	42·3	48·1	−0·5	80	20	—	—	25·46	647	109	1·24	23 Oct.	177	103	—	—	—	—	81	78	—	—	—	—
	Sheffield ..	9	9	9	428	54·6	43·3	48·9	+0·1	82	25	47·8	48·2	35·36	898	116	1·62	2 Dec.	174	127	—	—	—	—	—	64	—	3·02	87	25
	Wakefield ..	9	9	9	124	56·1	42·1	49·1	+0·4	83	21	48·8	49·2	28·43	722	112	1·35	15 July	200	115	47	25	36	16	61	89	—	2·69	85	228
Derby.	Belper (School) ..	9	9	9	222	56·1	40·9	48·5	+0·2	83	20	—	—	27·70	704	93	1·52	15 July	157	115	27	15	1	17	—	—	—	—	—	—
	Buxton	9	9	9	1007	51·1	40·1	45·6	−0·1	77	18	46·5	46·8	44·64	1,134	92	1·35	5 Jan.	197	153	47	47	6	7	74	84	—	2·65	80	22
Nottingham.	Attenborough ..	18	7	7	89	56·2	41·6	48·9	—	84	17	49·8	50·2	26·12	663	—	2·51	15 July	162	105	41	11	8	15	76	98	3	—	—	—
	Mansfield ..	9	9	9	357	55·0	42·1	48·5	0·0	82	25	—	—	28·73	730	—	1·43	2 Dec.	146	122	39	27	4	14	74	—	—	—	—	—
	Nottingham ¶§	9	9	9	192	55·9	43·1	49·5	+0·6	83	24	48·2	49·6	24·30	617	103	1·69	15 July	155	107	—	—	—	—	78	82	—	3·01	87	25
	Sutton Bon'gton	9	9	9	157	56·0	41·5	48·7	0·0	82	20	49·4	—	26·19	665	121	2·18	15 July	142	105	23	7	3	10	42	74	—	3·12	84	25

† 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. †† New Site as from December 9th, 1936. * New Site as from September 8th, 1937.

TABLE III (*continued*).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1937.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation. Max.	Min.	Rain.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT. Means of A Max.	B Min.	Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates *see* Table V.	Earth Temperature. 1 ft.	4 ft.	RAINFALL. Total Fall.	Percentage of Average.	Most in a day. Amount.	Date.	WEATHER. Number of days. Precip'n. 0·2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	For (Morn'g Obs.)	Ground Frost.	Gale.	BRIGHT SUNSHINE. Percentage Daily Mean.	of Average.	of Possible.
4. MID. COUNTIES—*cont.*		G. M. T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	%	in.										hr.	%	%
Leicester.	Belvoir Castle ..	21	21	9	259	55·4	41·8	48·6	+0·5	83	19	50·0	50·2	28·10	714	112	4·56	15 July	159	114	—	—	—	—	—	81	—	3·39	83	28
	Leicester ..	9	9	9	325	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—
Northampton.	Oundle	9	9	9	147	55·9	41·6	48·7	+0·4	84	21	49·8	50·3	24·36	619	—	·84	25 May	172	118	24	11	4	12	35	91	—	3·46	*89*	28
Warwick.	Birmingham ¶§	18—7		7	535	54·4	43·6	49·0	+0·2	81	25	47·9	49·1	28·88	734	109	1·24	15 July	174	127	43	12	9	15	47	74	0	3·37	94	28
	,, Sparkhill	7	13	7	425	56·4	42·1	49·3	+0·6	85	22	—	—	29·45	748	105	1·23	15 July	171	125	41	17	16	12	60	109	—	—	—	—
	Coventry ..	9	9	9	241	56·2	41·4	48·8	−0·5	84	19	50·8	51·6	27·87	708	107	·90	15 July	171	128	15	8	3	7	19	92	—	3·14	87	25
	Rugby	21	21	9	390	56·0	40·3	48·1	−0·2	83	20	—	—	27·26	692	—	·83	15 July	172	128	16	10	4	12	—	(120)	—	3·21	—	26
	Stratford-on-Avon.	9	9	9	210	56·7	41·6	49·1	—	84	22	—	—	25·85	657	—	2·87	15 July	187	124	11	1	2	11	26	—	—	3·50	—	29
Oxford.	Oxford .. ¶§	9	9	9	208	57·5	43·2	50·3	+0·6	87	21	51·3	51·6	27·55	700	111	·94	27 Oct.	173	122	24	5	16	15	31	78	0	3·72	91	30
Bucks.	Halton	9	9	9	544	55·9	42·5	49·2	—	85	22	50·6	50·5	35·13	892	—	1·71	14 Aug.	167	125	32	19	9	17	18	(93)	—	3·37	—	28
	Mursley ..	9	9	9	490	55·3	41·6	48·5	+0·1	82	20	48·7	—	28·50	724	111	1·24	25 May	172	123	—	—	—	—	—	—	—	3·42	*84*	28
Stafford.	Market Drayton	9	9	9	581	54·3	40·7	47·5	—	81	18	—	—	29·03	737	—	1·59	15 July	159	135	41	32	16	11	44	91	—	3·56	—	29
	Mayfield ..	9	9	9	374	54·7	39·9	47·3	+0·3	82	19	—	—	31·07	789	96	1·48	2 Dec.	170	125	37	23	14	16	—	95	—	3·17	*88*	26
Shropshire.	Newport ..	9	9	9	211	55·3	41·2	48·3	—	82	19	—	—	27·22	691	110	1·65	15 July	179	122	22	15	5	9	19	111	—	3·22	—	26
	Shrewsbury ..	9	9	9	184	56·3	41·6	48·9	−0·2	82	21	50·5	51·3	24·55	624	—	1·14	12 Aug.	186	126	23	10	3	12	20	109	4	3·22	—	26
Worcester.	Malvern ..	9	9	9	380	55·9	44·1	50·0	+0·5	84	21	50·0	50·3	29·96	761	108	1·39	15 July	159	123	14	10	1	10	36	62	—	3·97	*94*	33
	Worcester (Perdiswell)	9	9	9	94	57·3	41·6	49·5	+0·2	83	19	—	—	26·02	661	—	1·46	15 July	159	114	20	2	6	11	—	103	—	3·61	—	30
Hereford.	Bromyard ..	9	9	9	393	55·8	40·9	48·3	0·0	81	18	50·0	50·1	30·77	782	—	1·68	15 July	178	125	16	11	3	10	77	92	—	—	—	—
	Hereford ..	9	9	9	292	56·1	41·9	49·0	+0·3	85	22	—	—	33·01	838	120	1·43	15 July	184	132	11	6	1	8	13	66	1	—	—	—
	Ross-on-Wye ¶§	18—7		7	223	55·9	43·4	49·7	0·0	83	22	50·6	51·2	30·33	770	107	2·40	15 July	165	122	18	5	7	13	44	85	1	3·70	*91*	30
Gloucester.	Bristol (Horfield)	18—7		7	206	57·1	44·0	50·5	—	85	23	52·1	52·3	33·85	860	—	3·44	15 July	189	137	18	13	18	15	21	66	1	—	—	—
	Cheltenham ..	21	21	9	214	57·0	42·7	49·9	0·0	84	21	51·1	52·3	26·46	672	100	1·77	15 July	164	128	24	10	8	10	20	95	0	3·65	*90*	30
	Cirencester ..	9	9	9	443	55·7	41·1	48·4	+0·2	83	19	—	—	32·23	819	—	1·81	15 July	188	137	15	8	7	6	36	105	—	3·82	*92*	31
	Parkend ..	9	9	9	325	55·5	40·8	48·1	—	82	21	49·7	50·1	36·11	917	—	1·63	15 July	171	133	14	14	2	11	27	104	—	3·69	—	30
5. ENGLAND, S.E.																														
London.	City, Bunhill Row.	—			—																							3·07	91	25
	Camden Square	9	9	9	110	58·4	45·5	51·9	+0·7	90	27	50·8	51·2	28·58	726	117	·89	13 Dec.	165	132	11	1	2	15	—	68	—	—	—	—
	East Ham ..	9	9	9	15	58·1	45·0	51·5	+1·1	88	25	—	—	29·17	741	131	1·68	15 July	167	122	—	—	—	—	—	—	—	—	—	—
	Enfield	9	9	9	148	—	42·2	—	—	(85)	23	—	51·1	29·31	744	118	·94	13 Aug.	165	132	19	5	5	17	34	—	—	3·40	*85*	28
	*g*Greenwich ..	24	24	9	149	58·6	43·5	51·1	+0·6	92	24	50·8	51·1	28·75	730	122	1·01	30 Aug.	176	123	23	2	6	16	41	103	0	3·13	79	26
		21	9	—	—	58·5	44·3	51·4																						
	Hampstead ..	9	9	9	450	55·8	42·5	49·1	0·0	86	23	—	—	32·41	823	—	1·56	13 Aug.	186	135	29	20	5	19	—	(115)	—	3·56	*88*	29
	Kensington ..	18—9		9	80	57·4	45·7	51·5	+0·2	87	27	51·8	51·9	29·08	739	120	1·28	13 Aug.	172	127	10	3	1	9	39	(73)	0	3·30	—	27
	Kingsway ..	—			—																							3·19	—	26
	Regent's Park ..	9	9	9	129	58·1	45·1	51·6	—	87	27	—	—	28·57	726	—	1·01	1 Dec.	161	128	12	1	0	9	40	55	—	3·28	91	27
	Kew ¶§	24	24	24	18	57·3	44·8	51·1	+0·7	85	25	51·5	51·9	29·66	753	124	2·14	13 Aug.	164	107	19	2	5	17	38	71	0	3·72	93	30
	Observatory	18—7		—		57·1	45·2	51·1	+0·2																					
	Tottenham ††¶§	21	21	9	51	58·5	45·6	52·1	+1·0	88	26	—	53·0	30·60	777	131	1·79	13 Aug.	163	122	10	2	2	11	—	40	—	3·41	*88*	28
	Westminster ..	9	9	9	27	58·4	46·1	52·3	+0·9	87	27	—	—	25·93	659	116	·81	13 Dec.	158	119	11	1	1	9	—	54	—	3·27	89	27
Surrey.	Addington ..	9	9	9	472	55·9	43·7	49·8	+0·8	85	22	—	—	36·65	931	—	1·05	2 Dec.	179	142	9	7	0	8	44	—	—	—	—	—
	Croydon ..	18—7		7	217	57·3	44·9	51·1	+0·8	87	23	—	—	35·21	894	132	1·03	2 Dec.	180	129	27	7	8	14	33	44	0	3·60	*86*	29
	Wisley	9	9	9	150	57·7	43·1	50·4	+0·5	88	20	51·8	—	31·91	811	—	1·17	22 Oct.	180	130	9	5	0	13	31	105	0	3·52	85	29
Kent.	Biggin Hill ..	18—7		7	567	55·1	43·8	49·4	+0·6	85	24	—	—	38·24	971	122	1·13	2 Dec.	189	142	32	14	18	14	56	78	2	3·88	*88*	32
	Bromley ..	9	9	9	213	57·9	43·9	50·9	—	87	24	—	—	30·80	782	127	1·65	30 Aug.	168	126	13	6	4	13	26	75	—	—	—	—
	Canterbury ..	9	9	9	135	58·1	43·9	51·0	+0·7	92	21	51·2	51·1	34·00	864	—	·94	22 Oct.	162	130	—	—	—	—	—	65	—	—	—	—
	Dover	9	9	9	22	56·9	46·4	51·7	+1·5	82	26	53·1	53·8	41·37	1051	—	1·51	15 July	178	136	16	4	4	9	11	34	4	4·44	*93*	36
	Dungeness ..	18—7		7	20	56·5	45·3	50·9	+0·6	80	21	—	—	31·89	810	131	·99	20 May	165	138	12	2	9	8	24	—	3	—	—	—
	East Malling ..	9	9	9	132	57·2	41·9	49·5	+0·2	90	24	—	—	33·60	853	—	·88	2 Dec.	176	133	17	3	5	13	28	81	0	3·72	*87*	30
	Folkestone ..	9	9	9	101	56·6	45·6	51·1	+0·6	86	27	—	52·9	39·66	1007	—	1·21	15 July	179	137	14	6	9	12	17	58	—	4·30	89	35
	Goudhurst ..	9	9	9	290	56·9	41·8	49·3	—	89	20	—	—	40·47	1028	—	2·06	13 Aug.	192	141	13	6	3	16	25	106	—	—	—	—
	Lympne ..	18—7		7	346	55·3	44·0	49·7	+0·7	84	20	—	52·1	34·01	864	119	1·05	7 Feb.	189	140	24	10	11	15	37	71	1	4·38	*91*	36
	Manston ..	18—7		7	142	56·3	45·1	50·7	—	87	22	—	—	32·94	837	—	·99	14 Aug.	177	124	14	3	14	15	20	49	2	4·23	—	35
	Margate.. ¶§	9	9	9	51	56·4	47·2	51·8	+0·9	85	28	52·6	53·0	30·16	766	132	·98	7 Feb.	161	118	11	1	7	8	7	9	0	4·26	88	35
	Tunbridge W. ..	9	9	9	355	57·3	42·1	49·7	+0·4	92	18	51·1	51·8	36·52	928	—	1·10	4 Feb.	173	138	21	8	6	11	9	77	0	3·99	89	33
	Wye	9	9	9	164	57·5	43·0	50·3	+1·0	89	20	—	—	38·29	973	—	1·54	8 Dec.	179	136	12	0	0	3	—	77	0	4·10	*93*	34
Sussex.	Ardingly ..	9	9	9	437	56·8	43·0	49·9	+1·0	90	22	—	—	40·24	1022	—	1·25	4 Feb.	185	139	10	10	2	13	—	76	—	—	—	—
	Beachy Head ..	18—7		7	502	54·5	44·9	49·7	+0·6	82	26	—	—	37·29	947	—	1·32	4 Feb.	176	136	14	0	7	9	53	—	—	—	—	—
	Brighton ..	9	9	9	32	56·7	46·2	51·5	+0·8	79	26	—	53·6	32·87	835	117	·91	7 Feb.	158	132	9	2	3	5	18	44	4	4·36	90	36
	Eastbourne ..	21	21	9	35	57·0	46·4	51·7	+1·0	82	26	53·1	53·7	38·16	969	124	1·24	4 Feb.	174	134	7	2	4	8	9	45	—	4·63	92	38
	Hastings ¶§	21	21	9	149	56·9	45·6	51·3	+0·9	79	27	53·5	53·4	37·20	945	130	1·24	22 Oct.	168	136	12	4	4	5	3	—	3	4·59	93	38
Berkshire.	Ascot (H'therw'd)	21	21	9	300	57·2	42·3	49·7	+0·4	87	19	—	—	30·93	785	—	·94	13 Dec.	191	131	26	16	1	19	40	84	—	3·96	92	32
	Reading ..	9	9	9	152	58·1	43·5	50·8	+1·1	87	22	51·5	52·4	29·86	758	—	1·17	25 May	183	128	21	3	0	18	—	83	0	—	—	—
	Shinfield ..	9	9	9	200	58·0	42·3	50·1	+0·6	87	20	—	—	30·87	784	—	1·05	25 May	165	126	18	7	4	15	—	—	—	—	—	—
Hampshire.	Bournemouth ..	9	9	9	139	57·7	44·4	51·1	+0·7	85	25	52·1	52·3	40·98	1041	130	1·62	15 July	179	135	15	4	3	7	32	—	—	4·37	91	36
	Calshot	18—7		7	8	57·1	46·2	51·7	+0·8	82	27	—	—	34·66	880	136	2·52	7 Dec.	168	132	14	4	6	17	22	38	5	4·38	*92*	36
	Leckford ..	9	9	9	385	56·3	42·2	49·3	—	83	19	50·1	—	36·65	931	—	1·21	25 May	163	135	14	11	5	—	15	—	—	4·00	—	33
	Long Sutton ..	9	9	9	479	56·9	42·1	49·5	+0·4	86	20	51·5	—	40·02	1017	—	1·22	25 May	174	133	16	8	8	12	24	66	—	(3·68)	(*85*)	(30)
	Southampton ¶§	21	21	9	64	57·7	44·7	51·2	+0·5	84	24	—	—	38·73	984	125	1·80	7 Dec.	176	145	15	5	0	16	28	57	5	4·15	92	34
	*S. Farnboro' ..	18—7		7	226	57·4	42·5	49·9	+0·1	87	16	—	—	33·78	858	129	1·23	6 Mar.	178	129	25	12	7	20	38	95	0	3·98	*92*	33

†† Tottenham is used as a " district value " station for England, E., and not for England, S.E. *g* Temperature from thermometers on a Glaisher stand.

¶§ § *See* Notes on Tables on page 183 of this issue. * New site as from May 19, 1937.

TABLE III (*continued*).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1937.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation. Max.	Min.	Rain.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT. Means of A Max.	B Min.	Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates *see* Table V.	Earth Temperature. 1 ft.	4 ft.	RAINFALL. Total Fall.	Percentage of Average.	Most in a day. Amount.	Date.	WEATHER. Number of days. Precip'n. 0·2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	For (Morn'g Obs.)	Ground Frost.	Gale.	BRIGHT SUNSHINE. Percentage Daily Mean.	of Average.	of Possible.
	G. M. T.			ft.	°F.	°F.	°F.	°F.	°F. °F.	°F.	°F.	in.	mm.	%	in.											hr.	%	%
5. ENGLAND, S.E.—*cont.*																											
I. of Wight. Newport ..	9	9	9	48	59·1	43·4	51·3	+0·8	90 22	—	—	45·78	1,163	—	4·14	7 Dec.	171	138	11	4	8	15	26	82	—	—	—	—
Ryde	9	9	9	13	57·8	46·3	52·1	+0·9	83 27	—	—	35·29	896	—	2·09	7 Dec.	165	126	9	0	3	9	6	—	5	4·58	97	37
Sandown ..	9	9	9	13	57·5	46·5	52·0	+0·7	86 28	—	—	35·92	912	—	1·90	7 Dec.	170	134	8	5	1	9	0	—	—	4·73	95	39
Totland Bay ..	9	9	9	140	56·5	45·7	51·1	+0·6	83 28	—	—	38·58	980	135	1·94	7 Dec.	177	137	11	5	4	11	19	45	16	4·50	92	37
Ventnor (Hospital)	9	9	9	59	57·4	47·3	52·3	+0·7	84 29	—	—	37·13	943	128	2·10	7 Dec.	175	138	10	4	6	11	—	—	0	4·75	97	39
Wilts. Amesbury (Boscombe Down).	18–7		7	417	56·0	42·6	49·3	—	84 17	—	—	34·62	879	—	·84	22 Oct.	171	131	18	16	11	12	41	64	3	4·03	—	33
Larkhill	9	9	9	440	56·2	41·7	49·1	+0·4	84 16	—	—	33·55	852	131	1·51	22 Oct.	170	128	16	10	10	13	21	87	3	—	—	—
Marlboro' ¶§	9	9	9	424	56·6	40·2	48·4	+0·3	84 16	50·6	51·0	37·01	940	119	1·28	10 April	180	138	18	10	5	11	29	117	9	3·68	95	30
Porton	9	9	9	363	57·0	41·3	49·1	+0·6	84 16	50·4	—	34·45	875	130	1·20	7 Dec.	157	132	18	14	6	13	11	95	2	4·21	*96*	34
7*a*. ENGLAND, N.W.																											
Cumberland. Keswick ..	9	9	9	254	54·2	41·4	47·8	−0·3	82 16	48·5	49·2	42·95	1,091	78	1·33	23 Oct.	180	145	31	37	5	6	2	88	7	3·06	*92*	25
Newton Rigg ¶§	21	21	9	560	53·2	39·6	46·4	−0·1	80 11	—	—	29·52	750	81	1·29	23 Oct.	208	123	49	39	2	7	6	124	4	3·21	88	26
Westmorland. Ambleside ..	9	9	9	145	54·9	40·9	47·9	—	82 16	—	—	56·60	1,438	—	1·63	5 Jan.	196	164	31	26	5	3	8	—	—	2·96	—	24
Appleby ..	9	9	9	440	53·8	39·7	46·7	+0·6	79 18	—	—	25·24	641	72	·91	7 July	187	133	31	16	0	7	—	—	—	—	—	—
Lancashire. Bolton	9	9	9	342	54·6	42·5	48·5	+0·2	80 22	48·8	48·7	35·94	913	83	1·26	5 Jan.	193	151	24	30	9	5	—	60	—	2·81	100	23§
Burnley	9	9	9	458	53·5	41·3	47·4	+0·3	79 19	48·2	48·6	29·90	759	—	·98	5 Jan.	196	146	38	21	7	6	16	116	—	2·57	*84*	21§
Darwen	21	21	9	724	53·7	41·2	47·5	+0·6	83 23	48·8	48·4	38·94	989	78	1·36	5 Jan.	219	157	52	27	12	11	42	79	—	2·93	*93*	24§
Hutton	9	9	9	82	54·8	42·2	48·5	+0·4	80 20	49·0	49·7	26·39	670	—	1·22	13 Aug.	156	135	19	14	6	3	34	(98)	0	3·13	*87*	26
Lancaster ..	9	9	9	312	55·0	43·0	49·0	+0·4	80 24	48·1	48·6	31·37	797	77	1·20	3 June	179	140	14	5	4	6	18	71	—	2·97	78	24
Leyland	9	9	9	125	55·1	41·5	48·3	+0·2	81 19	—	—	25·30	643	73	1·09	13 Aug.	177	131	12	9	6	7	27	80	—	3·28	*90*	27
Manchester—																											
(Barton) ..	18–7		7	70	55·0	41·7	48·4	—	81 17	—	—	26·65	677	—	·90	5 Jan.	183	128	30	6	11	9	74	96	1	2·87	—	24
(Oldham Road)	21	21	9	191	55·8	45·3	50·5	+0·6	85 26	49·8	51·1	27·48	698	80	1·00	5 Jan.	182	137	32	—	6	7	—	44	—	2·17	82	18§
(Whitworth Park).	21	21	9	125	56·0	43·6	49·8	+0·5	83 23	—	—	25·09	637	79	·89	5 Jan.	178	131	—	—	—	—	60	68	—	2·38	84	19
Southport (Bedford Rd. Pk.) ¶§	9	9	9	35	55·3	43·0	49·1	+0·3	82 21	49·7	50·5	24·85	631	78	·75	13 Aug.	168	127	24	5	23	11	10	69	11	3·68	89	30
Stonyhurst ¶§	9	9	9	377	53·5	42·3	47·9	+0·2	78 21	—	—	33·23	844	71	1·71	3 June	204	142	46	14	10	8	19	74	6	3·37	96	27
Cheshire. Bidston Obs'y...	9	9	9	198	53·8	44·2	49·0	−0·1	78 26	—	—	27·66	703	99	1·17	20 May	184	133	21	11	12	10	39	30	2	3·63	*92*	30
Hoylake ..	9	9	9	23	55·6	43·6	49·6	0·0	80 24	—	—	26·54	674	94	1·15	20 May	176	125	14	5	9	6	—	84	—	3·67	89	30
Macclesfield ..	9	9	9	500	54·5	42·0	48·3	+0·8	82 16	—	—	31·70	805	93	1·50	15 July	176	136	30	34	4	6	21	—	—	—	—	—
West Kirby ..	9	9	9	25	55·3	43·8	49·5	−0·2	82 26	—	—	25·64	651	92	1·38	20 May	174	126	36	9	30	15	0	82	—	3·77	*90*	31
7*b*. NORTH WALES.																											
Flint. Hawarden B'dge	9	9	9	17	56·3	42·9	49·6	−0·1	81 23	—	—	27·64	702	—	·91	16 April	178	126	25	6	14	6	20	—	—	—	—	—
Rhyl	9	9	9	31	55·8	44·0	49·9	+0·3	79 24	—	—	25·51	648	99	1·12	13 Aug.	178	119	23	5	17	5	1	51	10	3·69	87	30
Sealand ¶§	18–7		7	16	55·5	43·1	49·3	+0·2	82 23	50·3	50·8	27·71	704	106	·85	16 April	176	133	18	5	16	13	37	77	4	3·54	*94*	29
Anglesey. Holyhead ¶§	18–7		7	26	54·0	46·8	50·4	+0·2	73 30	—	—	33·44	849	96	1·59	23 Oct.	192	135	13	0	22	6	6	21	23	3·97	*93*	33
Denbigh. Colwyn Bay ..	9	9	9	118	55·6	45·0	50·3	0·0	76 27	—	—	22·84	580	73	1·06	23 Oct.	184	124	12	4	11	4	0	—	—	3·59	*87*	29
Carnarvon. Aber	9	9	9	60	55·6	45·0	50·3	−0·1	77 29	—	—	37·56	954	—	1·93	16 Mar.	201	144	22	11	13	7	—	77	11	3·33	*92*	30§
Llandudno ..	9	9	9	13	55·3	45·4	50·3	0·0	78 27	—	—	25·86	657	92	1·56	23 Oct.	172	125	16	5	14	9	2	43	2	3·64	87	30
Montgomery. Welshpool ..	9	9	9	254	56·5	40·9	48·7	+0·1	82 20	—	—	30·26	769	101	1·65	12 Aug.	175	121	19	13	0	10	24	—	—	—	—	—
8*a*. SOUTH WALES.																											
Cardigan. Aberystwyth ..	9	9	9	12	55·0	45·5	50·3	+0·4	75 25	—	—	35·07	891	—	1·21	29 Oct.	199	161	7	1	15	8	9	—	—	3·82	94	31
,, P.B.S.†	9	9	9	452	53·8	43·9	48·9	0·0	75 26	—	—	35·32	897	—	1·48	29 Oct.	201	153	18	9	12	8	8	63	2	3·79	*94*	31
Ciliau Aeron ..	9	9	9	252	—	—	—	—	— —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembroke. Haverfordwest ..	21	21	9	233	56·0	43·1	49·5	+0·2	80 21	—	—	44·39	1127	—	·99	11 Dec.	192	160	22	7	13	7	6	—	—	4·07	*91*	33
St. Ann's Hd. ¶§	18–7		7	142	54·5	46·8	50·7	+0·2	75 26	—	—	34·19	868	97	1·20	20 Jan.	188	143	15	0	18	5	17	—	60	3·64	85	30
Radnor. Llandrindod Wells	9	9	9	772	55·2	40·2	47·7	—	87 18	—	—	33·84	859	—	·99	15 July	180	148	35	20	0	5	12	—	2	3·08	—	25
Rhayader ¶§	9	9	9	757	53·9	40·2	47·1	+0·4	80 12	—	—	41·84	1063	83	1·23	5 Jan.	210	160	35	32	5	8	18	125	2	2·91	*80*	24
Brecknock. Cantref	9	9	9	1080	51·6	40·5	46·1	—	78 19	—	—	61·52	1563	—	1·80	2 Feb.	215	175	33	31	1	11	12	—	—	3·57	—	29
Glamorgan. Cardiff	21	21	9	203	56·8	44·2	50·5	+1·0	82 26	51·2	51·6	36·47	926	88	1·49	29 Oct.	190	140	9	5	1	4	12	54	1	3·83	*87*	31
Swansea ..	9	9	9	32	56·6	46·3	51·5	+0·4	80 28	52·9	54·5	39·82	1011	—	1·06	29 Oct.	197	159	13	4	4	2	14	61	—	4·01	97	33
8*b*. ENGLAND, S.W.																											
Monmouth. Newport ..	9	9	9	265	56·4	43·6	50·0	−0·2	81 23	50·7	51·1	42·72	1085	—	1·98	15 July	186	141	—	—	—	—	16	—	—	3·94	—	32
Usk	9	9	9	70	57·1	40·7	48·9	0·0	88 13	52·5	—	42·84	1088	—	1·85	5 Jan.	152	140	10	8	2	9	13	86	0	3·59	*96*	29
Somerset. Bath .. ¶§	9	9	9	67	57·7	43·8	50·7	+0·6	85 21	52·2	52·6	32·44	829	108	1·99	15 July	176	132	16	7	3	21	15	—	0	3·92	*93*	32
Cannington ..	9	9	9	95	57·6	44·1	50·9	—	81 22	—	—	36·18	919	—	1·79	14 July	197	142	14	6	7	15	13	72	7	3·94	—	32
Long Ashton ..	9	9	9	162	57·2	43·0	50·1	+0·1	84 21	—	—	35·24	895	103	2·32	15 July	194	135	20	7	8	15	22	89	0	3·99	*94*	33
Dorset. Holton Heath ..	9	9	9	64	57·5	43·2	50·3	+0·2	81 23	52·8	53·6	42·84	1088	—	2·21	16 Sept.	176	133	14	6	6	12	73	1	—	—	—	—
Portland Bill ..	18–7		7	32	55·1	48·4	51·7	+0·2	74 31	—	—	36·86	936	146	3·07	15 July	166	131	6	0	1	7	6	—	1	—	—	—
Shaftesbury ..	9	9	9	722	55·2	43·2	49·2	+0·7	81 24	—	—	36·91	938	113	1·21	1 Dec.	190	152	23	23	3	10	—	—	—	—	—	—
Devon. Cullompton ¶§	9	9	9	202	57·1	42·6	49·9	−0·2	81 21	52·4	—	41·24	1047	117	1·29	17 Jan.	182	156	14	7	3	22	18	97	—	3·90	89	32
Ilfracombe ..	9	9	9	25	56·6	47·5	52·1	+0·5	75 29	53·3	54·3	37·46	951	104	·98	2 Feb.	181	146	7	2	3	2	0	7	—	4·24	*100*	35

† Plant Breeding Station.

¶§S 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 1937.

District, County and Place.		Terminal Hours of Observation. Max.	Min.	Rain.	Height of Station above Mean Sea Level.	Air Temperature in Degrees Fahrenheit. Means of A Max.	B Min.	Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates *see* Table V.		Earth Temperature. 1 ft.	4 ft.	Rainfall. Total Fall.		Percentage of Average.	Most in a day. Amount.	Date.	Weather. Number of days. Precip'n. 0·2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.).	Ground Frost.	Gale.	Bright Sunshine. Percentage Daily Mean.	of Average.	of Possible.
8*b*. ENGLAND, S.W.—*cont.*		G. M. T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	%	in.											hr.	%	%
Devon	Killerton ..	9	9	9	159	58·3	43·3	50·8	+0·7	81	23	—	—	40·02	1016	—	1·60	24 Oct.	179	150	—	—	—	—	10	75	—	—	—	—
—*cont.*	Moretonhampstead.	9	9	9	798	54·6	43·0	48·9	—	76	25	49·9	49·7	52·97	1345	—	1·53	25 Feb.	197	154	35	15	16	7	14	80	4	4·00	—	33
	Newton Abbot ..	9	9	9	375	57·5	44·4	50·9	+0·2	79	27	—	—	43·36	1101	125	1·14	24 Oct.	184	144	19	9	9	10	12	40	—	4·02	91	33
	Paignton ..	9	9	9	12	57·8	45·5	51·7	+0·5	78	26	—	—	44·13	1121	—	1·25	12 Aug.	175	137	14	3	13	12	4	57	—	4·37	94	36
	Plymouth (Hoe)	21	21	9	117	57·3	46·3	51·8	+0·6	81	26	52·8	53·2	41·36	1051	113	·97	24 Oct.	184	144	11	4	11	3	20	44	9	4·25	93	35
	Plymouth (Mount Batten)	18—	7	7	82	56·8	47·2	52·0	+0·7	82	29	—	—	40·56	1030	—	·86	7 Feb.	189	142	10	3	14	6	5	29	18	4·17	92	34
	Princetown ..	9	9	9	1430	52·5	41·3	46·9	+0·6	78	23	—	—	79·09	2009	97	2·75	2 Feb.	202	181	19	13	5	0	122	51	—	—	—	—
	Sidmouth ..	9	9	9	25	57·0	45·4	51·2	+0·9	77	26	—	—	35·31	897	—	1·06	8 May	179	136	16	4	4	12	5	—	—	4·12	—	34
	Tavistock ..	9	9	9	457	56·5	43·9	50·2	+0·5	82	23	—	52·6	49·95	1269	105	1·61	2 Feb.	200	158	14	5	26	9	7	79	12	—	—	—
	Teignmouth ..	9	9	9	20	57·7	46·6	52·1	+0·5	78	29	—	—	40·07	1018	126	1·15	31 Oct.	174	120	14	4	6	8	4	—	—	4·21	90	34
	Torquay ..	9	9	9	27	57·5	46·1	51·8	+0·1	79	27	—	53·6	41·04	1042	124	1·10	22 June	174	133	12	4	9	13	5	34	6	4·53	94	37
Cornwall.	Falmouth Obs. ¶§	9	9	9	167	57·5	47·4	52·5	+1·2	76	27	53·9	54·8	43·28	1099	99	1·23	2 Feb.	183	141	5	0	24	5	8	40	—	4·33	92	35
	Fowey	9	9	9	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gulval	9	9	9	20	57·9	47·2	52·5	+0·8	78	30	—	—	43·70	1110	—	1·35	13 Mar.	184	144	11	0	13	6	—	38	—	4·09	88	34
	The Lizard ..	18—	7	7	240	56·5	47·8	52·1	—	73	31	—	—	36·69	932	—	1·44	13 Mar.	198	165	6	0	14	8	21	—	20	—	—	—
	Newquay ..	9	9	9	182	56·3	46·8	51·5	+0·8	79	27	52·7	53·0	33·23	844	100	1·21	29 Oct.	183	143	3	0	22	9	9	—	11	4·09	89	34
	Redruth ..	9	9	9	397	55·9	45·7	50·8	+0·6	76	30	—	—	49·36	1253	109	1·42	2 Feb.	215	161	6	1	16	5	11	58	10	—	—	—
9. IRELAND, N.																														
Sligo.	Markree Cas. ¶§	21	21	9	122	54·9	41·4	48·1	0·0	79	19	50·4	50·2	40·61	1031	93	1·75	2 July	242	197	19	22	22	11	8	—	9	3·22	95	26
Mayo.	Blacksod Pt. ¶	18—	7	7	18	(53·9)	(44·0)	(48·9)	(−1·3)	77	(29)	—	—	49·63	1261	100	1·52	23 Dec.	242	196	9	0	35	4	3	—	25	—	—	—
	Mallaranny §	9	9	9	113	54·7	44·3	49·5	−0·2	79	27	—	—	59·30	1506	—	1·74	2 July	237	206	—	—	—	—	0	—	—	3·29	96	27
Donegal.	Malin Head ¶§	18—	7	7	84	52·5	45·3	48·9	+0·3	75	29	—	—	35·56	903	—	1·51	2 July	234	171	13	0	46	8	3	—	1	2·98	82	25
Antrim.	Aldergrove ..	18—	7	7	238	53·6	42·0	47·8	—	78	19	—	—	34·49	876	105	1·26	2 July	218	145	38	16	10	5	13	78	1	3·21	—	26
Down.	†Donaghadee ..	8	8	8	30	53·8	43·5	48·7	+0·6	72	28	—	—	34·61	879	110	1·12	25 Oct.	216	147	—	—	—	—	5	—	—	3·34	—	27
	Hillsborough ..	9	9	9	388	52·7	41·4	47·1	—	78	22	48·9	—	34·88	886	—	1·03	18 Nov.	213	157	27	36	4	2	8	82	2	3·34	—	27
Armagh.	Armagh .. ¶§	21	21	9	204	54·9	42·0	48·5	+0·2	79	21	49·6	49·7	30·66	779	97	·90	13 Aug.	204	151	19	14	5	3	8	72	2	2·95	84	24
Longford.	Newtownforbes	21	21	9	154	54·5	41·0	47·7	−0·2	76	21	48·0	49·5	35·95	913	96	1·11	22 May	171	166	13	6	7	1	—	—	—	—	—	—
10. IRELAND, S.																														
Dublin.	Dublin Glasnevin	21	21	9	55	56·0	41·8	48·9	−0·2	79	21	—	—	31·31	795	112	1·29	25 Oct.	206	137	19	1	8	5	43	(79)	1	—	—	—
	,, Phoenix Pk. §	21	21	9	155	55·4	41·5	48·5	+0·2	79	20	—	—	28·69	729	103	2·18	25 Oct.	211	134	16	20	9	7	24	97	3	3·33	85	27
	,, Trin. Coll. ..	21	21	9	13	55·9	44·9	50·4	+0·3	77	25	50·9	50·9	29·22	742	112	1·51	25 Oct.	192	126	16	2	6	3	—	54	3	—	—	—
	Hazelhatch .. (Peamount San.)	9	9	9	366	55·7	40·5	48·1	—	82	20	—	50·1	27·11	689	—	2·20	11 Mar.	164	123	—	—	—	—	—	—	—	3·28	—	27
	Rathfarnham ..	9	9	9	169	55·5	43·3	49·4	—	77	21	49·3	—	34·30	871	—	1·62	25 Oct.	201	141	20	10	7	5	7	74	—	3·47	—	28
Wicklow.	Newcastle ..	21	21	9	256	56·5	42·9	49·7	+0·6	79	25	—	—	41·32	1049	—	1·16	11 Mar.	211	149	12	8	1	1	4	—	—	—	—	—
Offaly.	Birr Castle ¶§	18—	7	7	173	55·1	42·2	48·7	−0·2	79	19	49·6	50·1	34·66	880	107	1·27	30 Sept.	209	155	17	3	4	3	14	71	0	3·13	87	26
Waterford.	Seskin, Carrick-on-Suir.	9	9	9	535	54·0	42·5	48·3	−0·4	78	24	—	—	47·95	1218	—	1·40	22 Oct.	215	158	11	8	2	9	13	103	22	3·44	86	28
	Waterford ¶	9	9	9	137	55·9	43·9	49·9	0·0	78	25	—	—	42·08	1069	108	1·42	6 Mar.	200	147	4	0	3	5	103	—	12	—	—	—
Limerick.	Foynes ..	9	9	9	43	55·9	44·2	50·1	+0·2	77	25	—	—	36·41	925	92	1·12	22 July	207	168	—	—	—	—	—	—	—	—	—	—
Kerry.	Valentia Obs. ¶§	24	24	24	30	54·9	46·4	50·7	0·0	71	27	51·9	52·0	63·96	1625	115	1·72	2 July	242	195	11	2	45	7	1	35	32	3·56	95	30
		18—	7	—	—	55·1	46·3	50·7	−0·4																					
Cork.	Ballinacurra §	9	9	9	24	56·2	43·4	49·8	−0·1	75	26	—	—	42·01	1067	104	1·80	22 Oct.	203	156	9	1	5	1	—	—	—	3·57	90	29
	Cork	9	9	9	57	57·2	43·3	50·3	+0·2	77	24	—	—	41·97	1066	105	1·23	22 Oct.	196	154	7	4	1	1	3	78	—	3·55	—	29
	Roche's Pt. ¶	18—	7	7	22	55·0	46·6	50·8	−0·1	70	29	—	—	44·98	1143	107	1·68	22 Oct.	225	166	10	2	8	2	14	—	11	—	—	—
11. CHANNEL ISLES AND SCILLY.																														
Scilly.	St. Mary's ¶§	18—	7	7	163	56·7	49·1	52·9	+0·7	76	35	—	—	37·29	947	117	1·99	1 Oct.	209	148	4	0	26	4	16	—	25	4·49	96	37
Guernsey.	St. Peter Port ¶§	18—	7	7	175	57·2	48·8	53·0	+0·9	82	32	54·1	54·3	43·32	1100	131	1·29	10 Dec.	202	163	6	1	15	7	1	17	6	4·71	91	39
Jersey.	St. Heliers ¶§	9	9	9	28	57·9	49·0	53·5	+1·0	89	33	—	—	37·68	957	112	1·02	4 Feb.	176	137	2	0	4	5	8	—	—	4·72	93	39
GIBRALTAR		18—	7	7	393	67·1	58·3	62·7	−1·8	92	42	—	—	34·55	877	—	2·20	21 Oct.	92	73	0	0	1	11	6	0	9	—	—	—
MALTA		18—	7	7	231	70·9	61·5	66·2	+0·4	95	43	—	—	16·69	424	92	·98	8 Sept.	65	50	0	0	8	28	0	—	9	8·21	102	68

¶§ **S** See Notes on Tables on page 183 of this issue.

† Sunshine recorder is at Mount Stewart.

TABLE III (*a*).—RIVER TEMPERATURE.

Place.	River.	Hour.	Highest.	Lowest.	Mean.
			°F.	°F.	°F.
Attenborough	Trent ..	7	70·0	35·0	52·4
	,, ..	18	71·0	36·0	53·1

TABLE III (*b*).—SKY OBSERVATIONS, THE YEAR 1937.

Weather Diary. Royal Observatory, Greenwich.		Number	Night Sky Recorder.**	Greenwich	Porton.
Persistently overcast days	..	19	Recorder in operation on ..	362 nights	345 nights
,, cloudless ,,	..	0	Average exposure (hours) ..	9·41	8·99
,, foggy ,,	..	0	Polaris unobscured (per cent.)	40	45
			§ Ursæ Minoris (ditto) ..	35	35

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

TABLE III (*c*).—SOLAR RADIATION.

Direct Solar Radiation, Kew Observatory.	
	Cal./cm.²/diem.
Max. (7 June)	868
Mean ..	139

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1937.

District. County and Place.	Hour of Observation.	Height of Barometer above Mean Sea Level.	Mean Pressure. At Mean Sea Level.	Mean Pressure. Difference from Average	Temperature and Humidity. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Cloud Amount. Mean Amount.	Cloud Amount. No. of Observations. 0	1 to 3	4 to 6	7 to 9	10	Visibility. Number of Observations. Fog 0	1	2	3	Mist. Poor Vis. 4	5	Mod. Vis. 6	Good Visibility. 7	8	9	Wind, Number of Observations. Force (0–12). 8 or more.	6 to 7	4 to 5	1 to 3	Calm.	Direction. N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0. SCOTLAND, N.	GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%																												
Shetlands. Lerwick ..	1	160	1010·2	—	44·8	1·1	9·5	91	8·0	0	23	68	128	146	2	3	0	3	6	7	40	78	226	0	30	47	121	154	13	61	19	22	32	83	56	40	39
	7	160	1010·0	+0·7	45·0	1·3	9·4	89	8·3	0	14	53	164	134	0	4	2	2	2	11	46	69	228	1	30	54	117	155	9	60	24	26	33	74	61	34	44
	13	160	1010·0	—	46·8	1·8	9·6	86	8·3	0	9	53	192	111	0	2	3	1	1	10	40	57	251	0	36	55	130	143	1	41	31	20	49	91	66	35	41
	18	160	1010·1	—	46·0	1·5	9·5	88	8·1	0	17	65	163	120	0	5	1	2	3	6	40	63	242	3	29	52	128	153	3	50	30	17	36	92	60	38	39
Orkneys. Deerness ..	9	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrides. Stornoway..	1	83	1009·4	—	45·6	1·5	9·3	88	7·4	5	50	68	118	124	0	0	0	0	1	3	28	144	182	7	10	61	114	168	12	40	19	23	45	77	64	46	39
	7	83	1009·3	−0·6	46·3	1·7	9·4	87	7·9	3	20	74	152	116	0	0	1	3	1	2	21	88	213	36	14	72	118	154	7	35	17	27	46	90	63	34	46
	13	83	1009·6	—	49·3	3·0	9·6	79	8·1	2	21	64	162	116	0	0	0	0	0	5	22	56	205	77	10	86	146	114	9	25	27	30	60	85	53	37	39
	18	83	1009·4	—	47·9	2·5	9·5	81	8·0	5	28	61	144	127	0	0	0	0	0	1	27	90	194	53	12	69	146	126	12	35	37	29	40	76	58	39	39
Caithness. Wick ..	1	79	1009·8	—	44·5	1·0	9·4	92	7·9	0	38	51	123	153	0	1	3	0	5	*12*	*44*	*57*	*243*	0	24	16	88	233	4	29	12	10	46	71	58	57	78
	7	79	1009·5	−0·7	44·9	1·2	9·4	91	8·1	0	29	43	140	153	1	5	4	*1*	3	*10*	*34*	*59*	*248*	0	26	15	86	228	10	26	13	14	49	67	62	57	67
	13	79	1009·8	—	48·3	2·3	9·9	84	8·2	0	11	46	188	120	0	1	3	0	2	9	*33*	*54*	*261*	2	17	29	116	203	0	26	15	21	56	103	36	42	66
	18	79	1009·7	—	46·9	1·8	9·7	87	8·1	0	13	42	187	123	0	3	1	0	3	*12*	*34*	*69*	*239*	4	19	29	106	210	1	28	19	23	58	78	42	43	73
Inverness. Dalwhinnie†	7	1180	968·0	—	40·9	1·5	7·9	87	8·2	6	35	28	98	198	0	1	1	3	4	15	54	188	99	0	1	21	70	233	40	45	46	9	17	91	83	19	15
	13	1180	968·1	—	46·9	3·4	8·5	76	8·4	2	29	35	108	191	1	0	0	3	2	5	39	152	163	0	2	20	110	213	20	41	42	7	16	88	93	32	26
	18	1180	968·0	—	44·6	2·6	8·3	80	8·0	4	36	44	102	179	1	0	1	3	5	8	50	155	142	0	4	15	87	239	20	31	43	8	26	84	90	31	22
Inverness ..	9	250	1010·8	—	46·3	1·9	9·5	85	5·2	0	77	214	57	17	0	0	*1*	0	0	*8*	27	9	50	*270*	0	1	48	304	12	6	37	25	72	34	125	29	25
	17	250	1010·3	—	48·6	2·2	10·2	84	5·4	0	59	235	58	13	0	*1*	1	0	0	*3*	21	9	55	*275*	0	5	53	307	0	12	54	36	60	36	104	33	30
1. SCOTLAND, E.	7	85	1010·5	−1·1	45·3	2·1	8·9	84	7·0	5	76	41	142	101	0	2	1	9	13	20	109	*86*	122	*3*	0	7	83	244	31	30	9	19	28	68	53	26	101
Aberdeen. Aberdeen **H**	13	85	1010·6	−1·1	49·5	3·7	9·2	75	7·0	1	73	54	140	97	0	0	0	4	8	17	107	96	124	9	0	13	132	211	9	36	18	39	48	91	34	17	73
	18	85	1010·6	−1·1	48·0	2·9	9·2	79	6·9	2	81	49	139	94	0	1	3	2	13	37	109	*103*	93	4	0	12	84	254	15	40	20	31	43	88	33	28	67
	21	85	1010·9	−1·1	46·3	2·2	9·1	83	6·5	27	85	33	98	122	0	0	4	11	6	26	128	*123*	67	0	0	8	56	267	34	31	7	23	39	75	38	31	87
	h.*	85	1010·6	−1·2	46·8	2·6	9·1	81																												
Braemar‡ ..	9	1108	1011·3	—	43·5	2·3	8·2	82	7·6	22	32	50	82	179	*0*	*0*	*1*	*3*	*12*	*34*	*121*	*155*	*39*	*0*	0	14	38	236	77	21	28	33	8	23	96	47	32
Perth. Crieff ..	9	482	1010·4	—	46·2	2·6	8·9	80	7·6	9	51	47	81	177	—	—	—	—	—	—	—	—	—	—	3	10	63	286	0	31	26	89	17	33	49	98	22
	21	482	1010·4	—	45·5	2·0	8·9	84	7·2	31	49	39	51	195	—	—	—	—	—	—	—	—	—	—	4	14	41	306	0	31	31	91	15	32	49	92	24
Fife. Leuchars **H**	7	36	1010·8	—	44·3	1·6	9·0	87	7·3	11	53	59	118	124	0	6	5	1	14	22	77	84	*94*	*62*	0	4	46	262	53	17	21	39	23	20	68	82	42
	13	36	1010·8	—	51·0	3·9	9·7	74	7·6	3	43	66	141	112	0	0	1	2	11	17	81	78	*109*	*66*	0	5	92	252	16	27	24	88	35	24	50	67	34
	18	36	1010·7	—	48·7	3·1	9·5	79	7·1	7	63	58	133	104	0	0	0	3	7	13	75	78	*123*	*66*	0	12	73	253	27	23	26	85	41	25	48	62	28
Mid Lothian. Edinburgh (Blackford Hill)	9	441	1011·3	—	46·5	2·5	9·1	81	7·3	3	60	69	91	142	0	16	5	15	32	63	164	*65*	5	0	2	20	102	221	20	23	48	27	34	35	74	66	38
	21	441	1011·2	—	45·9	2·1	9·1	83	7·3	20	59	30	91	165	0	11	4	8	36	85	155	*32*	*34*	0	1	15	67	215	67	12	27	33	31	47	49	81	18
6*a*. SCOTLAND, W.																																				
Argyll. Tiree ..	7	40	1009·6	—	47·4	2·0	9·7	85	7·3	4	41	59	182	79	0	1	0	0	1	4	43	121	*145*	50	5	44	157	144	15	62	28	25	47	71	41	41	35
	13	40	1010·0	—	50·7	3·2	10·0	77	7·3	1	58	55	173	78	0	0	0	0	0	4	51	83	*150*	77	3	56	163	140	3	64	26	22	47	64	51	47	41
	18	40	1009·8	—	48·9	2·6	9·7	81	7·1	3	62	51	156	93	0	0	1	1	0	9	66	69	*149*	70	4	47	144	163	7	66	23	25	44	58	43	48	51
Bute. Rothesay ..	9	187	1010·4	—	47·7	2·1	9·7	84	6·9	1	65	59	155	85	0	0	1	0	*13*	*17*	135	*48*	*151*	0	9	23	165	157	11	23	15	103	31	63	19	30	70
	21	187	1010·3	—	46·6	1·8	9·6	86	6·8	1	80	61	114	109	0	3	7	0	7	37	47	*152*	*112*	0	14	24	147	148	32	34	8	67	30	47	22	32	93
Renfrew. Renfrew (Abbotsinch)	7	24	1010·9	—	44·3	1·3	9·3	89	7·3	21	49	48	95	152	3	8	9	12	28	61	85	59	66	*34*	0	5	59	227	74	6	39	56	17	26	59	66	22
	13	24	1010·9	—	51·7	4·1	9·9	73	7·8	7	35	44	150	129	0	1	7	16	11	50	69	46	78	*87*	0	9	117	216	23	18	37	55	12	28	68	74	50
	18	24	1010·7	—	49·5	3·2	9·8	78	7·1	17	56	50	120	122	0	3	6	13	22	53	67	53	86	*62*	0	5	94	236	30	14	29	60	22	24	67	80	39
Dumfries. Eskdalemuir‡‡ **H**	7	778	1011·3	—	42·5	1·3	8·6	89	7·7	8	50	41	97	169	0	6	10	13	13	33	*103*	*76*	*100*	*12*	0	19	74	204	68	47	56	21	14	53	50	27	29
	13	778	1010·8	—	49·1	3·6	9·3	76	8·0	2	34	45	141	143	0	1	3	1	7	18	*92*	*93*	*143*	7	2	30	135	189	9	46	44	26	24	60	86	42	28
	18	778	1010·9	—	46·6	2·5	9·3	82	7·3	2	65	45	132	121	0	3	6	4	10	21	*99*	*89*	*126*	7	1	24	109	210	21	46	44	27	20	51	80	46	30
	21	778	1011·5	—	43·5	1·5	8·8	88	7·0	12	72	43	93	145	0	4	2	5	11	33	*110*	*89*	*110*	5	1	14	85	214	50	72	44	10	17	55	55	31	31
	h.*	778	1011·2	—	44·7	2·0	8·9	85																												
6*b*. ISLE OF MAN.																																				
Isle of Man. Douglas **H**	9	286	1011·5	−2·2	48·5	2·1	10·2	84	6·5	9	27	112	198	19	0	0	8	5	1	26	*198*	67	60	0	1	101	172	86	5	27	45	55	47	31	39	58	58
Point of Ayre ..	7	31	1011·0	—	48·1	1·2	10·7	91	7·3	8	62	33	136	26	0	1	0	7	2	1	21	*114*	*219*	0	3	50	139	153	20	34	21	48	23	70	36	59	54
	13	31	1011·3	—	52·5	2·5	11·5	85	7·2	11	60	38	148	108	0	0	0	0	1	4	25	*97*	*237*	1	5	42	151	163	4	44	23	34	35	67	31	58	69
	18	31	1011·0	—	50·7	2·0	11·1	86	6·9	9	72	50	133	101	0	1	0	0	2	0	34	*79*	*249*	0	2	48	151	148	16	49	16	35	26	52	43	57	71
2. ENGLAND, N.E.																																				
Northumberland. Cockle Park	9	331	1011·5	—	46·9	2·2	9·5	84	7·8	5	41	47	107	165	0	4	6	9	20	*41*	94	*24*	117	50	1	17	61	223	63	44	13	21	43	31	43	65	42
	21	331	1011·7	—	45·2	1·5	9·3	87	7·5	12	57	41	69	186	1	15	4	12	29	55	113	*24*	74	*38*	2	17	54	187	105	38	9	13	36	31	42	43	48
Tynemouth ..	1	122	1011·2	—	46·6	1·6	9·7	87	7·3	11	55	72	68	159	0	1	2	11	12	13	148	*154*	24	0	9	7	44	293	12	44	11	22	26	50	57	109	34
	7	122	1011·0	−1·7	46·2	1·7	9·6	87	7·5	2	42	81	109	131	0	2	5	14	21	31	155	*107*	30	0	5	10	52	285	3	49	14	21	21	52	61	111	33
	13	122	1011·2	—	49·9	3·0	10·0	80	7·7	0	20	92	152	101	0	1	7	17	15	25	117	*017*	76	0	6	13	81	265	0	62	35	24	67	40	40	73	24
	18	122	1011·0	—	49·2	2·6	9·9	81	7·5	0	29	99	123	114	0	2	3	10	12	26	142	*107*	62	1	7	12	71	274	1	55	39	27	63	45	48	70	17

* Mean of hourly readings. † Pressure at Station Level. ‡ Mean pressure at Station Level is 969·9 mb. ‡‡ Mean pressures at Station Level are 982·5 mb. at 7 h., 982·4 mb. at 13 hr., 982·3 mb. at 18 hr., and 982·8 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 1937.

District, County and Place.	Hour of Observation.	Height of Barometer above Mean Sea Level.	Mean Pressure. At Mean Sea Level.	Mean Pressure. Difference from Average	Temperature and Humidity. Dry Bulb.	Temperature and Humidity. Depression of Wet Bulb.	Temperature and Humidity. Vapour Pressure.	Temperature and Humidity. Relative Humidity.	Cloud Amount. Mean Amount.	Cloud Amount. No. of Observations. 0	1 to 3	4 to 6	7 to 9	10	Visibility. Number of Observations. Fog 0	Fog 1	Fog 2	Fog 3	Mist, Poor Vis. 4	Mod. Vis. 5	Good Visibility. 6	7	8	9	Wind, Number of Observations. Force (0–12). 8 or more.	6 to 7	4 to 5	1 to 3	Calm.	Direction. N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2. ENGLAND, N.E.—*cont.*	GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%																													
Durham. Durham ..	9	352	1011·8	—	47·6	2·3	9·8	84	7·4	25	44	45	57	194	0	9	14	16	59	60	88	69	50	0	1	5	26	278	55	48	20	21	13	81	37	49	41
	21	352	1011·9	—	46·0	1·5	9·8	89	7·0	56	42	23	33	211	1	8	6	5	23	66	125	108	*23*	0	0	2	19	258	86	40	24	24	12	53	52	44	30
Yorks., Catterick **H**	7	186	1011·6	—	45·0	1·6	9·4	88	7·6	3	59	37	115	151	0	11	13	17	26	24	*80*	95	*89*	*10*	0	1	48	256	60	38	14	9	36	78	26	35	69
N. Riding.	13	186	1011·4	—	51·9	4·3	9·9	73	8·1	4	32	35	165	129	0	2	3	4	8	29	*101*	90	*105*	*23*	0	4	81	246	34	43	40	13	37	65	43	50	40
	18	186	1011·3	—	49·7	3·1	10·0	79	7·3	17	44	52	130	122	0	2	4	18	23	30	*85*	85	*90*	*18*	0	0	55	262	48	39	44	13	33	47	40	56	45
Scarborough ..	9	96	1011·5	—	50·0	2·8	10·2	81	6·1	0	133	40	133	59	0	10	12	4	31	30	144	79	*55*	*0*	3	8	63	291	0	27	15	7	60	33	63	54	106
York	9	53	1012·5	—	48·3	2·6	9·7	82	7·3	26	55	33	69	182	—	—	—	—	—	—	—	—	—	—	0	0	4	356	5	96	8	12	17	103	14	70	40
	21	53	1012·4	—	48·0	2·2	9·9	84	6·2	74	58	13	48	172	—	—	—	—	—	—	—	—	—	—	0	0	4	349	12	92	9	23	20	96	13	80	20
Yorks.,	1	28	1011·6	—	47·3	0·8	10·9	93	6·9	39	47	53	72	154	*1*	*8*	7	12	6	*17*	*87*	194	33	*0*	4	46	139	160	16	32	18	31	42	56	48	56	66
E. Riding. Spurn Head	7	28	1011·5	−1·9	47·5	0·9	10·8	93	7·7	10	35	45	109	166	*1*	*10*	10	12	14	*26*	*112*	153	27	*0*	4	48	145	152	16	32	30	26	36	55	40	55	75
	13	28	1011·8	—	51·9	2·2	11·6	85	8·0	5	20	51	154	135	*0*	*5*	4	13	16	*21*	*107*	170	29	*0*	4	58	134	162	7	39	38	48	59	37	46	35	56
	18	28	1011·5	—	49·6	1·3	11·4	90	7·8	9	29	53	139	135	*1*	*7*	1	6	14	*20*	*121*	155	40	*0*	7	52	128	173	5	48	40	41	76	41	39	34	41
Lincoln. †Cranwell **H**	7	208	1012·4	—	45·1	1·1	9·9	92	7·7	10	47	37	114	157	0	33	9	15	*27*	*47*	*125*	81	*26*	*2*	0	1	65	275	24	31	20	23	44	34	61	74	54
	13	208	1012·3	—	53·1	4·2	10·4	75	8·1	3	29	42	173	118	0	1	3	4	*15*	*34*	*98*	117	*77*	*16*	0	4	120	233	8	39	29	26	51	43	61	58	50
	18	208	1012·1	—	50·7	3·0	10·6	81	7·6	12	48	36	147	122	1	8	2	9	*19*	*33*	*88*	116	*68*	*21*	0	8	78	265	14	35	35	48	41	49	44	68	31
3. ENGLAND, E.																																					
Norfolk. Cromer **H**	9	74	—	—	50·0	2·1	10·9	86	7·2	13	14	139	75	124	0	0	9	12	4	20	*305*	*15*	*0*	*0*	0	22	68	274	1	64	16	37	45	80	24	44	54
	1	26	1012·4	—	47·8	1·3	10·5	90	6·7	60	36	41	87	141	0	4	4	3	5	25	*152*	*165*	7	*0*	1	18	78	246	22	32	26	28	36	45	73	65	38
Yarmouth ..	7	26	1012·3	−1·9	47·9	1·7	10·3	88	7·7	11	37	53	117	147	0	8	3	6	*8*	41	*224*	*74*	1	*0*	0	18	99	230	18	33	33	17	41	51	54	71	47
	13	26	1012·5	—	52·4	3·3	10·8	78	7·7	4	27	73	159	102	0	0	7	3	*8*	30	*230*	*87*	0	*0*	1	21	156	181	6	60	41	22	77	35	38	39	47
	18	26	1012·3	—	51·3	3·0	10·6	79	7·6	12	28	76	123	126	0	0	2	5	*4*	34	*242*	*77*	1	*0*	1	16	105	226	17	45	38	35	54	64	33	39	40
Suffolk. Felixstowe	7	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aero.	13	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
††Mildenhall ..	7	40	1012·4	—	46·3	1·1	10·4	92	7·7	15	48	29	115	158	1	19	8	17	28	41	*112*	71	*68*	*0*	0	7	84	255	19	33	30	25	40	51	58	64	45
	13	40	1012·3	—	54·6	4·5	10·9	74	7·8	8	36	43	158	120	0	2	1	5	6	34	*87*	73	*147*	*10*	0	15	157	187	6	41	36	20	40	43	63	65	51
	18	40	1012·1	—	52·0	3·0	11·0	80	7·0	16	71	38	116	124	2	3	2	4	17	40	*97*	70	*123*	*7*	0	6	98	254	7	39	44	32	48	41	61	55	38
Cambridge. Cambridge **H**	9	43	1012·8	−2·3	50·2	2·7	10·7	83	7·0	33	46	54	71	161	—	—	—	—	—	—	—	—	—	—	0	2	31	315	17	27	58	14	34	33	75	37	70
	21	43	1012·9	−2·1	48·3	1·9	10·5	87	5·4	122	34	24	39	146	—	—	—	—	—	—	—	—	—	—	0	1	25	295	44	25	42	21	51	36	62	35	49
Hertford. Rothamsted ..	9	396	1012·8	—	48·7	2·2	10·2	85	7·2	16	61	41	127	120	2	11	1	*18*	8	*116*	*209*	0	0	0	0	1	36	298	30	48	39	25	32	49	32	60	50
Essex. Shoeburyness **H**	7	12	1012·9	—	48·2	1·7	10·6	88	7·3	17	59	29	124	136	1	10	5	5	34	43	108	72	87	0	0	6	61	277	21	59	18	23	23	45	50	67	59
	13	12	1012·8	—	54·8	4·2	11·3	75	7·7	9	36	48	172	100	0	1	1	3	16	19	111	71	143	0	0	4	106	252	3	29	38	50	41	45	62	49	48
	18	12	1012·6	—	52·0	3·0	11·1	81	7·1	18	59	44	141	103	0	1	2	7	20	32	88	81	129	5	0	6	77	268	14	33	36	47	36	46	63	47	43
4. MIDLAND COUNTIES.																																					
Yorks., Harrogate ..	9	478	1012·2	—	47·3	2·4	9·5	83	7·5	14	62	19	123	147	1	20	*17*	27	34	83	45	*64*	38	36	1	4	30	315	15	47	19	21	24	64	100	61	14
W. Riding																																					
Nottingham. Nottingham	9	215	1012·0	—	48·7	2·9	9·7	80	7·6	24	31	52	79	179	4	12	31	32	86	23	154	22	*1*	*0*	0	0	32	333	0	49	34	47	11	45	34	124	21
Warwick. Birmingham **H**	7	542	1012·6	—	45·6	1·5	9·7	89	7·5	23	43	30	108	161	3	13	13	19	62	64	83	42	*66*	*0*	0	0	43	303	19	38	42	27	32	56	50	44	57
	13	542	1012·3	—	51·9	4·3	9·9	73	7·7	10	33	55	139	128	0	3	6	14	51	52	97	50	*92*	*0*	0	0	79	280	6	34	34	34	25	60	67	44	61
	18	542	1012·2	—	51·3	4·1	9·9	75	6·9	22	58	49	120	116	0	0	4	10	35	69	114	44	*89*	*0*	0	1	66	294	4	45	39	38	28	55	59	45	52
Oxford. Oxford ..	9	212	1013·2	−2·4	49·4	2·9	9·9	81	7·1	16	77	28	73	171	0	15	6	10	33	37	121	52	89	2	0	8	64	280	13	45	55	22	31	47	61	54	37
Shropshire. Shrewsbury **H**	9	186	1012·5	—	48·7	2·4	10·2	84	7·5	14	26	89	65	171	1	6	8	5	20	20	82	7	216	*0*	1	6	110	160	88	29	6	30	29	65	17	80	21
	7	226	1012·4	—	46·3	1·6	9·9	88	7·5	9	68	21	114	153	0	*15*	12	17	36	33	70	79	97	6	0	1	47	289	28	34	27	41	18	50	90	59	18
Hereford. Ross-on-Wye **H**	13	226	1012·1	—	53·8	4·7	10·4	71	7·5	3	52	60	134	116	0	*3*	3	3	25	27	70	92	119	*23*	0	1	103	260	1	34	38	44	17	38	84	70	39
	18	226	1012·0	—	52·1	3·8	10·5	76	6·7	15	78	48	120	104	0	*2*	5	9	22	42	78	72	124	*11*	0	3	74	286	2	39	33	51	26	40	78	64	32
	21	226	1012·6	—	48·6	2·2	10·3	84	6·0	27	117	17	78	126	0	5	6	10	41	42	105	53	95	8	0	1	49	288	27	25	41	41	18	48	90	60	15
Gloucester. Cheltenham	9	230	1013·3	—	50·3	3·0	10·1	79	7·5	4	40	71	122	128	0	*1*	1	18	19	80	27	174	*45*	0	0	2	2	325	36	32	18	9	17	38	62	96	57
	21	230	1013·3	—	49·2	2·1	10·5	85	7·0	13	32	95	119	106	0	*1*	1	5	13	22	71	220	*32*	0	0	3	4	343	15	27	18	9	11	31	74	93	87
5. ENGLAND, S.E.																																					
London. *g*Greenwich **H**	9	152	1013·2	−2·5	50·8	3·0	10·7	81	7·4	21	53	25	115	151	7	4	7	23	70	74	128	44	8	0	0	1	99	232	33	53	40	26	18	36	73	62	24
	15	152	1012·3	−2·6	55·9	5·4	10·8	69	7·7	4	46	46	139	130	1	1	7	9	39	67	138	58	45	0	0	2	139	206	18	55	31	34	20	48	77	47	35
	21	152	1013·1	−2·5	49·3	2·3	10·5	84	6·1	66	70	14	70	145	2	2	3	20	14	63	212	26	23	0	0	1	91	256	17	41	35	45	25	61	74	35	32
	h.*	152	1012·8	−2·6	50·5																																
	7	34	1013·0	−2·5	47·9	1·8	10·3	87	7·7	16	45	26	126	152	1	27	6	4	9	74	142	58	43	*1*	0	1	38	296	30	35	49	30	23	37	78	54	29
Kew Observatory **H**	13	34	1012·7	−2·5	55·1	5·1	10·5	69	7·8	13	31	46	153	122	0	7	7	6	18	62	104	73	87	*1*	0	1	107	254	3	43	48	25	18	59	76	54	39
	18	34	1012·5	−2·6	53·9	4·6	10·6	73	7·4	22	42	37	142	122	5	3	0	7	18	67	127	59	79	*0*	0	0	63	289	13	43	39	31	22	55	69	54	39
	21	34	1013·1	−2·5	50·5	2·7	10·7	82	6·7	49	45	31	105	135	4	13	2	4	19	38	129	85	70	*1*	0	1	43	299	22	37	40	37	32	51	75	40	31
	h.*	34	1012·8	−2·6	50·9	3·1	10·6	80																													
Kensington ..	9	66	1013·1	—	50·6	2·8	10·5	81	7·4	20	32	61	98	154	0	4	15	20	79	*110*	116	6	*12*	*3*	0	0	12	353	0	32	76	19	25	26	77	46	64
	15	—	—	—	55·8	5·5	10·5	68	7·4	5	32	84	136	108	—	—	—	—	—	—	—	—	—	—	0	0	25	340	0	31	69	17	30	22	89	29	78
	18	—	—	—	54·6	4·8	10·6	71	7·4	19	34	72	73	167	—	—	—	—	—	—	—	—	—	—	0	1	25	339	0	50	45	20	29	38	61	52	70
	1	225	1012·9	—	47·3	1·5	10·3	89	6·3	67	51	30	81	136	6	2	3	14	26	38	117	92	65	2	0	3	79	252	31	23	34	30	26	72	59	61	29
Surrey. Croydon **H**	7	225	1012·9	—	47·3	1·5	10·3	89	7·7	15	45	28	135	142	5	4	6	18	36	42	125	72	*55*	2	0	2	71	259	33	22	48	25	27	55	59	68	28
	13	225	1012·6	—	55·3	5·2	10·7	70	7·9	3	35	40	188	99	1	2	4	16	24	29	148	49	*85*	7	0	6	117	236	6	29	49	30	29	47	71	54	50
	18	225	1012·4	—	53·2	4·2	10·7	75	7·3	12	56	38	152	107	1	3	4	16	52	48	130	39	*69*	*3*	0	3	94	257	11	31	43	38	23	63	66	53	37
Wisley ..	9	85	1012·7	—	50·7	3·0	10·4	80	7·6	14	41	47	99	164	3	11	6	11	25	36	156	117	*0*	*0*	0	0	13	307	45	28	59	17	22	26	84	46	38

* Mean of hourly readings. *g* Temperatures from thermometers on a Glaisher stand. † New site as from December 9th, 1936. †† New site as from September 8th, 1937.

TABLE IV (*continued*).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1937.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE. At Mean Sea Level.	MEAN PRESSURE. Difference from Average	TEMPERATURE AND HUMIDITY. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	CLOUD AMOUNT. Mean Amount.	CLOUD AMOUNT. No. of Observations. 0	1 to 3	4 to 6	7 to 10
5. ENGLAND, S.E.—*cont.*	GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%					
Kent. Biggin Hill H	7	572	1013·1	—	46·7	1·5	10·1	89	7·7	13	53	31	99
	13	572	1012·7	—	53·3	4·6	10·3	72	7·6	4	44	54	151
	18	572	1012·7	—	51·0	3·5	10·2	78	7·0	15	65	46	124
Dungeness ..	7	—	—	—	48·7	1·2	11·0	91	6·9	31	44	54	151
	13	—	—	—	54·5	3·0	12·2	82	7·1	9	35	87	171
	18	—	—	—	52·6	2·2	11·9	85	6·7	11	52	88	146
Lympne H	1	345	1013·4	—	46·9	1·5	10·1	89	6·0	58	64	43	76
	7	345	1013·4	—	47·3	1·5	10·3	89	7·4	13	58	25	141
	13	345	1013·3	—	53·7	4·3	10·7	74	7·3	5	48	62	160
	18	345	1013·2	—	50·9	3·1	10·6	80	6·8	16	67	47	145
Manston ..	1	141	1012·8	—	48·1	1·8	10·4	86	5·9	68	51	50	84
	7	141	1012·7	—	48·5	1·8	10·6	87	7·6	9	49	33	143
	13	141	1012·7	—	54·1	4·5	10·8	73	7·4	9	43	51	159
	18	141	1012·5	—	51·8	3·4	10·7	78	7·0	5	68	58	134
Tunbridge Wells	9	407	1013·7	—	49·7	1·8	11·1	88	7·0	26	51	55	93
Sussex. Brighton H	9	48	1013·7	—	51·6	3·0	10·8	80	7·0	29	60	42	79
Hastings H	9	154	1013·1	—	51·4	2·7	11·0	82	6·3	37	63	65	94
	21	154	1013·1	—	50·2	2·2	10·9	85	5·6	99	50	25	62
Hampshire. Calshot ..	7	15	1013·0	—	48·7	1·3	10·9	91	7·0	14	72	38	122
	13	15	1013·1	—	55·2	4·0	11·6	76	7·1	6	62	57	134
	18	15	1012·8	—	53·3	3·0	11·6	82	6·6	19	73	51	126
Southampton	9	84	1013·5	−2·4	51·4	3·1	10·6	80	7·0	36	24	82	83
	21	84	1013·5	−2·2	51·1	2·6	10·9	82	5·4	101	37	47	58
†S. Farnborough H	7	231	1012·9	—	46·3	1·2	10·2	91	7·4	14	57	33	112
	13	231	1012·6	—	55·5	5·2	10·7	70	7·7	6	33	53	171
	18	231	1012·5	—	52·8	3·9	10·7	76	7·1	11	53	63	130
I. of Wight. Ventnor (Hosp.)	9	80	1013·1	—	52·6	2·8	11·3	81	6·6	13	85	55	86
	15	80	1012·6	—	54·9	3·6	11·8	78	6·5	20	77	75	72
Wilts. Amesbury H (Boscombe Down)	7	420	1012·9	—	45·6	0·9	10·2	93	7·2	21	58	39	95
	13	420	1012·7	—	53·9	4·4	10·6	73	7·6	4	36	58	155
	18	420	1012·5	—	51·9	3·4	10·7	79	7·0	16	57	53	125
Wilts. Larkhill.. H	9	444	1013·2	—	49·1	2·4	10·4	84	7·4	9	54	57	106
	13	444	1012·8	—	54·0	4·8	10·3	72	7·5	4	47	57	131
	15	444	1012·6	—	54·1	4·8	10·3	71	7·3	4	45	71	130
7a. ENGLAND, N.W.													
Lancashire. Hutton ..	9	86	1011·9	—	49·3	2·3	10·4	84	6·9	6	46	48	246
Manchester (Barton) H	7	83	1012·0	—	45·5	1·3	9·7	89	7·6	15	54	33	102
	13	83	1011·9	—	53·1	4·4	10·3	73	7·9	4	34	41	155
	18	83	1011·7	—	51·0	3·4	10·4	79	7·3	17	48	51	118
Manchester (Whitworth Pk.)	9	127	1012·1	—	48·7	2·6	9·8	81	7·4	22	36	52	106
	21	127	1012·0	—	49·3	2·5	10·2	82	6·9	27	56	47	96
Southport* (Bedford Rd. Pk.) H	9	37	1012·1	−2·4	49·7	3·0	10·1	80	7·3	14	61	35	98
	15	37	1011·5	—	53·0	4·3	10·5	74	7·1	5	74	42	112
	21	37	1011·9	−2·5	48·4	2·1	10·3	85	6·7	28	77	33	85
Stonyhurst	9	381	1012·4	—	48·0	2·5	9·6	82	7·3	24	42	33	114
	21	381	1012·5	—	47·1	1·9	9·8	85	7·1	41	53	17	73
Cheshire. Bidston Obsy.	9	202	1012·3	—	49·1	2·8	9·8	80	8·0	0	20	74	116
7b. NORTH WALES.													
Flint. Sealand .. H	7	19	1011·9	—	46·1	1·7	9·6	87	7·4	21	39	40	128
	13	19	1011·8	—	53·5	4·6	10·2	71	7·9	7	28	59	124
	18	19	1011·7	—	51·3	3·5	10·3	77	7·1	23	53	43	114
Anglesey. Holyhead H	1	29	1011·3	—	49·2	1·7	10·7	87	6·2	32	85	50	73
	7	29	1011·1	−2·5	49·1	1·8	10·6	87	7·3	10	50	62	112
	13	29	1011·3	—	52·3	3·0	11·0	80	7·5	5	52	44	147
	18	29	1011·1	—	51·0	2·5	10·8	82	7·2	7	61	50	132
Carnarvon. Llandudno..	9	33	1012·1	—	50·7	3·1	10·2	78	7·1	24	42	39	211
8a. SOUTH WALES.													
Cardigan. Ciliau Aeron..	9	256	—	—	—	—	—	—	—	—	—	—	—
Pembroke. St. Ann's Head	1	152	1011·7	—	49·6	1·6	10·9	88	6·6	16	66	67	131
	7	152	1011·3	−2·9	49·6	1·7	10·8	87	7·5	3	43	69	185
	13	152	1011·6	—	53·0	2·9	11·3	80	7·5	0	30	87	166
	18	152	1011·5	—	51·5	2·4	11·1	83	7·5	8	40	65	186

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	VISIBILITY. NUMBER OF OBSERVATIONS. FOG 0	1	2	3	Mist. Poor Vis. 4	5	Mod. Vis. 6	GOOD VISIBILITY. 7	8	9	WIND, NUMBER OF OBSERVATIONS. FORCE (0–12). 8 or more.	6 to 7	4 to 5	1 to 3	Calm.	DIRECTION. N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5. ENGLAND, S.E.—*cont.*	GMT.																						
Kent. Biggin Hill H	7	3	15	26	12	33	41	98	79	*54*	*4*	0	11	88	222	44	32	45	16	25	58	61	56	28
	13	c	4	8	15	31	18	111	106	*71*	*1*	0	10	125	222	8	35	52	20	29	58	70	56	37
	18	1	4	4	9	30	40	109	99	*61*	*8*	0	13	105	232	15	40	55	20	28	60	78	48	21
Dungeness ..	7	6	6	6	6	13	41	149	*137*	*1*	0	1	30	75	231	28	49	36	36	20	30	65	46	55
	13	0	0	1	4	10	29	160	*161*	*0*	0	2	26	121	210	6	24	47	39	33	43	97	44	32
	18	2	2	2	2	7	35	142	*172*	*1*	0	2	29	114	209	11	29	44	48	24	30	103	43	33
Lympne H	1	3	10	7	7	17	43	*103*	110	62	3	0	3	87	271	4	62	31	33	28	41	54	50	62
	7	1	11	17	*8*	22	57	*102*	80	55	12	0	3	100	249	13	72	34	31	28	29	52	53	53
	13	1	4	2	*6*	6	31	*99*	98	99	19	0	6	134	223	2	50	35	23	56	50	66	40	43
	18	0	7	3	6	11	41	*113*	79	88	17	0	6	104	253	2	54	40	39	33	45	79	38	35
Manston ..	1	0	7	1	10	15	34	95	*106*	*94*	*3*	0	8	102	228	27	31	39	25	36	39	89	45	34
	7	0	6	4	10	26	37	107	*99*	*75*	*1*	0	7	119	218	21	43	36	25	30	52	62	53	43
	13	0	2	1	3	13	28	96	*127*	*90*	5	0	10	166	185	4	39	45	30	45	55	49	45	53
	18	0	0	2	5	19	38	104	*108*	*85*	*4*	0	8	145	205	7	39	53	33	39	47	72	41	34
Tunbridge Wells	9	0	2	*1*	6	23	87	84	117	45	*0*	0	16	44	305	0	20	73	14	34	27	79	57	61
Sussex. Brighton H	9	0	0	4	14	31	73	103	*44*	94	*2*	1	14	32	316	2	43	62	18	28	52	59	49	52
Hastings H	9	1	0	2	1	23	84	135	*67*	*52*	*1*	1	9	37	303	15	31	75	10	47	30	78	15	64
	21	0	1	4	5	30	106	121	*52*	*46*	*0*	1	11	25	298	30	32	71	10	34	18	87	18	65
Hampshire. Calshot ..	7	3	5	7	7	9	24	129	111	70	0	0	14	83	249	19	57	32	25	28	29	58	54	63
	13	0	0	1	2	6	19	114	119	104	*0*	0	20	151	182	12	30	31	35	42	66	61	32	56
	18	0	0	2	8	7	17	107	123	101	*0*	1	12	123	219	10	37	32	35	36	36	94	51	34
Southampton	9	1	5	6	16	37	*54*	142	99	5	*0*	1	19	60	276	9	32	93	10	37	17	71	28	68
	21	0	4	6	19	76	*71*	119	70	0	*0*	4	17	35	295	14	24	71	13	37	15	90	29	72
†S. Farnborough H	7	3	16	7	12	23	69	110	73	*49*	3	0	0	44	281	40	33	34	34	32	39	37	82	34
	13	0	0	3	6	6	43	101	112	*87*	*7*	0	0	109	246	10	36	36	34	29	51	58	68	43
	18	2	2	7	11	21	53	106	92	*69*	*2*	0	1	57	276	31	28	32	38	20	60	52	62	42
I. of Wight. Ventnor (Hosp.)	9	—	—	—	—	—	—	—	—	—	—	0	12	79	274	0	43	39	52	33	13	48	93	44
	15	—	—	—	—	—	—	—	—	—	—	0	14	85	266	0	30	31	48	28	16	45	130	37
Wilts. Amesbury H (Boscombe Down)	7	0	12	15	14	8	31	111	148	*26*	*0*	0	7	64	271	23	53	37	45	29	51	33	55	39
	13	0	0	1	3	3	26	76	167	*88*	*1*	0	11	134	219	1	45	40	31	39	58	50	59	42
	18	0	0	2	4	6	22	89	168	*72*	*2*	1	6	97	254	7	40	44	23	38	62	43	67	41
Wilts. Larkhill.. H	9	0	6	9	6	12	12	91	113	116	*0*	0	10	128	211	16	39	56	37	29	39	57	61	31
	13	0	1	2	0	11	9	63	112	167	*0*	1	23	144	187	10	38	50	28	25	58	68	63	25
	15	0	1	1	3	7	10	51	128	164	*0*	1	16	152	181	15	35	43	24	27	55	63	64	39
7a. ENGLAND, N.W.																								
Lancashire. Hutton ..	9	—	—	—	—	—	—	—	—	—	—	0	7	21	201	136	10	30	11	57	18	44	12	47
Manchester (Barton) H	7	10	17	14	34	46	79	98	57	10	0	0	14	68	227	56	17	42	41	44	60	21	53	31
	13	4	0	4	15	30	*66*	91	96	56	3	0	12	123	218	12	23	41	25	36	62	41	85	40
	18	2	2	4	20	49	*80*	92	62	51	3	0	6	99	248	12	22	43	30	39	44	34	68	73
Manchester (Whitworth Pk.)	9	—	—	—	—	—	—	—	—	—	—	1	1	15	331	17	22	32	44	53	74	42	40	41
	21	—	—	—	—	—	—	—	—	—	—	0	2	17	336	10	26	27	64	33	64	34	59	48
Southport* (Bedford Rd. Pk.) H	9	0	1	5	4	37	138	35	46	93	6	2	26	114	209	14	24	18	47	76	57	20	49	60
	15	0	0	1	4	22	100	52	55	114	*17*	0	23	162	172	8	27	17	36	36	43	25	74	99
	21	0	0	1	10	35	129	37	78	74	*1*	0	25	105	208	27	29	27	50	53	41	30	51	57
Stonyhurst	9	0	3	2	14	10	31	188	*53*	*64*	*0*	0	11	91	254	9	42	68	31	9	45	49	77	35
	21	0	4	2	6	18	23	112	*186*	*14*	*0*	1	4	51	277	32	31	69	20	16	26	49	79	43
Cheshire. Bidston Obsy.	9	*0*	3	18	18	75	82	66	*54*	43	6	0	23	121	198	23	25	17	45	68	45	26	49	67
7b. NORTH WALES.																								
Flint. Sealand .. H	7	1	17	8	11	54	56	113	*74*	*30*	*1*	1	8	60	270	26	16	13	50	100	27	21	69	43
	13	1	1	2	6	17	46	110	*83*	*99*	*0*	1	16	119	220	9	23	18	33	79	28	35	82	58
	18	0	3	1	13	33	48	114	*78*	*74*	*1*	1	8	103	237	16	18	20	27	58	23	30	92	81
Anglesey. Holyhead H	1	0	1	1	2	7	12	51	92	198	1	3	39	144	164	15	40	23	46	26	60	63	41	51
	7	0	1	1	4	6	17	57	81	169	29	5	37	155	152	16	29	32	41	33	61	55	41	57
	13	0	0	1	1	5	9	50	79	164	56	4	37	181	140	3	49	26	33	17	58	67	44	68
	18	0	0	1	3	1	12	57	89	148	54	4	29	171	151	10	50	32	44	15	55	71	47	41
Carnarvon. Llandudno..	9	0	0	0	2	7	18	41	77	*206*	*14*	0	1	30	334	0	42	28	52	20	54	65	86	18
8a. SOUTH WALES.																								
Cardigan. Ciliau Aeron..	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembroke. St. Ann's Head	1	1	10	3	3	2	*13*	49	179	105	*0*	23	39	97	198	8	43	44	35	49	41	39	50	56
	7	0	11	2	4	4	*20*	70	152	100	*2*	16	40	101	205	3	33	48	54	42	42	43	49	51
	13	0	6	3	1	2	*18*	93	123	110	*9*	21	44	106	188	6	35	25	23	42	57	54	59	64
	18	0	7	1	3	2	*17*	62	148	116	*9*	21	42	103	193	6	51	40	29	31	34	50	67	57

* Visibility at Hesketh Park (at 9h., 13h. and 21h); wind at Marshside.

† New Site as from May 28th, 1937.

TABLE IV (*continued*).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1937.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE. At Mean Sea Level.	MEAN PRESSURE. Difference from Average	TEMPERATURE AND HUMIDITY. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	CLOUD AMOUNT. Mean Amount.	No. of Observations. 0	1 to 3	4 to 6	7 to 10
8a. SOUTH WALES—*cont.*	GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%					
Radnor. Llandrindod Wells	9	725	1013·0	—	48·7	2·5	9·9	82	7·9	0	24	67	129 145
Rhayader ..	9	—	—	—	47·2	2·1	9·7	85	8·2	8	18	55	87 197
Glamorgan. Cardiff ..	9	203	1013·1	—	50·1	2·7	10·3	81	7·3	24	49	51	62 179
	21	203	1013·2	—	48·9	2·0	10·4	85	5·6	109	23	40	61 132
8b. ENGLAND, S.W.													
Somerset. Bath	9	113	1012·8	—	50·8	2·9	10·5	81	7·4	15	64	31	79 176
Dorset. Holton Heath H	9	58	1013·2	—	51·3	2·7	11·1	83	7·0	27	60	43	66 169
	15	58	1012·7	—	55·2	4·3	11·3	74	6·9	16	59	72	71 147
	1	37	1012·3	—	50·9	1·6	11·5	88	6·7	46	42	44	87 146
Portland Bill ..	7	37	1012·3	−2·3	50·8	1·5	11·6	89	7·5	22	35	39	114 155
	13	37	1012·5	—	53·8	2·2	12·5	85	7·5	21	32	48	114 150
	18	37	1012·3	—	52·6	1·9	12·1	87	7·3	24	22	54	130 129
Devon. Moretonhampstead	9	801	1012·9	—	48·8	2·0	10·5	85	7·6	6	48	54	133 124
	15	801	1012·3	—	52·2	3·4	10·7	78	7·7	2	40	63	131 129
Plymouth H	7	27	1012·6	—	49·3	1·4	11·1	90	7·1	10	70	38	135 112
(Mount Batten)	13	27	1012·7	—	54·9	3·7	11·7	77	7·6	4	50	39	175 97
	18	27	1012·6	—	53·4	3·1	11·5	80	7·1	8	64	50	139 104
	1	240	1012·5	—	50·1	1·4	11·3	90	6·4	35	63	59	80 128
Cornwall. The Lizard ..	7	240	1012·3	—	50·6	1·5	11·5	89	7·8	3	38	65	117 142
	13	240	1012·7	—	54·9	3·2	11·9	80	7·5	2	32	86	137 108
	18	240	1012·7	—	52·6	2·5	11·6	83	7·4	5	48	68	114 130
Newquay ..	9	185	1012·5	—	52·3	2·1	11·8	85	7·2	14	53	57	94 147
9. IRELAND, N.													
Sligo. Markree Castle ..	9	127	1011·4	—	47·7	1·6	10·2	88	7·1	27	32	83	80 143
	21	127	1010·9	—	48·4	1·8	10·4	87	7·5	11	42	59	108 145
	1	28	1010·6	—	48·9	2·0	10·2	84	7·2	15	43	91	76 140
Mayo. Blacksod Point ..	7	28	1010·5	—	49·0	2·0	10·3	85	7·7	7	24	84	98 152
	13	28	1010·7	—	51·9	3·1	10·5	78	7·6	3	24	95	103 140
	18	28	1010·7	—	50·7	2·9	10·3	80	7·6	3	34	87	106 135
	1	87	1009·9	—	47·8	0·9	10·8	94	7·0	15	30	75	189 56
Donegal. Malin Head ..	7	87	1009·8	−1·4	48·1	1·0	10·8	91	7·5	4	35	39	239 48
	13	87	1010·1	—	50·8	1·5	11·6	89	7·5	0	28	58	235 44
	18	87	1009·9	—	49·7	1·2	11·3	91	7·2	6	37	43	224 55
	7	245	1010·9	—	45·1	1·1	9·7	91	7·6	8	55	34	130 138
Antrim. Aldergrove H	13	245	1010·9	—	51·6	3·5	10·3	77	8·0	1	36	39	178 111
	18	245	1010·7	—	49·9	2·8	10·3	81	7·5	4	59	40	146 116
Armagh. Armagh H	9	209	1010·9	−2·1	47·8	1·9	10·1	86	7·3	26	37	48	100 154
	21	209	1010·8	−2·3	47·3	1·8	10·1	87	6·5	53	55	30	76 151
10. IRELAND, S.													
Dublin. Glasnevin ..	9	56	1011·6	—	49·5	2·5	10·3	83	7·2	20	0	146	67 132
	21	56	1011·6	—	48·9	2·3	10·1	83	6·1	77	0	108	57 123
Offaly. Birr Castle ..	7	193	1011·0	−2·6	44·8	0·7	9·8	94	7·3	37	43	19	127 139
	13	193	1011·1	—	52·9	3·5	10·7	77	8·4	6	11	35	179 134
	18	193	1010·8	—	51·7	3·2	10·6	79	7·9	7	35	35	174 114
Waterford. Seskin, Carrick-on-Suir	9	521	1012·0	—	48·4	1·5	10·6	90	7·3	21	43	49	105 147
	7	45	1011·5	−2·3	49·7	2·3	10·4	84	7·7	12	46	37	137 133
Kerry. Valentia H	13	45	1012·0	−2·3	53·5	3·5	11·0	77	7·5	2	52	49	154 108
Observatory	18	45	1011·9	−2·2	52·2	3·1	10·8	79	7·4	1	69	36	153 106
	21	45	1012·2	−2·2	50·5	2·5	10·5	82	7·0	6	74	52	114 119
	h.*	45	1011·9	−2·3	51·1	2·7	10·6	81					
	7	24	1011·6	−2·7	48·8	1·2	10·9	91	7·0	25	49	58	128 105
Cork. Roche's Point ..	13	24	1011·9	—	53·3	2·7	11·6	82	7·3	1	33	99	153 79
	18	24	1011·8	—	52·1	2·2	11·6	85	7·0	7	43	87	153 75
11. CHANNEL I. & SCILLY.													
	1	199	1012·6	—	51·0	1·5	11·5	89	6·5	31	65	56	93 120
Scilly. St. Mary's ..	7	199	1012·3	−2·2	51·3	1·6	11·7	88	7·4	7	36	67	144 111
	13	199	1012·8	—	55·3	3·3	12·1	79	7·5	7	38	62	158 100
	18	199	1012·5	—	53·1	2·4	11·8	84	7·3	10	45	62	130 118
	1	186	1013·5	—	50·8	1·5	11·7	89	6·1	72	40	63	45 145
Guernsey. St. Peter Port	7	186	1013·4	—	51·5	1·8	11·8	88	7·7	20	31	44	137 133
H	13	186	1013·4	—	55·4	3·6	12·0	78	7·4	9	47	70	111 128
	18	186	1013·4	—	53·4	2·7	11·8	82	6·9	25	55	62	103 120
	7	400	1017·0	−1·0	60·3	2·9	15·3	83	5·1	28	125	54	138 20
GIBRALTAR .. H	13	400	1017·2	—	65·0	5·0	15·9	74	4·7	26	149	49	113 28
	18	400	1016·5	—	63·7	4·1	16·0	78	4·6	49	132	45	115 24
	21	400	1017·4	—	62·0	3·4	15·7	81	3·7	99	114	38	82 32
	7	234	1015·1	−1·2	65·2	4·5	16·7	75	4·5	29	147	52	129 8
MALTA .. .. H	13	234	1014·7	—	69·3	7·4	16·3	65	4·3	38	145	60	109 13
	18	234	1014·7	—	65·7	4·9	16·7	75	3·9	58	138	60	96 13

VISIBILITY. NUMBER OF OBSERVATIONS. FOG 0	1	2	3	Mist. 4	Poor Vis. 5	Mod. Vis. 6	GOOD VISIBILITY. 7	8	9	WIND, NUMBER OF OBSERVATIONS. FORCE (0–12). 8 or more.	6 to 7	4 to 5	1 to 3	Calm.	DIRECTION. N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0	7	1	4	9	20	114	101	*109*	0	2	5	76	282	0	28	30	24	61	53	44	59	66
0	9	4	5	21	24	117	66	*119*	0	1	4	32	326	2	20	42	38	67	34	59	53	50
1	3	5	3	24	59	157	66	*47*	0	1	4	52	308	0	21	82	40	19	18	71	92	22
1	1	0	2	1	17	237	8	*98*	0	0	2	43	320	0	4	36	59	48	5	50	123	40
0	3	3	9	26	83	*141*	*58*	*42*	0	0	1	40	313	11	26	55	60	24	30	50	74	35
0	4	1	7	34	63	104	102	*42*	8	0	23	112	189	41	43	47	39	29	22	48	46	50
0	0	1	3	19	45	143	119	*34*	1	1	29	127	190	18	39	38	29	33	38	53	77	40
0	0	7	4	0	0	33	*190*	*131*	0	1	22	128	214	0	36	63	44	23	28	45	57	69
0	0	3	3	0	1	39	*207*	*112*	0	0	15	153	197	0	39	64	49	26	28	41	57	61
0	0	1	6	1	0	40	*196*	*121*	0	0	27	147	191	0	24	35	49	27	50	75	63	42
0	0	4	3	0	0	36	*208*	*114*	0	0	24	144	197	0	25	30	47	37	25	63	77	61
0	6	5	3	10	16	66	57	*188*	*14*	1	17	63	240	44	35	18	22	51	43	33	36	83
0	1	4	2	4	6	59	62	*216*	*11*	0	31	86	227	21	31	24	20	59	38	40	49	83
0	0	3	2	2	28	98	78	152	*2*	1	13	66	230	55	44	39	54	15	43	34	44	37
0	0	0	2	6	12	73	66	186	*20*	4	20	107	229	5	31	24	34	32	72	74	43	50
0	0	0	0	2	30	127	59	127	*20*	3	20	100	228	14	36	20	40	23	62	58	50	62
1	8	4	5	5	6	27	*101*	*208*	0	1	44	134	169	17	50	38	37	30	35	51	54	53
0	8	11	2	4	8	34	99	*199*	0	3	35	136	176	15	53	45	34	27	44	41	53	53
0	3	7	4	1	14	42	*88*	*206*	0	5	42	156	158	4	30	26	49	34	47	57	78	40
0	3	4	6	14	35	*88*	*211*	0	5	36	158	151	15	42	27	41	31	41	48	63	57
0	5	4	0	11	25	75	*107*	100	*38*	3	28	87	243	4	54	41	21	73	43	58	19	52
0	2	2	3	1	*1*	74	105	177	0	0	3	28	259	75	46	8	16	34	83	24	29	50
0	*4*	2	1	0	*1*	60	96	201	0	1	7	25	225	107	31	11	22	24	54	28	38	50
0	0	1	1	0	0	16	146	199	*2*	13	41	96	165	50	30	22	20	28	83	11	82	39
0	0	0	2	1	3	15	102	231	*11*	9	34	129	164	29	33	25	35	47	58	22	75	41
0	0	0	1	0	2	11	91	214	*46*	16	42	145	157	5	32	30	29	40	61	36	90	42
0	0	0	0	0	1	18	110	195	*41*	14	51	128	165	7	44	29	22	22	58	31	98	54
0	1	1	2	0	0	40	300	20	*1*	0	22	100	237	6	66	19	24	19	127	32	62	10
0	0	2	1	0	3	58	246	53	*2*	0	26	110	228	1	79	11	25	22	126	38	40	23
0	0	1	0	1	2	57	218	82	*4*	0	26	130	208	1	82	20	43	25	68	36	59	31
0	1	0	0	0	1	60	228	73	*2*	0	29	115	218	3	86	16	50	25	62	21	67	35
0	2	7	4	7	14	71	123	130	7	0	9	74	235	47	33	26	31	41	79	43	36	29
0	2	0	0	1	12	80	78	141	51	0	13	135	208	9	38	20	36	38	55	64	58	47
0	1	2	3	13	73	89	145	39	0	0	7	95	242	21	44	19	43	41	63	46	45	43
0	*0*	5	3	12	14	*53*	*93*	185	0	1	7	49	285	23	43	26	25	30	73	86	29	30
0	*0*	0	4	8	30	*112*	*93*	118	0	0	8	49	273	35	34	27	22	24	78	67	42	36
0	6	*19*	*18*	79	*52*	*58*	*22*	*111*	0	0	1	27	328	9	3	43	37	40	9	44	97	83
0	2	*2*	*11*	66	*51*	*65*	*23*	*145*	0	0	2	21	311	31	1	35	32	24	14	57	96	75
0	*0*	0	1	4	0	0	*134*	*217*	0	0	4	9	332	20	44	12	9	25	130	46	36	43
0	*0*	0	1	0	0	0	*98*	*266*	0	0	2	11	352	0	33	22	9	26	104	62	51	58
0	*0*	0	2	0	0	0	*94*	*269*	0	0	3	12	350	0	35	26	10	23	97	55	60	59
0	5	6	*2*	12	5	56	*68*	95	116	4	56	96	192	17	27	7	21	32	58	37	80	86
0	0	0	1	2	7	*42*	64	*222*	*27*	0	30	138	156	41	39	46	46	29	65	46	22	31
0	0	0	0	2	2	*32*	41	*212*	*78*	3	27	191	139	5	27	43	27	26	67	47	70	53
0	0	0	1	2	5	*31*	49	*217*	*60*	2	36	158	157	12	45	32	35	26	64	44	51	56
0	0	1	0	1	6	*43*	56	*223*	*35*	2	24	146	140	53	44	33	39	31	70	34	23	38
0	5	2	8	6	19	26	*50*	*233*	*16*	5	19	97	243	1	99	37	21	35	31	51	52	38
0	0	6	4	5	9	26	*38*	*166*	*111*	4	23	116	222	0	61	23	31	42	47	71	48	42
0	0	2	6	3	9	22	*50*	*186*	*87*	1	25	118	220	1	60	28	31	33	43	61	57	51
0	4	8	6	2	4	59	*83*	*199*	0	2	45	156	151	11	42	39	30	31	44	57	50	61
0	5	5	6	2	6	51	*104*	*182*	4	2	45	149	158	11	43	43	39	25	41	56	49	58
0	1	1	4	6	9	53	*128*	*159*	4	6	50	174	133	2	49	37	30	37	44	59	56	51
0	2	3	8	4	10	59	*112*	*163*	4	3	56	161	141	4	54	31	32	30	45	55	55	59
0	4	0	0	19	5	120	*103*	*71*	43	0	12	79	224	50	29	34	27	25	42	34	02	62
0	0	1	1	12	10	83	*136*	*83*	39	0	13	75	234	43	27	41	28	29	46	42	49	60
0	0	0	3	14	9	73	*135*	*71*	60	1	12	116	222	14	26	43	44	32	42	40	58	66
0	0	0	1	14	12	96	*136*	*52*	54	1	7	104	222	31	30	42	32	29	29	27	61	84
1	2	0	1	3	1	*24*	80	*128*	125	0	14	113	202	36	9	37	66	15	1	4	87	110
0	0	0	2	2	2	*9*	54	*122*	174	1	24	147	188	5	0	29	101	22	6	44	115	43
0	0	0	0	1	2	*12*	58	*120*	172	1	23	117	207	17	2	30	84	16	2	28	133	53
0	0	1	0	0	1	*12*	50	*142*	159	2	17	102	213	31	11	37	62	9	2	6	108	99
0	0	0	0	0	0	16	51	*281*	*17*	0	22	110	226	7	39	24	28	25	45	46	68	83
0	0	0	0	0	0	7	48	*276*	*34*	0	30	152	183	0	47	51	28	25	44	47	55	68
0	0	0	0	0	0	12	69	*275*	9	0	16	114	227	8	35	17	22	30	49	41	83	80

* 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 louvred screens in the open :—*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 :—*Royal Observatory, Greenwich.*—A Glaisher stand was used until 31st December, 1937.

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 ,, ,, 1¼ miles.
5	,, 1¼ miles ,, 2¼ ,,
6	,, 2¼ ,, ,, 6¼ ,,
7	,, 6¼ ,, ,, 12¼ ,,
8	,, 12¼ ,, ,, 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.

* 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.

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), 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.

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. Max.	Min.	Rain.	Height of Station above M.S.L.	Warmest Day. Highest Maximum and Date.	°F.	Warmest Night. Highest Minimum and Date.	°F.	Coldest Day. Lowest Maximum and Date.	°F.	Coldest Night. Lowest Minimum and Date.	°F.
0. SCOTLAND, N.		G.	M.	T.	ft.								
Shetland.	Baltasound ..	9	9	9	31	July 14, 31	65	August 15	56	Jan. 30, Mar. 11, December 10	33	December 12, 13	17
	Lerwick	18—7		7	156	August 3	62	July 21, August 12, 13, 15, 25	54	January 30	32	March 12	25
Orkney.	Deerness	21	21	9	160	(August 12, 28)	(65)	(Aug. 5, Sept. 23, 24)	(54)	Jan. 29, 30, Feb. 27, Mar. 12, Dec. 12	34	December 12	27
	Kirkwall	9	9	9	113	July 18, 31, Aug. 1	71	July 19	57	Jan. 30, Dec. 12	33	December 13	25
Hebrides.	Skallary	10	10	10	30	August 2	68	July 31, August 1	58	Jan. 29, Feb. 27, Mar. 12, Dec. 11	38	Feb. 27, 28, Mar. 8	30
	Stornoway (C.G.)	18—7		7	80	August 2	68	August 3	58	February 8, 27	34	March 13	25
Skye.	Duntulm	9	9	9	294	August 2	72	July 18, August 13	59	March 12	35	March 7	26
Caithness.	Wick	18—7		7	81	July 14	71	September 4	60	Feb. 27, Mar. 12, December 12, 18	34	December 13	15
Ross and Cromarty.	Achnashellach ..	9	9	9	225	(August 1)	(80)	August 2	58	(December 30)	(30)	(March 8)	(18)
	Fortrose	9	9	9	69	July 18, 31	73	August 12	59	December 12	31	December 13	18
Inverness.	Dalwhinnie ..	18—7		7	1176	August 2	77	July 18, August 13	58	December 12	26	December 13	0
	Ft. Augustus ..	9	9	9	68	August 3	77	July 14, August 1, 2, 13, 23, September 24	56	December 7	29	December 13	14
	Ft. William ..	9	9	9	34	August 1	79	July 18	61	March 12	35	March 8	18
	Inverness	9	9	9	242	August 12	73	July 18	59	Dec. 17, 18, 30 December 12	29	December 13	15
1. SCOTLAND, E.													
Nairn.	Nairn	9	9	9	20	July 2, 31	75	September 24	58	December 12	31	December 13	16
Moray.	Forres	9	9	9	155	May 29, July, 18, 31, August 12, 13	75	July 31	59	December 12	32	December 13	17
	Gordon Castle ..	21	21	9	104	August 8	77	May 29, July 13, 14, August 13	59	January 30	32	December 13	12
Banff.	Banff	9	9	9	130	July 18, 31	76	July 14	58	Jan. 27, 29, Mar. 12, December 12	34	December 13	17
Aberdeen.	Aberdeen ..	24	24	24	79	June 25	74	July 18, August 12	57	December 18	34	December 13	15
	Balmoral	9	9	9	927	June 25	78	July 14	58	December 18	27	December 13	−3
	Braemar ..	21	21	9	1111	August 2, 3	78	July 13	57	Jan. 17, Mar. 12	28	December 13	−7
	Craibstone ..	9	9	9	300	July 31	76	July 3, Sept. 24	57	December 12	30	December 13	12
	Logie Coldstone ..	9	9	9	608	(June 25)	(78)	(June 14)	(58)	(December 12)	(28)	(December 13)	(−5)
Kincardine.	Stonehaven ..	9	9	9	12	June 26	75	July 3, 15, Sept. 24	57	February 27	36	December 13	20
Angus.	Arbroath	21	21	9	93	June 25	76	July 2, August 1	59	Mar. 13, Dec. 19	34	December 13	19
	Carnoustie ..	9	9	9	39	July 31	78	July 19	59	December 19	34	December 13	21
	Dundee	9	9	9	147	July 31	78	July 3, August 1	59	December 18	31	December 13	19
	Kettins	9	9	9	218	June 25, July 31, August 3	76	July 3	59	December 18	27	December 13	7
	Montrose	9	9	9	16	June 25	78	July 15	58	December 18	32	December 13	20
Perth.	Crieff	21	21	9	478	August 3	77	July 13	58	December 5, 18	30	December 13	13
	Perth	9	9	9	76	July 31, August 3	77	July 3	60	December 18	26	December 13	7
Fife.	Cupar	9	9	9	210	July 31	76	July 18	60	December 18	29	December 13, 14	14
	Dunfermline ..	9	9	9	237	July 31	76	July 18	61	December 19	32	December 18	20
	Kirkcaldy ..	9	9	9	63	July 19, 31	76	July 3	59	December 18	32	December 20	19
	Leuchars	18—7		7	36	July 31	76	July 3, 14	59	December 5	31	December 13	17
	St. Andrews ..	9	9	9	13	July 31	77	July 3	60	December 19	33	December 13, 20, 21	20
Mid. Lothian.	Edinburgh—												
	Blackford H. ..	21	21	9	441	July 31	75	July 14	60	January 30	31	December 13	23
	Boghall ..	9	9	9	639	August 3	75	July 2, 14, 18, Aug. 5	57	March 12	30	March 16	19
	Liberton ..	9	9	9	190	July 31	77	July 3, 14	60	Jan. 29, Dec. 12	32	December 13	19
	Univ. King's B.	9	9	9	225	July 31	76	July 18	61	March 7	31	December 13	20
E. Lothian.	Dunbar	9	9	9	75	July 18	76	July 3, 14, 18	60	December 12, 18	35	December 13	22
	N. Berwick ..	9	9	9	118	July 31	76	July 18	60	December 18	33	December 13	22
Berwick.	Marchmont ..	21	21	9	498	July 31	77	July 18	58	January 29, 30, December 10, 19	32	March 16	17
	St. Abb's Head ..	18—7		7	280	—	—	—	—	—	—	—	—
Peebles.	Peebles	9	9	9	629	August 2	79	August 20	60	December 18, 19	23	December 18	11
	West Linton ..	9	9	9	820	August 1, 3	77	July 18	59	December 12, 18	30	December 13, 18	9
Roxburgh.	Kelso (Br'ml'ds)	9	9	9	193	July 31	80	July 3, 14, 18, Aug. 5, Sept. 6	59	December 18	31	December 13, 20	18
	Wolfelee	9	9	9	537	August 1, 3	78	July 18	59	December 18	28	December 13, 20	12
6a. SCOTLAND, W.													
Argyll.	Ardtornish ..	21	21	9	48	August 1	79	August 2	57	December 17	30	December 18	16
	Colonsay	9	9	9	87	August 2	75	July 18, August 13	58	Feb. 27, Mar. 12	36	(December 18)	(19)
	Dunoon (Benmore)	9	9	9	46	August 1	79	July 18	60	December 18, 19	34	December 18	18
	Dunoon	9	9	9	132	August 1	77	July 18	60	March 12	34	December 18	23
	Glenbranter ..	9	9	9	188	August 1	80	July 14, Aug. 12, 13	56	December 19	29	December 18, 20	14
	Oban	9	9	9	229	August 1	76	July 18, August 2	59	February 27	31	December 7, 18	24
	Tiree	18—7		7	22	August 2	71	August 1, 2, 13	58	January 30	35	March 8	25
Bute.	Rothesay	21	21	9	200	August 1	77	August 13	59	Jan. 30, Mar. 12, December 13	35	March 8	27
Dumbarton.	Cardross	9	9	9	130	August 1	78	July 18	61	December 18	32	December 18	16
	Helensburgh ..	9	9	9	293	August 1	78	July 18	60	December 18	30	December 18	16
Stirling.	Stirling	9	9	9	151	August 3	77	July 18	62	December 18	32	December 13	18
Renfrew.	Greenock	9	9	9	199	August 1	77	July 18	61	December 18	32	December 18	22
	Paisley	21	21	9	106	August 1, 3	79	August 12	60	December 18	25	December 18	15
	Renfrew (Abbotsinch) ..	18—7		7	19	August 1	79	July 18	61	December 18	20	December 18	12

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. Max.	Min.	Rain.	Height of Station above M.S.L.	Warmest Day. Highest Maximum and Date.		Warmest Night. Highest Minimum and Date.		Coldest Day. Lowest Maximum and Date.		Coldest Night. Lowest Minimum and Date.	
		G.	M.	T.	ft.		°F.		°F.		°F.		°F.
6*a*. SCOTLAND, W.—*cont*													
Lanark.	Carluke	9	9	9	534	August 1, 3	78	July 18	60	December 12	30	December 18	15
	Dungavel	9	9	9	798	August 1	78	July 18, Sept. 7	58	Mar. 12, Dec. 11	31	December 18	18
	Glasgow	9	9	9	85								
Ayr.	Auchincruive ..	9	9	9	89	August 2	78	July 18	60	December 7	32	December 18	16
	Ayr	21	21	9	43	July 31, August 2	74	August 13	60	December 17	34	December 18	19
	Colmonell	9	9	9	170	August 1	76	August 12	60	Jan. 29, Dec. 18	35	December 18	16
	Kilmarnock ..	9	9	9	130	August 1, 2	81	July 18	62	December 17	29	December 18	13
	Troon	9	9	9	15	August 2	72	August 13	62	March 12	33	December 18	21
	Turnberry	9	9	9	30	August 1, 2	72	July 18	59	February 27	30	March 8, 10, 11, December 10, 11, 18	27
Dumfries.	Dumfries	21	21	9	140	August 1	81	July 13, 18, Aug 13, 14	59	January 30	32	December 19	17
	Eskdalemuir ..	24	24	24	794	August 1	78	July 13	58	December 18	23	December 12	9
		18—7		–	—								
	Ruthwell	21	21	9	67	August 1	84	August 13	62	December 18	27	December 18	15
6*b*. ISLE OF MAN.													
Isle of Man.	Douglas	9	9	9	284	August 1	73	August 1	62	January 29	36	February 28	26
	Point of Ayre ..	18—7		7	30	July 18	76	July 2	61	March 11	33	December 10	26
2. ENGLAND, N.E.													
Northumberland.	Berwick-on-T. ..	9	9	9	76	July 18	74	July 3, Aug. 1	60	December 18	32	December 20	20
	Bellingham ..	9	9	9	849	July 31, Aug. 3	77	July 3, 14, 15 Aug. 13	57	Jan. 29, Dec. 12	30	December 13	13
	Cockle Park ..	21	21	9	325	July 19	76	July 18	60	December 10	32	March 16	19
	Tynemouth ..	18—7		7	108	July 14	75	July 15	61	Jan. 15, Dec. 20	34	December 13	25
Durham.	Chopwellwood ..	9	9	9	446	August 1	80	July 13	61	December 20	32	December 13	20
	Durham	21	21	9	336	August 3	79	July 2, 13	60	December 20	31	December 13	19
	Houghall	9	9	9	160	July 14	80	August 1	63	December 10	34	December 13	10
	Sunderland ..	9	9	9	70	July 14	77	July 2	61	December 18	35	December 13	24
	Ushaw College ..	9	9	9	594	July 14, Aug. 3	76	July 3, 13, 15, 18	60	December 20	31	December 13	20
Yorks., N. Riding.	Ampleforth ..	9	9	9	313	August 3	80	July 3, 4, 13, 18	60	January 29	32	December 13	21
	Castleton	9	9	9	450	July 3	81	July 2, 3, 18, 19, Aug 5, Sept. 1	59	Jan. 26, 29, Dec. 19	32	March 16	13
	Catterick	18—7		7	175	August 3	82	July 18	62	December 20	30	December 10, 13	21
	Scarborough ..	9	9	9	118	July 14	80	July 15	62	December 10	35	December 13	25
	York	21	21	9	57	July 3	84	July 13, 18	62	December 19	33	December 20	23
Yorks., E. Riding.	Hull	21	21	9	8	August 6	81	July 3, 13, 18	63	January 15, 29, December 8, 10, 19	36	March 23	27
	Spurn Head ..	18—7		7	29	August 6	82	July 19	62	December 10	35	January 30	29
Lincoln.	‡Cranwell	18—7		7	203	July 3	84	July 13, 18, 19	61	Jan. 29, Dec. 20	31	December 20	21
	Cleethorpes ..	9	9	9	23	August 6	82	July 19	63	January 26	33	January 15	25
	Skegness	9	9	9	15	September 7	77	July 19	63	January 29	33	December 15	22
3. ENGLAND, E.													
Norfolk.	Cromer	9	9	9	178	August 6	84	August 7	62	January 29	31	January 30	25
	Hunstanton ..	9	9	9	105	July 3	83	August 7	63	January 29	32	January 30	25
	Norwich	9	9	9	110	August 6	86	August 6	63	January 28, 29	30	Jan. 30, Dec. 20	25
	Sprowston ..	9	9	9	93	August 6	85	June 7	64	January 29	30	January 30	25
	Terrington ..	9	9	9	13	August 6	84	July 13	66	January 29	31	December 15	22
	Thetford .. .. (Lynford Nursery)	9	9	9	99	August 6	86	July 19, Sept. 7	61	January 29	29	December 20	14
	Yarmouth	18—7		7	5	September 7	79	August 7	63	January 29	30	December 13	25
Suffolk.	Bungay (Flix'n) ..	9	9	9	79	August 6	85	July 4, 19	62	January 28	30	January 30	25
	Chadacre	9	9	9	250	August 6	84	July 13	63	January 29	30	December 15	19
	Copdock	9	9	9	164	August 7	87	July 13, 19	63	January 28, 29	32	November 21	24
	Felixstowe ..	9	9	9	72	July 13	78	July 19	65	(January 28)	(34)	(Jan. 30, March 23)	(27)
	Lowestoft ..	9	9	9	82	September 7	82	August 7	64	January 28	31	Jan. 30, Dec. 28	25
	Mildenhall ..	18—7		7	19	July 3, Aug. 6	84	July 13	63	January 29	29	December 15	20
Cambridge.	Cambridge (Bot. Gardens)	21	21	9	41	August 6	86	July 13	63	January 29	30	December 19, 20	22
	(Univ. Farm) ..	9	9	9	78	August 6	85	July 13, Aug. 11	63	January 29	29	December 20	23
Bedford.	Luton	9	9	9	381	August 6	85	July 2, 3, 18, 19, August 3, 5, 10, 11	61	January 29	29	December 20	20
	Woburn	9	9	9	291	August 6	85	July 3	63	January 29	28	March 10	20
Hertford.	Rothamsted ..	9	9	9	420	August 6	83	August 11	62	January 29	28	December 20	18
	St. Albans ..	9	9	9	272	August 6	85	August 11	62	January 29	29	November 21	18
Essex.	Clacton-on-Sea ..	9	9	9	53	July 1, 13, Sept. 7	75	July 19, Aug. 7	65	Jan. 28, 29, Mar. 7	35	Mar. 23, Nov. 21	27
	Chelmsford ..	9	9	9	134	August 7	88	August 4	64	January 29	31	December 15, 20	22
	Chelmsford (Agr. St.)	9	9	9	193	August 7	88	July 13	63	January 29	31	Nov. 21, Dec. 15	23
	Halstead	9	9	9	140	August 7	88	July 13	64	January 29	31	December 20	21
	Shoeburyness ..	18—7		7	11	July 3	81	July 13, 19	64	January 29	31	November 16, 29	25
4. MIDLAND COUNTIES.													
Yorks., W. Riding.	Askham Bryan ..	9	9	9	90	July 3	84	July 13, 18	60	Jan. 26, Dec. 19	33	December 13	20
	Bingley	9	9	9	610	July 3	80	July 3	62	January 29	30	Jan. 15, 16, Dec. 10	22
	Bradford	9	9	9	439	July 3	81	July 3	63	December 18	30	Jan. 15, Dec. 10	22
	Doncaster ..	9	9	9	26	July 3	82	July 19	62	January 29	32	December 20	19
	Giggleswick ..	9	9	9	575	August 2	78	July 3	61	January 26	32	December 13	17
	Harrogate ..	9	9	9	478	August 3	81	July 15, 18	62	January 29	31	January 15	22
	Huddersfield ..	21	21	9	325	July 3	82	July 18, Aug. 6	66	December 19	31	March 26	19
	,, (Oakes)	9	9	9	761	August 1	83	July 3	62	January 29	30	Jan. 15, 16, Dec. 10	23
	Meltham .. **	9	9	9	514	July 3	82	July 3	63	January 26, 29	31	January 15	20
	Pontefract ..	9	9	9	255	July 3	80	July 3, 4, 13, 18	61	January 26	31	Jan. 15, Dec. 20	20
	Sheffield	9	9	9	428	July 3	82	July 18	62	January 29	32	Mar. 16, Dec. 20	25
	Wakefield ..	9	9	9	124	July 3	83	July 3	62	January 26, 29	33	Mar. 26, Dec. 2	21

** At Meltham the earth thermometers are at depths of 2 ft. and 4 ft.

* New site as from December 9th, 1936.

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. Max.	Min.	Rain.	Height of Station above M.S.L.	Warmest Day. Highest Maximum and Date.	° F.	Warmest Night. Highest Minimum and Date.	° F.	Coldest Day. Lowest Maximum and Date.	° F.	Coldest Night. Lowest Minimum and Date	° F.
4. MIDLAND COUNTIES—*cont.*		G.	M.	T.	ft.								
Derby.	Belper (School) ..	9	9	9	222	August 3	83	July 2, 13	61	January 28, 29	33	November 22	20
	Buxton	9	9	9	1007	August 3	77	July 3, 18	59	January 29	29	March 16	18
Nottingham.	Attenborough ..	18	7	7	8	July 3	84	July 2, 3, 4, 13, 14, 19	61	Jan. 29, Dec. 20	32	November 22	17
	Mansfield ..	9	9	9	357	August 6	82	July 13, 19	62	January 26, 29	31	Jan. 30, March 26, December 20	25
	Nottingham ..	9	9	9	192	July 3	83	July 14	63	January 29	31	December 20	24
	Sutton Bon'gton ..	9	9	9	157	July 3, Aug. 3, 6	82	July 13, 14, 19	62	January 29	31	March 26	20
Leicester.	Belvoir Castle ..	21	21	9	259	July 3	83	July 3, 13	61	January 29	33	December 20	19
	Leicester					—	—	—	—	—	—	—	—
Northampton.	Oundle	9	9	9	147	July 3	84	July 13, Aug. 10	62	January 29	29	December 20	21
Warwick.	Birmingham ..	18	—7	7	535	August 6	81	July 13	62	January 29	30	January 30	25
	,, Sparkhill	7	13	7	425	August 6	85	July 14	61	January 29	29	March 10	22
	Coventry	9	9	9	241	August 6	84	July 13	62	January 29	29	November 14	19
	Rugby	21	21	9	390	August 3, 6	83	July 13	61	Jan. 29, Dec. 20	31	December 20	20
	Stratford-on-Avon	9	9	9	210	August 6	84	August 5	66	January 29	33	November 14, 21	22
Oxford.	Oxford	9	9	9	208	August 6	87	July 3	63	January 29	29	November 21	21
Bucks.	Halton	9	9	9	544	August 6	85	July 3, 15, August 4, 7, 11	61	January 29	28	December 20	22
	Mursley	9	9	9	490	August 6	82	August 12	62	January 29	28	March 10	20
Stafford.	Market Drayton ..	9	9	9	581	August 3	81	July 18	60	January 29	31	December 10	18
	Mayfield	9	9	9	374	August 3	82	July 2, 18	60	January 29	31	November 21, 22	19
Shropshire.	Newport ..	9	9	9	211	August 3	82	July 14	62	January 29	32	December 10	19
	Shrewsbury ..	9	9	9	184	August 6, 12	82	July 14	63	January 29	32	November 14	21
Worcester.	Malvern	9	9	9	380	August 6	84	July 3, 13	63	January 29	29	March 10	21
	Worcester (Perdiswell) ..	9	9	9	94	July 3, Aug. 3, 6, 12	83	July 13, 14, August 10, 14	62	January 29	31	November 14	19
Hereford.	Bromyard ..	9	9	9	393	August 3, 6	81	August 12	63	January 29	29	November 14, 21	18
	Hereford	9	9	9	292	August 3	85	July 14, Aug. 10	62	January 29	30	November 14, 21, December 10, 11	22
	Ross-on-Wye ..	18	—7	7	223	August 6	83	July 13, 14, Aug. 10	62	January 29	30	November 21	22
Gloucester.	Bristol (Horfield) ..	18	—7	7	206	August 6	85	July 14, 19, Aug. 10, September 7	62	January 29	29	March 10, Nov. 21, December 18	23
	Cheltenham ..	21	21	9	214	August 6	84	July 3, Aug. 10	62	January 29	30	March 10	21
	Cirencester ..	9	9	9	443	August 6	83	August 10	61	January 29	32	November 21	19
	Parkend	9	9	9	325	August 6	82	July 14	61	January 29	29	Nov. 21, Dec. 6, 18	21
5. ENGLAND, S.E.													
London.	Camden Square ..	9	9	9	110	August 6	90	July 3, August 7	65	January 29	31	December 20	27
	East Ham	9	9	9	15	August 6	88	August 10	64	January 29	32	November 21	25
	Enfield	9	9	9	148	—	—	July 13, August 11	64	January 29	30	November 21	23
	g Greenwich	24	24	9	149	August 6	92	August 10	63	January 29	31	Mar. 10, Nov. 21	24
		21	9	0									
	Hampstead ..	9	9	9	450	August 6	86	August 7	62	January 29	30	December 20	23
	Kensington ..	18	—9	9	80	August 6	87	July 3	65	January 29	31	Mar. 10, Dec. 20	27
	Regent's Park ..	9	9	9	129	August 6	87	July 3	66	January 29	31	Mar. 10, Dec. 20	27
	Kew Observatory	24	24	24	18	August 6	85	August 10	64	January 29	32	November 21	25
	Tottenham ..	21	21	9	51	August 6	88	June 12, July 13, August 7	65	January 29	32	December 20	26
	Westminster ..	9	9	9	27	August 6	87	July 3	66	January 29	32	March 10	27
Surrey.	Addington ..	9	9	9	472	August 6	85	August 7	65	January 29	31	December 20	22
	Croydon	18	—7	7	217	August 6	87	August 7	65	January 29	30	March 10	23
	Wisley	9	9	9	150	August 6	88	July 13, 19	63	January 29	32	November 21	20
Kent.	Biggin Hill ..	18	—7	7	567	August 7	85	August 7	64	January 29	29	Mar. 10, Dec. 20	24
	Bromley	9	9	9	213	August 6	87	August 7	66	January 29	33	December 20	24
	Canterbury ..	9	9	9	135	August 7	92	July 13	64	January 28, 29	34	November 21	21
	Dover	9	9	9	22	August 7	82	July 19	65	January 28, 29	37	December 7	26
	Dungeness ..	18	—7	7	20	August 7	80	August 7	63	January 29	31	Nov. 21, Dec. 7	21
	East Malling ..	9	9	9	132	August 7	90	July 13, Aug. 13	61	January 29	33	Mar. 10, Nov. 21, December 7, 19	24
	Folkestone ..	9	9	9	101	August 7	86	July 19	64	March 9	35	Jan. 30, Nov. 21, December 7	27
	Goudhurst ..	9	9	9	290	August 7	89	July 13	62	January 29	31	November 21	20
	Lympne	18	—7	7	346	August 7	84	August 7	66	January 29	29	December 7	20
	Manston	18	—7	7	142	August 7	87	August 7	66	January 29	29	December 7	22
	Margate	9	9	9	51	July 3	85	August 7	68	January 28	34	Jan. 29, 30, Dec. 7	28
	Tunbridge W. ..	9	9	9	355	August 7	92	July 13	63	Jan. 28, 29, Mar. 7	34	March 10	18
	Wye	9	9	9	164	August 7	89	July 13, Aug. 7, 13	62	January 28, 29	34	November 21	20
Sussex.	Ardingly	9	9	9	437	August 7	90	August 7	62	January 29	32	March 10	22
	Beachy Head ..	18	—7	7	502	August 7	82	August 7	66	January 29	30	January 29, 30	26
	Brighton	9	9	9	32	August 8, 12	79	August 7	67	January 29	34	March 10	26
	Eastbourne ..	21	21	9	35	August 7	82	Aug. 5, 13, Sept. 7	63	January 29	34	March 10	26
	Hastings	21	21	9	149	August 7	79	August 7	65	January 29	34	Mar. 10, Dec. 7	27
Berkshire.	Ascot (H'therw'd)	21	21	9	300	August 6	87	July 13	62	January 29	31	March 10	19
	Reading	9	9	9	152	August 6	87	August 10	63	January 29	31	November 21	22
	Shinfield ..	9	9	9	200	August 6	87	Aug. 10, Sept. 7	62	January 29	31	November 21	20
Hampshire.	Bournemouth ..	9	9	9	139	August 7	85	July 14, 19	63	January 29	32	November 21	25
	Calshot	18	—7	7	8	August 7	82	August 13	64	January 29	33	December 18	27
	Leckford	9	9	9	385	July 3, Aug. 6	83	July 13, 14	62	January 29	30	November 21	19
	Long Sutton ..	9	9	9	479	August 6	86	July 13, Aug. 10	61	January 29	30	March 10	20
	Southampton ..	21	21	9	64	August 7	84	July 14, Aug. 7	64	January 29	34	November 21	24
	S. Farnboro' ..	18	—7	7	237	August 6	87	July 13	63	January 29	30	November 21	16

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. Highest Maximum and Date.		Warmest Night. Highest Minimum and Date.		Coldest Day. Lowest Maximum and Date.		Coldest Night. Lowest Minimum and Date.	
	Max.	Min.	Rain.			°F.		°F.		° F.		°F.
5. ENGLAND, S.E.—*cont.*	G.M.T.			ft.								
Isle of Wight. Newport	9	9	9	48	August 7	90	August 13	63	January 29	33	Mar. 10, Nov. 21	22
Ryde	9	9	9	13	August 7	83	August 10	64	January 29	34	March 10	27
Sandown	9	9	9	13	August 7	86	August 13	64	December 9	37	March 10	28
Totland Bay ..	9	9	9	140	August 7	83	July 10, Aug. 8	63	January 29	32	March 10	28
Ventnor (Hospital)	9	9	9	59	August 7	84	August 7	65	January 29	36	Jan. 29, Mar. 10	29
Wilts. Amesbury (Boscombe Down)	18—7		7	417	August 6	84	July 14, Aug. 10	62	January 29	30	November 21	17
Larkhill	9	9	9	440	August 6	84	August 10	62	January 29	30	November 21	16
Marlborough ..	9	9	9	424	August 6	84	July 13, 14, Sept. 7	61	January 29	31	November 21	16
Porton	9	9	9	363	August 6	84	July 13	62	January 29	30	November 21	16
7a. ENGLAND, N.W.												
Cumberland. Keswick	9	9	9	254	August 1	82	July 3, 14, Aug. 2, 14, September 6	60	December 10, 18	35	December 12, 13	16
Newton Rigg ..	21	21	9	560	August 3	80	July 13, August 13	60	December 12	31	December 12, 20	11
Westmorland. Ambleside ..	9	9	9	145	August 1	82	August 11	63	December 4, 13	34	December 20	16
Appleby	9	9	9	440	August 1	79	July 3, Aug. 13	60	Jan. 29, Dec. 13, 18	33	Mar. 26, Nov. 13, 14	18
Lancashire. Bolton	9	9	9	342	August 1	80	July 3, Aug. 13	61	January 26, 29	33	December 18, 19	22
Burnley	9	9	9	458	August 1	79	July 18	63	Jan. 26, 29, Dec. 18	32	Nov. 14, Dec. 10, 18	19
Darwen	21	21	9	724	August 3	83	July 18, Aug. 13	60	Jan. 29, 30, Mar. 11	32	Mar. 1, Dec. 10	23
Hutton	9	9	9	82	August 1, 2	80	July 18	63	December 18	33	Nov. 13, Dec. 10, 18	20
Lancaster ..	9	9	9	312	August 1	80	July 18	64	December 12, 15	36	December 10	24
Leyland	9	9	9	125	August 1, 2	81	July 18, Aug. 13	63	January 26, 29	34	December 10, 18	19
Manchester—												
(Barton) ..	18—7		7	70	August 1	81	July 18	63	December 18	27	November 14	17
(Oldham Road)	21	21	9	191	August 1	85	August 6	67	December 18	34	November 14	26
(Whitworth Pk.)	21	21	9	125	July 3	83	July 3, 18	63	Jan. 29, Dec. 7	35	November 14	23
Southport (Bedford Rd. Pk.)	9	9	9	35	August 2	82	July 18	62	January 26	34	December 10	21
Stonyhurst ..	9	9	9	377	August 1	78	July 18	63	January 26	32	December 18	21
Cheshire. Bidston Obs'y ..	9	9	9	198	August 2	78	August 12	62	January 29	34	January 30	26
Hoylake	9	9	9	23	August 2	80	September 1, 6	62	Jan. 26, 29, Dec. 8	35	Nov. 14, Dec. 10	24
Macclesfield ..	9	9	9	500	July 3	82	July 3, 18	62	Jan. 28, 29, Feb. 28	33	Feb. 28, Mar. 1	16
West Kirby ..	9	9	9	25	August 2	82	July 3	63	Jan. 29, Dec. 8	34	Jan. 30, 31, Mar. 28, Nov. 14, Dec. 10, 20	26
7b. NORTH WALES.												
Flint. Harwarden Bridge	9	9	9	17	July 14, Aug. 1, 2, 6	81	August 10	62	January 29	34	Nov. 14, Dec. 10, 18	23
Rhyl	9	9	9	31	July 14, August 2	79	September 1, 6	62	Jan. 29, Dec. 8	36	December 10	24
Sealand	18—7		7	16	August 2	82	July 2, August 10, September 1	62	December 20	32	Nov. 14, Dec. 18	23
Anglesey. Holyhead	18—7		7	26	August 2	73	August 13	61	January 30	36	January 30	30
Denbigh. Colwyn Bay ..	9	9	9	118	July 14, Sept. 27	76	Aug. 10, Sept. 6, 7	62	January 29	34	December 9	27
Carnarvon. Aber	9	9	9	60	August 2	77	July 3, 14	62	January 29	35	Jan. 30, Mar. 10, December 10	29
Llandudno ..	9	9	9	13	August 2	78	July 3, Sept. 6	62	January 29	35	Mar. 10, Dec. 9	27
Montgomery. Welshpool	9	9	9	254	August 6	82	August 1	64	January 29	33	November 14	20
8a. SOUTH WALES.												
Cardigan. Aberystwyth ..	9	9	9	12	July 14	75	August 13	63	January 29, 30	34	December 10	25
,, P.B.S.*	9	9	9	452	August 2	75	August 13	62	January 29	32	Mar. 10, Dec. 10	26
Ciliau Aeron ..	9	9	9	252	August 1	80	August 11	62	January 29, 30	34	December 9, 10	21
Pembroke. Haverfordwest ..	21	21	9	233	August 1	80	August 11	62	January 29, 30	34	December 9, 10	21
St. Ann's Head ..	18—7		7	142	August 1	75	September 1	61	January 29	34	February 28	26
Radnor. Llandrindod Wells	9	9	9	772	August 3	87	July 13, Aug. 7, 10	59	January 29	29	November 14, 21, December 18	18
Rhayader	9	9	9	757	August 3	80	August 10	60	December 6	32	December 10	12
Brecknock. Cantref	9	9	9	1080	August 3	78	August 1	61	January 29	26	March 10	19
Glamorgan. Cardiff	21	21	9	203	August 3, 6	82	August 10	62	January 29	31	Mar. 10, Nov. 26	26
Swansea	9	9	9	32	August 6	80	August 13	64	January 29	34	December 10	28
8b. ENGLAND, S.W.												
Monmouth. Newport ..	9	9	9	265	August 6, 12	81	August 10	62	January 29	31	November 21	23
Usk	9	9	9	70	August 2	88	July 14	62	January 29	34	December 18	13
Somerset. Bath	9	9	9	67	August 6	85	July 19, Aug. 10, September 7	64	January 29	31	November 21	21
Cannington ..	9	9	9	95	August 3, 6	81	September 7	63	January 29	31	November 21	22
Long Ashton ..	9	9	9	162	August 6	84	August 2	63	January 29	30	November 21	21
Dorset. Holton Heath ..	9	9	9	64	August 7	81	July 13, 19, Aug. 13	62	January 29	32	November 21	23
Portland Bill ..	18—7		7	32	June 10	74	July 13	64	January 29	34	Jan. 29, Mar. 9, December 9, 10	31
Shaftesbury ..	9	9	9	722	August 6	81	July 19, August 4	62	January 29	30	December 10	24
Devon. Arlington	9	9	9	613								
Cullompton ..	9	9	9	202	August 6, 12	81	July 2, 13, 19, Aug. 10, 13, Sept. 7	62	January 29	31	Mar. 24, Nov. 14	21
Ilfracombe ..	9	9	9	25	July 14, 15, Aug. 1	75	July 3	63	January 29	35	Jan. 30, Mar. 10	29
Killerton	9	9	9	159	August 12	81	July 13	63	January 29	32	November 14, 15	23
Moretonhampstead	9	9	9	798	August 1, 4, 11	76	July 13	62	January 29	29	Mar. 10, Nov. 14, December 10	25
Newton Abbot ..	9	9	9	375	August 8	79	July 13	63	December 7	35	December 10, 18	27
Paignton	9	9	9	12	August 5, 7	78	July 13, 19, Sept. 1, 7	62	Jan. 29, Mar. 8, December 8	38	Mar. 6, Dec. 10	26
Plymouth (Hoe)	21	21	9	117	August 6	81	Aug. 10, 11, Sept. 7	62	January 29	35	February 28	26
Plymouth (Mount Batten)	18—7		7	82	August 6	82	September 1	63	January 29	33	Mar. 27, Nov. 15, December 10, 18	29
Princetown ..	9	9	9	1430	August 6	78	July 13, 18, 19, Aug. 10, Sept. 7	57	January 29	30	March 9	23
Sidmouth	9	9	9	25	August 7	77	July 19, Sept. 1	63	January 29	34	December 10	26
Tavistock ..	9	9	9	457	August 6	82	September 1	62	February 28	35	December 10	23
Teignmouth ..	9	9	9	20	August 7	78	August 10	63	December 8	37	Feb. 28, Mar. 6, December 18	29
Torquay	9	9	9	27	August 5	79	July 13	63	December 8	37	December 10	27

* Plant Breeding Station.

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. Max.	Min.	Rain.	Height of Station above M.S.L.	Warmest Day. Highest Maximum and Date.	°F.	Warmest Night. Highest Minimum and Date.	°F.	Coldest Day. Lowest Maximum and Date.	°F.	Coldest Night. Lowest Minimum and Date.	°F.
8*b*. ENGLAND AND WALES *cont.*		G.M.T.			ft.								
Cornwall.	Falmouth Obs. ..	9	9	9	167	Aug. 13, Sept. 6	76	Aug. 11, Sept. 1	64	Mar. 8, Dec. 7, 9	39	December 9	27
	Fowey	9	9	9	51								
	Gulval	9	9	9	20	August 12, 24	78	August 10, 11	63	Mar. 8, Dec. 30	40	Mar. 9, Dec. 9, 10	30
	The Lizard ..	18—7		7	240	August 1	73	August 11	63	March 8	38	Mar. 9, Dec. 9, 31	31
	Newquay ..	9	9	9	182	August 12	79	Aug. 10, Sept. 1	62	Jan. 29, Mar. 8	39	December 10	27
	Redruth	9	9	9	397	August 6	76	Aug. 11, Sept. 1	62	Mar. 8, Dec. 7	38	Mar. 3, 9, Dec. 10	30
9. IRELAND, N.													
Sligo.	Markree Cas. ..	21	21	9	122	August 1	79	July 2	59	Jan. 30, Mar. 12, December 19, 22	35	Mar. 9, Dec. 9	19
Mayo.	Blacksod Pt. ..	18—7		7	18	August 1	77	August 13, 24	58	January 30	37	December 9	29
	Mallaranny ..	9	9	9	113	August 1	79	August 4, 13	59	January 29	36	December 7, 9	27
Donegal.	Malin Head ..	18—7		7	84	August 2	75	July 18	64	March 12	36	March 9, 10	29
Antrim.	Aldergrove ..	18—7		7	238	August 2	78	July 14	61	March 13	33	December 18	19
Down.	†Donaghadee ..	8	8	8	40	July 1	72	July 2	59	Jan. 29, Mar. 12	38	December 17	28
	Hillsborough ..	9	9	9	388	August 2	78	July 14	61	March 12, 13	33	December 10	22
Armagh.	Armagh	21	21	9	204	August 1	79	August 1	63	December 6	32	December 8	21
Longford.	Newtownforbes ..	21	21	9	154	July 31, Aug. 2	76	August 21	59	December 6	30	Mar. 9, Dec. 6, 18	21
10. IRELAND, S.													
Dublin.	Glasnevin ..	21	21	9	55	August 6	79	July 2, 3, 14	61	December 9	36	December 18	21
	Phoenix Park ..	21	21	9	155	August 2	79	August 2	61	December 6	34	December 18	20
	Trin. Coll. ..	21	21	9	13	July 14, August 2	77	July 13	62	December 6	35	December 18	25
	Hazelhatch (Peamount San.)	9	9	9	366	August 2	82	July 18	61	March 7	34	December 18	20
	Rathfarnham ..	9	9	9	169	August 2	77	July 2, 14, Sept. 6	62	March 7	35	December 18	21
Wicklow.	Newcastle ..	21	21	9	256	July 13	79	July 1, 13	60	March 7	35	March 10	25
Offaly.	Birr Castle ..	18—7		7	173	August 1	79	July 14, 18	62	December 6	31	December 8	19
Waterford.	Seskin, Carrick-on-Suir	9	9	9	535	August 1, 2	78	July 18, August 12	60	December 6	32	December 9	24
	Waterford	9	9	9	137	August 1	78	August 12	63	March 7	35	December 9, 18	25
Limerick.	Foynes	9	9	9	43	August 1	77	July 14	61	Jan. 29, Mar. 12, December 7, 17	37	Nov. 21, Dec. 18	25
Kerry.	Valentia Obs. ..	24	24	24	30	August 1	71	August 11	62	December 9	38	December 10	27
Cork.	Ballinacurra ..	9	9	9	24	August 1	75	August 11	62	Jan. 29, Mar. 7	39	Jan. 14, 15, Mar. 9, Nov. 21, Dec. 6, 9	26
	Cork	9	9	9	57	July 17, 31, Aug. 2	77	August 12	64	Jan. 29, Dec. 6	38	December 9	24
	Roche's Pt. ..	18—7		7	22	July 1	70	August 12	62	December 9	35	December 9	29
11. CHANNEL ISLES AND SCILLY.													
Scilly.	St. Mary's	18—7		7	163	August 1	76	Aug. 11, Sept. 1	62	March 8	40	March 22	35
Guernsey.	St. Peter Port ..	18—7		7	175	August 6	82	July 3	63	March 9	38	Feb. 28, Mar. 10	32
Jersey.	St. Heliers ..	9	9	9	28	August 6	89	August 7	65	March 8	38	Feb. 28, Dec. 31	33
GIBRALTAR		18—7		7	393	September 10	92	August 6	76	December 31	52	December 31	42
MALTA		18—7		7	231	July 27	95	July 27, August 18, 22, 29, September 12	77	January 14	50	Jan. 12, 15, Feb. 19, December 30	43

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	16	12	3	0	0	5	7	12	4	0	4	10	9	7	1	8	8	3	8	3	3	7	8	4	9	3	8	11	3	5
Aberdeen	15	9	7	0	0	6	6	9	7	0	6	10	11	4	0	11	9	4	3	3	4	5	12	4	6	2	7	7	5	9
Cockle Park ..	15	9	7	0	0	6	7	8	7	0	7	13	8	3	0	12	19	4	3	2	5	5	10	7	4	1	12	5	7	5
Cambridge	17	6	6	2	0	12	6	7	3	0	6	11	8	6	0	8	10	7	3	2	6	5	7	7	6	0	10	6	7	7
Birmingham ..	18	6	6	1	0	9	9	8	2	0	8	9	9	5	0	7	9	5	6	3	5	5	5	6	10	1	11	7	6	5
Kew Observatory ..	14	10	5	2	0	9	11	5	3	0	6	10	7	6	2	4	13	6	4	3	3	8	7	5	8	0	3	9	11	7
Southampton ..	15	8	4	4	0	9	11	4	4	0	5	6	9	9	2	1	14	4	6	5	2	8	6	3	12	0	4	8	9	9
Rothesay	17	11	3	0	0	9	10	3	6	0	8	9	2	8	4	10	12	5	1	2	4	2	8	7	10	6	7	3	4	10
Renfrew (Abbotsinch)	17	12	2	0	0	9	7	8	4	0	8	9	8	5	1	7	14	4	4	1	1	7	10	6	7	5	6	2	5	12
Eskdalemuir ..	19	9	3	0	0	10	6	8	4	0	6	12	4	9	0	9	13	4	2	2	4	8	6	8	5	6	6	4	7	7
Douglas	12	15	4	0	0	11	4	7	6	0	5	8	7	7	4	5	11	4	7	3	0	7	7	4	13	5	3	6	5	11
Southport	15	15	1	0	0	10	7	8	3	0	6	11	6	5	3	4	13	4	6	3	1	7	7	5	11	1	12	4	6	7
Stonyhurst	16	13	1	1	0	12	6	7	3	0	7	13	5	3	3	3	18	3	4	2	0	8	11	7	5	3	12	6	2	7
Holyhead	13	13	5	0	0	10	9	6	3	0	5	12	3	6	5	3	11	6	5	5	2	2	8	5	14	4	7	7	1	11
Falmouth	15	12	3	1	0	7	11	8	2	0	5	7	7	8	4	6	7	7	6	4	3	7	4	9	8	1	6	7	5	11
Markree Castle ..	9	17	5	0	0	9	10	9	0	0	4	10	6	9	2	7	14	5	3	1	2	3	11	4	11	8	6	7	6	3
Armagh	11	12	7	1	0	8	9	7	4	0	7	12	5	5	2	12	11	6	1	0	1	6	6	10	8	4	12	8	2	4
Dublin (Phoenix Park)	9	14	5	3	0	6	12	2	8	0	6	15	3	3	4	9	9	6	5	1	2	7	3	8	11	5	12	5	5	3
Birr Castle	11	16	3	1	0	7	11	6	4	0	6	10	6	5	4	5	15	6	4	0	2	6	6	4	13	3	13	9	3	2
Valentia Observatory	13	15	3	0	0	6	15	6	1	0	5	8	7	8	3	7	11	5	3	4	2	5	7	6	11	4	6	9	5	6

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.
		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.
Kirkwall ..	30	33	12	44	27	35	4, 5	40	11, 12	35	20	38	2, 3, 4	42	30	46	6	48	27, 29	48	2	48	27	54
Aberdeen ..	30	35	9, 12	44	28	36	4	41	13	35	19	39	2	42	30	47	9	46	29	52	3	51	5	56
Cockle Park	30	34	3	46	25	38	3	43	11, 12, 13	35	18	35	2, 4, 5	42	10	44	10	47	29	48	2, 18	53	5	55
Cambridge ..	29	30	24	48	28	38	3	50	7	35	18	44	17, 29	48	10	51	9	47	24	56	17	56	11	56
Birmingham	29	30	3, 13	48	28	32	3	49	6, 11	35	18	43	2, 17	46	10	51	9	45	26	57	3	57	5	56
Kew Obs. ..	29	32	3	48	28	36	3	50	8	37	17	46	29	49	7	51	9	52	23	57	19	61	12	62
Southampton	29	34	3, 22	48	28	40	3	49	8	37	17, 18	46	15	50	29	52	9, 13, 15, 16	55	26	58	3	61	11	59
Rothesay ..	30	35	9	46	27	37	4	43	12	35	19, 20	40	4	44	29	48	10	48	25	51	2, 3	54	27	53
Renfrew (Abbotsinch)	29, 30	35	4	48	27	37	4	46	12	35	19, 20	41	4, 16	45	10	50	9	49	29	56	3	55	14	56
Eskdalemuir	29	31	3	44	28	32	3	43	10	29	20	37	4	42	7	46	10	44	7	47	3	54	13	53
Douglas ..	29	36	4	47	8	40	4	46	11	37	19	42	2, 17	45	24	48	5, 9, 10, 12	52	29	52	2	52	24	55
Southport ..	26	34	4	47	28	39	4	46	9, 11	37	18, 19	43	17	46	10	52	8	53	25	55	2	51	5, 28	57
Stonyhurst	26	32	4	46	28	35	4	46	11	34	19	43	4	45	10	51	5, 12	52	29	57	1	54	6, 28	56
Holyhead ..	30	36	3, 4	49	28	41	3	48	11	37	17, 18, 19	44	2, 17, 20	48	10, 24, 25	48	12	51	29	57	3	53	11	55
Falmouth ..	28, 29	42	1	49	28	42	4, 19	50	8	39	17	48	9	48	28	52	2	52	29	54	1, 2	61	11	57
Markree Castle	30	35	3	45	28	40	3, 14	44	12	35	18	43	2	46	25, 27	51	9	53	29	51	2	55	12	58
Armagh ..	30	35	3	48	27	39	3	45	12	34	19	42	3	44	7, 28	50	9	51	28, 29	55	2	56	5	57
Dublin (Phoenix Pk.)	30	36	12	49	8, 28	41	14	47	7, 13	36	20	43	3	45	7, 29	51	9	51	25, 29	54	2	56	5	58
Birr Castle ..	20	34	12	49	27	38	14	49	11	33	17	44	3	44	24	52	9, 12	55	29	55	2	56	5	57
Valentia Obs.	29	39	3	50	28	41	3	49	12	39	18, 19	46	14, 17	50	22	52	9	55	28	54	1	56	16	57

TABLE VIII [1914].—NUMBER of DAYS in the YEAR with RAINFALL between given limits.

STATION.	0 in. 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	136	79	104	37	6	1	2	0
Aberdeen	159	69	82	31	17	5	1	1
Cockle Park	145	76	88	32	13	7	1	3
Cambridge	207	38	71	31	11	5	1	1
Birmingham ..	192	47	74	35	14	2	0	1
Kew Observatory ..	201	58	54	27	20	2	2	1
Southampton ..	189	37	74	29	21	9	4	2
Rothesay	164	52	76	35	19	12	6	1
Renfrew (Abbotsinch)	176	53	76	36	14	10	0	0
Eskdalemuir ..	157	40	79	48	22	10	4	5
Douglas	173	51	67	37	19	10	4	4
Southport	197	49	75	33	9	2	0	0
Stonyhurst	161	71	77	37	14	0	1	4
Holyhead	172	63	75	30	15	7	0	3
Falmouth	182	43	63	37	26	6	4	4
Markree Castle ..	123	59	119	41	14	6	1	2
Armagh	161	62	90	34	10	4	4	0
Dublin (Phoenix Pk.)	154	85	88	23	8	4	0	3
Birr Castle	157	68	84	31	18	5	0	2
Valentia Obs. ..	123	52	83	57	18	14	8	10

(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.	> 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.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	> 9 hours.	
6	12	4	6	3	3	9	6	7	6	2	12	9	6	1	9	9	8	5	0	10	15	5	0	0	11	19	1	0	0	80	128	79	50	28	Kirkwall.
5	9	8	6	3	7	8	4	8	4	1	8	7	11	3	12	9	5	4	1	10	13	7	0	0	15	13	3	0	0	94	106	84	52	29	Aberdeen.
2	11	10	4	4	3	10	8	7	3	5	9	6	9	1	11	11	5	3	1	11	11	7	1	0	16	11	4	0	0	93	119	82	51	20	Cockle Park.
2	17	6	4	2	2	8	8	8	5	4	6	7	8	5	4	16	9	2	0	10	10	10	0	0	21	8	2	0	0	92	113	83	50	27	Cambridge.
3	14	7	6	1	2	5	10	5	9	1	8	10	9	2	7	13	9	2	0	16	3	9	2	0	19	9	3	0	0	96	101	88	50	30	Birmingham.
3	11	7	5	5	2	4	8	6	11	2	7	8	9	4	6	14	8	3	0	14	10	5	1	0	16	12	3	0	0	79	113	78	55	40	Kew Observatory.
4	10	5	4	8	1	4	6	9	11	2	7	6	11	4	6	9	12	3	1	11	10	7	2	0	16	8	6	1	0	72	99	77	65	52	Southampton.
5	10	6	5	5	6	7	5	7	6	7	7	4	8	4	12	6	8	5	0	11	14	3	2	0	16	7	8	0	0	111	102	58	53	41	Rothesay.
3	13	6	3	6	5	11	4	5	6	6	7	6	7	4	10	13	7	1	0	11	12	6	1	0	19	6	5	1	0	101	117	68	42	37	Renfrew (Abbotsinch).
4	16	7	2	2	3	12	6	1	9	5	7	9	7	2	12	10	3	4	2	9	11	7	3	0	11	11	9	0	0	98	121	70	47	29	Eskdalemuir.
2	10	6	9	4	2	5	6	10	8	4	9	4	6	7	8	9	8	3	3	13	8	5	4	0	14	12	4	1	0	81	101	68	62	53	Douglas.
2	15	4	4	6	0	12	4	4	11	2	8	8	7	5	9	9	8	4	1	12	8	5	5	0	11	13	6	1	0	73	130	65	50	47	Southport.
2	14	6	5	4	0	11	4	6	10	5	10	5	9	1	9	11	6	4	1	11	6	9	4	0	12	10	8	1	0	80	132	71	49	33	Stonyhurst.
4	9	9	2	7	1	11	7	6	6	3	9	6	7	5	10	8	6	3	4	11	11	6	2	0	13	13	5	0	0	79	115	74	40	57	Holyhead.
2	6	8	7	8	0	4	8	8	11	3	6	9	6	6	5	10	8	5	3	7	13	4	6	0	10	12	7	2	0	64	101	80	65	55	Falmouth.
9	7	6	5	4	3	10	6	5	7	5	12	4	7	2	7	12	10	2	0	11	13	5	1	0	14	10	7	0	0	88	124	81	42	30	Markree Castle.
9	11	4	5	2	2	13	6	3	7	5	11	5	8	1	10	12	6	2	1	10	12	6	2	0	15	11	3	2	0	94	132	69	45	25	Armagh.
5	10	4	9	3	2	8	10	2	9	3	12	7	6	2	5	13	7	6	0	13	10	5	2	0	14	13	3	1	0	79	135	60	58	33	Dublin (Phoenix Park).
9	10	5	3	4	1	11	3	10	6	0	18	6	5	1	9	9	6	7	0	9	13	6	2	0	14	12	5	0	0	76	144	67	48	30	Birr Castle.
8	11	6	3	3	2	9	9	3	8	3	13	8	3	3	10	8	7	4	2	7	10	3	10	0	11	16	2	2	0	78	127	72	48	40	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.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	
	°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		°F.					
27, 28	54	19	57	15, 31	57	1	56	9, 11	51	24	55	27	44	18	54	12, 27	40	2,3,4,5	49	12	33	1, 25	43	{Jan. 30 Dec. 12}	33	July 19	57	Kirkwall.
4	53	18	57	30	56	12	57	12	52	1	55	27	45	30	51	13	37	2	50	18	34	26	43	Dec. 18	34	{July 18 Aug. 12}	57	Aberdeen.
10	57	18	60	30	59	11	58	11, 16	54	6	58	27	46	1	53	20	36	2	49	10	32	27	42	Dec. 10	32	July 18	60	Cockle Park.
10,26, 27, 28	63	13	63	14, 27	65	11	62	19	54	7	61	13	51	7, 29	52	20	40	1	48	19	33	1	44	Jan. 29	30	July 13	63	Cambridge.
27	59	13	62	14	61	5, 10, 12	61	9	53	1, 7	58	19, 20 27	47	1	53	18	37	2	50	20	32	23	48	Jan. 29	30	July 13	62	Birmingham.
27	64	3	63	27	64	10	64	11, 19	57	7	61	13	52	28	53	21	37	7	48	19, 20	36	1	47	Jan. 29	32	Aug. 10	64	Kew Obs.
6	60	14	64	27	64	7	64	11	57	7	62	13	53	3	55	21	39	1	49	7	36	25	48	Jan. 29	34	{July 14 Aug. 7}	64	Southampton.
5	55	13, 14	55	16, 30	55	13	59	12	53	5	56	24, 27	47	17	52	19, 20 22	41	3	50	13, 18	35	26	46	{Jan. 30, Mar. 12 Dec. 13}	35	Aug. 13	59	Rothesay.
3, 5, 8	60	18	61	30	55	4, 14	58	12	53	1	59	25	45	16, 17	52	22	35	30	50	18	20	27	44	Dec. 18	20	July 18	61	Renfrew (Abbotsinch).
4	54	13	58	16	58	13	57	12	50	5	55	21, 23	47	2	50	20	36	7	46	18	23	24, 27	41	Dec. 18	23	July 13	58	Eskdalemuir.
4	56	18	57	16	60	1	62	21	54	12	56	23, 26	49	7, 8	52	18, 19	42	4	50	7, 8, 11	39	27	45	Jan. 29	36	Aug. 1	62	Douglas.
4, 7, 24, 26	59	18	62	14	61	13	61	12	57	6	61	27	50	1	55	18, 19	40	2, 5, 7 26	44	8, 18 19	35	23, 27	43	Jan. 26	34	July 18	62	Southport.
23	57	18	63	19	60	5, 13	60	13	53	1	59	20	48	1	54	19	36	2	49	8, 10	35	1	44	Jan. 26	32	July 18	63	Stonyhurst.
5	58	3, 18	58	16	60	13	61	12	56	1	60	27	51	7, 15	54	13	45	2, 5, 30	51	20	41	22, 24	48	Jan. 30	36	Aug. 13	61	Holyhead.
3, 5	62	13	62	14	65	11	64	16	59	1	64	23, 29	53	1	58	14	45	18	52	7, 9	39	25	51	{Mar. 8 Dec. 7, 9}	39	{Aug. 11 Sept. 1}	64	Falmouth.
8	57	2	59	29	61	4	57	18	53	23	57	25	47	17	52	14, 21	44	4	50	6, 18 19, 22	35	26	48	{Jan. 30 Mar. 12 Dec19,22}	35	July 2	59	Markree Castle.
8	57	2	60	29, 30	62	1	63	14	55	5	57	25	44	16, 17	51	22	42	3, 4	50	6	32	26	47	Dec. 6	32	Aug. 1	63	Armagh.
8	58	2	61	29	58	2, 5	57	14, 16	55	6	59	21	49	8	52	20	45	4	51	6	34	22, 26	46	Dec. 6	34	Aug. 2	61	Dublin (Phoenix Pk.)
8	57	14, 18	62	29	58	11	59	15	55	6	60	25	43	14, 16 20	50	21	41	4	52	6	31	24	49	Dec. 6	31	July 14,18	62	Birr Castle.
3	59	12	60	29	60	11	62	16	56	5	61	27	48	18, 19	54	10	44	3	54	9	38	26	50	Dec. 9	38	Aug. 11	62	Valentia.

TABLE IX [1913].—NUMBER of DAYS in the YEAR with MAXIMUM and MINIMUM TEMPERATURES between given limits.

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°.
Kirkwall ..	0	68	114	122	56	5	0	0	0	0	0	31	142	143	49	0
Aberdeen ..	0	70	113	99	74	9	0	0	0	0	2	51	116	136	60	0
Cockle Park	0	69	93	89	92	22	0	0	0	0	7	73	127	114	43	1
Cambridge ..	1	32	92	87	81	58	14	0	0	0	3	61	98	134	60	9
Birmingham	4	49	92	88	87	39	6	0	0	0	0	51	98	126	78	12
Kew Obs. ..	1	35	84	98	76	57	14	0	0	0	0	47	92	123	86	17
Southampton	0	18	91	97	91	59	9	0	0	0	0	39	89	138	86	13
Rothesay ..	0	44	121	99	97	4	0	0	0	0	0	36	115	154	60	0
Abbotsinch..	1	52	97	86	107	21	1	0	0	1	9	66	107	118	63	1
Eskdalemuir	10	77	89	98	83	8	0	0	0	5	19	84	128	102	27	0

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°.
Douglas ..	0	28	119	123	90	5	0	0	0	0	0	26	111	146	80	2
Southport ..	0	31	95	103	97	37	2	0	0	0	3	49	107	113	86	7
Stonyhurst ..	2	60	83	104	87	28	1	0	0	0	3	58	103	125	72	4
Holyhead ..	0	11	123	131	95	5	0	0	0	0	0	3	87	145	128	2
Falmouth ..	0	5	73	133	115	39	0	0	0	0	0	10	77	143	120	15
Markree Castle	0	21	108	104	116	15	1	0	0	0	11	52	110	126	66	0
Armagh ..	1	31	110	81	116	23	3	0	0	0	2	51	118	128	64	2
Dublin (Phoenix Pk.)	0	33	87	106	107	31	1	0	0	0	4	65	105	124	64	3
Birr Castle ..	2	30	96	95	117	23	2	0	0	0	6	55	103	130	67	4
Valentia Obs.	0	10	110	129	110	6	0	0	0	0	0	15	80	158	107	5

Wind Section.

TABLE X.—PARTICULARS OF ANEMOGRAPHS.

District and Station.	Type*	Anemograph in action from	"Analysis" published from	Height of Vane or Cups. Above Mean Sea Level.	Above Ground.	Effective Height.‡	NOTES.
				Ft.	Ft.	Ft.	
0. SCOTLAND, N.							
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	—	
„ ..	d	1907	1909–19	153	105	—	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 †	1922	1922	70	42	32 (1)	
Bell Rock ..	D †	1929	1930	130	—	126	Instrument is installed on Lighthouse top. (See *Met. Mag.*, 1929, p. 177).
Edinburgh ..	D	1915	1915	485	39	23	
6a. SCOTLAND, W.							
Tiree	D †	1926	1927	75	50	42	
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	New instrument with 1 inch pipes installed 11th August, 1933.
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	New instrument with 1 inch pipes installed 15th October, 1933.
Cranwell ..	D †	1927	1921	284	43	33	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.
Felixstowe ..	D †	1925	1925	65	50	40	Type A to 1930. Not in operation during 1936.
Mildenhall ..	D †	1935	1936	98	83	58	Change of site. September, 1937.
Cardington ..	D †	1928	1932	285	150	135	Vane on lattice mast 100 feet above adjacent buildings (see *Geophysical Memoirs*, 54, p. 14)
Shoeburyness ..	D	1902	1909	115	104	89	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.
4. MIDLAND COUNTIES.							
Birmingham ..	D	1923	1924	643	118	73	
5. ENGLAND, S.E.							
London (S. Kens.)	D †	1929	1930	137	110	30	Instrument is installed on the Science Museum roof.
Kew Obsy. ..	D †	1914	1914	92	75	50	Type R in action 1868-1929; type d 1896-1914.
Croydon ..	D †	1922	1922	313	105	70	New instrument, type D, on new site used since May, 1928. (See Preface 1928, p. xiv.)
Dover	d	1923	1924	66	66	60	Vane 32 feet above pier floor (see note p. 191); instrument was on another site 1908 to1918.
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.
Calshot.. ..	D †	1917	1920	58	50	42	Type A in action 1917—April, 1929.
Boscombe Down	D †	1932	1933	462	45	33	
Larkhill (Salisbury Plain)	D	1930	1930	491	51	36	Type D, from April, 1930. Until August, 1928, type A in operation on a different site. (See Table X, 1929).
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	Earlier instrument, type d, in use from 1895.
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	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.
Sealand ..	D †	1927	1924	81	65	42	Type A, in operation 1924—February, 1927.
8b. ENGLAND, S.W.							
Moretonhampst'd	D	1935	1936	838	40	35	
Plymouth ..	d †	1908	1909	185	88	65	
Falmouth ..	R †	1868	1909	208	41	—	The position of the observatory at Falmouth was changed in May, 1885.
The Lizard ..	D †	1935	1935	315	75	60	
Pendennis Castle	D †	1902	1909	256	65	42	New instrument installed August, 1929. Type d in operation 1902-1924 and during 1927.
9. IRELAND, N.							
Dunfanaghy ..	d	1926	1927	180	47	30	
Aldergrove ..	D †	1927	1927	328	60	42	Change of site. June, 1937.
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 Anemobiagraph 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 1937.	Duration Average.¶	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.			Hour ended at.			Speed.		Date.	
		hr.	hr.		hr.	hr.	hr.	hr.	hr.	°	mph	m/s.	month.	day.	hour.	mph	m/s.	month. day. h. m.	
0. Lerwick	40	335	250	167	1,569	3,731	2,732	393	0	130	54	24	Jan.	24	24	83	37	Jan. 25 15 00	
Kirkwall	16	120	59	116	1,039	3,579	3,573	414	35	160	53	24	Jan.	24	17	82	37	Jan. 24 17 10	
Stornoway	47	231	231	183	1,659	3,271	2,940	619	40	190	51	22	Jan.	9	02	76	34	Feb. 28 17 25	
1. §Aberdeen	0	0	3	26	138	1,944	4,788	1,890	0	150	32	14	Jan.	21	01	67	30	Jan. 21 00 35	
Bell Rock	62	347	272	192	1,722	3,745	2,344	602	0	20	60	27	Feb.	28	04	78	35	Feb. 28 03 25	
Edinburgh	3	6	21	65	434	2,935	4,078	1,307	0	180	43	19	Dec.	22	15	64	29	Jan. 22 16 35	
6a. Tiree	17	109	111	127	1,138	3,535	3,079	899	0	130	48	21	Jan.	20	17	75	33	Feb. 28 16 05	
Paisley	0	0	0·6	17	34	1,117	4,775	2,834	0	160 180	28	13	Jan. Dec.	20 24	24 13	57	25	Feb. 4 14 20	
Abbotsinch	0	0	7	28	83	1,699	4,244	2,734	0	290	33	15	Jan.	2	21	62	28	Jan. 22 16 40	
Eskdalemuir	3	13	39	73	446	2,404	3,963	1,934	0	20	51	23	Feb.	28	05	70	31	Jan. 22 16 05	
6b. Point of Ayre	17	88	131	129	1,099	3,545	3,049	976	3	10	49	22	Feb.	28	03	71	32	Feb. 28 02 30	
2. South Shields	11	62	16	71	476	2,918	4,244	1,060	0	360	57	25	Feb.	28	11	81	36	Feb. 28 10 40	
Catterick	0	0	2	9	35	1,154	4,593	2,978	0	360	35	16	Feb.	28	12	68	30	Feb. 28 10 30	
Spurn Head	12	46	51	119	1,010	3,614	3,472	589	29	310	43	19	Jan.	18	23	64	29	Jan. 4 17 25	
Cranwell	0	0	3	17	56	1,826	4,827	2,051	0	300	33	15	Jan.	18	19	53	24	Jan. 6 11 20	
3. Gorleston	1	1	13	53	351	2,352	4,937	1,119	0	150	40	18	Dec.	13	12	62	28	Dec. 13 11 35	
Mildenhall	0	0	0	22	88	2,177	5,253	1,213	29	160	32	14	Dec.	13	12	56	25	Jan. 18 20 20 Dec. 13 11 10	
Cardington	0	0	30	59	337	2,697	4,266	1,400	60	340	38	17	Feb.	28	19	63	28	Feb. 27 14 35	
Shoeburyness	4	5	21	67	424	3,455	4,224	652	0	170	42	19	Oct.	23	20	61	27	Feb. 16 14 05	
4. Birmingham	0	0	0·4	23	64	2,069	5,190	693	0	320	38	17	Feb.	28	16	57	25	Jan. 20 22 25	
5. London (S. Kens.)	0	0	0	0	0	542	6,683	1,526	9	50	24	11	Jan.	28	10	59	26	Jan. 7 13 50 Feb. 26 16 55	
Kew Observatory	0	0	0·1	3	12	1,521	5,357	1,870	0	10	29	13	Jan.	27	20	57	25	Feb. 16 12 50	
Croydon	0	0	3	39	216	2,781	4,569	1,194	0	280	35	16	Jan.	18	18	60	27	Jan. 18 17 05 Feb. 28 19 10	
Dover	3	10	18	62	355	3,472	4,288	554	81	—	43	19	Oct.	23	19	66	29	Oct. 23 18 40	
Lympne	0	0	15	48	221	2,676	5,098	765	0	200	38	17	Dec.	11	01	67	30	Oct. 23 19 40	
Calshot	3	3	22	63	387	2,667	4,660	1,043	0	180 320 150	39	17	Jan. Feb. Oct.	21 28 23	03 18 15	68	30	Jan. 18 16 15	
Boscombe Down	2	3	4	36	169	2,121	5,056	1,411	0	330	41	18	Feb.	28	15	67	30	Feb. 28 15 00 Oct. 25 04 15	
Larkhill	1	5	10	50	282	2,838	4,682	953	0	330	45	20	Feb.	28	15	68	30	Feb. 28 13 50	
7a. Fleetwood	2	9	77	77	580	2,906	4,238	1,027	0	40	45	20	Feb.	28	05	69	31	Feb. 28 09 30	
Manchester (Barton)	3	7	30	46	313	2,271	4,172	1,978	19	80	43	19	Jan.	28	13	66	29	Feb. 28 07 20	
Southport	4	16	102	76	611	2,769	4,568	796	0	10	46	21	Feb.	28	08	68	30	Feb. 28 09 25	
Liverpool	3	5	50	65	548	2,960	3,972	1,162	113	280	41	18	Feb.	17	03	72	32	Feb. 27 16 30	
7b. Holyhead	12	75	92	107	801	3,928	3,228	728	0	340	64	29	Feb.	28	05	107	48	Feb. 28 04 00	
Sealand	2	5	8	48	220	2,041	4,403	1,999	92	290	43	19	Feb.	27	17	70	31	Feb. 28 10 15	
8. Moretonhampstead	1	1	3	34	164	1,804	4,123	2,612	56	310	39	17	Jan.	18	14	75	33	Jan. 18 13 10	
Plymouth	12	41	50	59	397	2,165	4,309	1,627	221	—	56	25	Jan.	20	22	73	33	Jan. 20 20 55	
Lizard	31	152	202	135	1,231	3,364	3,147	862	4	270	55	25	Apr.	20	15	82	37	Jan. 20 20 15	
Pendennis Castle	32	183	266	150	1,201	3,180	3,369	813	14	—	58	26	Jan.	17	06	77	34	Jan. 20 19 20	
9. Aldergrove	0	0	0·8	25	147	1,964	4,644	1,977	28	120	33	15	Nov.	17	04	61	27	Jan. 20 18 55	
10. Quilty	3	9	43	85	592	3,507	3,705	894	53	—	43	19	Feb.	26	21	62	28	Feb. 27 19 20	
Valentia Observatory.	2	5	16	86	455	3,704	3,500	1,096	0	160	41	19	Mar.	30	14	76	34	Mar. 30 13 15	
11. St. Mary's	30	177	141	148	1,422	3,934	2,727	496	4	280 330	51	23	Apr. Oct.	20 23	14 11	82	37	Oct. 23 07 20	

¶ First year of analysis (see Table X) to date.

§ *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 Presssure 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 XIIA [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	480	143	162	57	46	164	24	22	163	104	182	150	1697	208	23	29	0	8	24	0	4	39	23	7	33	398
Kirkwall	395	149	169	50	54	106	8	40	116	53	114	102	1356	161	15	14	0	1	1	0	0	15	11	2	1	221
Stornoway	353	228	148	9	60	68	31	49	134	61	115	152	1408	79	30	20	0	2	1	1	3	12	3	8	12	171
1. §Aberdeen	245	69	64	0	4	17	7	9	26	2	29	22	494	16	1	0	0	0	0	0	0	0	0	0	0	17
Bell Rock	369	134	134	6	7	21	20	4	37	49	84	164	1029	98	19	3	0	1	4	0	0	1	2	2	45	175
6*a*. Tiree	358	263	171	2	12	30	2	6	61	25	98	110	1138	65	53	24	0	0	3	0	0	1	0	16	6	168
Abbotsinch ..	147	80	27	9	12	19	3	1	50	5	2	10	365	6	3	1	0	0	0	0	0	0	0	0	0	10
Eskdalemuir ..	227	166	71	12	20	26	13	3	74	9	15	77	713	22	11	3	0	1	0	0	0	2	0	0	0	39
6*b*. Point of Ayre ..	310	210	95	7	18	15	10	11	37	23	74	114	924	38	28	6	0	0	0	0	0	0	1	21	1	95
2. South Shields ..	192	98	38	6	5	3	2	3	25	9	60	68	509	14	16	3	0	0	0	0	0	0	0	0	8	41
Catterick	56	50	1	1	8	2	1	0	5	0	1	10	135	0	7	0	0	0	0	0	0	0	0	0	0	7
Spurn Head ..	176	105	38	18	14	3	22	8	36	29	69	53	571	25	8	0	0	1	0	0	0	1	0	1	6	42
Cranwell	55	26	3	0	4	1	1	0	4	2	0	8	104	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Gorleston	94	43	8	1	1	2	5	1	17	48	57	42	319	1	0	0	0	0	0	0	0	0	4	0	4	9
Felixstowe	—	54	29	8	0	1	3	0	8	48	13	23	187	—	1	0	0	0	0	0	0	0	1	0	0	2
Mildenhall	85	67	15	0	7	1	2	0	7	24	5	17	230	1	0	0	0	0	0	0	0	0	0	0	1	2
Cardington ..	110	91	15	7	3	0	7	1	5	17	1	13	270	2	5	0	0	0	0	0	0	0	0	0	0	7
Shoeburyness ..	81	71	26	5	1	2	11	0	5	39	1	16	258	1	1	0	0	0	0	0	0	0	1	0	0	3
5. London (S. Ken.) ..	58	23	7	1	0	0	3	1	0	6	0	3	102	1	2	0	0	0	0	0	0	0	0	0	0	3
Kew	57	35	8	2	1	1	8	0	5	9	0	10	136	0	1	0	0	0	0	0	0	0	0	0	0	1
Croydon	142	101	24	6	3	0	10	1	3	25	0	15	330	5	2	0	0	0	0	0	0	0	0	0	0	7
Lympne	101	82	45	18	8	1	10	0	19	54	0	33	371	4	9	1	0	0	0	0	0	0	6	0	7	27
Calshot	82	71	23	12	11	1	14	0	3	32	15	19	283	3	7	0	0	0	0	0	0	0	2	0	0	12
Boscombe Down ..	103	77	34	28	1	0	2	0	0	22	1	16	284	4	11	0	0	0	0	0	0	0	1	0	0	16
Larkhill	108	109	31	32	4	1	5	0	2	14	1	10	317	2	13	0	0	0	0	0	0	0	1	0	0	16
7*a*. Fleetwood	225	149	34	8	16	22	22	39	31	10	12	24	592	5	14	3	0	0	0	0	0	0	0	0	0	22
Manchester ..	180	130	31	14	14	5	18	7	1	11	23	14	448	25	11	7	0	0	0	0	0	0	0	0	0	43
Southport	195	140	27	4	14	11	21	18	19	7	5	7	468	6	13	11	0	0	0	0	0	0	0	0	0	30
7*b*. Holyhead	283	175	60	35	8	8	17	8	29	31	27	129	810	24	40	17	0	0	0	0	0	0	9	0	7	97
Sealand	84	101	17	26	6	4	3	2	4	3	1	8	259	1	12	0	0	0	0	0	0	0	0	0	0	13
8*b*. Moretonhampstead	125	129	55	50	3	0	7	1	0	13	10	20	413	12	14	1	4	0	0	0	0	0	0	0	0	31
The Lizard ..	292	248	190	68	1	0	8	9	20	44	46	157	1083	53	55	32	11	0	0	0	0	0	12	10	19	192
Pendennis Castle ..	289	221	169	97	17	3	43	7	11	39	33	131	1060	64	42	20	13	0	0	1	0	0	10	8	6	164
9. Aldergrove ..	114	76	(51)	4	0	7	3	0	7	2	62	24	350	14	3	(1)	0	0	0	0	0	0	0	4	0	22
10. Valentia	224	168	91	52	34	3	17	5	29	20	74	134	851	41	23	19	2	0	0	0	0	0	0	8	12	105
11. St. Mary's	289	213	189	72	13	5	15	8	32	44	45	196	1121	38	54	25	5	0	0	1	0	0	12	9	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	15	3	4	0	1	5	0	1	4	3	1	3	40	27	15	12	9	10	17	6	6	18	12	16	19	167
Kirkwall	12	1	2	0	0	0	0	0	0	1	0	0	16	24	15	16	9	6	6	1	4	10	6	7	12	116
Stornoway	12	10	5	0	0	2	1	1	7	2	4	5	49	29	22	17	9	13	11	6	9	18	7	13	21	175
1. §Aberdeen	0	0	0	0	0	0	0	0	0	0	0	0	0	16	2	5	0	0	0	0	1	2	0	0	0	26
Bell Rock	21	6	7	0	1	1	1	0	1	4	3	8	53	29	22	22	11	12	10	10	8	17	15	15	21	192
Edinburgh	1	0	0	0	0	0	0	0	0	0	0	2	3	21	9	5	3	3	3	3	0	7	2	2	7	65
6*a*. Tiree	8	5	3	0	0	0	0	0	0	0	0	1	17	25	21	15	3	7	4	1	5	15	8	10	13	127
Paisley	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	2	0	0	0	0	0	1	0	0	3	17
Abbotsinch ..	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	4	1	1	2	0	0	3	0	0	2	27
Eskdalemuir ..	2	1	0	0	0	0	0	0	0	0	0	0	3	19	17	8	3	4	2	2	1	9	1	0	7	73
6*b*. Point of Ayre ..	8	4	1	0	0	0	0	0	0	1	2	1	17	27	24	13	3	6	7	9	5	11	5	5	14	129
2. South Shields ..	4	3	1	0	0	0	0	0	0	0	0	3	11	19	9	8	4	2	0	2	0	4	4	8	11	71
Catterick	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	1	0	0	0	0	0	0	2	9
Spurn Head ..	6	3	0	0	1	0	0	0	0	0	0	2	12	24	23	13	7	4	7	5	6	4	9	7	10	119
Cranwell	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	1	0	1	0	0	0	0	1	0	4	17
3. Gorleston	0	0	0	0	0	0	0	0	0	0	0	1	1	12	8	5	0	1	1	1	1	1	8	4	11	53
Felixstowe	—	0	0	0	0	0	0	0	0	1	0	0	1	—	6	5	1	0	0	0	0	1	5	2	3	23
Mildenhall	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	2	0	1	0	0	0	0	3	1	3	22
Cardington ..	0	0	0	0	0	0	0	0	0	0	0	0	0	18	14	6	2	2	2	4	0	2	5	0	5	60
Shoeburyness ..	1	0	0	0	0	0	0	0	0	1	0	2	4	16	14	9	2	1	0	3	0	2	7	3	10	67
4. Birmingham ..	0	0	0	0	0	0	0	0	0	0	0	0	0	11	8	0	3	0	0	1	0	0	0	0	0	23
5. London (S. Ken.) ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kew Obsy. ..	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Croydon	0	0	0	0	0	0	0	0	0	0	0	0	0	14	12	4	1	1	0	2	0	0	2	0	3	39
Dover	0	0	0	0	0	0	0	0	0	1	0	2	3	12	11	10	2	0	2	2	1	3	8	2	9	62
Lympne	0	0	0	0	0	0	0	0	0	0	0	0	0	9	10	8	4	3	0	0	0	2	4	2	7	49
Calshot	1	1	0	0	0	0	0	0	0	1	0	0	3	17	11	10	4	2	0	2	0	2	5	3	7	63
Boscombe Down ..	1	1	0	0	0	0	0	0	0	0	0	0	2	13	10	5	3	0	0	1	0	0	2	0	2	36
Larkhill	0	1	0	0	0	0	0	0	0	0	0	0	1	16	14	6	5	2	0	1	0	1	2	0	3	50
7*a*. Fleetwood	1	1	0	0	0	0	0	0	0	0	0	0	2	16	17	7	3	1	7	6	5	4	4	1	6	77
Manchester (Barton)	1	1	1	0	0	0	0	0	0	0	0	0	3	15	15	3	3	2	2	2	1	0	1	1	1	46
Southport	1	2	1	0	0	0	0	0	0	0	0	0	4	14	19	8	4	2	5	6	5	5	5	0	3	76
Liverpool	0	3	0	0	0	0	0	0	0	0	0	0	3	16	18	3	4	2	3	4	4	2	2	1	6	65
7*b*. Holyhead	4	3	1	0	0	0	0	0	0	2	1	1	12	25	20	10	7	2	3	2	3	8	7	5	15	107
Sealand	0	2	0	0	0	0	0	0	0	0	0	0	2	12	14	3	4	1	1	3	2	1	0	1	6	48
8*b*. Moretonhampstead	1	0	0	0	0	0	0	0	0	0	0	0	1	10	10	5	4	0	0	1	0	0	1	0	3	34
Plymouth	8	1	1	0	0	0	0	0	0	2	0	0	12	16	10	8	4	2	0	2	0	2	3	5	7	59
The Lizard ..	12	8	4	2	0	0	0	0	0	1	1	3	31	28	22	19	11	3	0	4	1	8	6	12	21	135
Pendennis Castle ..	12	4	6	2	0	0	1	0	0	2	2	3	32	27	19	20	12	8	4	9	2	7	7	17	18	150
9. Aldergrove ..	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	4	0	0	1	0	0	0	0	4	1	25
10. Kingstown	5	3	—	—	0	0	0	0	0	0	1	0	9	25	21	—	—	1	5	7	5	8	5	9	14	100
Quilty	0	2	1	0	0	0	0	0	0	0	0	0	3	18	16	8	7	3	3	2	3	7	3	5	10	85
Valentia Obsy. ..	0	0	2	0	0	0	0	0	0	0	0	0	2	19	14	7	6	4	1	5	1	4	3	11	11	86
Cork	—	0	0	0	0	0	0	0	0	0	0	0	0	—	4	3	1	0	0	0	0	0	1	0	0	9
11. St. Mary's	8	7	5	2	0	0	0	0	0	1	1	6	30	28	21	22	11	4	3	8	3	12	8	12	16	148

† A day is counted in the first division of Table XIIB, if the mean speed for at least one complete period of 60 minutes ending at an exact hour of G.M.T. exceeds 38 mi/hr. or 17·1 m/s. All days in the first division are also included in the second, which contains days on which the mean speed for any such period exceeds 24 mi/hr. or 10·7 m/s.
§*See* Notes Column of Table X.

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.		
			°	mi/hr.	m/s.	hr.	m.	mi/hr.	m/s.	
0. Lerwick ..	January 18th	7	130	48	22	11	05	72	32	19h. on 17th to 17h. on 18th.
	,, 21st	12	150	51	23	10	35	78	35	20h. on 20th to 16h. on 21st.
	,, 22nd	9	140	50	22	05	15	78	35	2h. to 18h. on 22nd; 21h. on 22nd.
	,, 24th	24	130	54	24	23	10	78	35	12h. on 24th to 6h. on 26th.
	,, 25th	2	130	53	23	15	00	83	37	12h. on 24th to 6h. on 26th.
	,, 31st	12	130	47	21	10	00	76	34	1h. to 21h. on 31st.
	February 13th	21	170	50	22	22	15	76	34	2h. to 6h. on 13th; 17h. on 13th to 1h. on 14th.
	March 1st	21	20	49	22	20	25	69	31	12h. on 1st; 14h. on 1st to 3h. on 2nd.
	,, 2nd	1	30	47	21	01	00	65	29	14h. on 1st to 3h. on 2nd.
	September 7th	9	250	47	21	04	05	72	32	3h. to 15h. on 7th.
	December 5th	5	160	48	21	04	25	67	30	2h. to 18h. on 5th.
Kirkwall ..	January 21st	1	170	48	21	00	40	73	33	20h. on 20th to 7h. on 21st.
	,, 24th	17	160	53	24	17	10	82	37	12h. on 24th to 2h. on 26th.
	,, 25th	2	170	48	21	01	30	71	32	12h. on 24th to 2h. on 26th.
Stornoway ..	January 8th	23	190	47	21	22	35	65	29	7h. on 8th; 10h to 13h. on 8th; 17h. on 8th to 7h. on 9th.
	,, 9th	2	190	51	23	01	05	68	30	17h. on 8th to 7h. on 9th.
	,, 11th	11	170	47	21	10	30	60	27	10h. to 16h. on 11th; 19h. on 11th to 5h. on 12th.
	,, 15th	4	180	48	21	03	20	68	30	15h. on 14th to 21h. on 15th.
	February 5th	15	290	50	22	15	00	71	32	13h. to 20h. on 5th.
	March 1st	7	30	47	21	06	25	66	29	5h. to 13h. on 1st.
	November 5th	1	170	48	21	00	55	66	29	23h. on 4th to 4h. on 5th.
	December 22nd	15	190	48	21	14	35	68	30	15h. to 18h. on 22nd.
1. Bell Rock ..	January 4th	22	240	48	21	21	40	63	28	3h. on 4th ; 20h. on 4th to 1h. on 5th.
	,, 12th	10	160	47	21	09	50	60	27	1h. to 5h. on 12th; 8h. to 15h. on 12th.
	,, 17th	16	150	52	23	15	40	70	31	13h. on 17th to 7h. on 18th.
	,, 18th	{ 1 2 }	150	49	22	00	20	64	29	13h. on 17th to 7h. on 18th.
	,, 20th	23	160	58	26	22	30	74	33	17h. on 20th to 5h. on 21st.
	,, 21st	1	160	57	25	00	25	75	33	17h. on 20th to 5h. on 21st.
	,, 22nd	6	150	50	22	18	20	68	30	1h. to 12h. on 22nd; 18h. to 20h. on 22nd.
	,, 24th	15	140	49	22	14	45	67	30	12h. to 22h. on 24th.
	,, 30th	11	110	48	21	13	30	64	29	1h. to 2h. on 30th; 6h. to 20h. on 30th.
	February 27th	23	20	57	25	22	20	75	33	13h. to 19h. on 27th; 22h. on 27th to 14h. on 28th.
	,, 28th	4	20	60	27	03	25	78	35	22h. on 27th to 14h. on 28th.
	December 11th	9	80	47	21	07	50	63	28	1h. to 12h. on 11th; 17h. to 24h. on 11th.
	,, 13th	19	40	49	22	19	30	63	28	14h. on 13th to 3h. on 14th.
	,, 14th	12	10	52	23	11	25	66	29	14h. on 13th to 3h. on 14th; 7h. to 13h., 16h. to 17h., and 19h. to 21h. on 14th.
6a. Tiree ..	January 20th	17	130	48	21	17	25	73	33	12h. to 22h. on 20th.
	February 27th	24	10	47	21	23	20	71	32	5h. to 10h. on 27th; 19h. on 27th to 10h. on 28th.
	,, 28th	1	10	47	21	16	05	75	33	19h. on 27th to 10h. on 28th; 17h. on 28th to 14h. on 1st.
Eskdalemuir ..	February 28th	5	20	(52)	(23)	05	10	(67)	(30)	1h. to 7h. on 28th.
6b. Point of Ayre	February 28th	3	10	49	22	02	30	71	32	23h. on 27th to 9h. on 28th; 11h. to 13h. on 28th.
	November 17th	9	160	48	21	08	25	63	28	1h. to 3h., 5h. to 6h., 8h. to 16h., 18h. to 20h., 22h., and 24h. on 17th.
2. South Shields	February 28th	11	360	57	25	10	40	81	36	3h. to 16h. on 28th.
	December 11th	24	340	50	22	23	05	69	31	22h. on 11th to 3h. on 12th.
	December 12th	1	350	50	22	00	20	71	32	22h. on 11th to 3h. on 12th.

† 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.

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.	
7b. Holyhead ..	January 28th	20	80	47	21	19 20	70	31	16h. to 22h. on 28th.
	February 27th	15	330	47	21	14 55	71	32	13h. on 27th to 15h. on 28th.
	,, 28th	5	340	64	29	04 00	107	48	13h. on 27th to 15h. on 28th; 21h. to 22h. on 28th; 24h. on 28th.
	March 11th	10	70	51	23	09 35	77	34	2h. to 18h. on 11th.
8b. Plymouth ..	January 17th	8	—	50	22	07 15	63	28	5h. to 13h. on 17th.
	,, 20th	22	—	56	25	20 55	73	33	13h. on 20th; 15h. to 23h. on 20th.
8b. The Lizard ..	January 17th	5 / 6	140 / 150	53	24	04 30	76	34	1h. to 7 h. on 17th.
	,, 20th	20	160	53	24	20 15	82	37	12h. to 21h. on 20th.
	February 3rd	11	170	49	22	10 55	68	30	9h. to 12h. on 3rd.
	,, 28th	12	310	47	21	16 35	71	32	1h. on 28th; 5h. on 28th; 7h. to 18h. on 28th.
	April 20th	15	270	55	25	14 45	78	35	12h. to 18h. on 20th.
	October 23rd	16	310	51	23	14 00	80	36	14h. to 20h. on 23rd.
	November 16th	19	90	47	21	15 25	61	27	12h. to 23h. on 16th.
	December 10th	18	230	48	21	16 50	67	30	15h. to 19h. on 10th.
Falmouth ..	January 17th	6	210	58	26	05 10	75	33	1h. to 8h. on 17th; 17h. to 18h. on 17th.
	,, 20th	20	230	57	25	19 20	77	34	11h. to 21h. on 20th.
	,, 21st	20	210	48	21	19 30	64	29	17h. on 21st to 14h. on 22nd.
	,, 24th	10	210	47	21	06 45	65	29	6h. to 10h. on 24th.
	February 3rd	12	240	52	23	11 30	71	32	7h. to 14h. on 3rd.
	April 20th	15	310	54	24	14 55	87	39	12h. to 16h. on 20th.
	October 25th	12	120	47	21	01 35	64	29	2h. on 25th; 8h. to 11h. on 25th.
	November 16th	19	80	49	22	19 10	63	28	12h. on 16th to 2h. on 17th.
11. Scilly ..	January 17th	4	180	48	21	04 00	69	31	1h. to 5h. on 17th.
	February 27th	23	340	48	21	17 05	70	31	15h. to 18h. on 27th; 22h. on 27th to 6h. on 1st.
	,, 28th	16	10	47	21	15 10	78	35	22h. on 27th to 6h. on 1st.
	April 20th	14	280	51	23	13 00	75	33	12h. to 16h. on 20th.
	October 23rd	11	330	51	23	07 20	82	37	8h. on 23rd; 10h. to 22h. on 23rd.

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. 2, 3, 5, 9, 11, 12, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 30, 31; Feb. 6, 12, 13, 14, 15, 18; Mar. 1, 2, 3, 25, 31; May 27; June 1, 2, 10, 25, 26, 27; Aug. 8; Sept. 5, 6, 7, 8, 10, 24; Oct. 15, 16, 17; Nov. 12, 25; Dec. 2, 5, 24.
Kirkwall	Jan. 2, 3, 5, 11, 12, 15, 16, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 31; Feb. 5, 6, 13, 15, 27, 28; Mar. 1, 2, 21, 22, 25, 31; May 31; June 25; Sept. 6, 7, 8, 24; Oct. 15, 16, 17; Nov. 17, 25; Dec. 20.
Stornoway	Jan. 3, 5, 8, 9, 10, 11, 12, 14, 15, 20, 21, 22, 23, 24, 30; Feb. 5, 15, 16, 18, 19, 20, 25, 27, 28; Mar. 1, 16, 22, 24, 30, 31; May 29, 30; June 26; July 2; Aug. 24; Sept. 4, 5, 6, 7, 8, 16, 23, 24; Oct. 16, 17; Nov. 2, 3, 4, 5; Dec. 2, 10, 22, 24.
1§Aberdeen	Jan. 17, 18, 20, 21, 22, 24, 31; Feb. 28.
Bell Rock	Jan. 4, 5, 12, 15, 16, 17, 18, 20, 21, 22, 24, 25, 28, 29, 30, 31; Feb. 15, 25, 27, 28; Mar. 1, 16; May 21; June 28; Sept. 8; Oct. 16, 26; Nov. 17; Dec. 2, 3, 11, 13, 14.
Edinburgh	Jan. 2, 3, 4, 12, 22; Feb. 4, 18, 27, 28; Sept. 5; Dec. 13, 22.
6aTiree	Jan. 2, 4, 5, 6, 7, 12, 14, 15, 20, 21, 22, 24; Feb. 4, 5, 15, 18, 19, 20, 24, 25, 27, 28; Mar. 1, 30, 31; June 28; Sept. 8; Nov. 17, 18; Dec. 10, 20, 24.
Paisley	Jan. 21, 22; Feb. 4.
Abbotsinch	Jan. 2, 4, 22; Feb. 19, 20; Mar. 11.
Eskdalemuir	Jan. 2, 3, 4, 6, 7, 20, 22, 24; Feb. 4, 16, 20, 25, 28; Mar. 11, 16; May 5; Sept. 6, 7.
6bPoint of Ayre	Jan. 4, 7, 13, 15, 17, 20, 22, 24, 27, 28; Feb. 16, 17, 19, 20, 25, 27, 28; Mar. 11, 16; Oct. 26; Nov. 17, 18; Dec. 20.
2 South Shields	Jan. 28, 29, 30; Feb. 19, 27, 28; Mar. 22, 23; Dec. 3, 11, 12.
Catterick	Feb. 28.
Spurn Head	Jan. 4, 6, 7, 18, 28, 29; Feb. 18, 20, 25, 28; May 5; Sept. 11; Nov. 10; Dec. 10, 12, 13.
3 Gorleston	Jan. 4; Oct. 23, 25; Dec. 10, 13.
Felixstowe	Feb. 25; Oct. 23.
Mildenhall	Jan. 18; Dec. 13.
Cardington	Jan. 18, 21; Feb. 19, 20, 27, 28.
Shoeburyness	Jan. 18; Feb. 16; Oct. 23.
4 Birmingham	Jan. 20, 28.
5 London (Sth. Kens.)	Jan. 7; Feb. 26, 28.
Kew	Feb. 16.
Croydon	Jan. 18, 21, 24; Feb. 27, 28.
Dover	Jan. 18; Feb. 27, 28; Oct. 23; Dec. 10, 11, 13.
Lympne	Jan. 18; Feb. 16, 19, 26, 27, 28; Mar. 12; Oct. 23; Dec. 10, 11, 13.
Calshot	Jan. 18, 21; Feb. 16, 26, 27, 28; Oct. 23.
Boscombe Down	Jan. 20, 21; Feb. 16, 19, 26, 28; Oct. 25.
Larkhill	Jan. 18, 20; Feb. 16, 19, 26, 27, 28; Oct. 25.
7aFleetwood	Jan. 7, 20; Feb. 18, 20, 27, 28; Mar. 11.
Manchester (Barton)	Jan. 2, 6, 7, 20, 22, 28, 29; Feb. 17, 28; Mar. 11.
Southport	Jan. 4, 7, 28; Feb. 16, 25, 27, 28; Mar. 11.
Liverpool (Bidston)	Jan. 2, 4, 6, 7, 17, 24, 28; Feb. 8, 9, 16, 17, 18, 19, 20, 25, 27, 28; Mar. 11, 22.
7bHolyhead	Jan. 4, 7, 12, 15, 16, 17, 20, 21, 22, 28; Feb. 16, 17, 20, 25, 27, 28; Mar. 11, 16; Oct. 23, 24, 26; Dec. 10, 11, 14.
Sealand	Jan. 6; Feb. 17, 27, 28.
8bMoretonhampstead	Jan. 6, 18, 20, 22; Feb. 3, 8, 19, 27, 28; Mar. 1; Apr. 16, 20.
Plymouth	Jan. 17, 20, 30; Feb. 3; Mar. 12; Oct. 25; Dec. 10.
The Lizard	Jan. 6, 15, 17, 18, 20, 21, 22, 23, 24, 27, 28; Feb. 3, 8, 9, 16, 25, 26, 27, 28; Mar. 1, 10, 11, 12, 16, 17, 18; Apr. 1, 16, 17, 20; Oct. 23, 25; Nov. 16; Dec. 1, 4, 5, 7, 10, 13, 14, 15.
Pendennis Castle	Jan. 6, 12, 15, 17, 18, 20, 21, 22, 23, 24, 27, 28, 30; Feb. 3, 8, 16, 19, 25, 26, 27, 28; Mar. 10, 11, 12, 16, 17, 18; Apr. 1, 16, 20; July 23; Oct. 23, 25; Nov. 16; Dec. 10, 13.
9 Aldergrove	Jan. 11, 12, 20, 21, 22, 24; Feb. 28; Mar. 11; Nov. 17.
10 Quilty	Jan. 13; Feb. 26, 27, 28.
Valentia	Jan. 6, 11, 15, 20, 21, 23, 24; Feb. 15, 16, 25, 26, 27, 28; Mar. 16, 17, 30; Apr. 15, 20; Nov. 4, 16, 17, 19; Dec. 4, 11, 15, 20.
Cork	Feb. 15, 16, 26, 27.
11 Scilly	Jan. 6, 15, 17, 18, 20, 21, 22, 23, 24; Feb. 8, 9, 16, 25, 26, 27, 28; Mar. 1, 10, 11, 12, 14, 16, 18; Apr. 16, 20; July 3; Oct. 23; Nov. 16; Dec. 2, 3, 4, 5, 10, 14, 15.

§ *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 1937, 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. Speed.		Date.
	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.p.h.	m/s.	m.p.h.	
0. Lerwick .. 1923	**37**	34	31	23	30	31	21	27	32	33	35	30	30	68	43	95	Jan. 14 1925
Kirkwall .. 1930	**37**	32	34	22	25	25	18	23	26	31	25	25	27	60	40	89	Feb. 7 1934
Stornoway .. 1937	31	**34**	29	21	25	25	25	25	28	26	29	30	27	61	34	76	Feb. 28 1937
1. §Aberdeen .. 1912	**39**	25	22	16	20	20	19	20	24	19	22	22	22	48	37	82	Oct. 25 1917
Bell Rock .. 1930	33	**35**	26	21	25	26	22	18	25	25	25	29	26	58	45	101	Oct. 19 1935
Edinburgh .. 1915	**29**	26	21	20	23	24	23	17	26	20	21	28	23	52	38	85	Jan. 28 1927 Dec. 16 1936
6*a*. Tiree .. 1927	**33**	**33**	29	19	20	25	21	20	25	21	27	26	25	56	48	108	Jan. 28 1927
Paisley .. 1914	**25**	**25**	24	21	20	19	17	17	24	17	18	23	21	47	47	104	Jan. 28 1927
Abbotsinch .. 1934	**28**	25	25	21	24	23	18	18	23	18	18	23	22	49	41	92	Oct. 19 1935
Eskdalemuir .. 1912	**31**	30	25	24	26	24	19	19	26	21	21	24	24	54	40	90	Oct. 25 1917
6*b*. Point of Ayre 1936	29	**32**	26	18	20	22	21	20	22	26	28	25	24	54	40	90	Dec. 6 1936
2. South Shields 1912	26	**36**	27	20	21	18	19	18	23	20	24	32	24	53	39	87	Nov. 23 1928 Jan. 25, 26 1935
Catterick .. 1932	23	**30**	18	18	22	18	18	17	19	17	18	20	20	44	39	88	Jan. 9 1936
Spurn Head .. 1913	**29**	28	24	21	27	19	22	21	25	24	25	26	24	54	38	84	Jan. 6 1928
Cranwell .. 1921	**24**	22	18	17	21	18	22	16	18	22	17	21	20	44	36	80	Oct. 29 1927
3. Gorleston .. 1912	26	21	21	17	23	19	21	18	21	25	22	**28**	22	49	35	77	Nov. 6 1921
Felixstowe .. 1925	—	**25**	22	20	16	21	18	17	21	**25**	21	24	21	47	32	72	Sept. 17 1935
Mildenhall .. 1936	**25**	22	22	17	21	17	20	16	18	24	19	**25**	21	46	29	66	Oct. 26 1936
Cardington .. 1932	25	**28**	20	21	19	16	19	19	21	24	17	23	21	47	39	88	Sept. 17 1935
Shoeburyness 1912	26	**27**	21	19	19	19	19	16	20	26	17	24	21	47	37	83	Jan. 12 1930
4. Birmingham 1924	**25**	24	20	19	17	15	18	17	14	19	16	19	19	42	35	78	Feb. 9 1925 Feb. 11 1928 Nov. 22 1930 Jan. 6 1932
5. London .. 1930	**26**	**26**	19	17	18	17	17	18	17	20	17	18	19	43	31	70	Jan. 12 1930
Kew 1912	23	**25**	20	19	18	21	19	16	19	21	15	19	20	44	32	72	Mar. 28 1916 Dec. 14 1936
Croydon .. 1922	**27**	**27**	21	19	17	17	19	17	19	21	16	22	20	45	36	81	Nov. 16 1928
Dover .. 1924	25	25	21	20	19	17	20	18	20	**29**	18	**29**	22	49	38	85	Mar. 28 1916
Lympne .. 1923	27	28	29	22	19	19	20	17	21	**30**	17	29	23	52	37	82	Nov. 9 1936
Calshot .. 1921	**30**	28	22	21	21	21	22	15	17	27	21	23	22	50	36	81	Dec. 29 1929 Sept. 17 1935
Boscombe Down 1933	28	**30**	20	21	17	16	19	14	17	**30**	17	21	21	47	32	72	Jan. 14 1934 Sept. 17 1935
Larkhill .. 1921	26	**30**	22	22	20	20	19	14	20	29	18	19	22	48	36	80	Sept. 17 1935
7*a*. Fleetwood .. 1924	25	**31**	26	18	**21**	21	21	21	22	21	23	21	23	51	40	89	Dec. 6 1936
Manchester .. 1934	28	**29**	28	21	23	19	20	23	18	21	23	22	23	51	39	88	Jan. 9 1936
Southport .. 1912	26	**30**	28	20	21	20	24	20	21	21	19	19	22	50	43	96	Oct. 29 1927
Liverpool .. 1929	28	**32**	27	24	22	20	23	23	24	24	21	22	24	54	41	92	Jan. 9 1936
7*b*. Holyhead .. 1912	37	**48**	34	23	19	19	19	19	22	28	23	27	27	59	48	107	Feb. 28 1937
Sealand .. 1925	26	**31**	22	23	19	19	19	17	18	19	17	22	21	47	39	88	Nov. 25 1928
8*b*. Moreton-hampstead 1936	**33**	29	28	28	19	16	20	18	17	24	20	23	23	51	37	82	Jan. 9 1936
Plymouth .. 1912	**33**	25	29	22	17	13	17	16	17	30	22	26	22	50	43	96	Mar. 8 1922
The Lizard .. 1935	**37**	33	30	35	18	17	24	22	22	36	27	31	28	62	41	92	Sept. 16 1935
PendennisCastle 1912	34	32	31	**39**	21	17	28	19	24	32	28	29	28	62	46	103	Mar. 14 1905 Mar. 8 1922 Dec. 6 1929
9. Aldergrove .. 1927	**27**	26	26	18	17	21	19	17	19	20	**27**	21	21	48	38	84	Nov. 23 1928
10. Quilty .. 1912	25	**28**	24	21	17	16	17	16	21	19	18	24	21	46	> 50*	> 111*	Jan. 27 1920
Valentia .. 1917	31	30	**34**	27	22	18	23	22	22	24	28	28	26	57	43	96	Dec. 31 1932
Cork 1934	—	**30**	22	21	17	16	17	16	16	23	21	16	19	44	31	69	May 6 1934
11. St. Mary's .. 1912	33	**35**	29	33	23	19	26	23	22	37	26	31	28	63	49	111	Dec. 6 1929

† For the equivalent speeds in miles per hour reference should be made to the monthly issues. § See " Notes " column of Table X.

* This gust occurred as an isolated gust at a time when the mean wind speed was 23 m/s. It appeared very exceptional and apparently artificial. The custodian of the instrument affirmed in reply to an inquiry that the record had not been tampered with : unfortunately the circumstances at the time prevented personal investigation on the spot by a meteorological expert. Accordingly the record has been published, in the absence of any positive external evidence of its apparently artificial nature.

TABLE XVII [1934].—WEEKLY VALUES of MEAN VELOCITIES of Wind Components. Means of Values at the hours 3h., 9h., 15h. and 21h.

Week ending 1937	YARMOUTH (Gorleston). S.	N.	W.	E.	HOLYHEAD. S.	N.	W.	E.	SCILLY. S.	N.	W.	E.	KINGSTOWN. S.	N.	W.	E.
	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.
January 2nd	5·1	0·0	2·1	3·5	5·0	3·3	6·9	2·3	6·6	6·4	9·2	3·3	5·9	0·8	5·3	2·0
,, 9th	4·1	1·0	4·6	1·6	7·0	5·3	8·7	0·0	7·4	5·3	8·5	0·0	5·8	0·0	9·3	1·5
,, 16th	6·0	3·2	1·8	2·7	7·5	2·4	3·4	2·0	9·1	6·0	5·2	1·3	7·1	1·0	4·3	2·5
,, 23rd	6·7	0·7	3·2	5·3	8·1	3·7	5·4	4·4	10·7	4·9	8·5	3·9	5·4	0·0	4·4	4·9
,, 30th	4·5	4·9	1·8	8·5	6·0	2·2	1·3	9·9	6·9	5·1	5·3	8·4	5·1	2·5	0·0	9·3
February 6th	6·0	3·1	2·6	2·7	5·1	2·8	4·7	1·4	6·9	4·6	6·4	3·8	3·7	1·4	4·7	2·0
,, 13th	2·5	1·7	4·6	4·8	4·3	5·5	8·2	6·2	4·1	7·8	6·1	2·1	3·7	3·6	8·6	6·6
,, 20th	3·6	2·6	4·0	2·9	4·4	5·3	8·0	1·7	4·7	7·6	8·1	0·0	4·3	3·5	8·9	1·1
,, 27th	4·6	2·1	4·5	8·4	4·2	7·6	7·7	4·4	5·3	8·0	9·7	1·9	5·7	5·2	6·9	4·3
March 6th	4·0	4·5	2·1	4·5	2·1	7·1	5·8	5·4	5·9	10·0	3·3	5·3	Defective			
,, 13th	4·8	5·6	2·0	4·6	1·6	4·1	1·3	7·3	6·6	4·5	7·6	8·0	,,			
,, 20th	4·7	2·8	6·3	3·0	5·4	6·2	4·0	3·1	7·7	7·8	6·6	9·8	,,			
,, 27th	1·9	3·5	3·2	0·0	2·9	6·6	4·9	3·1	2·6	7·3	5·4	4·7	,,			
April 3rd	1·5	1·9	3·0	3·5	4·1	2·0	1·6	6·1	7·7	3·7	2·8	4·5	,,			
,, 10th	3·1	1·6	1·5	2·7	5·8	2·8	3·5	3·0	7·0	3·8	5·3	3·4	,,			
,, 17th	3·2	4·0	3·4	2·0	3·6	4·5	7·2	4·9	4·4	5·9	8·3	2·4	,,			
,, 24th	2·7	2·7	3·1	2·7	3·5	3·6	5·3	1·3	4·9	3·8	8·4	5·6	,,			
May 1st	2·4	4·3	3·5	1·5	1·7	2·7	2·5	2·0	2·4	4·8	3·9	2·9	,,			
,, 8th	1·2	3·2	4·7	1·7	3·9	2·5	4·6	3·1	3·3	3·0	4·5	3·0	,,			
,, 15th	2·2	3·9	1·5	2·9	2·7	3·2	1·7	5·2	3·0	5·1	5·6	5·1	,,			
,, 22nd	4·4	4·8	2·2	2·3	5·0	3·5	2·0	2·9	5·0	2·8	4·4	2·7	4·1	2·1	2·0	1·3
,, 29th	3·3	3·1	3·1	3·7	5·4	0·0	2·9	1·6	6·1	3·7	2·7	5·3	5·1	1·0	3·1	1·5
June 5th	2·4	3·9	2·9	2·7	5·1	3·1	5·2	0·0	5·2	4·2	3·5	0·0	3·7	2·6	5·2	1·2
,, 12th	2·9	3·6	1·5	2·3	4·9	2·9	2·6	2·5	5·4	6·3	3·4	3·5	3·2	3·2	1·5	2·0
,, 19th	1·3	3·1	3·6	2·3	2·2	3·9	2·5	1·4	1·2	4·3	3·5	1·8	1·5	3·6	4·2	1·9
,, 26th	3·2	3·1	3·4	1·8	1·9	3·2	2·8	0·8	0·0	5·2	2·1	2·2	1·7	2·6	3·6	1·8

TABLE XVI [1912].—MAXIMUM VALUE of the MEAN SPEED for an Hour measured as in Table XIIB during each Month of 1937. 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/s.	m.p.h.	
0. Lerwick .. D	**24**	22	22	17	20	21	15	17	21	21	21	21	20	45	1·5
Kirkwall .. D	**24**	18	18	16	15	15	11	14	16	22	16	16	17	37	1·6
Stornoway .. D	**22**	**22**	21	16	17	18	17	19	20	18	21	21	19	43	1·4
1. §Aberdeen .. R	**14**	11	12	8	9	10	10	11	13	9	10	9	11	24	2·0
Bell Rock .. D	26	**27**	20	16	18	19	18	14	19	18	20	23	20	44	1·3
Edinburgh .. D	18	17	16	14	13	16	15	10	17	13	14	19	15	34	1·5
6*a*. Tiree .. .. D	**21**	**21**	19	13	13	17	13	13	16	16	17	20	17	37	1·5
Paisley .. D	**13**	12	11	9	11	9	9	8	11	8	8	**13**	10	23	2·1
Abbotsinch .. D	**15**	13	13	12	13	13	9	9	13	11	9	12	12	26	1·8
Eskdalemuir .. D	20	**23**	15	13	15	15	12	11	16	13	10	14	15	33	1·7
6*b*. Point of Ayre .. D	21	**22**	18	13	14	14	13	13	15	17	21	17	17	37	1·4
2. South Shields D	19	**25**	19	13	14	11	12	11	12	14	16	22	16	35	1·5
Catterick .. D	12	**16**	9	10	13	11	9	9	10	9	9	12	11	24	1·8
Spurn Head .. D	**19**	18	17	16	18	13	16	13	16	17	16	18	16	37	1·5
Cranwell .. D	**15**	13	12	9	11	8	9	9	10	12	10	13	11	24	1·8
3. Gorleston .. D	17	14	15	10	12	12	12	11	13	17	16	**18**	14	31	1·6
Felixstowe .. D	—	13	13	12	10	9	11	9	12	**18**	14	16	12	28	1·7
Mildenhall .. D	**14**	13	13	9	11	8	9	9	10	13	11	**14**	11	25	1·9
Cardington .. D	**17**	**17**	13	13	13	11	12	11	12	13	10	15	13	29	1·6
Shoeburyness D	17	15	16	11	12	10	14	9	13	**19**	14	17	14	31	1·5
4. Birmingham .. D	13	**17**	10	12	9	9	11	10	9	10	9	11	11	24	1·7
5. South Kensington D	**11**	9	8	7	7	6	8	7	6	7	7	8	8	17	2·4
Kew .. .. D	**13**	11	10	8	8	8	10	7	8	10	9	10	9	21	2·1
Croydon .. D	**16**	14	11	11	11	9	12	11	10	12	9	13	12	26	1·7
Dover .. .. d	16	15	17	12	11	12	12	11	14	**19**	13	18	14	32	1·6
Lympne .. D	14	16	13	13	13	11	10	9	12	16	12	**17**	13	29	1·8
Calshot .. D	**17**	**17**	14	14	14	9	15	10	12	**17**	16	16	14	32	1·6
Boscombe Down D	17	**18**	13	13	10	8	11	8	11	16	10	13	12	28	1·7
Larkhill .. D	16	**20**	15	14	12	10	11	9	11	13	10	13	13	29	1·7
7*a*. Fleetwood .. D	19	**20**	13	13	16	14	14	15	15	13	12	15	15	33	1·5
Manchester .. D	**19**	17	18	16	15	11	13	11	11	13	13	12	14	32	1·6
Southport .. D	18	**21**	17	13	14	14	16	15	14	13	11	12	15	33	1·5
Liverpool .. D	17	**18**	16	16	13	12	13	13	13	13	13	12	14	32	1·7
7*b*. Holyhead .. D	21	**29**	23	17	13	12	13	13	13	19	18	19	17	39	1·5
Sealand .. D	14	**19**	13	16	13	12	13	12	12	11	11	13	13	30	1·6
8*b*. Moretonhampstead D	**17**	**17**	12	15	10	8	11	9	9	13	10	13	12	27	1·9
Plymouth .. d	**25**	19	18	14	13	9	12	10	13	20	14	16	15	34	1·5
The Lizard .. D	24	22	21	**25**	13	10	17	15	14	23	21	21	19	42	1·5
Falmouth .. R	13	12	11	**14**	8	7	9	7	7	13	9	10	10	22	—
Pendennis Castle D	**26**	23	21	24	15	13	18	13	17	21	22	20	19	43	1·5
9. Aldergrove .. D	**15**	13	14	10	9	11	9	9	9	9	**15**	11	11	25	1·9
Armagh .. R	**15**	12	12	8	8	6	7	7	9	6	11	11	9	21	—
10. Kingstown .. R	**21**	19	—	—	—	14	13	15	14	14	21	16	16	36	—
Quilty .. d	16	**19**	18	14	13	12	13	11	13	13	13	16	14	32	1·5
Valentia .. D	17	16	**19**	14	12	11	12	12	12	14	14	14	14	31	1·9
Cork .. .. d	—	13	12	11	9	9	9	8	9	**14**	11	9	10	23	1·9
11. St. Mary's .. D	21	21	20	**23**	15	13	17	13	16	**23**	17	20	18	41	1·5

Note.—The highest mean speed recorded at M.O. Stations in the British Isles is 87 mi/hr., 35 m/s. This was recorded at Fleetwood on 22nd December, 1894. § See " Notes " column of Table X. † For the equivalent speeds in miles per hour reference should be made to the monthly issues. D Dines Pressure Tube Anemometer and direction recorder. d Dines Pressure Tube Anemometer without direction recorder. R Robinson cup-anemograph.

TABLE XVII [1934] (*continued*).—WEEKLY VALUES of MEAN VELOCITIES of Wind Components. Means of Values at the Hours 3h., 9h., 15h. and 21h.

Week ending 1937	YARMOUTH (Gorleston)				HOLYHEAD.				SCILLY.				KINGSTOWN.			
	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.
	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.
July 3rd	2·9	1·8	3·1	2·9	4·3	4·3	4·9	0·0	4·5	4·9	7·1	2·3	3·6	2·2	7·3	0·9
„ 10th	3·1	1·0	2·6	1·4	5·2	3·6	4·7	0·0	6·1	3·9	6·0	0·0	4·1	3·1	6·0	1·7
„ 17th	2·4	1·9	4·1	2·8	4·6	3·1	2·3	2·0	3·4	4·5	6·0	4·6	3·5	2·0	4·1	1·9
„ 24th	3·0	2·3	2·9	2·4	4·2	2·5	4·2	8·8	4·4	3·3	5·8	0·7	3·2	2·1	6·2	1·7
„ 31st	0·9	3·2	2·8	1·2	2·2	3·1	3·8	1·3	2·2	2·9	3·3	5·0	2·6	2·4	4·3	1·8
August 7th	2·5	4·9	1·2	3·0	3·7	3·4	2·8	1·1	1·7	3·6	3·2	2·4	3·1	1·6	4·6	1·9
„ 14th	2·0	2·4	1·7	3·2	3·4	3·4	2·1	1·4	2·9	4·5	3·6	3·2	2·9	2·6	4·6	1·0
„ 21st	1·9	4·2	3·8	1·0	1·1	3·7	5·9	0·7	3·0	4·2	4·5	1·0	2·7	2·6	5·9	0·0
„ 28th	2·6	3·4	1·9	2·4	3·6	5·2	2·2	4·1	2·2	4·0	1·9	2·1	3·8	2·2	3·7	1·6
September 4th	2·9	1·1	2·0	2·7	6·0	3·5	3·7	0·9	4·0	1·4	4·1	1·8	3·9	2·1	4·7	1·5
„ 11th	3·2	6·2	3·0	3·8	6·3	7·1	5·5	2·1	4·2	9·2	3·7	3·7	5·0	4·0	5·9	2·8
„ 18th	4·2	5·4	2·1	2·7	3·7	4·3	4·3	4·2	4·1	6·0	6·6	3·8	2·3	2·9	5·4	3·9
„ 25th	2·6	4·0	2·0	2·6	4·6	4·8	3·3	2·3	3·9	5·8	3·7	4·0	3·5	2·2	3·5	2·3
October 2nd	2·5	2·0	3·6	3·1	4·4	5·4	3·7	1·7	4·3	5·0	2·8	3·0	3·8	2·9	3·7	1·7
„ 9th	0·0	4·7	3·5	5·8	1·5	2·5	3·9	6·2	1·3	3·8	1·7	3·0	1·3	2·3	3·4	4·9
„ 16th	1·3	3·8	2·2	0·0	2·7	3·0	5·3	2·4	1·6	2·3	2·6	4·9	1·1	1·7	4·0	1·9
„ 23rd	3·9	0·6	1·4	3·7	3·3	8·4	3·0	3·5	3·4	6·1	6·0	5·0	3·0	5·4	2·2	2·5
„ 30th	7·0	5·0	4·7	4·5	3·1	5·6	5·6	4·5	4·0	5·5	7·0	3·9	2·4	3·2	5·8	5·6
November 6th	2·3	2·7	0·0	3·9	5·2	1·9	0·9	5·2	5·7	4·6	2·4	4·5	5·3	2·3	2·1	2·7
„ 13th	0·9	5·1	4·0	3·1	1·3	6·6	4·0	3·8	1·8	5·2	1·1	4·6	2·4	3·4	4·2	6·2
„ 20th	1·7	2·0	3·2	10·1	2·7	3·7	5·0	6·8	5·6	2·6	8·0	7·3	8·7	1·8	4·9	6·9
„ 27th	1·8	3·9	1·8	2·7	2·0	2·0	4·4	6·3	3·1	2·9	2·3	6·0	2·7	3·2	3·1	6·0
December 4th	3·3	5·2	1·6	2·7	5·3	8·8	4·2	4·4	7·0	13·7	6·1	3·6	3·9	7·2	4·3	3·0
„ 11th	3·2	4·0	2·6	5·3	3·3	5·8	7·3	4·6	3·9	6·3	8·2	3·4	2·8	3·8	6·4	6·6
„ 18th	4·5	2·8	3·7	3·9	5·1	8·2	7·4	2·6	4·8	10·0	5·4	2·4	2·7	3·5	5·9	0·4
„ 25th	5·1	1·6	2·1	3·9	5·9	1·4	2·8	3·8	6·6	3·1	3·5	6·7	6·4	1·6	3·5	1·7

TABLE XVIII, FORMERLY XVII, [1917].—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of winds ot 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 ..	0	0	0	1	1	0	1	2	1	0	2	5	0	2	4	1	5	1	1	3	0	0	1	0	4	16	11	0
February ..	5	2	0	0	1	0	2	1	0	0	4	0	0	1	2	1	2	0	0	1	0	3	2	0	11	14	2	1
March	4	3	0	1	5	0	1	6	1	2	1	0	1	0	0	0	0	1	0	1	0	3	1	0	12	17	2	0
April	3	1	0	1	1	0	1	0	0	1	6	0	0	5	0	2	3	1	2	0	0	2	0	0	12	16	1	1
May	5	0	0	3	0	0	0	1	0	2	1	0	5	5	0	4	1	0	0	2	1	0	1	0	19	11	1	0
June	3	3	0	1	1	0	1	1	0	0	0	0	2	1	0	2	2	1	1	2	1	4	3	0	14	13	2	1
July	5	4	0	2	0	0	1	0	0	1	1	0	3	4	0	2	1	0	2	1	0	3	0	0	19	11	0	1
August	4	1	0	2	0	0	0	0	0	0	0	0	6	2	0	3	3	0	3	1	0	3	0	0	21	7	0	3
September ..	3	1	0	0	0	0	1	0	0	0	1	0	1	4	1	2	5	1	1	2	1	2	3	0	10	16	3	1
October ..	3	0	0	0	1	0	0	2	0	0	1	0	4	2	0	4	3	1	2	4	1	1	1	0	14	14	2	1
November ..	3	4	0	0	0	0	1	0	0	1	0	0	0	5	1	1	3	1	1	3	1	3	2	0	10	17	3	0
December ..	1	2	0	2	3	0	0	0	1	0	4	0	1	6	2	1	3	0	1	1	0	3	0	0	9	9	3	0
Year ..	39	21	0	13	13	0	9	13	3	7	21	5	23	37	10	23	31	7	14	21	5	27	14	0	155	171	30	9

STORNOWAY.

January ..	0	0	0	0	0	0	0	4	0	0	3	1	0	9	1	1	6	1	0	3	0	1	1	0	2	26	3	0
February ..	3	0	0	0	1	1	0	1	0	0	2	0	0	5	0	0	6	0	1	3	0	2	2	1	6	20	2	0
March	3	3	0	0	4	1	0	5	0	1	3	0	0	1	1	0	1	0	2	0	0	4	2	0	10	19	2	0
April	1	0	0	0	1	0	2	3	0	5	3	0	1	4	0	3	2	0	1	0	0	1	0	0	14	13	0	3
May	1	0	0	3	0	0	2	1	0	6	1	0	3	5	0	1	3	0	1	1	0	0	1	1	17	12	1	1
June	2	1	0	2	0	0	2	0	0	0	2	0	2	3	0	1	4	1	2	2	0	2	4	0	13	16	1	0
July	2	2	0	1	1	0	0	0	0	4	1	0	4	7	0	2	1	0	2	1	0	2	1	0	17	14	0	0
August	1	0	0	1	1	0	0	0	0	5	1	0	6	2	1	4	2	0	2	0	0	2	1	0	21	7	1	2
September ..	1	0	0	0	1	0	1	0	0	0	1	0	1	6	1	1	6	0	2	3	1	4	1	0	10	18	2	0
October ..	0	2	0	0	0	0	0	1	0	2	3	0	4	4	0	4	5	0	2	1	0	3	0	0	15	16	0	0
November ..	3	1	0	0	1	0	0	1	0	0	1	0	2	4	1	2	3	0	3	1	0	7	0	0	17	12	1	0
December ..	3	2	0	0	1	0	1	2	0	0	2	0	0	7	1	2	3	0	4	0	0	2	0	0	12	17	1	1
Year ..	20	11	0	7	11	2	8	18	0	23	23	1	23	57	6	21	42	2	22	15	1	30	13	2	154	190	14	7

ABERDEEN.

January ..	0	0	0	0	0	0	0	3	0	0	6	0	4	7	0	4	2	0	0	1	0	2	1	0	10	20	0	1
February ..	1	1	0	0	0	0	1	1	0	0	2	0	2	1	0	4	1	0	4	2	0	3	4	0	15	12	0	1
March	1	1	0	3	2	0	1	1	0	2	1	0	1	1	0	3	0	0	1	0	0	7	6	0	19	12	0	0
April	1	0	0	2	0	0	3	1	0	3	0	0	3	1	0	2	0	0	0	0	0	9	0	0	23	2	0	5
May	4	0	0	1	0	0	2	0	0	2	0	0	9	3	0	3	0	0	2	0	0	3	0	0	26	3	0	2
June	2	1	0	2	0	0	2	0	0	0	0	0	4	1	0	5	1	0	1	1	0	4	4	0	20	8	0	2
July	4	1	0	0	0	0	0	0	0	0	0	0	7	1	0	1	1	0	2	0	0	8	3	0	22	6	0	3
August	2	1	0	0	0	0	0	0	0	3	1	0	6	0	0	3	0	0	0	0	0	11	1	0	25	3	0	3
September ..	1	1	0	0	0	0	0	0	0	2	0	0	5	1	0	5	2	0	2	1	0	5	2	0	20	7	0	3
October ..	1	0	0	0	0	0	1	0	0	0	1	0	4	0	0	6	0	0	3	0	0	8	1	0	23	2	0	6
November ..	1	1	0	0	0	0	0	1	0	0	1	0	3	3	0	2	0	0	4	0	0	10	1	0	20	7	0	3
December ..	2	2	0	0	0	0	0	1	0	1	1	0	1	2	0	7	0	0	1	0	0	9	2	0	21	8	0	2
Year ..	20	9	0	8	2	0	10	8	0	13	13	0	49	21	0	45	7	0	20	5	0	79	25	0	244	90	0	31

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 ..	0	0	0	0	0	0	1	4	0	1	1	0	7	3	0	1	5	0	1	4	0	0	0	0	11	17	0	3
February ..	2	2	0	2	1	0	1	1	0	1	1	0	1	0	0	1	3	0	3	1	0	1	5	0	12	14	0	2
March	4	4	0	4	3	0	2	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	3	0	12	12	0	7
April	5	0	0	6	2	0	0	1	0	2	0	0	6	0	0	1	0	0	2	0	0	1	0	0	23	3	0	4
May	1	1	0	6	1	0	3	0	0	1	0	0	4	1	0	3	1	0	0	2	0	1	0	0	19	6	0	6
June	4	0	0	4	0	0	1	0	0	1	0	0	3	2	0	1	3	0	2	2	0	5	0	0	21	7	0	2
July	1	0	0	1	1	0	1	0	0	3	0	0	6	1	0	2	3	0	2	1	0	3	2	0	19	8	0	4
August	1	0	0	2	0	0	1	0	0	0	0	0	5	0	0	6	2	0	1	0	0	0	0	0	16	2	0	13
September ..	4	0	0	3	0	0	1	0	0	0	0	0	3	2	0	3	5	0	2	1	0	0	0	0	16	8	0	6
October ..	6	0	0	4	2	0	1	0	0	0	0	0	0	2	0	4	0	0	1	0	0	2	0	0	18	4	0	9
November ..	2	1	0	6	0	0	2	1	0	1	0	0	3	0	0	4	1	0	2	0	0	2	0	0	22	3	0	5
December ..	2	2	0	0	0	0	0	1	0	1	1	0	1	2	0	7	0	0	1	0	0	9	2	0	21	8	0	2
Year ..	32	10	0	38	10	0	14	8	0	11	3	0	40	14	0	33	23	0	17	12	0	25	12	0	210	92	0	63

TYNEMOUTH.

January ..	0	0	0	0	0	0	0	0	1	1	2	2	0	8	0	5	1	0	6	4	0	1	0	0	13	15	3	0
February ..	0	0	1	0	0	0	0	0	0	1	2	0	3	1	0	5	0	0	10	3	0	1	1	0	20	7	1	0
March	4	1	0	2	0	0	0	4	0	2	1	0	4	0	0	1	0	0	7	0	0	5	0	0	25	6	0	0
April	2	4	0	2	0	0	3	0	0	1	1	0	3	1	0	4	0	0	4	0	0	4	0	0	23	6	0	1
May	3	3	0	2	0	0	3	0	0	1	0	0	7	0	0	3	1	0	5	2	0	1	0	0	25	6	0	0
June	5	1	0	2	0	0	0	0	0	1	0	0	3	0	0	4	0	0	9	2	0	3	0	0	27	3	0	0
July	4	1	0	2	0	0	0	0	0	0	0	0	3	0	0	5	0	0	14	1	0	1	0	0	29	2	0	0
August	5	1	0	0	0	0	1	0	0	0	0	0	3	0	0	5	0	0	12	0	0	0	0	0	26	1	0	4
September ..	0	2	0	0	0	0	0	0	0	2	0	0	2	0	0	10	1	0	9	1	0	2	1	0	25	5	0	0
October ..	2	2	0	0	0	0	3	1	0	0	0	0	4	1	0	5	0	0	8	0	0	4	0	0	26	4	0	1
November ..	3	2	0	0	0	0	1	0	0	3	2	0	2	1	0	3	0	0	8	1	0	2	1	0	22	7	0	1
December ..	0	5	1	1	3	0	0	2	0	0	0	0	2	1	0	7	0	0	8	0	0	1	0	0	19	11	1	0
Year ..	28	22	2	11	3	0	11	7	1	12	8	2	36	13	0	57	3	0	100	14	0	25	3	0	280	73	5	7

YARMOUTH (GORLESTON).

January ..	0	0	0	2	3	0	0	1	0	1	5	0	1	7	0	3	3	0	1	2	0	2	0	0	10	21	0	0
February ..	0	0	1	0	0	0	1	1	0	0	1	0	4	6	0	3	3	0	3	5	0	0	1	0	11	17	0	0
March	2	2	0	2	7	0	0	1	0	2	0	0	1	2	0	2	2	0	3	1	0	2	1	0	14	16	0	1
April	1	2	0	2	1	0	2	0	0	3	0	0	2	1	0	1	1	0	2	0	0	7	2	0	20	7	0	3
May	4	2	0	3	0	0	1	0	0	4	0	0	2	2	0	2	1	0	2	1	0	3	0	0	21	6	0	4
June	1	0	0	1	0	0	0	0	0	3	0	0	0	0	0	7	0	0	10	3	0	3	1	0	25	4	0	1
July	2	1	0	0	0	0	0	0	0	4	0	0	3	1	0	6	0	0	10	1	0	2	0	0	27	3	0	1
August	1	2	0	3	0	0	3	0	0	5	1	0	0	1	0	2	0	0	3	0	0	5	1	0	22	5	0	4
September ..	0	2	0	0	1	0	0	0	0	3	1	0	5	1	0	7	0	0	4	0	0	0	5	0	19	10	0	1
October ..	2	3	0	2	3	0	0	0	0	3	2	0	2	2	0	2	0	0	5	0	0	2	0	0	18	10	0	3
November ..	0	2	0	0	1	0	2	3	0	2	1	0	0	0	0	7	0	0	7	0	0	2	2	0	20	9	0	1
December ..	3	0	0	1	4	0	1	0	0	1	1	0	3	2	0	2	1	0	6	0	0	5	1	0	22	9	0	0
Year ..	16	16	0	16	20	0	10	6	0	31	12	0	23	25	0	44	11	0	56	13	0	33	14	0	229	117	0	19

BIRMINGHAM (EDGBASTON).

January ..	1	0	0	0	1	0	2	2	0	2	1	0	10	2	0	4	2	0	3	1	0	0	0	0	22	9	0	0
February ..	1	1	0	1	0	0	1	0	0	2	0	0	4	2	0	5	0	0	4	4	0	1	2	0	19	9	0	0
March	3	1	0	6	1	0	2	1	0	4	0	0	4	0	0	1	0	0	2	1	0	4	1	0	26	5	0	0
April	3	0	0	5	1	0	4	0	0	1	0	0	4	0	0	2	0	0	3	0	0	3	3	0	25	4	0	1
May	1	0	0	5	0	0	3	0	0	3	0	0	5	0	0	3	0	0	4	0	0	5	0	0	29	0	0	2
June	5	1	0	2	0	0	1	0	0	0	0	0	4	0	0	6	0	0	2	0	0	8	0	0	28	1	0	1
July	2	0	0	0	0	0	2	0	0	2	0	0	5	0	0	8	0	0	6	0	0	4	1	0	29	1	0	1
August	3	0	0	4	0	0	3	0	0	1	0	0	1	0	0	2	0	0	4	0	0	5	0	0	23	0	0	8
September ..	3	1	0	1	0	0	1	0	0	3	0	0	5	1	0	6	1	0	3	0	0	4	0	0	26	3	0	1
October ..	5	0	0	6	0	0	0	0	0	4	2	0	4	0	0	2	0	0	3	0	0	3	1	0	27	3	0	1
November ..	4	0	0	3	0	0	4	1	0	4	1	0	0	0	0	5	0	0	1	0	0	4	1	0	25	3	0	2
December ..	3	2	0	4	0	0	0	0	0	3	0	0	4	1	0	3	0	0	3	0	0	4	2	0	24	5	0	2
Year ..	34	6	0	37	3	0	23	4	0	29	4	0	50	6	0	47	3	0	38	6	0	45	11	0	303	43	0	19

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 ..	0	0	0	5	1	0	2	1	0	2	1	0	7	2	0	5	3	0	1	1	0	0	0	0	22	9	0	0
February ..	0	0	0	1	0	0	3	0	0	1	0	0	3	1	0	8	4	0	7	0	0	0	0	0	23	5	0	0
March	3	1	0	3	2	0	3	1	0	2	1	0	2	0	0	4	0	0	4	0	0	3	0	0	24	5	0	2
April	3	1	0	5	0	0	1	1	0	2	0	0	1	0	0	4	1	0	5	1	0	2	0	0	23	4	0	3
May	6	0	0	5	0	0	4	0	0	1	0	0	2	0	0	5	0	0	5	0	0	0	0	0	28	0	0	3
June	1	0	0	1	0	0	1	0	0	1	0	0	2	0	0	8	0	0	9	0	0	6	0	0	29	0	0	1
July	2	0	0	2	0	0	1	0	0	1	0	0	3	0	0	9	1	0	8	0	0	3	0	0	29	1	0	1
August	4	0	0	3	0	0	2	0	0	2	0	0	1	0	0	6	0	0	4	0	0	2	0	0	24	0	0	7
September ..	3	1	0	2	0	0	2	0	0	2	0	0	2	0	0	11	0	0	2	0	0	3	0	0	27	1	0	2
October ..	4	0	0	7	1	0	2	0	0	2	1	0	2	1	0	1	0	0	3	1	0	2	0	0	23	4	0	4
November ..	1	0	0	5	0	0	4	2	0	1	0	0	1	0	0	6	0	0	2	0	0	1	0	0	21	2	0	7
December ..	3	2	0	5	1	0	1	0	0	1	1	0	3	1	0	4	0	0	2	1	0	4	2	0	23	8	0	0
Year ..	30	5	0	44	5	0	26	5	0	18	4	0	29	5	0	71	9	0	52	4	0	26	2	0	296	39	0	30

HOLYHEAD.

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 ..	0	0	0	0	0	0	0	5	0	0	2	0	2	9	0	2	3	0	0	6	0	0	2	0	4	27	0	0
February ..	1	0	1	0	0	0	0	1	0	1	2	0	1	1	0	2	4	0	0	5	0	1	6	1	6	19	2	1
March	0	4	0	1	4	0	3	3	1	3	2	0	0	3	0	0	0	0	1	1	0	0	4	0	8	21	1	1
April	0	0	0	3	0	0	3	3	0	2	0	0	2	2	0	1	2	0	2	2	0	0	2	1	13	11	1	5
May	1	0	0	2	1	0	2	1	0	2	0	0	2	6	0	3	3	0	0	2	0	4	1	0	16	14	0	1
June	3	3	0	2	0	0	1	0	0	1	0	0	0	1	0	1	6	0	1	0	0	8	3	0	17	13	0	0
July	0	0	0	1	0	0	2	0	0	0	0	0	4	2	0	2	4	0	0	3	0	3	7	0	12	16	0	3
August	2	2	0	1	0	0	0	0	0	3	0	0	8	1	0	5	2	0	1	2	0	2	2	0	22	9	0	0
September ..	0	3	0	1	2	0	1	0	0	1	2	0	1	3	0	3	6	0	2	1	0	2	2	0	11	19	0	0
October ..	1	1	0	2	1	0	5	3	0	3	1	0	1	0	0	2	1	0	3	1	0	0	4	0	17	12	0	2
November ..	0	3	0	3	3	0	1	3	0	3	2	1	2	4	0	1	0	0	2	0	0	0	1	0	12	16	1	1
December ..	0	2	0	1	4	0	2	1	0	4	0	0	3	3	0	2	1	0	1	1	0	1	3	0	14	15	0	2
Year ..	8	18	1	17	15	0	20	20	1	23	11	1	26	35	0	24	32	0	13	24	0	21	37	2	152	192	5	16

BLACKSOD POINT.

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 ..	0	0	0	1	1	0	0	4	0	1	4	0	1	5	2	0	0	0	0	7	0	1	2	0	4	23	2	2
February ..	1	0	1	0	0	1	0	1	0	0	2	0	1	4	1	0	1	0	1	4	0	3	2	0	6	14	3	5
March	0	4	0	1	4	2	7	0	0	0	5	0	0	0	0	0	0	0	3	0	0	1	1	0	12	14	2	3
April	0	0	0	1	3	0	1	0	0	4	3	0	2	2	0	0	2	0	5	1	0	1	3	0	14	14	0	2
May	3	0	0	2	0	0	3	2	0	3	3	0	0	5	0	0	2	0	1	4	0	0	1	0	12	17	0	2
June	2	6	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0	10	2	0	1	3	0	15	14	0	1
July	3	1	0	0	0	0	0	0	0	4	0	0	4	3	0	3	0	0	6	1	0	3	3	0	23	8	0	0
August	0	1	0	1	0	0	2	0	0	1	2	0	5	3	0	2	0	0	4	1	0	2	2	0	17	9	0	5
September ..	2	2	0	2	0	0	1	0	0	0	1	0	1	3	0	3	1	0	5	3	0	4	2	0	18	12	0	0
October ..	0	1	1	1	2	0	3	0	0	1	2	0	0	2	0	3	2	0	7	2	0	1	1	0	16	12	1	2
November ..	1	0	0	0	3	0	5	1	0	3	3	0	0	5	0	0	0	0	2	2	0	1	0	0	12	14	0	4
December ..	0	3	1	0	0	0	5	0	0	3	2	0	2	4	0	1	0	0	2	1	0	1	3	0	14	13	1	3
Year ..	12	18	3	9	13	3	27	8	0	20	27	0	17	38	3	13	9	0	44	28	0	19	23	0	163	164	9	29

MALIN HEAD.

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 ..	0	0	0	0	0	0	0	4	0	1	3	0	5	12	0	1	1	0	1	1	0	0	2	0	8	23	0	0
February ..	0	6	0	0	0	0	0	1	0	0	1	0	3	4	0	3	2	0	1	2	0	0	5	0	7	21	0	0
March	4	3	0	4	3	0	0	2	0	3	0	0	5	2	0	0	0	0	1	0	0	2	2	0	19	12	0	0
April	1	0	0	0	0	0	3	1	0	3	0	0	10	0	0	5	1	0	4	1	0	0	1	0	26	4	0	0
May	4	0	0	0	0	0	3	1	0	4	0	0	10	2	0	1	1	0	3	1	0	0	1	0	25	6	0	0
June	9	1	0	0	0	0	1	0	0	0	0	0	5	1	0	3	0	0	7	1	0	1	1	0	26	4	0	0
July	5	1	0	0	0	0	1	0	0	1	0	0	7	2	0	3	0	0	3	3	0	2	2	0	22	8	0	1
August	8	3	0	0	0	0	0	0	0	0	0	0	13	1	0	0	1	0	3	1	0	1	0	0	25	6	0	0
September ..	4	2	0	0	0	0	0	0	0	1	0	0	6	5	0	1	3	0	1	5	0	2	0	0	15	15	0	0
October ..	6	2	0	1	0	0	1	2	0	1	0	0	9	2	0	2	1	0	1	3	0	0	0	0	21	10	0	0
November ..	5	2	0	1	2	0	1	0	0	0	2	0	6	6	0	2	0	0	2	0	0	1	0	0	18	12	0	0
December ..	1	6	0	2	1	0	2	0	0	1	1	0	5	4	0	3	2	0	0	0	0	1	2	0	15	16	0	0
Year ..	47	26	0	8	6	0	12	11	0	15	7	0	84	41	0	24	12	0	27	18	0	10	16	0	227	137	0	1

TABLE XVIII (*continued*).—"WIND ROSE" DATA for TELEGRAPHIC STATIO
directions at 7

VALENTIA OBSERV

Months.	N.			NE.			E.			SE.			S.					
	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.	Light.	Strong.	Gale.			
January ..	1	0	0	2	0	0	2	2	0	0	2	0	5	6	0			
February ..	1	4	0	3	0	0	1	1	0	0	2	0	0	3	0	1		
March	0	3	0	4	4	0	4	3	0	1	3	0	0	1	0	2		
April	3	0	0	0	1	0	5	0	0	1	1	0	1	5	0	0	1	
May	1	1	0	3	0	0	2	0	0	2	4	0	2	4	0	2	2	0
June	1	4	0	2	3	0	1	0	0	0	0	0	2	1	0	1	3	
July	3	1	0	0	1	0	2	0	0	0	1	0	4	4	0	3	0	
August	0	2	0	0	0	0	0	1	0	0	0	0	7	4	0	2	2	
September ..	5	1	0	3	0	0	2	0	0	0	1	0	3	3	0	4	4	
October ..	1	2	0	6	2	0	4	2	0	2	2	0	3	0	0	0	1	0
November ..	1	0	0	5	2	0	5	5	0	0	2	0	1	2	0	1	1	0
December ..	0	4	0	2	3	0	3	2	0	4	1	0	0	3	0	1	3	0
Year ..	17	22	0	30	16	0	31	16	0	10	19	0	28	36	0	18	27	0

SCILLY.

January ..	0	0	0	0	2	0	0	2	0	0	2	0	0	6	1	0	7	0	2									
February ..	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	1	7	0	0	7	0	2	7		0	22	0	0
March	2	1	0	2	4	1	1	1	0	2	3	0	0	4	0	1	2	0	0	2	0	2	3	0	10	20	1	0
April	2	1	0	2	0	0	3	1	0	1	1	0	1	3	0	0	4	0	2	2	0	2	4	0	13	16	0	1
May	2	1	0	3	2	0	2	1	0	3	1	0	2	2	0	3	1	0	2	1	0	3	0	0	20	9	0	2
June	4	2	0	2	2	0	1	0	0	0	1	0	1	2	0	2	2	0	1	2	0	7	1	0	18	12	0	0
July	2	1	0	1	1	0	1	1	0	1	1	0	1	2	0	2	4	0	1	4	0	4	4	0	13	18	0	0
August	4	2	0	4	1	0	4	0	0	1	0	0	3	0	0	3	1	0	2	1	0	1	1	0	22	6	0	3
September ..	1	5	0	0	1	0	1	0	0	1	1	0	2	1	0	5	2	0	3	2	0	1	3	0	14	15	0	1
October ..	1	1	0	4	2	0	5	1	0	4	0	0	0	1	0	1	1	0	1	1	0	3	2	0	19	9	0	3
November ..	1	1	0	2	3	0	4	4	0	1	7	0	1	1	0	0	1	0	2	1	0	0	0	0	11	18	0	1
December ..	0	8	0	1	4	0	1	1	0	0	1	0	2	1	0	2	2	0	3	2	0	0	3	0	9	22	0	0
Year ..	20	23	0	22	22	1	24	12	0	14	18	0	13	24	1	20	34	0	19	31	0	25	31	0	157	195	2	11

GUERNSEY (WIRELESS STATION)

January ..	0	0	0	1	0	0	1	2	0	0	2	0	3	5	0	6	2	0	1	1	0	2	3	0	14	15	0	2
February ..	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2	4	0	4	5	0	5	4	0	13	15	0	0
March	3	1	0	3	2	0	1	1	0	1	2	0	3	3	0	3	2	0	0	0	0	3	2	0	17	13	0	1
April	2	0	0	3	1	0	1	1	0	2	0	0	4	1	0	1	1	0	3	1	0	3	3	0	19	8	0	3
May	1	0	0	1	2	0	3	1	0	1	1	0	5	1	0	1	0	0	5	0	0	3	1	0	20	6	0	5
June	2	0	0	2	1	0	1	0	0	1	0	0	2	0	0	2	0	0	4	0	0	7	0	0	21	1	0	8
July	1	0	0	1	0	0	1	1	0	1	0	0	2	0	0	3	1	0	6	1	0	7	1	0	22	4	0	5
August	5	0	0	5	0	0	4	0	0	3	0	0	0	0	0	2	0	0	4	0	0	5	0	0	28	0	0	3
September ..	1	0	0	2	1	0	0	0	0	3	0	0	3	1	0	3	0	0	6	0	0	3	0	0	21	2	0	7
October ..	4	0	0	4	2	0	3	0	0	5	0	0	1	1	0	1	2	0	1	0	0	3	1	0	22	6	0	
November ..	2	1	0	6	0	0	3	2	0	5	1	0	2	0	0	2	0	0	1	1	0	0	0	0	21	5	0	
December ..	1	2	0	0	4	0	1	1	0	1	0	0	2	3	0	3	0	0	4	0	0	4	3	0	15	13	0	
Year ..	23	4	0	28	13	0	19	9	0	23	6	0	28	17	0	29	12	0	39	9	0	45	18	0	234	88	0	

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