

DUPLICATE

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

M.O. 461

COPY FOR OFFICIAL USE

AIR MINISTRY

METEOROLOGICAL OFFICE

THE
MONTHLY WEATHER REPORT
FOR THE YEAR 1942

PUBLISHED BY THE
AUTHORITY OF THE METEOROLOGICAL
COMMITTEE



LONDON

PRINTED BY HIS MAJESTY'S STATIONERY OFFICE

1943

MWR dup

National Meteorological
Library & Archives
525 North Dearborn
Chicago, Illinois 60610

THE MONTHLY WEATHER REPORT, 1942

CONTENTS

MAP OF STATIONS	Frontispiece
PREFACE, AND LIST OF STATIONS	iii
CORRECTIONS TO MONTHLY WEATHER REPORTS, 1942	vi
MONTHLY WEATHER REPORTS, 1942	1-168
ANNUAL SUMMARY, CLIMATOLOGICAL SECTION	169
ANNUAL SUMMARY, WIND SECTION	187

MONTHLY WEATHER REPORT

DISTRICT NO. 1

1912

Weather Office

REPORT

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

1912

MONTHLY WEATHER REPORT

DISTRICTS and STATIONS

1942

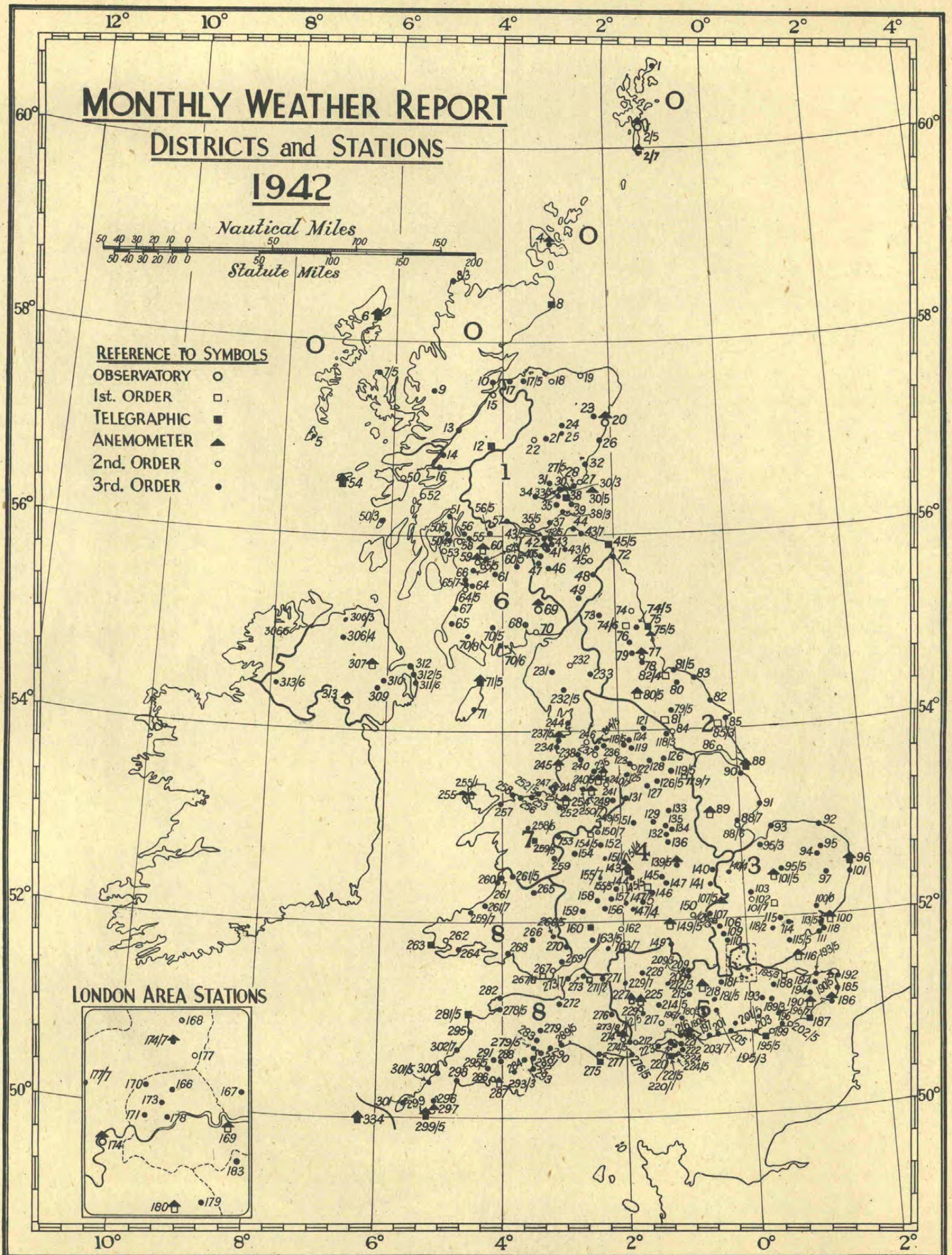
Nautical Miles

Statute Miles

REFERENCE TO SYMBOLS

- OBSERVATORY ○
- Ist. ORDER □
- TELEGRAPHIC ■
- ANEMOMETER ▲
- 2nd. ORDER ◊
- 3rd. ORDER ●

LONDON AREA STATIONS



P R E F A C E

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a resumé 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. Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*, M.O. 191.

On the establishment of a meteorological service in Eire in April, 1937, the climatological stations in that country came under the control of the Director of that Service, but climatological records for Eire were received and published up to the end of 1940. Data were not received for 1942, but the maps of pressure, temperature and sunshine in this volume have been drawn, from such information as was available from various sources, to give a provisional indication of conditions over Eire.

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 the preface.

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 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. In the absence of data for Eire, Guernsey and Jersey it became necessary in 1940 to replace Districts 9 and 10 by "Northern Ireland" and to replace District 11 by data for Scilly only. 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 stations used in computing the district values of earth temperature are shown on page iv. The method of computations is explained in the "Notes on Table I to IV" printed with the Annual Summary.

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

All the records are obtained from instruments of the Dines Pressure Tube type.

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

h.—Table III (b).—Direct solar radiation at Kew Observatory.

i.—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.

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 wind 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).

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 where changes have been made in the list for 1941. This 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. 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 7 h. (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 most telegraphic stations an additional observation is made at 1 h. (1 a.m.) G.M.T., and also in some cases at 4 h. (4 a.m.), 10 h. (10 a.m.), 16 h. (4 p.m.) and 22 h. (10 p.m.) G.M.T.
- 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 normally 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. This scheme has lapsed during the war period.
- A.; Anemometer Station for which summaries are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

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

- | | |
|---|--|
| D. Daily Weather Report. Full return. | m. Monthly Weather Report. Table III, not Table IV. |
| d. Daily Weather Report. Abridged return. | μ. Monthly Weather Report. Wind velocity. |
| W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature. (Last volume published is that for 1938-39). | m _o . Monthly Weather Report. Sunshine only. |
| w. Weekly Weather Report. Sunshine only. | O. The Observatories' Year Book.—This publication contains hourly values of meteorological and magnetic elements, diurnal inequalities for magnetism and for atmospheric electricity, absolute observations of magnetism and atmospheric electricity, seismological tables, upper air data, etc. |
| W ¹ . Registrar-General's Weekly Summary. | |
| M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather); and Table IV (Pressure, humidity, &c.). | |

DISTRICT VALUE STATIONS, 1942

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

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

DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.
0	Fort Augustus ..	TR - - S	4	Birmingham ..	TR E ₁ E ₄ S	8	Bath ..	TR E ₁ E ₄ S
	Inverness ..	TR - - S		Bradford ..	- E ₁ E ₄ -		Cardiff ..	- E ₁ E ₄ -
	Kirkwall ..	TR - - S		Bromyard (2) ..	- E ₁ E ₄ -		Cullompton ..	TR E ₁ - S
	Lerwick ..	TR - - S		Buxton ..	- E ₁ E ₄ -		Falmouth ..	TR - - S
	Stornoway ..	TR - - S		Harrogate ..	TR E ₁ E ₄ S		Ilfracombe ..	- E ₁ E ₄ -
1	Aberdeen ..	TR - - S		Huddersfield ..	- E ₁ E ₄ -		Newquay ..	- E ₁ E ₄ -
	Dundee ..	TR - - S		Nottingham ..	TR E ₁ E ₄ S		Plymouth ..	- E ₁ - -
	Edinburgh ..	TR - - S		Oxford ..	TR - - S		Rhayader ..	TR - - S
	Marchmont ..	TR - - S		Ross-on-Wye ..	TR - - S		St. Ann's Head ..	TR - - S
	Nairn ..	TR - - S		Sheffield ..	- E ₁ E ₄ -		Swansea ..	- E ₁ E ₄ -
6	Dumfries ..	TR E ₁ E ₄ S	5	Bournemouth ..	- E ₁ E ₄ -		NORTHERN IRELAND	
	Eskdalemuir ..	TR - - S		Camden Square ..	- E ₁ E ₄ -		Aldergrove ..	TR - - S
	Tiree ..	TR - - S		Eastbourne (3) ..	- E ₁ E ₄ -		Armagh ..	TR E ₁ E ₄ S
	Renfrew ..	- - - -		Enfield ..	- - E ₄ -		Moneydig ..	TR - - -
	(Abbotsinch) ..	TR - - S		Hastings ..	TR E ₁ E ₄ S		Donaghadee (4) ..	TR - - S
	Rothsay ..	TR E ₁ E ₄ S		Kew Obs. ..	TR E ₁ E ₄ S		Hillsborough (5) ..	- - - S
2	Cockle Park ..	TR E ₁ E ₄ S		Dover ..	TR E ₁ E ₄ -			
	Cranwell ..	TR - - S		Marlborough ..	TR - - S			
	Durham ..	TR - - S		Southampton ..	TR - - S			
	Hull ..	- E ₁ E ₄ -		Tunbridge Wells ..	- E ₁ - -			
	Scarborough ..	TR - - S		Wisley ..	- E ₁ E ₄ -			
	York ..	TR E ₁ E ₄ S	7	Bolton ..	- E ₁ E ₄ -			
3	Cambridge ..	TR E ₁ E ₄ S		Burnley ..	- E ₁ E ₄ -			
	Clacton (1) ..	TR E ₁ E ₄ S		Darwen ..	- E ₁ E ₄ -			
	Lowestoft ..	- E ₁ E ₄ -		Holyhead ..	TR - - S			
	Norwich ..	- E ₁ - -		Newton Rigg ..	TR - - S			
	Rothamsted ..	TR - - S		Sealand ..	TR - - S			
	Tottenham ..	TR - E ₄ S		Southport ..	TR E ₁ E ₄ S		Scilly ..	TR - - S
	Yarmouth ..	TR E ₁ E ₄ S		Stonyhurst ..	TR - - S			

(1) Shoeburyness replaced Clacton on Sept. 1st. (2) Bromyard ceased Sept. 30th. (3) Eastbourne ceased March 31st. (4) Donaghadee ceased June 27th (sunshine at Mount Stewart not used after August). (5) Incorporated Sept. 1st.

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

In 1933 it was announced by the Ordnance Survey that in future mean sea level at Newlyn (Cornwall) should be adopted as the standard of reference for heights in the British Isles in place of Liverpool. The heights given in this publication are above the old ordnance datum. At those stations where the new height would differ from the old height by one foot or more, a correction to obtain the new height was given in the Introductions 1939 to 1941. The new heights are not yet adopted in this publication because they cannot in all cases be regarded as final.

ADDITIONAL RECORDS AVAILABLE FOR 1942

Details of some additional records received for 1942 which are not summarised in the Monthly Weather Report :—

(a) Returns on Form 3206 have been received for the hours set out below in addition to those summarised in Table IV :—

Abbotsinch 1	Croydon 10, 16	Manchester 4, 10, 16, 22	St. Abb's Head 1, 4, 7, 10, 13,
Aldergrove 1, 16	Dunstable 4, 10, 16, 22	Manston 10, 16	16, 18, 22.
Bristol 4, 10, 16, 22	Felixstowe 10, 16	Mildenhall 4, 10, 16, 22	St. Ann's Head 4, 22
Boscombe Down 10, 16	Gorleston 4, 22	Mount Batten 1, 10, 16	Sealand 10, 16
Cape Wrath 1, 7, 13, 18	Leuchars 1	Point of Ayre 1, 4, 10, 16, 22	Scilly 22
Catterick 4, 10, 16, 22	Lizard 4, 22	Portland Bill 4, 10, 16, 22	Spurn Head 4, 10, 16, 22
Cranwell 4, 10, 16, 22	Lympne 10, 16	Ross-on-Wye 10, 16, 22	Tynemouth 4, 10, 16, 22
			Upper Heyford 10, 16

(b) For certain stations hourly tabulations for 1942 are available of wind force and direction, rainfall duration and amount and duration of sunshine and the list is given below, where W, R and S stand for hourly values of wind, rainfall and sunshine respectively :—

Abbotsinch W, R, S	Dunstable S	Manchester W, R, S	Sealand W, R, S
Aldergrove W, R, S	Felixstowe R, S	Manston W, R, S	Shoeburyness W
Armagh W, R*	Fleetwood *	Mildenhall W, R, S	South Farnborough R, S
Birmingham W	Gorleston W*	Mount Batten R, S	South Shields W
Boscombe Down W, R, S	Holyhead W, R, S*	Pendennis W*	Southgate W
Bristol R, S	Leicester W*	Plymouth W*	Southport *
Cardington W*	Lerwick W, S	Point of Ayre *	Spurn Point *
Catterick W, R, S	Leuchars R, S	Rothamsted S	Thorney Island W, R
Cranwell W, R, S	Lizard W*	St. Ann's Head W	Upper Heyford R
Croydon R, S	Lympne W, R, S	Scilly W*	

* Anemograms stored in Meteorological Office (M.O.3)

The list of stations for which daily analysis of wind force and direction are available appear in Table 11.

AVERAGES.

Rainfall (Table III).—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.

Pressure (Table IV).—The averages refer to 7h. G.M.T. for period 1901-1930 and have been "weighted" where necessary.

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 the 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).

Earth Temperatures 1ft. and 4ft.—In general the averages cover the period 1911-25.

Tiree. The averages of temperature and sunshine refer to the period 1927-1936.

STANDARDS OF TIME.

Summer Time was in force throughout the year, and Double Summer Time from April 5th to August 9th. Therefore public clocks were one hour and two hours respectively 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 I-IV.

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 1942 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.

Data for the following Stations were published in M.W.R., 1941, but were not included from January, 1942.

Station	No.	Station	No.	Station	No.
Ardingley	195	Halton	150/5	Manchester (Barton)	240/5
Calshot (Aerodrome)	213	Herne Bay	189/5	Paignton	285
Copdock	99	Lerwick (Knab C.G.)	2	Selsey	203/5
Craigston	4/5	Logie Coldstone	24	Strathy (Bowside)	8/5
Donaghadee (C. Guard Stn.) ..	312	Lossiemouth	18/5	Wallasey, New Brighton	250
Folkestone (Isolation Hospital)	189	Mablethorpe	90/5		

Regular monthly returns have also been received from the following official stations:—Benbecula (Inverness), Bircham Newton (Norfolk), Detling (Kent), Driffield (Yorks., E.R.), Dyce (Aberdeen), Errol (Perth), Finningley (Yorks., W.R.), Invergordon (Ross and Cromarty), Linton-on-Ouse (Yorks N.R.), Lossiemouth (Moray), Montrose Airfield (Angus), Ouston (Northumberland), Penrhos (Caernarvon), Squires Gate (Lancashire), Stradishall (Suffolk), Stranraer (Wigtown), Sullom Voe (Shetland), Thornaby (Yorks., N.R.).

TABLE I. DISTRICT VALUES.

Month	District		Month	District	
Jan. 6	Scotland, W.	Temp. difference ..	April 2	England, N.E.	Sunshine % of average ..
"	"	Rainfall percentage ..	"	"	" % „ possible ..
"	"	No. of rain days diff. ..	May 7	England, N.W.	Rainfall percentage ..
"	"	Sunshine % of average ..	"	"	No. of rain days diff. ..
"	"	" % „ possible ..	8	England, S.W.	Temp. difference ..
Mean 0, 1, 6	"	" % „ „ ..	"	"	Rainfall percentage ..
Mean 2, 3, 4, 5, 7, 8	"	" % „ „ ..	"	"	Sunshine % of average ..
April 2	England, N.E.	Earth temp. 1 ft. diff. ..	"	"	" % „ possible ..
"	"	" " 4 ft. „ ..	July	N. Ireland	" % „ average ..
"	"	Rainfall percentage ..	Nov. 3	England, E.	Earth temp. 4 ft. diff. ..
"	"	No. of rain days diff. ..			

MONTHLY WEATHER REPORT, 1942—TABLE IV. CORRECTIONS AND ADDITIONS

[illegible]

[illegible]

MONTHLY WEATHER REPORT, 1942—TABLE III.—CORRECTIONS AND ADDITIONS—continued.

MONTH	PAGE	STATION	Terminal Hours	Heights	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'gObs.)	Ground Frost	Gale	Per cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					A. Max.	B. Min.			Maximum	Date	Minimum	Date	1 ft.	4 ft.	in.	mm		in.	mm	0.1 in (0.25mm) or more	0.4 in (1.0mm) or more								hr.	%	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	F.	°F.	mm	in.	%	in.	in	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm

MONTHLY WEATHER REPORT, 1942—TABLE II. CORRECTIONS AND ADDITIONS

District and Station.			HEIGHT			DISTRIBUTION OF WIND								EXTREME VELOCITIES									
			Above Mean S.L. vel	Above Grnd	Eff've Height	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record	Highest Hourly Wind				Highest Gust					
						Dates of occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N	Speed		Hour ended at	Speed		Time			
															m.p.h.	m/s		m.p.h.	m/s	d	h	m	
			ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	°	m.p.h.	m/s	day	hr	m.p.h.	m/s	d	h	m	
6a. Scotland, W.																							
Paisley April			188	81	31	—	0	0	0	153	439	128	0	60	21	9	29	17	44	20	29	12	15
Renfrew (Abbotsinch) August			65	46	34	—	0	0	0	105	515	124	0	160	20	9	10	09	43	19	17	03	55
6b. Isle of Man																							
Point of Ayre September			70	40	35	—	0	21	126	392	179	18	5	300	36	16	15	19	55	25	5	04	00
2. England, N.E.																							
Spurn Point June			64	42	34	—	0	4	33	292	356	39	0	300	30	13	15	14	40	18	15	12	50
" July			..	..	..	—	0	9	77	394	272	1	0	360	38	17	18	15	51	23	18	14	35
" August			..	..	..	—	0	8	55	362	318	5	4	200	33	15	10	16	46	21	21	17	55
Cranwell September			..	..	..	—	0	7	63	336	277	44	0	320	33	15	19	23	48	21	25	10	20
" May			284	43	33	—	0	5	31	374	319	20	0	180	37	17	25	14	59	26	25	11	55
" November			..	..	..	—	0	0	0	139	482	99	0	230	23	10	6	24	39	17	6	22	55
3. England, E.																							
Gorleston March			52	42	34	—	0	7	24	272	337	91	20	140	28	13	13	08	36	16	13	08	15
" April			..	..	..	—	0	13	106	349	227	32	6	70	34	15	28	15	49	22	1	15	10
Mildenhall May			98	83	58	—	0	6	29	267	393	55	0	210	33	15	28	06	60	27	25	14	15
Shoeburyness January			115	104	89	—	0	6	29	353	342	30	0	170	33	15	23	18	44	20	26	09	40
4. Midland Counties																							
Leicester March			385	60	33	—	0	0	0	60	476	156	52	110	24	11	12	21	37	17	3	20	00
" May			..	..	..	—	0	1	1	85	454	136	69	170	25	11	25	14	47	21	25	10	30
" July			..	..	..	—	0	0	0	87	439	210	8	260	22	10	23	03	36	16	23	03	20
Birmingham June			643	118	73	—	0	3	5	310	389	40	0	170	29	13	25	13	52	23	25	12	30
5. England, S.E.																							
Southgate March			222	30	—	—	0	0	0	5	360	363	14	—	13	5	12	15	27	12	15	16	25
" July			..	..	..	—	0	0	0	0	0	0	0	—	15	7	13	10	31	14	11	10	50
" August			..	..	..	—	0	0	0	0	0	0	0	—	15	7	13	10	31	14	11	10	50
Thorney Island September			..	..	..	—	0	0	0	0	0	0	0	—	15	7	13	10	31	14	11	10	50
" May			75	65	45	—	0	5	28	290	357	69	0	210	33	15	28	03	61	27	28	02	50
" June			..	..	..	—	0	0	0	82	507	131	0	360	22	10	7	22	39	17	7	01	45
" July			..	..	..	—	0	1	1	272	418	53	0	260	25	11	23	01	47	21	23	06	15
" August			..	..	..	—	0	0	0	156	459	129	0	220	24	11	10	16	44	20	10	14	25
" September			..	..	..	—	0	0	0	207	426	87	0	180	24	10	3	10	47	21	3	13	20
" October			..	..	..	—	0	5	9	266	339	130	0	240	30	13	26	16	55	25	15	06	50
" November			..	..	..	—	0	0	0	62	459	199	0	20	19	9	16	01	40	18	6	04	50
" December			..	..	..	—	0	5	8	316	282	138	0	210	28	13	21	01	54	24	5	08	30
7a. England, N.W.																							
Fleetwood October			112	50	31	—	0	12	136	278	282	27	21	300	38	17	9	01	55	25	15	05	20
8b. England, S.W.																							
Lizard April			315	75	60	1, 9, 29	13	18	233	218	190	62	4	200	44	20	9	04	64	29	1	09	05
" June			..	..	..	—	0	4	17	131	424	113	35	360	34	15	7	03	51	23	7	02	50
" July			..	..	..	—	0	7	35	248	360	61	40	220	34	15	4	10	48	21	18	17	10
" August			..	..	..	—	0	5	11	187	370	167	9	200	30	13	8	14	38	17	7	23	15
" September			..	..	..	—	0	0	106	269	274	40	31	290	36	16	20	12	52	23	24	00	50
Pendennis Castle April			256	65	42	1, 4, 6, 7, 9, 24, 27, 29	46	17	232	173	164	74	31	260	51	23	19	14	65	29	9	13	20
" July			..	..	..	—	0	10	37	265	358	78	6	230	37	17	4	10	45	20	4	09	20
" August			..	..	..	—	1	8	47	249	348	81	18	240	39	17	8	15	47	21	8	14	40
" September			..	..	..	—	0	13	74	281	322	43	0	250	38	17	5	10	45	20	5	12	00
" December			..	..	..	—	0	23	195	230	194	58	0	220	59	26	16	08	72	32	16	07	15
Scilly Isles																							
St. Mary's September			230	65	57	9-10, 12-14, 16, 20-21	67	7	63	336	277	44	0	320	33	15	19	23	48	21	25	10	20

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 1.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

**JANUARY, 1942.—Cold; mainly dull; considerable snow.**

The weather was unusually cold, with severe frost; it was mainly dull except at some places in the west. Except over a large area covering most of north-west Scotland and the Grampians rainfall was excessive, unusually so over much of a coastal strip of east Britain and in Northern Ireland.

During the opening days an anticyclone over France and southern England moved south; meanwhile on the 1st a trough of low pressure south of Iceland moved south-east causing rain in the west and north, and from the 2nd-5th an Atlantic depression and an associated trough moved first north-east to a position off our north-west coasts and later slowly south-east across the British Isles. Rain was reported in the north and west on the 2nd and over the country generally on the 3rd; precipitation was also fairly general on the 4th, but in the form of sleet or snow in the northern half of the country, while on the 5th there were scattered showers, mainly of a wintry character in Great Britain. A decided fall of temperature occurred on the 5th. Subsequently a large anticyclone centred south-west of Iceland moved south-south-east to a position off our south-west coasts; a period of rather cold, showery weather, with northerly winds and local bright periods ensued. From the 9th-11th a ridge of high pressure moved south-east across the British Isles; cold weather persisted with bright periods and showers on the 9th and 10th and somewhat more widespread precipitation on the 11th. On the 12th a very deep depression moved north-east across Iceland and on the 13th an associated trough moved in over the British Isles and filled up; precipitation was almost general and heavy locally in the west. Another trough westward of Ireland moved in over the country and caused heavy rain in Ireland and south-west England on the 15th, and a depression moving south-east from Ireland caused further precipitation, chiefly in western districts, on the 16th. Meanwhile pressure became high eastward of the British Isles and remained so until the 23rd. On the 17th and 18th a trough of low pressure moved eastward over the British Isles, where it filled up without much movement; cold, mainly dull weather prevailed with some precipitation. On the 19th a deep depression approached west Iceland and again an associated trough moved in and filled up over our western districts; heavy rain fell to the west of the trough and considerable snow to the east of it, and it was very cold eastward of the front. Weather continued very cold in most parts, with further snow, particularly in Scotland, but it was milder with rain in the west. A milder south-westerly wind brought a rapid thaw on the 23rd with heavy rainfall. On the 24th an Atlantic depression moved north-east to the Hebrides, becoming very deep, and on the 25th and 26th it moved south-east to the southern North Sea; there were gales and further precipitation. During the closing days depressions moved south-eastward over the British Isles and rather cold, unsettled weather prevailed with frequent precipitation.

Pressure and Wind.—Mean pressure exceeded the average in the north and was somewhat below the average in the south; at 7h. the deviation ranged from +6.6 mb. at Sumburgh, Shetlands, to -0.6 mb. at Portland Bill and Lympne. The mean pressure gradient was thus less steep than the average. Gales occurred frequently at exposed coastal stations in Scotland and the Irish Sea, but they were not generally very severe. In a strong south-easterly gale between the 25th and 27th, however, a mean hourly velocity of 65 m.p.h. was registered at Bell Rock Lighthouse and gusts of 82 m.p.h. and 79 m.p.h. at Bell Rock and Kirkwall respectively on the 25th. A speed of 84 m.p.h. was registered in a gust at the Lizard on the 31st, and one of 80 m.p.h. at Pendennis Castle on the 30th.

Temperature.—For the third January in succession mean temperature was markedly below the average, particularly in the eastern

districts of England and the Midlands; at numerous places in east and south-east England and at a few in the Midlands the mean for the month was 7°F. or more below the average. In Ireland and extreme south-west England the deficiency was not very great.

The mildest spell occurred at the beginning of the month, and it was less cold for a while from about the 23rd-25th. The weather was exceedingly cold from about the 11th-22nd; at Dunstable, for example, temperature continued at 32°F. or below from the 14th-23rd. At a number of stations in England temperature in the screen fell to 10°F. or below on the 12th, 15th, 21st and 22nd, while 4°F. was registered at Woburn and 5°F. at Raunds on the 21st.

The extremes for the month were:—(England and Wales) 56°F. at Barnstaple on the 4th, 4°F. at Woburn on 21st; (Scotland) 56°F. at Balfron on the 3rd, 8°F. at Braemar on the 14th; (Northern Ireland) 55°F. at Armagh on the 4th, and 22°F. at Garvagh on the 11th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 146 over England and Wales, 131 over Scotland, and 200 over Northern Ireland. The excess was almost general, apart from a large area in Scotland covering most of the north-western counties and the Grampians, where less than the average was received. More than twice the average occurred at many places in east and south-east Scotland, while Arbroath and Edinburgh had approximately three times the average. The rainfall of Northern Ireland was noteworthy; at Queen's University, Belfast, the total 6.99 in. was the highest for January since the station was founded in 1866.

Daily falls of 2.0 in. or more were recorded locally on the 2nd, 3rd, 21st-25th and 30th, the largest reported being 2.80 in. at Glendessary (Inverness-shire) and Blaenau Festiniog (Merioneth) on the 3rd.

Snow fell frequently and the snowstorms of the 19th-21st were widespread and severe. Level snow was lying 6-8 inches deep over much of north-east England and the Midlands; locally, particularly in the west Midlands, it was 8-12 inches deep. In the north of Scotland it was said to be the worst storm for many years and heavy drifting interfered seriously with road and rail traffic. In the south of Scotland also, many roads were blocked; West Linton had 2 ft. of undrifted snow and depths of from 12-18 inches were reported from practically the whole of the southern counties.

Thunderstorms occurred locally on the 5th, 9th, 27th-28th and 30th. They occurred at a number of places in Scotland on the 27th, were rather widespread in south-west England on the 28th and in southern England on the 30th.

Sunshine.—On the whole sunshine was considerably below the average, particularly in the east of Britain. In Northern Ireland and the extreme west of Britain, however, there was generally an excess. The percentages of the average for the districts ranged from 38 in England, N.E. to 110 in England, S.W., and 121 in Northern Ireland (see Table I). At Edinburgh it was the duller January since 1917, at Leuchars the duller January since records were begun in 1922, while at Scarborough the incredibly low total of 8 hours was registered, the previous lowest in the long record back to 1898 being 17 hours in 1917.

Fog.—Fog occurred at times, chiefly on the 1st, 7th-8th, 10th-15th, 18th-19th, 23rd-24th, 30-31st.

Miscellaneous Phenomena.—The aurora was seen on eight nights from northern stations in Scotland. Solar halos were noted at Oxford on seven days. At Belper, Derbyshire, snowflakes approximately two inches in diameter were observed on the 30th.

MWRdup

TABLE I—DISTRICT VALUES—

JANUARY, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	°F	°F	°F	°F	°F	%		%	%
52	9	-2.5	—	—	96	0	95	12	
Eastern									
1 SCOTLAND, E.	53	8	-4.0	—	—	202	-3	48	10
2 ENGLAND, N.E.	52	10	-5.1	-2.7	+0.1	152	+2	38	11
3 ENGLAND, E.	53	4	-6.4	-2.6	-0.7	142	-1	69	13
4 MIDLAND COUNTIES	52	5	-5.7	-2.5	-0.6	153	-1	84	15
5 ENGLAND, S.E.	55	6	-6.2	-3.8	-0.8	132	-1	87	17

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western	°F	°F	°F	°F	°F	%		%	%
6 SCOTLAND, W.	56	16	—	-1.1	+0.1	—	—	—	—
7 ENGLAND, N.W. (and N. Wales)	55	12	-4.7	-2.7	-0.6	174	+2	94	16
8 ENGLAND, S.W. (and S. Wales)	56	14	-3.6	-3.3	0.0	138	+3	110	22
NORTHERN IRELAND	55	22	-1.3	—	—	215	+6	121	22
MEAN 0, 1, 6	—	—	-5.3	—	—	—	—	80	16
MEAN 2, 3, 4, 5, 7	—	—	—	—	—	—	—	—	—

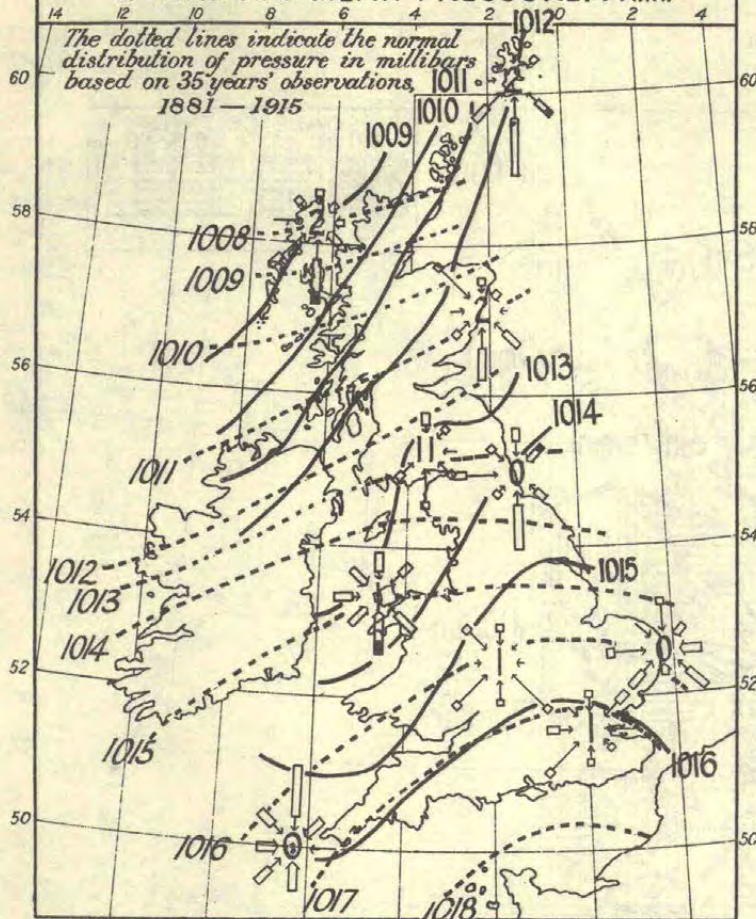
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY, 1942

[1914]

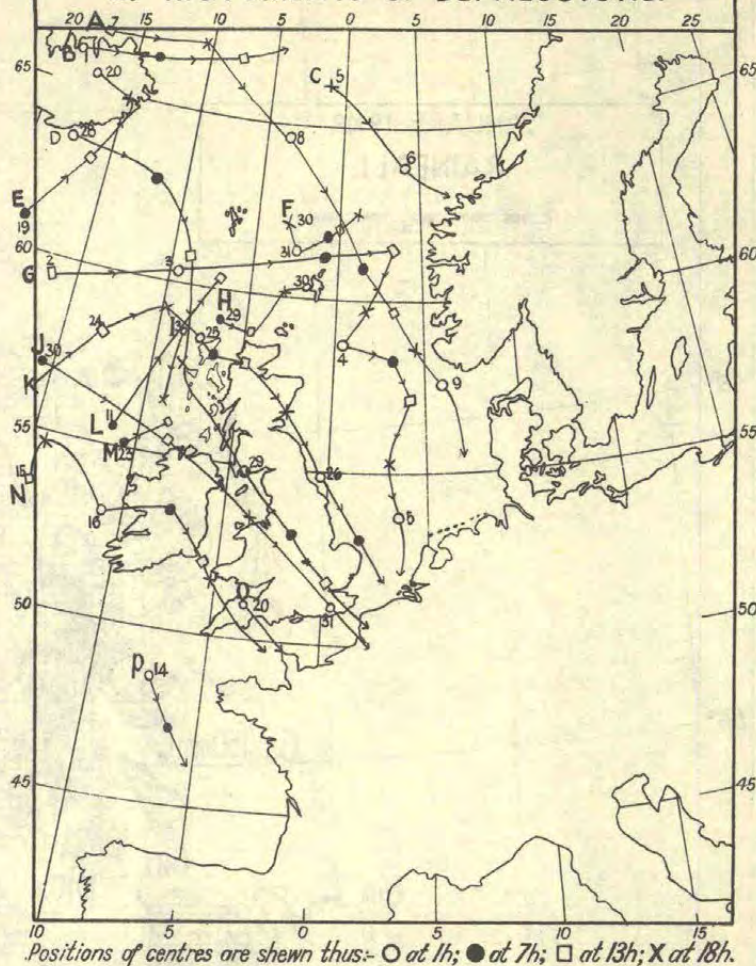
DISTRICT AND STATION	Height			Distribution of Wind ††									Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time						
0 SCOTLAND, N.	ft	ft	ft	(12,13,15,16,19,25,27)	hr		hr	hr	hr	hr	hr	*	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m	
Shetland Lerwick	310	53	39	19,25,27	185	24	243	225	81	10	0	140	(53)	(23)	25 03	(78)	(35)	25	01	50	
Orkney Kirkwall	170	40	35	15,16,19,21,24,25	71	20	190	271	189	23	0	—	54	24	25 13	79	35	25	07	10	
Hebrides Stornoway	120	40	36	12,24,25,27	59	22	198	218	248	21	0	170	51	23	12 17	71	32	27	06	05	
1 SCOTLAND, E.																					
Aberdeen Aberdeen	120	41	32	12,13,15,16,19	0	3	14	230	395	105	0	150	30	13	25 11	64	29	25	10	45	
Angus Bell Rock Lighthouse	130	—	126	21,24,27	79	25	210	283	126	22	24	120	65	29	25 10	82	37	25	09	40	
Edinburgh Edinburgh	485	39	23	27	5	11	64	309	292	74	0	190	45	20	27 13	66	29	27	09	50	
6a SCOTLAND, W.																					
Argyll Tiree	75	50	42	15,24,25	17	15	143	213	212	136	23	300	45	20	25 06	71	32	25	04	50	
Renfrew Paisley	188	81	31	—	0	1	1	100	444	199	0	170	25	11	27 12	57	25	25	13	50	
Renfrew (Abbotsinch)	65	46	34	—	0	1	9	110	391	234	0	290	34	15	25 15	64	29	25	14	50	
Dumfries Eskdalemuir	825	50	35	—	0	6	33	199	246	266	0	290	31	14	25 23	64	29	27	23	35	
6b ISLE OF MAN																					
Isle of Man Point of Ayre ..	70	40	35	15,16,19,21,25,26	39	23	218	321	132	34	0	170	43	19	16 05	67	30	25	23	20	
2 ENGLAND, N.E.																					
Durham South Shields	73	57	44	4	4	10	52	295	315	75	3	20	40	18	4 15	54	24	4	12	25	
Durham	389	53	33	—	0	1	3	129	429	183	0	280	26	12	25 23	46	21	25	22	30	
Yorks.,N.R. Catterick	220	45	33	—	0	13	93	376	229	46	0	20	36	16	4 21	51	22	26	06	35	
Yorks.,E.R. Spurn Head	64	42	34	—	0	6	32	365	294	29	24	310	33	15	26 07	54	24	26	05	35	
Lineoln Cranwell	284	43	33	—	0	6	32	365	294	29	24	310	33	15	26 07	54	24	26	05	35	
3 ENGLAND, E.																					
Norfolk Gorleston	52	42	34	—	0	12	60	324	310	33	17	200	37	17	23 20	48	21	27	14	30	
Suffolk Mildenhall	98	83	58	—	0	4	12	337	349	46	0	170	27	12	27 11	48	21	27	10	45	
Bedford Cardington	285	150	135	—	0	6	18	291	339	96	0	330	30	13	26 9	50	22	26	08	45	
Essex Shoeburyness	115	104	89	—	0	93	376	229	46	0	0	20	36	16	4 21	51	22	26	06	35	
4 MIDLAND COUNTIES																					
Leicester Leicester	385	60	33	—	0	1	3	282	410	49	0	290	32	14	26 06	51	23	26	05	45	
Warwick Birmingham	643	118	73	—	0	1	3	282	410	49	0	290	32	14	26 06	51	23	26	05	45	
5 ENGLAND, S.E.																					
London Southgate	222	30	—	—	0	0	0	21	425	284	14	—	14	6	25 17	33	15	25	16	35	
Surrey Kew Observatory	92	75	50	—	0	0	0	199	465	80	0	350	24	11	26 11	45	20	25	12	30	
Croydon	313	105	70	—	0	3	12	300	394	38	0	340	32	14	26 12	60	27	26	11	00	
Kent Lympne	418	76	48	—	0	5	13	271	337	85	38	360	33	15	26 12	49	22	26	11	15	
Manston	199	46	40	—	0	5	13	271	337	85	38	360	33	15	26 12	49	22	26	11	15	
Hampshire Calshot	58	50	42	—	0	7	23	300	308	61	52	290	31	14	24 21	53	24	30	15	30	
Wiltshire Boscombe Down ..	462	45	33	—	0	7	23	300	308	61	52	290	31	14	24 21	53	24	30	15	30	
Larkhill	491	51	36	—	0	7	23	300	308	61	52	290	31	14	24 21	53	24	30	15	30	
7a ENGLAND, N.W.																					
Lancashire Fleetwood	112	50	31	—	0	7	38	310	294	102	0	270	38	17	26 02	68	30	26	03	40	
Manchester (Barton)	153	83	80	—	0	5	53	341	281	68	1	300	37	17	25 21	51	23	25	20	50	
Southport	60	42	33	—	0	5	53	341	281	68	1	300	37	17	25 21	51	23	25	20	50	
Cheshire Bidston Obs'y. ..	262	64	39	25,26	3	12	91	362	234	54	0	290	42	19	26 02	63	28	26	01	50	
Manchester (Ringway) ..	315	80	40	—	0	8	44	309	205	134	52	170	36	16	27 13	56	25	26	03	55	
7b NORTH WALES																					
Anglesey Holyhead	68	43	35	25,29,30	12	21	174	366	159	7	26	290	50	22	30 16	67	30	30	14	40	
Flint Sealand	81	65	42	—	0	3	12	193	434	105	0	300	33	15	26 05	54	24	26	02	10	
8a SOUTH WALES																					
Pembroke St. Ann's Head ..	212	70	—	12,13,15,16,23,30	41	25	220	317	133	10	23	120	50	22	15 21	78	35	30	21	35	
8b ENGLAND, S.W.																					
Devon Plymouth	185	88	65	12,13	9	11	67	227	329	87	25	—	46	21	12 24	64	29	31	01	25	
Cornwall The Lizard	315	75	60	12,15-16,23,30	30	23	197	279	177	25	0	310	58	26	31 01	84	38	31	00	30	
Pendennis Castle ..	265	65	42	12,15-16,23,30-31	28	22	154	288	201	48	25	330	51	23	30 24	80	36	30	23	50	
NORTHERN IRELAND																					
Antrim Aldergrove	328	60	42	—	0	3	16	173	302	253	0	140	29	13	19 14	64	29	27	16	00	
SCILLY ISLES																					
St. Mary's	230	65	57	15,25,29-31	29	20	184	344	171	16	0	340	46	21	31 24	67	30	30	22	20	

MONTHLY WEATHER CHARTS JANUARY 1942

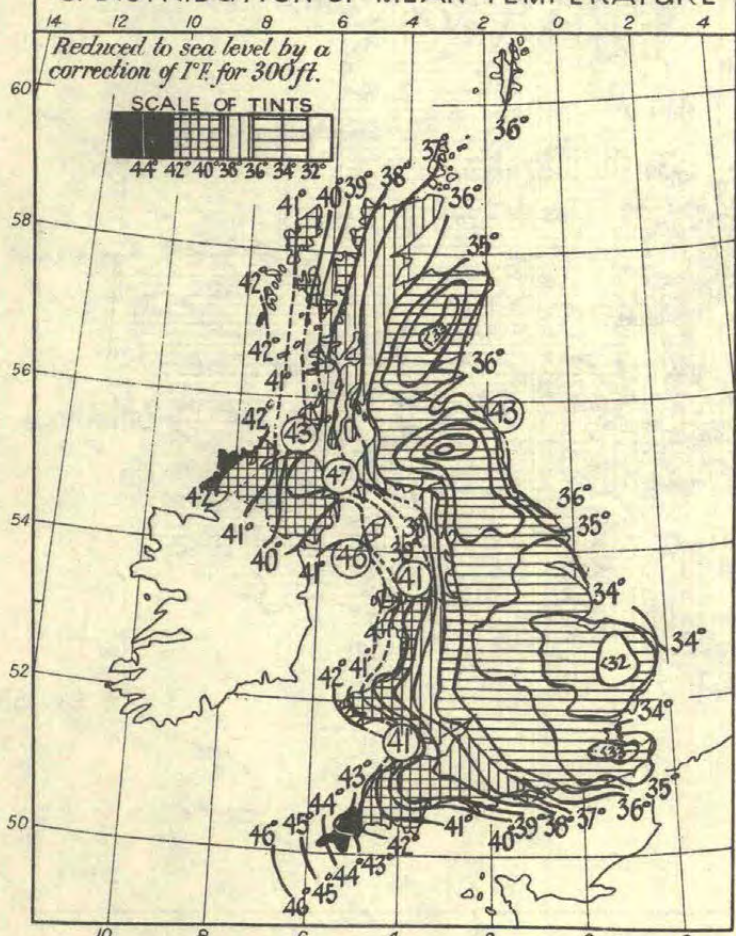
1. WIND AND MEAN PRESSURE. 7 A.M.



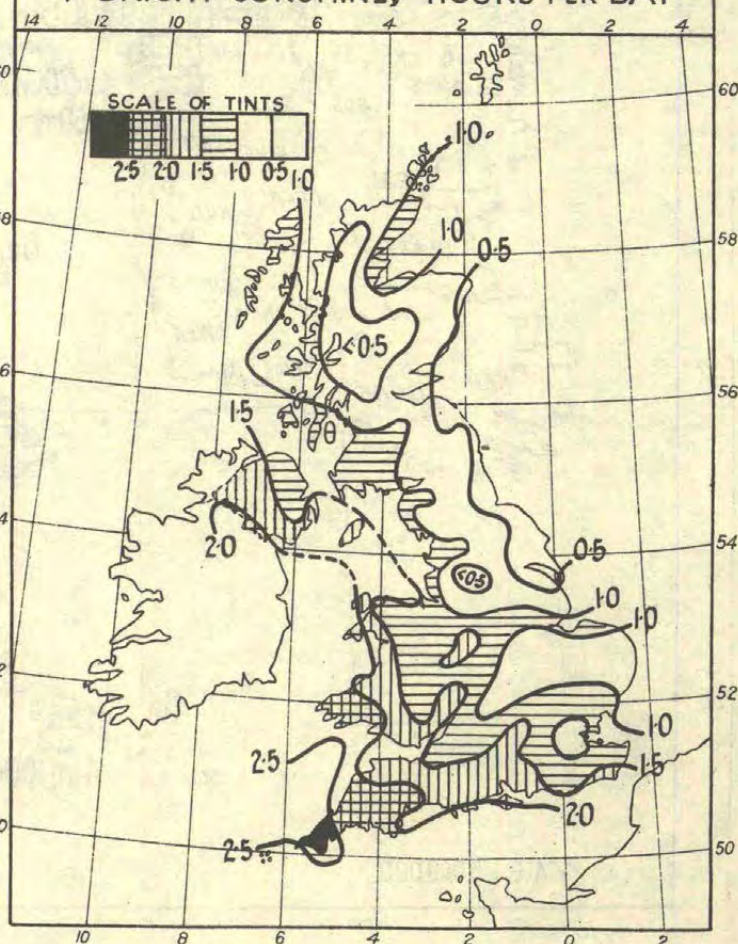
2. MOVEMENTS OF DEPRESSIONS.

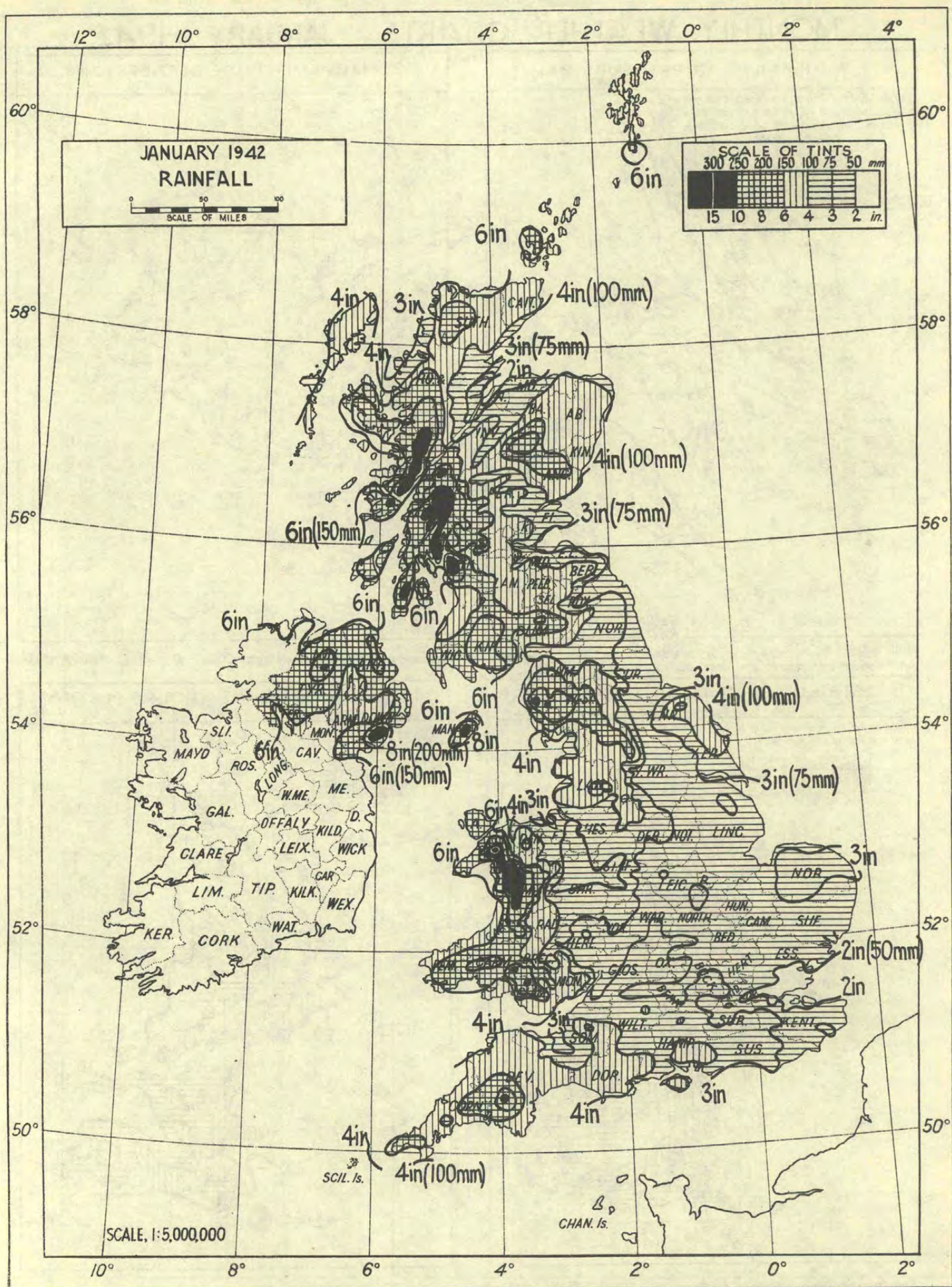


3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY





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

TABLE III -Summary of Observations of Temperature, Rainfall, Sunshine and Weather JANUARY, 1942

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		Per cent of Average	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage				
					A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft	4 ft	Amount	Date			in (1-2 mm) or more	in (1-9 mm) or more							Daily Mean	of Average	of Possible		
					°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in									hr	%	%		
0 SCOTLAND, N.																															
SCOTLAND																															
Shetland	Baltasound ..	9 9 9	31																												
	Lerwick Obay. %	9 9 9	269	38.3	31.9	35.1	-4.1	47	2	20	26	-	-	126	4.94	116	1.04	13	21	20	14	8	7	1	-	13	12	0.54	75	8	
	Sumburgh (Links)	18-7 7	19	39.7	34.9	37.3	-	48	2.3	21	26	-	-	156	6.15	-	1.06	13	28	21	17	7	8	0	0	12	6	0.54	-	8	
Orkney	Kirkwall ..	% 9 9 9	113	39.7	33.6	36.7	-2.6	49	2.3	24	26	38.2	-	127	4.98	138	.75	23	24	22	11	7	2	0	0	16	9	1.09	98	16	
Hebrides	Skallary ..	101010	30	46.1	37.8	41.9	-	52	2	30	24	-	-	149	5.88	-	.72	24	29	23	1	0	1	0	-	2	-	-	-	-	
	Stornoway %	18-7 7	79	43.4	37.3	40.3	-0.9	51	2	29	5	-	-	112	4.40	90	.54	24	26	24	4	0	3	0	0	-	11	1.25	142	17	
Skye	Duntuiln ..	9 9 9	294	42.8	36.0	39.4	-	50	2	31	5,26	-	-	131	5.14	-	.85	24	25	19	3	1	3	1	0	19	11	1.08	-	15	
Caithness	Wick ..	18-7 7	115	39.3	33.0	36.1	-3.7	50	3	25	6,26	-	-	111	4.37	178	.93	23	23	19	18	10	5	0	0	10	8	-	-	-	
Sutherland	Cape Wrath ..	18-7 7	367	39.2	35.8	37.5	-	48	2	26	26	-	-	105	4.15	-	.88	3	25	19	4	6	4	0	1	3	4	-	-	-	
Ross & Cromarty	Achnashellach ..	9 9 9	225	41.5	31.2	36.3	-3.0	50	2	23	31	-	-	192	7.57	79	1.33	24	25	20	11	3	0	0	0	-	0	-	-	-	
	Fortrose ..	9 9 9	69	40.7	32.2	36.5	-2.8	50	2	26	11,26,31	-	-	51	2.01	-	.83	3	19	7	8	7	0	0	0	-	3	1.36	24	19	
Inverness	Dalwhinnie ..	18-7 7	1176	35.0	26.7	30.9	-	47	3	9	31	-	-	77	3.02	-	.64	3	19	13	13	9	0	0	1	27	0	0.54	-	78	
	Ft. Augustus %	9 9 9	68	40.8	30.9	35.9	-2.4	50	2.3	21	10,31	-	-	92	3.61	67	.87	3	17	10	1	0	0	0	-	3	0.55	20	78		
	Ft. William ..	9 9 9	34	41.8	33.0	37.4	-1.8	50	2.3	23	11,31	37.5	42.7	182	7.17	74	1.29	24	20	16	6	2	0	1	0	8	1	0.14	30	28	
	Inverness %	9 9 9	242	40.5	32.0	36.3	-2.7	51	2.3	25	11,26	-	-	46	1.80	71	.95	3	13	6	6	3	0	0	0	17	0	1.04	72	14	
	Onich ..	9 9 9	48	42.6	32.0	37.3	-	51	3	23	11	-	-	192	7.57	92	1.14	24	24	17	4	5	0	0	0	26	0	0.52	64	78	
1 SCOTLAND, E.																															
Nairn	Nairn ..	% 9 9 9	20	41.0	31.7	36.3	-2.5	52	2.3	23	11	-	-	52	2.04	103	.77	3	16	7	14	7	1	0	0	20	2	1.22	84	17	
Moray	Forres ..	9 9 9	155	39.9	30.6	35.3	-	53	2	21	10,31	-	-	90	3.54	-	1.26	30	14	12	4	12	0	0	0	23	1	1.10	-	15	
	Gordon Castle ..	2121 9	104	39.4	30.8	35.1	-3.8	53	3	22	26	-	-	103	4.06	201	.92	3	18	15	14	9	0	0	-	-	-	0.66	47	98	
Banff	Banff ..	9 9 9	130	37.6	31.3	34.5	-4.4	52	3	23	27,30	-	-	101	3.96	230	.69	3	25	19	19	12	2	0	0	20	2	0.68	42	98	
Aberdeen	Aberdeen %	242424	79	38.7	32.0	35.3	-3.7	51	3	25	26	36.4	40.5	115	4.54	208	.72	23	23	18	18	13	2	0	3	18	0	0.58	39	8	
	Balmoral ..	9 9 9	927	36.2	24.4	30.3	-4.9	50	2.3	9	11	-	-	67	2.64	96	.87	25	20	12	10	26	0	0	-	29	1	-	-	-	
	Braemar ..	2121 9	1111	35.8	24.0	29.9	-5.0	49	3	8	14	-	-	73	2.86	90	.65	28	23	13	21	26	0	0	0	28	-	0.21	-	38	
	Craibstone ..	9 9 9	300	37.0	29.6	33.3	-4.8	50	3	22	26	36.7	40.2	106	4.18	182	.85	23	24	20	7	14	8	0	1	23	1	0.62	33	8	
	Tarland ..	9 9 9	540	35.5	24.7	30.1	-	50	2.3	11	26	-	-	98	3.85	-	.68	24	24	19	18	26	0	0	-	0	-	-	-	-	
Kinross	Stonehaven ..	9 9 9	12	41.8	28.9	35.3	-	55	3	21	29	-	-	127	5.00	-	.73	23	21	16	10	12	0	0	0	-	1	0.46	-	6	
Angus	Arbroath ..	9 9 9	93	39.1	30.2	34.7	-4.0	52	3	19	31	-	-	137	5.40	302	1.12	24	21	16	10	12	0	0	1	24	2	0.53	28	7	
	Carnoustie ..	9 9 9	39	39.2	31.1	35.1	-3.4	51	2.3	25	30	-	-	86	3.40	179	.95	24	22	13	10	10	0	0	-	-	-	0.50	35	78	
	Dundee ..	% 9 9 9	147	38.3	29.5	33.9	-4.4	53	3	24	11	34.7	-	103	4.04	209	.71	23	20	16	12	13	1	0	-	29	0	0.77	45	10	
	Kettins ..	9 9 9	218	37.1	27.1	32.1	-4.8	50	3	17	11,12	34.3	-	89	3.50	134	.63	24	19	15	14	12	0	0	3	26	0	-	-	-	
	Montrose ..	9 9 9	16	39.1	30.6	34.9	-3.6	51	3	24	30,31	-	-	82	3.23	-	.85	24	20	14	13	12	1	1	0	-	5	0.52	32	7	
Perth	Perth ..	9 9 9	76	38.4	28.5	33.5	-4.4	52	3	17	11	-	-	86	3.37	134	.62	3	18	13	11	14	0	0	-	-	0	0.71	52	9	
Fife	Cupar ..	9 9 9	210	38.1	29.8	33.9	-4.2	51	2.3	22	11	-	-	92	3.61	-	.64	3	18	17	8	16	0	0	-	-	0	-	-	-	
	Dunfermline ..	9 9 9	237	37.8	30.3	34.1	-	50	2.3	24	11	37.0	41.7	97	3.80	-	.82	21	18	12	11	14	0	1	11	26	0	0.92	-	12	
	Kirkcaldy ..	9 9 9	137	39.9	28.6	34.3	-5.4	50	2.3	21	22	-	-	64	2.52	-	.37	23	15	12	4	11	0	0	-	-	0	0.71	-	9	
	Leuchars ..	18-7 7	36	37.7	31.9	34.8	-4.1	51	3	25	11	-	-	93	3.65	201	.66	3	22	17	15	12	7	0	0	24	0	0.66	35	9	
	Lundin Links ..	9 9 9	40	40.3	30.5	35.4	-	52	4	23	14	-	-	74	2.90	-	.65	3	19	12	8	10	1	0	0	-	0	0.61	-	8	
	St. Andrews ..	9 9 9	13	39.3	30.5	34.9	-4.0	52	2.3	23	11,13	36.5	40.1	99	3.88	204	.73	3	18	17	10	9	0	0	0	27	0	0.63	40	8	
Mid Lothian	Balerno ..	9 9 9	750	36.7	29.2	32.9	-	49	2.3	22	21,22	-	-	191	7.54	-	2.30	21	17	13	7	12	0	0	1	25	0	0.99	-	13	
	Edinburgh—																														
	Blackford H. %	2121 9	441	38.6	31.6	35.1	-4.0	51	3	23	21,22	-	-	130	5.10	290	1.65	21	19	13	13	12	0	0	1	22	4	0.74	45	10	
	Botanic Garden	9 9 9	74	39.2	29.9	34.5	-	52	3	22	15	-	-	79	3.12	-	.52	3	16	14	11	9	1	0	11	-	-	0.61	-	8	
	Univ. King's B.	9 9 9	225	39.7	31.1	35.4	-	51	3	19	5	35.7	41.5	79	3.11	-	.66	3	16	14	-	-	-	-	-	-	-	-	-	-	
	Boghall ..	9 9 9	639					</																							

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JANUARY, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				A Max.	B Min.		Maximum	Date	Minimum												Date	1 ft	4 ft	Amount	Date	Snow	Hail	Daily Mean	of Average	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6a SCOTLAND, W.		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JANUARY, 1942

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			Per cent- age of Average	Moist in a day	Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Percentage									
				A	B		Maximum	Date	Minimum	Date												Daily Mean	of Average	of Poss- ible							
				Max.	Min.																				1 ft	4 ft					
G.M.T.		ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in											hr	%	%			
S ENGLAND, E.																															
Norfolk	Cromer	9 9 9	178	36·9	29·1	33·0	-6·1	48	4	18	27	-	-	65	2·57	131	.67	23	21	15	17	21	3	0	0	24	0	0·65	35	8	
	Hunstanton ..	9 9 9	105	37·6	27·9	32·7	-7·0	48	4	17	22	-	-	53	2·09	-	.56	23	17	10	8	18	1	1	0	-	-	1·19	62	15	
	Norwich	9 9 9	110	36·4	27·6	32·0	-7·0	49	4	17	27	34·7	-	73	2·88	-	.77	23	21	16	16	21	-	-	-	27	-	0·78	47	10	
	Sproston	9 9 9	93		29·9					19	13	-	-	81	3·20	-	.80	23	20	18	9	23	0	0	-	19	-	0·74	41	98	
	Terrington ..	9 9 9	13																												
	Thetford	9 9 9	99	36·8	23·7	30·3	-	50	4	6	21,22	34·6	40·1	84	3·29	-	1·15	23	17	13	6	15	0	0	1	27	-	0·85	-	10	
	(Lynford Nursery)																														
Suffolk	Yarmouth ..	18-7 7	5	36·5	31·5	34·0	-6·5	50	4,5	22	27	37·6	44·0	70	2·76	159	.67	23	18	13	11	6	5	1	1	19	0				
	Bungay (Flux'n) ..	9 9 9	79	36·1	27·4	31·7	-7·4	50	4	14	13	-	-	59	2·31	-	.93	23	11	10	10	22	1	0	0	27	-	-	-	-	
	Felixstowe Aero.	18-7 7	10	37·1	30·8	33·9	-6·3	48	4	19	13	-	-	57	2·26	148	.85	23	14	6	16	7	0	0	1	20	-	1·03	52	12	
	Ipswich, Belstead Hall	9 9 9	125	36·8	28·1	32·5	-	50	4	19	13	35·9	41·7	67	2·63	-	1·10	23	16	10	17	15	1	0	0	26	0	0·99	-	12	
	Lowestoft	9 9 9	82	36·8	28·3	32·5	-6·6	49	3	21	12,27	36·8	40·8	83	3·27	196	1·00	23	18	11	16	9	1	0	0	26	0	0·58	29	7	
Cambridge	Mildenhall ..	18-7 7	15	36·9	28·6	32·7	-	53	4	15	22	-	-	66	2·60	-	.87	23	17	10	14	9	0	0	1	25	0	0·91	-	11	
	Cambridge ..	2121 9	41	37·4	28·2	32·8	-6·5	51	4	16	11,12,21	36·1	42·2	51	2·01	132	.80	23	16	8	10	8	6	0	-	23	0	1·06	62	13	
Bedford	(Bot. Gdns.) (Univ. Farm) ..	9 9 9	78	36·6	28·2	32·4	-	51	4	15	21	-	-	56	2·19	-	.80	23	14	13	7	7	0	0	0	-	0	0·98	-	12	
	Dunstable ..	18-7 7	516	35·8	27·6	31·7	-	50	4	15	21	-	-	50	1·97	-	.73	23	14	11	16	13	1	0	1	26	0	1·14	-	14	
	Luton	9 9 9	381	36·9	26·8	31·9	-7·4	51	4	11	11	37·0	44·2	70	2·75	-	.75	23	13	11	-	-	-	0	24	-	1·12	69	14		
Hertford	Woburn	9 9 9	291	36·8	26·4	31·6	-7·3	49	3,4	4	21	34·3	44·5	59	2·31	135	.72	23	13	10	10	11	0	0	0	23	-	1·16	71	14	
	Rothamsted ..	9 9 9	420	36·5	26·5	31·5	-6·8	49	4	11	21	35·0	-	70	2·77	136	.67	30	16	9	13	13	1	0	1	23	0	1·38	79	17	
Essex	St. Albans ..	9 9 9	272	36·9	25·8	31·3	-7·2	50	4	8	21	34·9	-	67	2·65	138	.69	23	16	10	8	12	0	0	0	26	-	-	-	-	
	Clacton-on-S. ..	9 9 9	53	37·3	29·4	33·3	-5·8	47	4	20	12	37·6	43·2	59	2·34	164	.87	23	13	8	5	3	0	0	0	24	-	0·98	52	12	
	Dovercourt ..	9 9 9	47	37·4	29·3	33·3	-6·6	49	3,4	23	12,23,27	-	-	54	2·14	-	.60	23	13	10	11	21	0	0	1	27	-	1·12	-	14	
	Earls Colne ..	9 9 9	160	37·1	27·7	32·4	-6·8	51	4	15	15	36·1	42·2	67	2·63	-	1·03	23	14	11	13	16	1	0	-	24	-	-	-	-	
	Halstead	9 9 9	140	37·1	27·1	32·1	-6·8	51	4	15	15	-	-	66	2·61	-	1·00	23	12	9	13	2	1	0	-	-	-	-	-	-	
	Maldon	9 9 9	14	37·9	27·9	32·9	-	53	4	16	12,13	-	-	56	2·20	-	.90	23	12	6	9	-	0	0	3	-	-	0·98	-	12	
	Shoeburyness ..	18-7 7	11	37·7	30·5	34·1	-6·2	51	4	21	12,13,27	-	-	44	1·73	128	.54	23	9	6	14	7	0	1	1	24	0	1·26	69	15	
	Walton-on-Naze ..	9 9 9	35	38·5	29·5	34·0	-5·6	50	4	22	13,14,27	-	-	51	2·00	-	.61	23	17	9	-	-	-	5	20	-	0·95	54	11		
	Writtle	9 9 9	105	37·5	27·7	32·6	-	52	4	16	15	-	-	53	2·07	-	.80	23	12	6	6	11	0	0	-	25	-	-	-	-	-
	4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan ..	9 9 9	90	36·6	28·3	32·5	-	50	3	11	21	-	-	60	2·37	-	.53	31	16	10	13	11	0	0	2	26	-	0·70	-	9	
	Bingley	9 9 9	610	36·1	28·3	32·2	-	47	1,3,4	19	21,22,23	-	-	80	3·16	-	.50	28	20	16	9	16	0	0	3	26	-	-	-	-	-
	Bradford	9 9 9	439	37·0	29·4	33·2	-5·3	48	1,3,4	20	21,22	35·5	42·0	97	3·81	115	.57	19	19	13	-	-	-	10	26	-	0·59	64	7		
	Doncaster	9 9 9	25	38·7	28·5	33·6	-	51	4	16	21	-	-	57	2·26	-	.41	19	14	10	11	14	0	0	8	14	-	0·62	-	8	
	Harrogate ..	9 9 9	478	37·1	29·4	33·3	-3·9	48	3	19	21,22	38·0	41·1	100	3·93	152	.61	28	15	13	15	22	1	0	4	25	0	0·91	62	11	
	Huddersfield ..	2121 9	325	37·9	29·3	33·6	-5·3	49	3,4	17	21	35·6	-	69	2·73	95	.45	19,23	19	10	8	6	0	-	8	-	0·30	32	4		
	(Oakes)	9 9 9	761	35·7	28·5	32·1	-6·6	46	3,4	17	21	35·5	41·1	89	3·52	106	.48	19	18	15	11	19	1	2	7	23	0	-	-	-	
	Ilkley	9 9 9	315	37·4	28·8	33·1	-5·6	50	3	20	22	-	-	170	6·70	-	1·07	22	21	17	11	15	0	0	7	24	-	1·04	27	13	
	Meltham	9 9 9	585	37·3	29·3	33·3	-	48	3	17	21	37·2	-	110	4·35	-	.67	27	18	16	-	-	-	-	23	-	-	-	-	-	
	Pontefract ..	9 9 9	255	37·2	29·8	33·5	-5·7	50	3	18	21	-	-	56	2·20	131	.51	30	11	9	-	-	-	-	12	22	-	0·82	-	10	
Derby	Rotherham ..	7 7 7	284	37·4	29·2	33·3	-	50	4	16	21	35·0	-	53	2·07	-	.56	30	16	12	14	5	1	0	1	18	-	0·71	-	9	
	Sheffield	9 9 9	428	37·7	30·5	34·1	-5·6	49	2,4	18	21	35·8	41·0	84	3·30	120	.70	19	17	12	9	7	0	0	-	21	-	0·63	47	8	
	Wakefield ..	9 9 9	124	38·1	30·0	34·1	-5·5	50	3	21	21	35·5	42·1	70	2·75	143	.59	30	21	10	15	8	7	0	5	24	-	0·46	52	68	
	Belper (School) ..	9 9 9	198	38·8	26·2	32·5	-6·0	50	1,3	14	21	-	-	(61)	(2·40)	100	.90	24	13	9	12	16	0	0	-	-	-	-	-	-	
	Buxton	9 9 9	1007	34·6	27·5	31·1	-5·3	45	2,3	17	22	35·2	39·6	149	5·86	131	1·28	23	18	16	11	19	0	0	6	22	0	0·41	42	58	
Nottingham	Attenborough ..	9 9 9	89	37·7	27·0	32·3	-	50	4	11	11	-	-	61	2·39	-	.44	19	18	13	-	-	-	-	-	-	-	-	-	-	-
	Mansfield ..	9 9 9	357	36·9	28·8	32·9	-5·5	49	4	14	21	-	-	73	2·89	134	.65	30	16	12	8	16	2	0	3	-	-	-	-	-	-
	Nottingham ..	9 9 9	192	37·5	29·7	33·6	-5·5	51	4	19	21	35·4	39·9	68	2·67	147	.68	23	15	12	-	-	-	17	25	-	1·22	104	15		
	Sutton Bonington	9 9 9	157	35·6	27·1	31·3	-8·0	48	3,4	11	21	-	-	55	2·15	130	.43	23	14	10	10	13	1	0	-	23	-	0·87	58	11	
Leicester	Leicester ..	9 9 9	325	38·1	27·2	32·7	-	51	5	17	21	37·0	41·1	62	2·45	-	.50	19	13	9	4	5	0	0	1	24	-	0·90	-	11	
Northampton	Oundle	9 9 9	147																												
	Peterborough ..	9 9 9	46	38·2	28·7	33·5	-	52	4	13	21	-	-	67	2·63	-	.69	23	18	13	10	0	0	0	-	-	-	-	-	-	-
	Raunds	9 9 9	193	36·7	26·5	31·6	-	50	4	5	21	-	-	65	2·54	-	.55	30	16	13	13	16	0	0	0	-	0	-	-	-	-
Warwick	Birmingham ..	18-7 7	535	36·4	30·5	33·5	-6·1	48	4	19	22	37·8	43·9	91	3·60	178	.69	30	19	14	11	7	0	0	11	19	0	1·09	77	13	
	Sparkhill	7 7 7	425	37·4	27·9	32·7	-6·4	50	4	18	11,12,22	-	-	87	3·41	159	.72	30	18	13	12	9	2	0	11	21	-	-	-	-	-
	Coventry	9 9 9	241	37·5	26·1	31·8	-7·5</																								

† See Notes on Tables in Annual Summary.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather JANUARY, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				A	B		Maximum	Date	Minimum			Date	mm												in	%	in	in (0.2 mm) or more	in (1.0 mm) or more	Snow	Thunder	Fog	Frost	Gale	hr	%	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in	%	in	mm	in

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JANUARY, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hall	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Aver- age	of Poss- ible						
				A Max.	B Min.		Max.	Date	Minimum		Date	0 in (0.2 mm or more)													0.1 in (1.0 mm or more)	Snow				
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	0 in (0.2 mm or more)	0.1 in (1.0 mm or more)	Snow	Snow lying	Hall	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%
5 ENGLAND, S.E.—cont.																														
I. of Wight	Newport ..	9 9 9	48	40.9	29.4	35.1	-5.8	52	4	12	15	-	123	4.86	-	.89	23	19	14	4	9	0	0	7	20	-	-	-	-	
	Ryde ..	9 9 9	13	40.9	32.0	36.5	-5.8	52	4	23	12	-	99	3.89	-	.87	19	14	10	6	7	0	0	0	-	0	1.84	99	22	
	St. Catherine's Point	18-7 7	150	40.8	34.1	37.5	-	51	4	23	15	-	99	3.90	-	.80	19	18	14	2	0	0	0	0	-	0	-	-	-	
	Sandown ..	9 9 9	13	42.3	32.4	37.3	-5.0	53	4	23	13	-	101	3.98	-	.67	19	14	11	4	4	0	0	0	-	-	1.96	93	22	
	Totland Bay ..	9 9 9	140	41.5	31.8	36.7	-5.2	51	3	23	11,15,27	-	89	3.52	152	.63	19	19	13	6	0	0	0	0	20	4	2.06	98	24	
	Ventnor(Hospital)	9 9 9	60	42.1	33.6	37.9	-4.8	52	4	26	11,22	-	112	4.43	172	.80	19	17	13	4	3	0	0	-	-	0	2.28	106	27	
Wiltshire	Amesbury (Boscombe Down)	18-7 7	417	37.6	29.8	33.7	-	51	4,25	16	22	-	92	3.61	-	.98	19	17	12	9	10	1	1	3	18	0	1.78	-	21	
	Larkhill ..	9 9 9	440	38.3	28.0	33.1	-6.4	49	3	16	12	-	77	3.04	140	.55	30	16	14	7	7	1	1	3	21	0	-	-	-	
	Marlboro' †	9 9 9	424	38.8	26.3	32.5	-6.3	49	3,4	6	15	36.7	43.5	102	4.02	160	.67	23	17	14	9	13	0	0	3	26	1	1.25	88	17
	Porton ..	9 9 9	363	39.6	27.0	33.3	-6.0	52	24	16	12	36.1	-	80	3.15	137	.51	30	16	12	9	11	1	1	2	24	0	1.87	92	22
7a ENGLAND, N.W.																														
Cumberland	Keswick ..	9 9 9	254	40.3	31.1	35.7	-4.6	53	3	22	6	36.6	43.8	119	4.67	92	1.08	3	17	13	9	5	1	0	4	21	0	0.58	55	7
	Newton Rigg †	2121 9	560	37.8	28.2	33.0	-4.8	50	3	21	21	-	130	5.13	160	1.16	21	18	17	12	5	0	0	0	26	0	0.99	77	13	
Westmorland	Ambleside ..	9 9 9	145	39.0	29.0	34.0	-	51	3	20	11	-	213	8.38	-	1.04	23	22	16	10	21	0	0	5	-	-	0.69	-	9	
	Appleby ..	9 9 9	440	36.2	28.4	32.3	-4.8	49	3	20	6	-	104	4.11	128	.60	9,21	20	16	5	18	0	0	-	-	-	-	-	-	
Lancashire	Blackpool ..	9 9 9	65	39.4	30.3	34.9	-5.0	48	1,2,3	22	21,22,23	37.0	42.8	110	4.34	159	.66	19	18	15	11	6	0	0	8	23	-	1.13	76	14
	Bolton ..	9 9 9	342	37.9	29.0	33.5	-5.6	48	3	20	22	36.4	41.9	137	5.41	146	.66	19	22	16	10	15	1	1	-	20	-	0.79	120	10
	Burnley ..	9 9 9	458	37.0	28.5	32.7	-5.6	48	3	20	21,22	36.1	42.1	118	4.65	-	.64	12	17	14	10	5	2	0	10	26	-	-	-	
	Darwen ..	2121 9	724	39.6	30.8	35.2	-	48	2,3,4	18	22	-	103	4.04	-	.54	30	13	13	9	8	0	0	0	26	0	1.05	-	13	
	Fleetwood ..	9 9 9	21	39.6	30.8	35.2	-	48	2,3	22	6,7	36.3	43.3	96	3.80	-	.67	23	14	13	8	7	1	0	-	20	0	0.72	63	9
	Hutton ..	9 9 9	82	38.6	30.2	34.4	-5.1	49	3	22	6,7,23	-	92	3.61	124	.60	23,30	14	12	3	5	1	0	24	23	-	-	-	-	
	Leyland ..	9 9 9	125	38.6	29.5	34.1	-5.3	50	3	22	6,7,23	-	92	3.61	124	.60	23,30	14	12	3	5	1	0	24	23	-	-	-	-	
	Manchester (Burnage)	9 9 9	147	38.2	29.8	34.0	-	49	3	22	18,21,22	-	77	3.02	-	.57	23	12	11	6	6	0	0	6	22	-	0.41	-	5	
	(Whitworth Pk.)	2121 9	125	38.3	30.7	34.5	-5.9	49	3,4	21	21	36.3	41.8	97	3.80	151	.59	19	20	15	10	8	1	1	-	21	0	0.56	85	7
	Morecambe ..	9 9 9	23	39.1	31.0	35.1	-4.5	49	3	23	22,23	-	96	3.78	120	.55	3	15	12	5	2	0	0	8	-	0	1.10	75	14	
	Nelson ..	9 9 9	540	36.7	29.1	32.9	-	48	3	20	22	34.6	41.8	129	5.09	-	.65	3,28	18	14	-	-	-	-	16	25	-	0.83	-	10
Cheshire	Southport (Bedford Rd.Pk.) †	9 9 9	35	39.5	31.0	35.3	-4.9	51	3	22	22,23	36.7	41.8	101	3.97	154	.67	19	19	16	11	6	5	0	6	21	1	1.18	79	15
	Stonyhurst †	9 9 9	377	37.2	29.5	33.3	-5.6	48	3	20	21	-	143	5.62	131	.78	1	18	15	10	6	2	0	0	21	0	1.33	120	17	
	Bidston Obs'y ..	9 9 9	198	38.9	31.7	35.3	-5.4	51	3	21	22,23	-	98	3.85	182	.69	19	19	15	-	-	-	-	4	17	0	1.41	81	17	
	Hoylake ..	9 9 9	23	40.5	31.2	35.9	-5.4	52	3	22	22,23	-	116	4.57	200	.78	19	18	15	7	13	0	0	-	23	-	1.59	91	20	
	Macclesfield ..	9 9 9	500	36.6	29.2	32.9	-5.1	47	2,3	20	22	-	84	3.32	122	.58	23	17	13	11	8	0	0	5	-	-	-	-	-	
	Manchester (Ringway) ..	18-7 7	235	36.7	30.7	33.7	-	48	3,4	21	22	-	77	3.01	-	.57	30	20	15	11	8	2	0	2	21	0	-	-	-	
West Kirby ..	9 9 9	68	38.1	28.7	33.4	-	50	3	19	21	-	79	3.11	-	.58	30	16	12	8	11	3	0	7	24	-	0.43	-	5		
	9 9 9	25	39.0	30.6	34.8	-5.9	51	3	21	22,23	-	117	4.63	225	1.24	19	17	14	11	7	4	0	0	24	-	1.55	79	9		
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	40.4	31.0	35.7	-5.7	52	3	22	22,23	-	-	(77)	(3.02)	-	.59	19	19	12	6	8	0	0	3	-	-	-	-	-
	Prestatyn ..	9 9 9	18	43.6	33.1	38.3	-	52	2,3	24	23	-	65	2.55	-	.71	30	12	10	4	4	0	0	0	-	-	1.09	-	14	
	Rhyl ..	9 9 9	31	42.2	32.5	37.3	-4.2	52	3,23	23	22,23	-	88	3.46	184	.84	19	19	15	5	4	2	0	1	19	0	1.41	75	7	
	Sealand .. †	18-7 7	16	39.2	32.6	35.9	-5.6	52	3	23	22,23	39.5	44.6	82	3.23	175	.56	22	19	13	11	5	1	0	6	19	1	1.31	76	14
Anglesey	Holyhead †	8 8 8	26	45.1	37.5	41.3	-2.7	51	3,4,24	31	11,21	-	188	7.39	252	1.49	12	26	17	-	3	-	-	-	12	3	1.97	118	23	
	Holyhead (Valley)	18-7 7	32	43.9	37.0	40.5	-	51	3	29	11	-	176	6.94	-	1.30	12	21	19	2	1	3	0	1	10	7	-	-	-	
Denbigh	Colwyn Bay ..	9 9 9	118	44.2	34.5	39.3	-3.1	53	1,3,23	25	22	-	89	3.49	130	.82	30	16	13	2	1	3	0	0	-	-	1.49	87	18	
Carnarvon	Aber ..	9 9 9	60	45.9	36.3	41.1	-2.4	52	2,4	28	11	-	139	5.48	-	.65	22	22	19	1	1	0	0	1	17	1	0.76	70	9S	
	Llandudno ..	9 9 9	13	44.3	35.6	39.9	-2.7	55	23	26	22,23	-	87	3.43	142	.74	19	18	15	3	1	0	0	2	18	0	1.41	81	16	
Merioneth	Bala ..	9 9 9	535	41.8	29.6	35.7	-	48	1,2,23	20	11	-	139	5.48	-	1.01	30	24	18	7	3	0	0	4	-	0	-	-	-	
Montgomery	Lake Vyrnwy ..	9 9 9	750	41.7	28.9	35.3	-	55	1,2	19	27	-	178	7.00	-	1.12	23	23	19	14	18	0	0	3	25	-	-	-	-	
	Welshpool ..	9 9 9	254	43.5	27.7	35.6	-4.3	52	1,3	12	13	-	74	2.93	111	.51	30	14	14	5	6	0	0	0	-	-	-	-	-	
8a SOUTH WALES																														
Cardigan	Aberporth ..	18-7 7	376	42.4	35.7	39.1	-	50	23,24	24																				

TABLE IV—Summary of Observations at fixed hours JANUARY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS															
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION										
											0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Med. Vis.	Good Vis.	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	1	2	3																		0	1	2
0 SCOTLAND, N.																																							
Shetlands	Sumburgh (Links) ..	1	23	1012.3	-	37.7	1.7	6.4	84	8.3	0	3	3	7	18	0	0	0	0	0	1	7	8	15	0	4	5	11	9	2	3	1	0	7	12	3	1	2	
		7	23	1012.1	+6.6	37.3	1.4	6.6	87	8.5	0	4	1	6	20	0	0	0	1	1	0	8	10	9	2	1	9	6	13	2	2	2	0	4	13	6	1	1	
		13	23	1011.9	-	37.6	1.5	6.6	86	8.9	0	1	3	10	17	0	0	0	1	0	2	9	7	10	2	3	8	9	10	1	4	1	0	7	11	3	3	1	
		18	23	1011.7	-	37.6	1.8	6.4	83	7.8	0	5	3	6	17	0	0	0	0	1	1	6	10	11	2	3	8	11	8	1	3	1	1	7	12	3	2	1	
Hebrides	Stornoway ..	1	83	1009.4	-	40.2	0.6	8.0	94	8.2	1	0	4	18	8	0	0	0	0	0	0	3	23	5	0	2	11	7	10	1	2	1	1	1	3	11	7	2	3
		7	83	1009.1	+3.0	40.0	0.9	7.7	92	8.1	0	3	4	14	10	0	0	0	0	0	0	4	22	5	0	2	8	5	14	2	1	1	1	3	9	7	4	3	
		13	83	1008.8	-	42.0	1.0	8.3	91	8.6	0	0	3	19	9	0	0	0	0	0	1	9	19	2	2	8	6	14	1	1	1	1	3	9	6	4	5		
		18	83	1008.6	-	40.0	0.7	7.8	93	8.6	0	0	4	15	12	0	0	0	0	0	0	2	22	7	0	4	6	8	11	2	3	1	1	5	8	3	3	5	
Caithness	Wick ..	1	117	1011.2	-	35.7	1.2	6.1	88	8.0	1	4	0	12	14	0	0	0	0	2	3	8	11	6	1	4	6	7	14	0	2	1	1	5	10	4	5	3	
		7	117	1011.1	+4.4	36.1	1.4	6.2	86	7.5	0	7	3	6	15	0	0	0	0	1	4	7	9	7	3	3	5	9	13	1	2	1	0	3	12	5	6	1	
		13	117	1010.5	-	37.6	1.7	6.4	84	8.1	0	4	3	12	12	0	0	0	0	1	1	9	4	12	4	3	3	8	16	1	3	1	0	7	11	4	2	2	
		18	117	1010.4	-	36.6	1.5	6.3	85	7.8	0	5	2	10	14	0	0	0	0	1	1	9	7	9	3	4	5	5	15	2	2	1	0	5	12	2	4	3	
Inverness	Dalwhinnie †	7	1180	967.7	-	29.6	0.8	4.9	91	7.4	0	5	6	6	14	0	0	1	0	0	2	7	11	10	0	0	3	9	16	3	4	1	0	5	9	6	1	2	
		13	1180	967.5	-	33.2	1.5	5.4	84	8.9	0	1	2	10	18	0	0	0	0	3	6	8	14	0	0	0	3	12	16	0	3	3	1	5	8	9	0	2	
		18	1180	967.5	-	32.0	1.1	5.3	88	8.4	1	2	2	11	15	0	0	0	1	2	3	6	10	9	0	0	2	8	17	4	4	2	0	5	8	5	1	2	
		9	250	1010.9	-	36.0	1.5	6.1	85	4.9	0	6	20	5	0	0	0	0	0	0	0	0	0	0	10	21	0	0	6	25	0	0	2	1	19	4	3	1	1
Inverness ..	..	17	250	1010.1	-	37.3	1.7	6.3	84	4.7	0	8	18	4	1	0	0	0	0	0	0	0	0	12	19	0	1	4	26	0	1	2	3	14	4	7	0	0
		1 SCOTLAND, E.																																					
Aberdeen	Aberdeen H	7	85	1012.6	+3.5	35.0	1.7	5.7	83	7.8	0	5	3	6	17	0	0	0	3	3	7	13	4	1	0	0	1	11	17	2	2	1	1	5	8	3	2	7	
		13	85	1012.1	-	36.5	1.8	6.0	82	8.2	0	4	2	8	17	0	0	0	2	4	3	16	5	1	0	0	2	10	18	1	3	0	0	5	10	7	0	5	
		18	85	1011.6	-	35.9	1.6	6.0	85	7.3	1	5	4	7	14	0	0	1	5	6	5	13	0	1	0	0	2	8	19	2	1	1	0	3	9	7	2	6	
		h*	85	1012.1	+2.7	35.6	1.7	6.0	84																														
Fife	Leuchars.. H	9	1108	1013.3	+3.4	30.6	1.3	4.9	85	8.4	1	2	2	7	19	0	0	0	0	5	15	10	1	0	0	0	1	4	19	7	4	0	0	1	2	10	3	4	
		7	36	1012.7	+3.0	33.9	1.1	5.9	88	6.8	1	9	1	4	16	0	0	0	0	3	8	7	6	4	0	0	1	5	14	11	0	1	2	4	3	2	4	4	
		13	36	1012.1	-	36.5	1.6	6.2	84	8.6	0	2	2	10	17	0	0	0	0	1	6	11	4	2	0	0	3	5	18	5	3	1	0	4	6	5	4	3	
		18	36	1011.6	-	35.4	1.1	6.2	87	7.2	1	6	2	9	13	0	0	0	1	5	6	11	1	4	2	0	5	3	13	10	2	1	0	7	3	4	3	1	
Mid Lothian	Edinburgh (Blackford Hill)	9	441	1012.6	-	34.7	1.5	5.7	84	7.8	0	7	1	4	19	0	1	0	0	10	2	14	0	4	0	1	3	9	14	4	1	2	1	3	7	5	7	1	
		21	441	1011.8	-	34.9	1.3	5.9	87	8.1	0	3	4	8	16	-	-	-	-	-	-	-	-	-	-	-	1	2	9	14	5	4	0	1	3	5	3	7	3
6a SCOTLAND, W.																																							
Argyll	Tiree ..	7	27																																				
		13	27																																				
		18	27																																				
Bute	Rothesay ..	9	187	1012.0	+1.1	36.7	1.0	6.6	90	7.2	0	6	3	13	9	0	0	0	0	0	5	9	11	6	0	2	1	3	25	0	1	3	3	5	5	2	5	7	
		21	187	1011.6	-	37.5	1.2	6.7	89	7.5	1	6	2	6	16	0	0	0	0	0	3	10	10	8	0	1	2	1	27	0	2	0	8	4	3	1	11	2	
Renfrew	Renfrew .. (Abbotsinch)	7	24	1012.8	+2.1	34.4	1.1	6.1	89	8.1	0	4	3	4	20	0	2	0	1	4	5	13	4	2	0	0	0	6	23	2	3	4	6	2	2	7	4	1	
		13	24	1012.2	-	37.3	1.7	6.5	84	8.5	1	2	3	3	22	0	0	3	6	4	7	4	3	2	0	0	0	11	17	3	1	4	6	3	2	5	5	2	
		18	24	1011.7	-	35.7	1.3	6.3	88	8.2	0	4	2	8	17	0	2	0	6	6	9	3	1	4	0	0	2	5	19	5	0	3	5	2	4	3	7	2	
Dumfries	Eskdalemuir ††H	7	778	1013.6	+1.5	30.2	0.8	5.1	89	7.5	4	3	1	2	20	0	0	2	6	5	10	4	4	0	0	0	1	6	13	11	3	2	2	3	5	4	1	0	
		13	778	1012.8	-	33.1	1.3	5.4	85	8.4	0	3	3	7	18	0	1	0	1	3	4	13	2	4	0	0	3	7	12	9	1	2	1	5	6	2	2	3	
		18	778	1012.5	-	32.1	1.0	5.4	88	8.5	1	2	2	6	20	0	1	0	0	9	5	11	3	2	0	0	3	8	11	9	2	1	1	5	5	2	1		
		h*	778	1012.7	-	31.9	0.9	5.5	90	8.2	1	2	4	5	19	0	1	0	2	7	6	10	3	2	0	0	1	9	11	10	3	2	0	4	7	1	3	1	
h*	778	1013.1	-	31.6	0.9	5.3	88																																
								6b ISLE OF MAN																															
Isle of Man	Douglas .. H	9	286	1013.3	+0.2	38.4	1.6	6.7	85	6.4	0	3	13	13	2	0	0	0	2	0	0	18	11	0	0	1	8	16	6	0	3	4	3	6	2	4	5	4	
		7	31	1012.8	-	39.0	1.3	7.1	92	7.2	0	9	0	6	16	0	0	0	0	1	1	4	11	14	0	1	10	9	11	0	4	5	1	0	9	6	3	3	
		13	31	1012.5	-	41.2	1.8	7.5	85	7.5	0	6	3	5	17	0	0	0	0	0	2	7	6	16	0	0	4	7	13	7	0	2	3	1	11	5	2	6	
Point of Ayre ..	..	18	31	1012.0	-	39.9	1.4	7.3	87	6.5	0	10	4	3	14	0	0	0	0	0	2	6	7	16	0	3	7	12	9	0	3	3	2	1	9	4	5	4
		2 ENGLAND, N.E.																																					
		Northumb- erland	Cockle Park ..	9	331	-	-	33.8	1.2	5.7	87	9.1	0	0	3	6	22	0	0	0	2	1	7	14	0	3	4	0</											

TABLE IV (continued)—Summary of Observations at fixed hours JANUARY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
											0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
																0	1	2	3																		0	1	2	3	4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
2 ENGLAND, N.E.—cont.		G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

TABLE IV (continued)—Summary of Observations at fixed hours JANUARY, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
										0	1	2	3	4	5	6	7	8	9	10	Fog			Mist	Poor Vis.	Med. Vis.	Good Vis.	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	1	2																		3	4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
5 ENGLAND, S.E.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

S.O. Code No. 40-9999

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 2.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1431 3

FEBRUARY, 1942.—Exceptionally cold; dry; dull in England and Wales.

The month was remarkable for its persistently cold character. It was also dry on the whole, notably so in the south-west of England and Wales, and mainly dull in England and Wales.

During the opening days pressure was high both to the north-east and south-west of the British Isles, while an elongated trough of low pressure lay over this country; precipitation was general, mostly in the form of snow except in the west, and by the morning of the 3rd the ground was covered with snow to a depth of more than six inches locally in north-east England and south and east Scotland. By the 5th an anticyclone was situated westward of the British Isles and on the 6th and 7th an elongated trough of low pressure, associated with a depression north of the Shetland Isles, moved slowly east over our western districts; temperature was low, and mainly slight, scattered precipitation occurred, but locally in east Kent there was considerable snow on the 5th. Subsequently pressure continued high westward of Ireland while small disturbances moved south-east from the neighbourhood of the Faeroes. Temperature rose somewhat and there was some precipitation but it was slight in most parts. On the 11th and 12th an Icelandic depression moved south-east and, in its rear, gales were reported locally on the 12th and 13th, while sunshine records were mainly good on the 13th.

Thereafter the Azores anticyclone moved slowly north-east across the British Isles to southern Scandinavia, increasing in intensity meanwhile, and ultimately it moved north-west to Iceland; a spell of cold, mainly anticyclonic conditions prevailed over the British Isles until the 20th. On the 21st and 22nd a secondary depression over Portugal spread north-east, while pressure continued high northward of Iceland; very cold north-easterly winds prevailed, with slight snow and an east-north-easterly gale was reported at Tynemouth on the morning of the 21st. On the 23rd and 24th pressure was high to the north and low to the south of the British Isles and weather continued cold, with slight snow locally. By the 25th a ridge of relatively high pressure extended from north-east to south-west across the British Isles; subsequently it moved away south-south-east. Meanwhile depressions moved north-east along our north-west seaboard; precipitation occurred in the west and north and was fairly heavy locally.

Pressure and Wind.—Mean pressure exceeded the average, the excess being greatest in the north; the deviation at 7h. ranged from +4.4 mb. at Lympne to +11.9 mb. at Stornoway. Mean pressure was thus very uniform over the British Isles. Winds from some northerly point were more prevalent than usual, north-easterly winds being particularly frequent in the south. Gales were infrequent; the most widespread occurred on the 12th-13th but gales were also registered locally in north Scotland between the 1st and 3rd and on the 26th and 27th and a gale was reported at Tynemouth on the 21st. Among the highest speeds recorded in gusts were 65 m.p.h. at Kirkwall on the 3rd, 74 m.p.h. at Lerwick on the 12th and 68 m.p.h. at Stornoway on the 27th.

Temperature.—Mean temperature was notably low; over Scotland the deviation from the average was -4.5°F. and over England and Wales -7.1°F. (see Table 1). At a large number of stations in the Midlands and in England, S.E. the deficiency was 8°F. or more. Over Scotland generally it was the coldest February since 1900 and over England and Wales since 1895. The very low mean temperature was due to prolonged cold rather than to any short period of intense cold. Screen temperatures of 10°F. or below were registered only at a very few stations but readings of 15°F. or below were fairly numerous in Great Britain, notably on the 8th, 9th and between the

20th and 27th. In contrast the previous hard Februaries of 1917 and 1929 each gave readings below 0°F. Day temperatures, too, were persistently low; in Scotland temperature in the screen nowhere reached 50°F., a condition which has not been recorded in any previous February for at least 80 years. The same condition prevailed over most of England (see Table III). The prolonged cold of February was the more important since it followed an unusually cold January. The mean temperature for the two months taken together may be compared with the same period in 1940 and 1941; over England and Wales mean temperature was lower than in 1941 and about equal to that in 1940.

The extremes for the month were:—(England and Wales) 56°F. at Newton Abbot on the 2nd, 7°F. at Houghall on the 8th; (Scotland) 49°F. at Tiree and Skallary on the 3rd, at Gordon Castle and Baltasound on the 15th, at Kilmarnock and Auchincruive on the 20th and at Skallary also on the 2nd and 9th, 5°F. at Braemar on the 25th; (Northern Ireland) 52°F. at Donaghadee and Armagh on the 3rd, 15°F. at Aldergrove on the 23rd.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 50 over England and Wales, 72 over Scotland and 69 over Northern Ireland. An excess occurred over a fairly large area in north-east England and at a few rather widely separated stations in the eastern coastal district of Scotland. More than the average occurred also over a small area in east Kent and at one or two isolated stations elsewhere. The month was notably dry in south-west England and south Wales; less than 10 per cent. was received on most of the south coast from Falmouth to Portland and on the north coast of Devon. A few places in Scotland recorded an absolute drought from the 11th to 25th and many places in England experienced an absolute drought from the 13th-28th; at Teignmouth there was no measurable rain from the 7th-28th.

Falls of one inch or more occurred at a number of places on one or other of the first few days and locally in the north-west on the last three days. Among the largest daily falls were 2.50 in. at Tarbert (Jura) and 2.38 in. at Torrisdale Castle, near Carradale (Argyll) on the 2nd and 2.10 in. at Eoligaray (Barra) on the 26th.

Snow occurred frequently and the falls were heavy at times during the first week. Many Aberdeenshire villages were completely isolated for several days and on some of the roads near Kelso, Roxburgh, drifts were 18 feet deep. Snowfall was heavy also in parts of England; at Bellingham level snow was 10 inches deep from the 2nd-6th and snow lay 14 inches deep at Harrogate, 10-12 inches at Bingley and 10 inches at Mayfield on the 3rd. Owing to the persistently low temperatures snow remained on the ground for a long time, particularly on high ground; at some places it lay throughout the month.

Sunshine.—In England and Wales sunshine was considerably below the average on the whole; in eastern districts it was particularly scanty. In Northern Ireland sunshine was about average and in Scotland, it was variable, but for the country generally it was not very different from the average.

Fog.—Local fog occurred at times chiefly on the 1st-3rd, 6th-10th, 15th, 20th and 25th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 12 nights. Solar halos were noted at Oxford on five days. A brilliant meteor of greenish colour was seen in the north-east from Duntuil, Skye, on the evening of the 13th.

TABLE I—DISTRICT VALUES—

FEBRUARY, 1942

[1908, revised 1928 and 1941]

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.	49	11	-3.3	—	—	75	-3	103	21
Eastern									
1 SCOTLAND, E.	49	5	-5.2	—	—	98	-1	93	24
2 ENGLAND, N.E.	49	7	-6.7	-3.7	-2.1	104	-2	53	13
3 ENGLAND, E.	48	13	-7.6	-5.1	-3.3	59	-5	66	16
4 MIDLAND COUNTIES	53	11	-7.2	-4.1	-2.8	54	-5	74	16
5 ENGLAND, S.E.	51	12	-8.0	-5.6	-3.3	59	-6	62	16
Western									
6 SCOTLAND, W.	51	12	-5.0	-1.7	-1.2	64	-4	101	22
7 ENGLAND, N.W. (and N. Wales)	52	11	-6.5	-4.5	-2.9	65	-6	86	20
8 ENGLAND, S.W. (and S. Wales)	56	11	-6.6	-4.6	-1.3	12	-9	88	23
NORTHERN IRELAND	52	15	-3.2	—	—	71	-5	99	23
MEAN	—	—	-4.5	—	—	—	—	99	22
0, 1, 6	—	—	-4.5	—	—	—	—	99	22
MEAN	—	—	-7.1	—	—	—	—	71	17
2, 3, 4, 5, 7,	—	—	-7.1	—	—	—	—	71	17

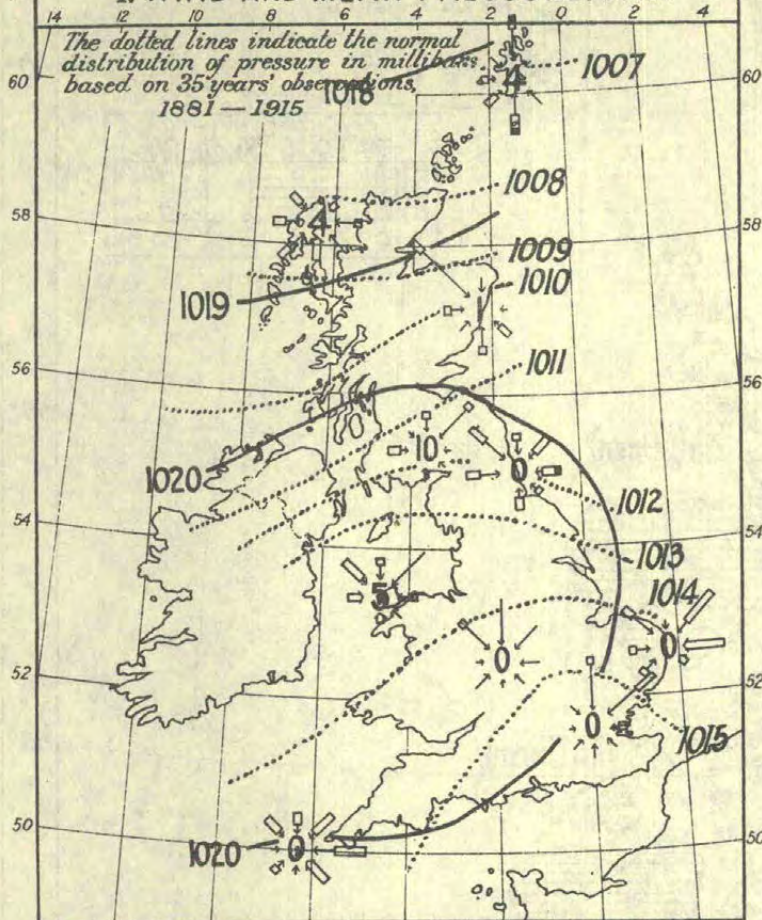
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— FEBRUARY, 1942

[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time			
	ft	ft	ft		hr		hr	hr	hr	hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																			
Shetland Lerwick ..	310	53	39	1-3; 12-13; 27	52	12	118	211	259	32	0	350	51	23	12 23	74	33	12	22 10
Orkney Kirkwall ..	170	40	35	2; 3.	11	11	116	230	243	72	0	—	45	20	3 03	65	29	3	00 45
Hebrides Stornoway ..	120	40	36	26; 27	5	13	112	209	269	77	0	170	48	21	27 16	68	30	27	16 10
1 SCOTLAND, E.																			
Aberdeen Aberdeen ..	120	41	32	—	0	2	3	98	366	205	0	310	27	12	13 01	49	22	12	22 15
Angus Bell Rock Lighthouse	130	—	126	1; 2; 13.	20	16	177	287	156	32	0	150	45	20	2 23	57	25	13	05 10
Edinburgh Edinburgh ..	485	39	23	—	0	3	8	167	370	127	0	190	33	15	27 15	50	22	27	14 10
6a SCOTLAND, W.																			
Argyll Tiree ..	75	50	42	—	0	3	12	173	258	215	14	230	30	13	27 15	46	21	27	14 50
Renfrew Paisley ..	188	81	31	—	0	0	0	35	360	277	0	190	18	8	12 17	45	20	27	12 10
Renfrew (Abbotsinch)	65	46	34	—	0	1	1	53	323	295	0	310	26	12	12 17	49	22	12	16 25
Dumfries Eskdalemuir ..	825	50	35	—	0	2	4	124	235	309	0	280	28	13	12 13	49	22	12	13 05
6b ISLE OF MAN																			
Isle of Man Point of Ayre ..	70	40	35	—	0	7	35	307	231	92	7	180	33	15	3 01	46	21	3	23 30
2 ENGLAND, N.E.																			
Durham South Shields ..	73	57	44	—	0	7	15	251	251	155	0	70	29	13	21 06	45	20	10	17 25
Durham ..	389	53	33	—	0	1	1	207	289	157	18	280	25	11	12 06	44	20	12	05 05
Yorks., N.R. Catterick ..	220	45	33	—	0	0	0	45	329	298	0	270	23	10	11 23	42	19	11	22 50
Yorks., E.R. Spurn Head ..	64	42	34	—	0	5	23	337	269	43	0	310	32	14	13 12	43	19	10	21 50
Lincoln Cranwell ..	284	43	33	—	0	2	5	206	393	54	14	(330)	28	13	13 13	44	20	13	12 00
3 ENGLAND, E.																			
Norfolk Gorleston ..	52	42	34	—	0	3	21	312	281	42	16	40	29	13	5 11	43	19	5	10 10
Suffolk Mildenhall ..	96	83	58	—	0	1	2	257	373	40	0	250	27	12	12 15	47	21	13	13 40
Bedford Cardington ..	285	150	135	—	0	1	1	162	391	118	0	200	25	11	3 10	35	16	17	18 50
Essex Shoeburyness ..	115	104	89	—	0	3	7	385	261	19	0	190	27	12	3 13	35	16	17	12 35
4 MIDLAND COUNTIES																			
Leicester Leicester ..	385	60	33	—	0	0	0	144	426	102	0	320	23	10	13 10	46	21	13	02 55
Warwick Birmingham ..	643	118	73	—	0	0	0	144	426	102	0	320	23	10	13 10	46	21	13	02 55
5 ENGLAND, S.E.																			
London Southgate ..	222	30	—	—	0	0	0	2	371	299	0	—	13	5	12 12	29	13	4	22 50
Surrey Kew Observatory ..	92	75	50	—	0	0	0	206	434	32	0	50	19	9	17 20	39	18	17	15 00
Croydon ..	313	105	70	—	0	0	0	206	434	32	0	50	19	9	17 20	39	18	17	15 00
Kent Lympne ..	418	76	48	—	0	5	15	243	369	45	0	30	29	13	24 15	47	21	24	14 20
Manston ..	199	46	40	—	0	4	29	362	224	40	17	10	30	13	5 20	46	21	13	02 55
Hants Calshot ..	58	50	42	—	0	0	0	259	370	43	0	280	22	10	12 20	41	18	12	20 10
Wiltshire Boscombe Down ..	462	45	33	—	0	0	0	259	370	43	0	280	22	10	12 20	41	18	12	20 10
Larkhill ..	491	51	36	—	0	4	15	278	296	56	27	40	28	13	25 17	43	19	25	12 40
7a ENGLAND, N.W.																			
Lancashire Fleetwood ..	112	50	31	—	0	3	22	137	389	124	0	320	35	16	13 05	46	21	13	04 10
Manchester (Barton)	153	83	80	—	0	4	14	193	342	123	0	270	29	13	12 12	45	20	12	21 00
Southport ..	60	42	33	—	0	3	9	158	389	118	0	280	29	13	12 15	44	20	12	19 40
Cheshire Bidston Obs'y. ..	262	64	39	—	0	4	43	256	298	75	0	280	34	15	12 16	54	24	12	15 25
Manchester (Ringway) ..	315	80	40	—	0	3	5	174	270	223	0	260	26	12	10 16	41	18	12	21 15
7b NORTH WALES																			
Anglesey Holyhead ..	68	43	35	—	0	12	51	284	226	49	62	320	31	13	13 10	48	21	13	13 55
Flint Sealand ..	81	65	42	—	0	4	5	76	330	261	0	330	25	11	13 12	46	21	13	11 25
8a SOUTH WALES																			
Pembroke St. Ann's head ..	212	70	—	—	0	9	49	357	221	45	0	(270)	30	13	16 13	49	22	13	14 30
8b ENGLAND, S.W.																			
Devon Plymouth ..	185	88	65	—	0	1	10	290	297	57	18	—	31	13	28 12	37	17	29	19 45
Cornwall The Lizard ..	315	75	60	—	0	11	103	314	196	30	29	110	32	14	19 20	48	21	21	07 35
Pendennis Castle ..	265	65	42	—	0	13	96	305	192	57	22	90	34	15	21 08	43	19	21	07 55
NORTHERN IRELAND																			
Antrim Aldergrove ..	328	60	42	—	0	0	0	33	341	298	0	(300)	17	8	12 10	35	16	12	17 00
SCILLY ISLES																			
St. Mary's ..	230	65	57	—	0	10	56	375	182	54	5	180	30	13	28 12	45	20	28	15 35

MONTHLY WEATHER CHARTS FEBRUARY 1942

I. WIND AND MEAN PRESSURE. 7 A.M.



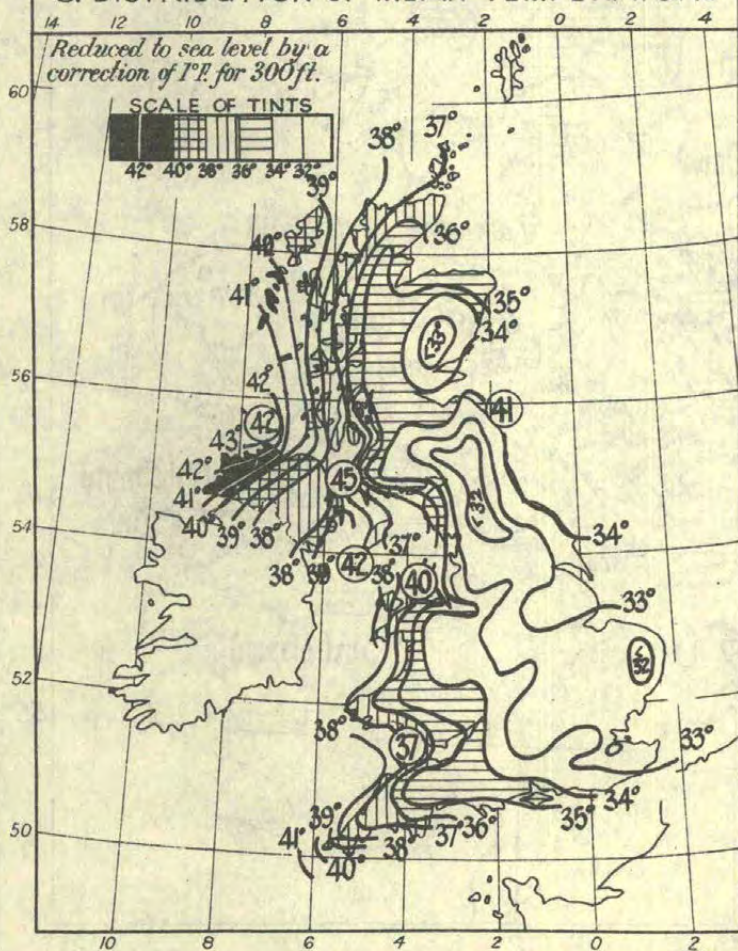
WIND ROSES. The arrows fly with the wind¹⁰ and indicate frequency and force, thus:

2. MOVEMENTS OF DEPRESSIONS.



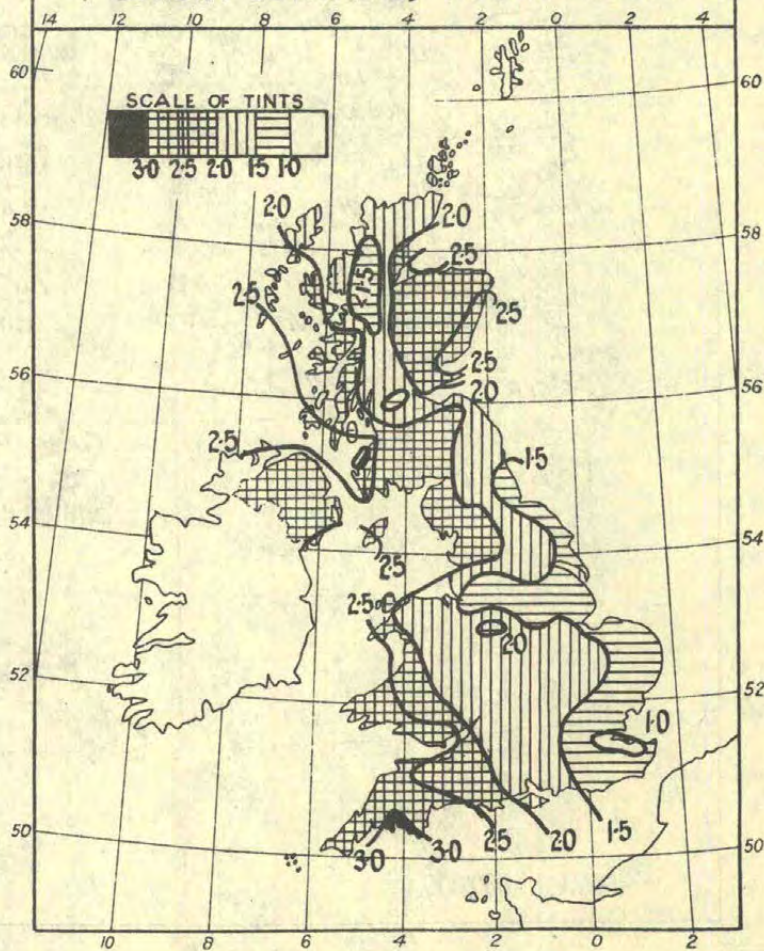
Positions of centres are shewn thus:- \bigcirc at 1h; \bullet at 7h; \square at 13h; \times at 18h.

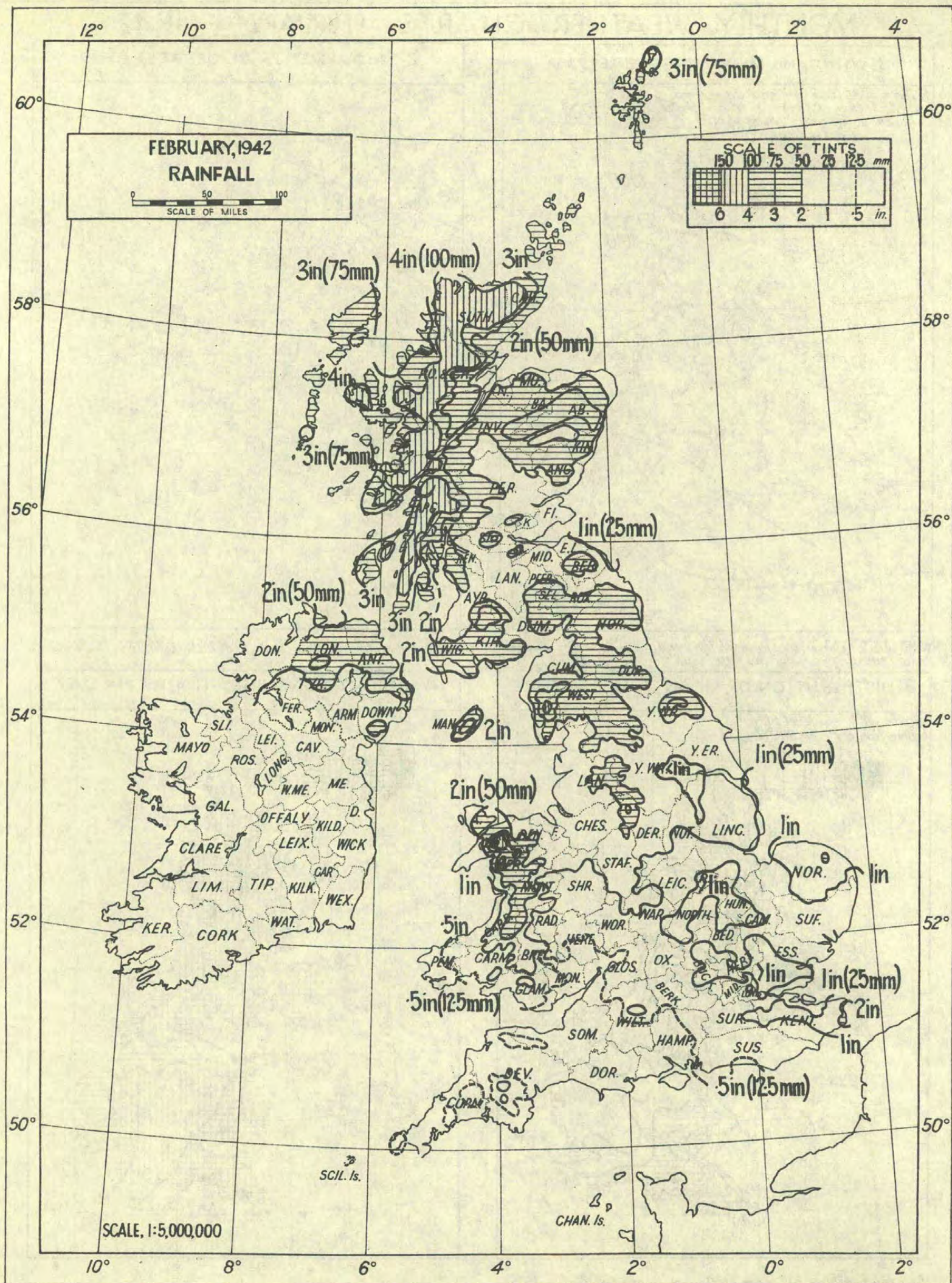
3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4 BRIGHT SUNSHINE, HOURS PER DAY





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

TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

TABLE III.—Summary of Observations of Temperature, Rainfall, Sunshine, &c.																														
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	Per-centage of Average	Most in a day	Precip'n	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage					
					A Max.	B Min.	Mean of A and B		Maximum	Date	Minimum	Date	Amount	Date	in (0.2 mm) or more	in (0.1 mm) or more	Snow	Snow lying	Hail					Daily Mean	of Average	of Possible				
					°F	°F	°F	°F	°F		°F		°F	°F	mm	in	%	in							hr	%	%			
0 SCOTLAND, N.																														
Shetland	Baltasound ..	9 9 9	31	40.4	31.6	36.0	-3.1	49	15	25	10,11	36.5	-	82	3.24	93	.51	27	26	20	13	12	1	0	-	4	1.48	111	17	
	Lerwick Obsy. ¶	9 9 9	269	38.9	31.3	35.1	-3.1	44	15	23	10,11	-	-	52	2.06	65	.44	27	20	14	12	7	4	0	0	18	6	1.70	113	19
	Sumburgh (Links)	18-7 7	19	40.4	34.3	37.3	-	45	11,15,17	24	25	-	-	65	2.55	-	.42	27	22	19	13	10	3	0	0	12	3	1.70	113	19
Orkney	Kirkwall ..	¶ 9 9 9	113	40.4	33.5	36.9	-2.3	46	15	28	11	37.2	-	71	2.79	89	.46	11	17	14	9	6	2	0	0	11	1	1.78	85	19
Hebrides	Skallary ..	101010	30	44.7	37.1	40.9	-	49	2,3,9	31	5	-	-	81	3.19	-	.75	2	20	13	3	0	1	0	-	0	-	-	-	-
	Stornoway ¶	18-7 7	79	42.7	35.4	39.1	-1.8	48	3	29	13,19	-	-	84	3.29	78	.92	26	16	12	5	2	4	0	0	-	1	1.68	87	18
Skye	Duntuilim ..	9 9 9	294	42.6	34.4	38.5	-	47	2	30	5,20,24	-	-	90	3.54	-	.90	26	13	11	5	4	4	0	1	17	0	2.15	-	23
Caithness	Wick ..	18-7 7	115	40.0	32.7	36.3	-3.3	46	7,15	26	5	-	-	58	2.29	101	.42	11	22	14	13	10	4	0	3	10	1	-	-	-
Sutherland	Cape Wrath ..	18-7 7	367	39.0	34.2	36.6	-	44	3,7,12	28	10,13	-	-	107	4.19	-	.79	2	20	14	9	-	2	0	0	9	0	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	41.5	29.7	35.6	-3.5	47	3	23	25	-	-	94	3.70	51	.94	2	17	13	15	6	0	0	1	-	0	-	-	-
	Fortrose ..	9 9 9	69	41.2	31.0	36.1	-3.6	47	8	26	11,22	-	-	35	1.39	-	.43	2	15	7	13	5	0	0	1	-	0	2.40	98	26
Inverness	Dalwhinnie ..	18-7 7	1176	36.0	25.3	30.7	-	41	12	11	5,23	-	-	31	1.23	-	.27	27	13	9	12	18	1	0	2	26	0	2.29	-	243
	Ft. Augustus ¶	9 9 9	68	40.9	27.5	34.2	-4.7	46	8,11,12	18	20	-	-	61	2.40	57	.56	27	14	10	7	3	0	0	0	-	0	2.38	138	253
	Ft. William ..	9 9 9	34	41.5	29.4	35.5	-4.0	47	9,11	20	20,23	35.6	40.7	70	2.74	37	.83	2	14	8	7	4	2	0	0	15	0	2.24	129	243
	Inverness ¶	9 9 9	242	39.9	29.4	34.7	-4.7	45	8,9,11	23	11,25	-	-	49	1.94	86	.55	9	14	11	13	5	1	0	0	15	0	2.39	94	26
	Onich ..	9 9 9	48	42.0	29.3	35.7	-	47	12,16	20	23	-	-	106	4.19	65	1.80	2	14	13	11	8	0	0	0	28	0	2.60	133	283
1 SCOTLAND, E.																														
Nairn	Nairn ..	¶ 9 9 9	20	40.4	30.4	35.4	-3.2	46	9	22	22,25	-	-	43	1.69	94	.41	9	14	7	14	6	1	0	1	18	0	2.64	107	28
Moray	Forres ..	9 9 9	155	41.5	29.1	35.3	-	48	15	19	19	-	-	76	2.99	-	.70	5	12	10	9	9	0	0	0	21	0	2.67	-	29
	Gordon Castle ..	2121 9	104	40.7	29.9	35.3	-4.0	49	15	26	5,19,22	-	-	71	2.78	145	1.11	3	13	12	6	5	0	0	-	-	-	2.38	94	263
Banff	Banff ..	9 9 9	130	39.0	31.3	35.1	-4.0	44	15	26	25	-	-	43	1.69	102	.33	3	16	12	12	8	1	0	0	22	1	2.31	94	253
Aberdeen	Aberdeen ¶	242424	79	38.6	30.7	34.7	-4.6	43	10	23	25	34.4	37.7	51	2.00	98	.56	3	15	12	13	15	1	0	5	18	0	2.52	102	27
		18-7 -	-	38.3	30.9	34.6	-5.1																							
	Balmoral ..	9 9 9	927	36.4	23.2	29.8	-5.5	43	8,11	9	25	-	-	37	1.47	57	.47	2	13	8	9	28	0	0	-	27	0	-	-	-
	Braemar ..	2121 9	1111	36.5	21.9	29.2	-5.8	42	8,12	5	25	-	-	36	1.43	50	.39	2	15	11	10	28	0	0	0	26	-	2.35	-	253
	Craibstone ..	9 9 9	300	37.1	28.4	32.7	-5.3	48	15	19	25	34.5	37.7	83	3.26	146	1.06	1	16	12	10	28	5	0	3	21	0	2.90	106	31
	Tarland ..	9 9 9	540	37.0	24.4	30.7	-	42	12,15,26	13	25	-	-	39	1.53	-	.39	2	14	10	12	28	0	0	-	0	-	-	-	-
Kincairdine	Stonehaven ..	9 9 9	12	40.5	26.3	33.4	-	45	15	18	25	-	-	50	1.98	-	.54	2	20	12	7	6	0	0	0	-	0	2.84	-	30
Angus	Arbroath ..	9 9 9	93	39.3	29.1	34.2	-5.1	44	15	21	25	-	-	33	1.31	76	.52	3	10	7	9	21	5	0	0	20	0	2.88	99	31
	Carnoustie ..	9 9 9	39	39.5	29.7	34.6	-4.3	45	12	24	25	-	-	36	1.41	77	.47	2	12	11	7	12	0	0	-	-	-	2.85	119	303
	Dundee ..	¶ 9 9 9	147	38.6	28.1	33.3	-5.3	44	12,16	23	11,25,26	33.1	-	47	1.83	99	.74	2	15	10	11	28	0	0	-	28	0	2.77	106	29
	Kettins ..	9 9 9	218	37.5	24.9	31.2	-6.3	44	11,12	14	23	33.2	-	36	1.41	60	.67	2	11	7	9	28	0	0	2	23	0	-	-	-
	Montrose ..	9 9 9	16	39.0	29.5	34.3	-4.6	44	28	23	25	-	-	25	.97	-	.31	1	12	7	10	9	0	0	0	-	0	2.90	113	31
Perth	Perth ..	9 9 9	76	39.0	27.0	33.0	-5.5	46	12	17	20	-	-	31	1.20	53	.56	2	11	9	12	19	0	0	-	-	0	1.91	83	20
Fife	Cupar ..	9 9 9	210	38.2	28.0	33.1	-5.6	44	12	21	23	-	-	42	1.67	-	.68	2	16	11	6	28	1	0	-	0	-	-	-	-
	Dunfermline ..	9 9 9	237	38.3	28.8	33.5	-	45	12	20	23	35.5	39.2	27	1.06	-	.36	2	11	7	11	16	1	0	9	24	0	1.97	-	21
	Kirkcaldy ..	9 9 9	137	38.5	26.4	32.5	-7.4	44	14	18	23	-	-	35	1.38	-	.50	2	11	9	5	17	0	0	-	-	0	1.75	-	18
	Leuchars ..	18-7 7	36	38.6	30.7	34.7	-4.5	46	12	25	23,25,26	-	-	37	1.44	82	.26	2	14	11	8	8	3	0	1	20	0	2.48	92	26
	Lundin Links ..	9 9 9	40	40.2	28.9	34.5	-	46	12	23	20	-	-	32	1.26	-	.58	2	11	9	5	14	0	0	0	-	0	2.19	-	23
	St. Andrews ..	9 9 9	13	38.7	28.3	33.5	-5.6	46	12	20	25	34.2	39.0	49	1.92	104	.72	2	12	9	15	14	1	0	0	26	0	2.10	83	22
Mid Lothian	Balerno ..	9 9 9	750	36.6	26.7	31.7	-	46	25	15	23	-	-	74	2.91	-	1.46	2	12	8	9	21	0	0	2	26	0	2.35	-	25
	Edinburgh—																													
	Blackford H. ¶	2121 9	441	37.6	29.3	33.5	-5.6	46	12	22	23	-	-	26	1.03	62	.25	10	11	8	11	23	0	0	9	19	1	2.08	78	22
	Botanic Garden	9 9 9	74	39.5	27.6	33.5	-	48	12	17	23	-	-	30																

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level ft	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				Means of				Absolute Maximum and Minimum						Total Fall	Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	mm	in	%	in	(0.2 mm or more)	(0.2 mm or more)	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	mm	in	%	in										hr	%	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
6a SCOTLAND, W.		G.M.T.	ft	"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	"F"	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

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

¶§, § See Notes on Tables in Annual Summary.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	1 ft									4 ft	Amount	Date	0-1 in (0-2 mm) or more	0-1 in (1-0 mm) or more	Snow	Daily Mean	of Average	of Possible
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%				
3 ENGLAND, E.																														
Norfolk	Cromer ..	999	178	35.8	28.4	32.1	-7.7	42	5,10,12	23	21,22	-	-	29	1.13	75	24	3	14	8	18	18	7	0	1	28	0	0.87	32	9
	Hunstanton ..	999	105	36.6	29.0	32.8	-6.7	45	28	25	21,22	-	-	27	1.06	-	52	2	11	6	10	26	0	0	0	-	-	1.39	59	14
	Norwich ..	999	110	35.3	27.6	31.5	-8.0	45	28	22	22	33.0	-	32	1.25	-	46	3	14	9	14	16	0	0	-	28	-	1.26	51	13
	Sproston ..	999	93	35.3	27.8	31.5	-7.6	45	28	22	22	-	-	26	1.01	-	41	3	16	6	14	22	0	0	-	28	-	1.21	48	12.5
	Terrington ..	999	13																											
	Thetford ..	999	99	35.6	26.2	30.9	-	43	10	15	22	33.0	27.1	28	1.11	-	27	2	11	7	18	13	0	0	2	28	-	1.37	-	14
	(Lynford Nursery)																													
Suffolk	Yarmouth ..	18-7 7	5	35.2	29.9	32.5	-7.7	45	28	23	22	35.0	40.5	18	.70	47	30	3	15	6	15	10	5	0	1	24	0	-	-	-
	Bungay (Flix'n) ..	999	79	35.3	27.5	31.4	-7.6	44	28	21	22	-	-	19	.73	-	34	3	7	3	7	10	(9)	0	3	28	-	-	-	-
	Felixstowe Aero.	18-7 7	10	35.5	29.6	32.5	-7.2	42	12,13,15	24	22,23	-	-	16	.63	50	28	3	9	3	19	9	2	0	1	25	0	1.41	47	14
	Ipswich, Belstead Hall ..	999	125	34.6	28.0	31.3	-	44	28	23	22	33.6	37.9	20	.78	-	35	3	7	3	17	15	1	0	0	28	0	1.28	-	13
	Lowestoft ..	999	82	35.3	28.5	31.9	-7.8	45	28	23	22,23	34.5	37.4	25	.96	69	38	3	13	6	15	18	0	0	1	28	0	1.19	42	12
Cambridge	Mildenhall ..	18-7 7	15	35.9	28.6	32.3	-	46	28	20	22	-	-	18	.71	-	43	3	9	4	17	12	0	0	1	26	0	1.63	-	17
	Cambridge (Bot. Gdns.) (Univ. Farm) ..	2121 9	41	36.8	28.2	32.5	-7.2	48	28	20	2,21,22	34.0	38.9	28	1.12	88	38	2	9	4	13	16	4	0	-	23	0	1.48	60	15
Bedford	Dunstable ..	18-7 7	516	34.7	26.6	30.7	-	48	28	15	22	33.7	40.0	14	.54	-	18	1	8	5	16	10	0	0	3	25	0	1.55	-	16
	Luton ..	999	381	35.4	27.4	31.3	-7.3	46	28	17	22	34.7	40.4	19	.76	-	32	1	6	5	-	-	-	0	25	-	1.42	62	14	
	Woburn ..	999	291	35.6	26.9	31.3	-7.5	46	28	15	22	33.1	41.7	20	.79	53	36	1	10	4	12	12	0	0	1	26	-	1.64	69	17
Hertford	Rothamsted ..	999	420	34.6	26.7	30.7	-7.9	43	12	13	22	32.8	-	20	.80	43	43	1	6	5	9	10	1	0	1	25	0	1.39	55	14
	St. Albans ..	999	272	35.6	26.5	31.1	-7.4	46	10	18	22	32.9	-	20	.79	45	45	1	6	4	4	-	0	0	0	25	-	-	-	-
Essex	Clacton-on-S. ..	999	53	35.5	28.5	32.0	-7.6	42	10,12	24	22,23	35.4	39.9	20	.78	58	34	3	9	3	14	14	0	0	0	27	-	1.07	38	11
	Dovercourt ..	999	47	35.1	29.2	32.1	-7.8	42	10,12	24	22	-	-	3	.11	-	04	3	4	1	9	-	0	0	3	28	-	1.43	-	14
	Earls Colne ..	999	160	35.4	27.8	31.6	-7.9	46	28	23	9,22	33.9	38.4	31	1.21	-	38	1	10	4	20	15	0	0	-	27	-	-	-	-
	Halstead ..	999	140	35.5	28.1	31.8	-7.8	46	28	21	9	-	-	30	1.19	-	37	1	8	5	19	11	0	0	-	-	-	-	-	-
	Maldon ..	999	14	35.9	28.5	32.2	-	47	28	21	9	-	-	15	.60	-	33	1	5	2	12	-	0	0	3	-	-	1.09	-	11
	Shoeburyness ..	18-7 7	11	36.2	29.1	32.7	-7.4	44	10,12,28	23	22	-	-	19	.75	61	37	3	8	2	16	9	0	0	3	24	0	1.14	41	11
	Walton-on-Naze ..	999	35	36.6	29.0	32.8	-6.9	42	11,12,13	24	22,23	-	-	18	.70	-	26	3	6	3	-	-	-	3	26	-	1.23	46	12	
	Writtle ..	999	105	36.1	28.3	32.2	-	46	11	21	9	-	-	27	1.08	-	42	1	7	3	9	0	0	0	-	26	-	-	-	-
	4 MIDLAND COUNTIES																													
	Yorkshire W. Riding	Askham Bryan ..	999	90	37.0	26.1	31.5	-	44	28	11	8	-	-	38	1.51	-	55	3	12	7	12	15	0	0	1	24	-	1.71	-	12
Bingley ..		999	610	35.2	26.2	30.7	-	43	28	16	8	-	-	30	1.17	-	39	2	15	6	5	(17)	1	0	4	27	-	-	-	-
Bradford ..		999	439	35.9	25.9	30.9	-7.6	44	28	16	8	33.6	38.5	42	1.65	66	87	2	9	7	-	-	-	8	-	-	1.24	75	12	
Doncaster ..		999	25	37.5	27.2	32.3	-	46	11,12	17	8	-	-	30	1.18	-	41	3	9	4	8	10	1	0	5	26	-	1.38	-	14
Harrogate ..		999	478	35.9	26.5	31.2	-6.7	44	28	20	8,20	35.5	38.3	48	1.87	86	97	2	13	7	6	19	7	0	5	27	0	1.71	77	17
Huddersfield ..		2121 9	325	36.9	25.4	31.1	-8.0	46	28	11	8	33.6	38.7	25	.97	42	42	2	13	3	6	13	0	-	9	27	-	0.83	53	9
(Oakes) ..		999	761	34.9	24.9	29.9	-8.0	43	28	18	8	33.4	38.0	32	1.26	48	37	1	15	7	13	19	0	0	3	26	1	-	-	-
Ilkley ..		999	315	36.7	24.7	30.7	-7.4	45	15,28	15	8	-	-	42	1.66	-	58	2	19	8	11	23	0	0	5	28	-	2.05	114	12
Meltham ..		999	585	36.4	25.0	30.7	-	45	28	13	20	34.6	-	35	1.37	-	39	27	10	10	-	-	-	-	27	-	-	-	-	-
Pontefract ..		999	255	36.6	27.3	31.9	-7.1	45	28	19	8	-	-	16	.63	42	27	1	8	3	-	-	-	7	28	-	1.89	-	19	
Rotherham ..		7 7 7	284	36.8	26.0	31.4	-	45	3,12,28	15	9	33.3	-	27	1.05	-	41	1	12	3	16	13	0	0	3	24	-	1.62	-	17
Sheffield ..		999	428	36.5	27.7	32.1	-7.6	46	3	21	27	33.6	37.9	31	1.22	51	44	2	14	5	14	17	0	0	-	27	-	0.87	43	11
Wakefield ..		999	124	37.9	27.1	32.5	-6.8	47	28	17	8	33.7	39.3	37	1.44	84	51	2	15	6	17	14	3	0	6	26	-	1.13	96	12.5
Derby	Belper (School) ..	999	198																											
	Buxton ..	999	1007	34.1	23.9	29.0	-7.5	42	3	14	27	33.1	36.8	64	2.53	67	85	3	15	10	10	28	0	0	4	28	0	1.40	67	14.5
Nottingham	Attenborough ..	999	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mansfield ..	999	357	36.5	27.2	31.9	-6.5	44	28	19	8	-	-	25	.99	51	40	1	10	4	12	28	0	0	2	-	-	-	-	-
	Nottingham ..	999	192	36.6	28.4	32.5	-6.8	47	28	23	8,27	33.1	36.0	23	.92	60	39	2	10	3	-	-	-	15	26	-	1.55	80	15	
	Sutton Bonington ..	999	157	34.7	26.8	30.7	-8.2	43	28	19	27	33.7	-	25	1.00	72	41	1	12	6	14	15	0	0	-	27	-	1.75	87	18
Leicester	Leicester ..	999	325	37.0	26.1	31.5	-	44	10,12	20	16	34.5	38.5	20	.77	-	30	1,5	6	4	5	1	0	0	0	26	-	1.72	-	17
Northampton	Oundle ..	999	147																											
	Peterborough ..	999	46																											

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Means of		Difference from Average	Absolute Maximum and Minimum				Total Fall			Per cent- age of Average	Moist in a day		Precip'n		Number of days						Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				A	B		Maximum	Date	Minimum	Date	mm	in	Amount		Date	0.1 in (2.5 mm) or more	0.1 in (2.5 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Max.	Min.	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

TABLE 111 (continued)—Summary of Observations of Temperature, Rainfall, and Sunshine																														
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	Per centage of Average			Most in a day	Precip'n		Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount		Date	-0.1in (6-2mm) or more						-0.01in (1-0 mm) or more	Daily Mean	of Average	of Possible					
				°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%				
5 ENGLAND, S.E.—cont.																														
I. of Wight	Newport ..	9 9 9	48	39.0	27.9	33.5	-7.4	50	3	20	15, 23	-	-	8	.31	-	.24	1	5	2	5	1	0	0	0	24	-	-	-	-
	Ryde ..	9 9 9	13	38.1	30.1	34.1	-7.5	48	3, 12	24	22	-	-	9	.35	-	.28	1	4	1	3	1	0	0	0	-	0	1.81	64	18
	St. Catherine's Point	18-7 7	150	37.8	30.0	33.9	-	48	12	21	22	-	-	13	.52	-	.38	1	4	3	6	-	0	0	0	-	0	-	-	-
	Sandown ..	9 9 9	13	39.0	30.3	34.7	-7.4	50	3	23	22, 23	-	-	5	.21	-	.17	1	4	1	2	0	0	0	0	-	1.69	56	17	
	Totland Bay ..	9 9 9	140	38.5	29.3	33.9	-7.4	47	12	22	22	-	-	8	.31	15	.24	1	4	1	5	0	0	0	0	24	0	1.99	66	20
	Ventnor(Hospital)	9 9 9	60	39.5	30.7	35.1	-7.3	48	3, 12	23	22	-	-	8	.31	15	.26	1	4	1	7	2	0	0	-	-	0	1.75	58	18
Wiltshire	Amesbury (Roscobme Down)	18-7 7	417																											
	Larkhill ..	9 9 9	440	37.1	25.4	31.3	-7.8	47	3	12	27	-	-	9	.34	18	.23	1	4	3	8	9	0	0	1	25	0	-	-	-
	Marlboro' ¶	9 9 9	424	38.0	24.6	31.3	-7.6	46	3, 4, 11	13	27	35.1	40.6	22	.87	36	.39	1	9	5	2	8	0	0	1	24	0	1.85	84	19
	Porton ..	9 9 9	363	37.3	25.7	31.5	-7.4	47	3	16	27	34.2	-	14	.54	27	.41	1	5	3	10	7	0	0	1	24	0	1.90	72	19
7a ENGLAND, N.W.																														
Cumberland	Keswick ..	9 9 9	254	40.5	26.0	33.3	-6.4	48	10	19	20	34.3	40.5	60	2.36	48	.81	28	12	7	8	2	0	0	3	26	0	2.34	125	24
	Newton Rigg ¶	2121 9	560	37.1	24.8	30.9	-7.0	43	12	17	20	-	-	56	2.21	72	.83	2	8	7	10	3	0	0	0	23	0	1.71	78	18
Westmorland	Ambleside ..	9 9 9	145	38.9	23.6	31.3	-	46	12	14	20	-	-	54	2.11	-	.50	1	10	9	8	28	0	0	0	-	2.29	-	-	24
	Appleby ..	9 9 9	440	36.3	24.1	30.2	-6.9	42	12	13	8	-	-	58	2.30	78	.86	2	12	6			0	0	-	-	-	-	-	-
Lancashire	Blackpool ..	9 9 9	65	38.9	27.2	33.1	-6.8	46	3	19	20	34.9	39.5	38	1.48	66	.68	2	11	5	10	6	0	0	8	25	-	2.16	88	22
	Bolton ..	9 9 9	342	37.3	25.3	31.3	-7.8	45	28	15	8	33.9	38.5	57	2.26	75	.99	2	13	8	5	28	0	0	-	26	-	1.26	106	13
	Burnley ..	9 9 9	458	36.8	24.7	30.7	-7.8	44	28	14	8	33.9	38.8	37	1.47	-	.37	2	14	11	9	15	0	0	10	28	-	-	-	-
	Darwen ..	2121 9	724	32.7	23.5	28.1	-9.7	42	3	18	8, 20	32.8	37.1	51.6	2.03	55	.91	3	11	10	11	0	0	0	27	27	-	52.3	107	57.8
	Fleetwood ..	9 9 9	21	38.8	28.8	33.8	-	45	9, 26	21	20	-	-	40	1.57	-	.49	2	8	8	4	4	0	0	1	28	0	2.13	102	22
	Hutton ..	9 9 9	82	38.1	26.8	32.5	-7.0	46	28	18	26	34.0	39.4	42	1.67	-	.45	1, 3	6	5	7	10	1	0	-	23	0	1.43	75	15
	Leyland ..	9 9 9	125	38.3	25.9	32.1	-7.4	45	3, 12, 28	18	8, 20, 26	-	-	34	1.34	56	.51	2	9	4	9	6	0	0	(24)	27	-	-	-	-
	Manchester (Burnage) ..	9 9 9	147	40.0	27.0	33.5	-	47	28	17	20	-	-	32	1.27	-	.45	3	8	7	9	10	0	0	2	26	-	1.50	-	15
	(Whitworth Pk.) ..	2121 9	125	38.2	28.2	33.2	-7.1	48	28	20	20, 27	33.9	38.4	40	1.57	82	.71	2	10	8	5	13	1	0	15	23	0	1.48	113	15
	Morecambe ..	9 9 9	23	38.5	27.3	32.9	-6.2	44	10, 12, 28	21	20	-	-	40	1.59	63	.45	2	8	6	5	0	0	0	4	-	0	2.39	110	25
	Nelson ..	9 9 9	540	36.2	25.1	30.7	-	47	10	16	8	32.8	38.8	38	1.48	-	.49	2	13	8	-	-	-	-	11	27	-	2.04	-	24
	Southport (Bedford Rd.Pk.) ¶	9 9 9	35	38.8	27.7	33.3	-6.8	48	3	18	20	34.5	38.9	30	1.20	57	.72	2	9	3	9	5	4	0	6	21	0	1.88	79	19
Stonyhurst ¶	9 9 9	377	36.8	26.1	31.5	-7.3	44	12, 28	18	8	-	-	48	1.90	57	.78	2	13	7	10	11	0	0	2	23	0	2.35	122	24	
Cheshire	Bidston Obs'y ..	9 9 9	198	38.5	29.2	33.9	-6.4	47	3, 28	23	20	-	-	28	1.09	65	.55	2	10	6	-	-	-	11	17	0	1.49	64	15	
	Hoylake ..	9 9 9	23	40.0	29.0	34.5	-6.3	48	28	19	26	-	-	30	1.20	71	.55	2	12	6	7	6	0	0	-	22	-	1.62	66	17
	Macclesfield ..	9 9 9	500	36.1	25.8	30.9	-7.3	44	28	18	8	-	-	42	1.66	77	.52	2	15	8	12	11	1	0	6	-	-	-	-	-
	Manchester (Ringway) ..	18-7 7	235	37.3	27.3	32.3	-	45	10, 12, 28	19	20, 27	-	-	35	1.37	-	.35	3	14	8	12	13	0	0	5	25	0	-	-	-
Warburton ..	9 9 9	68	38.0	25.4	31.7	-	46	28	11	20	-	-	38	1.49	-	.51	2	12	8	9	8	0	0	9	27	-	1.26	-	13	
	West Kirby ..	9 9 9	25	39.0	28.4	33.7	-6.2	47	28	20	26	-	-	38	1.51	90	.55	2	15	6	8	2	1	0	1	25	-	1.74	72	18
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	40.4	27.8	34.1	-7.0	52	3	20	27	-	-	32	1.26	-	.61	1	8	4	5	0	0	0	1	-	-	-	-	-
	Prestatyn ..	9 9 9	18	42.1	30.3	36.2	-	48	28	22	26	-	-	18	.69	-	.15	1	8	8	3	0	0	0	0	-	-	1.65	-	17
	Rhyl ..	9 9 9	31	40.7	28.8	34.7	-6.5	49	3	20	26	-	-	29	1.13	71	.29	2	9	8	5	0	0	0	1	21	0	1.75	65	18
	Sealand .. ¶	18-7 7	16	39.1	29.4	34.3	-6.4	52	3	21	8, 26, 27	36.8	41.2	37	1.44	94	.57	1	10	7	11	5	1	0	5	21	0	1.42	64	15
Anglesey	Holyhead ¶	8 8 8	26	42.7	33.1	37.9	-4.8	52	4	22	19	-	-	27	1.06	43	.37	27	11	3	-	-	-	-	18	0	2.32	87	24	
	Holyhead (Valley)	18-7 7	32	42.7	33.1	37.5	-	51	3	23	8	-	-	27	1.05	-	.34	27	10	5	4	0	1	0	1	17	0	-	-	-
Denbigh	Colwyn Bay ..	9 9 9	118	41.1	31.3	36.2	-5.3	50	3	20	20	-	-	28	1.09	51	.36	3	9	6	3	1	0	0	1	-	-	1.76	66	18
Carnarvon	Aber ..	9 9 9	60																											
	Llandudno ..	9 9 9	13	41.4	31.5	36.5	-5.6	49	3, 11, 28	23	20, 26	-	-	30	1.18	61	.34	2	11	4	5	3	0	0	0	19	0	1.97	76	20
Merioneth	Bala ..	9 9 9	535	38.9	24.7	31.8	-	50	3	12	26, 27	-	-	38	1.48	-	.50	2	7	6	5	1	0	0	0	-	0	-	-	-
Montgomery	Lake Vyrnwy ..	9 9 9	750	39.0	25.0	32.0	-	49	3	16	27	-	-	45	1.76	-	.55	27	9	6	6	4	1	0	3	23	-	-	-	-
	Welshpool ..	9 9 9	254	40.8	26.9	33.9	-5.8	51	27	16	20, 27	-	-	18	.69	33	.43	1	4	4	0	0	0	0	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberporth ..	18-7 7	376	39.5	30.9	35.2	-	49	3, 4	22	8	-	-	14	.54	-	.13	1	11	6	4	0	0	0	0	20	0	2.87	-	30
	Aberystwyth ..	9 9 9	12	40.8	30.1	35.5	-6.0	49	28	22	26	-	-	19	.76	-	.28	1	9	5	0	0	0	0	0	-	-	2.46	91	25
	„ Llety- evan-ben	9 9 9	930	38.1	26.7	32.4	-	45	1, 3	19	8	-	-	37	1.45	-	.43	1, 2	12	9	0	-	0	0	-	24	-	2.46	-	25
	„ P.B.S.†	9 9 9	452	40.8	28.2	34.5	-5.8	46	1, 3, 28	21	8	-	-	22	.86	-	.28	2	12	7	0	0	0	0	1	23	0	2.35	87	24
	Ciliau Aeron ..	9 9 9	252	40.9	26.5	33.7	-	51	3	14	26	-	-	17	.65	-	.25	1	10	5	1	0	1	0	1	-	0	2.74	-	28
Pembroke	Haverfordwest ..	2121 9	233	42.0	29.7	35.9	-5.6	51	1	17	26, 27	-	-	10	.39	-	.21	2	11	3	1	0	1	0	2	-	-	2.77	101	27
	St. Ann's Hd. ¶	18-7 7	142	41.8	31.7	36.7	-6.2	52	3	23	22	-	-	7	.28	10	.22	2	3	2	1	0	0	0	0	-	0	2.42	92	25
	Tenby ..	9 9 9	64	42.0	32.1	37.1	-4.6	51	1, 2, 3	23	8	-	-	10	.40	-	.23	2	6	3	0	0	0	0	0	-	-	2.58	94	26
Radnor	Rhayader ¶	9 9 9	757	38.0	24.1	31.1	-6.8	48	1, 3	11	27	-	-	18	.71	17	.17	2	13	7	7	0	0	0	1	24	0	1.83	85	19

15. ⁸ See Notes on Tables in Annual Summary.

† Plant Breeding Station.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

FEBRUARY, 1942

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						Total Fall	Per cent- age of Average	Most in a day	Precip'n 0-1/16 (0-2mm) or more	0-1/16 (1-0mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible		
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date																			
				Max.	Min.	Rain	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in										hr	%
8a SOUTH WALES—contd.																														
Brecknock	Cantref ..	9 9 9	1080	36.3	25.6	30.9	-	46	3	16	27	-	-	25	.98	-	.28	1	12	6	3	4	0	0	1	-	3.15	-	32	
	Crickhowell ..	9 9 9	230	40.3	27.3	33.8	-	52	3	16	27	-	-	9	.36	-	.13	2	7	4	9	0	0	0	23	-	-	-	-	
Glamorgan	Cardiff ..	2121 9	203	40.2	29.0	34.6	-5.9	51	1	20	22,27	36.3	42.3	9	.35	12	.21	2	6	3	0	0	0	2	23	0	2.62	99	25	
	Swansea ..	9 9 9	33	41.7	30.7	36.2	-5.7	51	1	23	22,27	37.3	47.2	12	.48	-	.16	2	7	4	0	0	0	1	22	-	2.61	106	26	
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	40.0	29.1	34.5	-6.0	50	1	20	22	35.3	40.0	8	.32	-	.18	2	7	2	-	-	-	3	-	2.52	-	25		
	Usk ..	9 9 9	70	40.0	26.7	33.3	-6.3	52	1,2	13	27	36.7	-	10	.39	-	.17	2	6	5	4	1	0	0	10	25	0	1.87	84	19
Somerset	Bath ..	9 9 9	67	38.5	27.6	33.1	-7.5	50	28	16	27	35.7	41.1	8	.33	15	.14	1	8	3	4	3	0	0	5	-	2.03	75	20	
	Bristol (Airport) ..	18-7 7	209	38.9	28.2	33.5	-	49	2,28	15	27	-	-	7	.28	-	.11	2	8	2	13	3	0	0	4	22	0	1.81	-	18
	Cannington ..	9 9 9	95	40.2	29.5	34.9	-	52	3	18	27	-	-	8	.31	-	.15	3	6	3	2	1	0	0	23	0	2.25	-	23	
	Long Ashton ..	9 9 9	162	39.7	27.7	33.7	-7.0	50	1	16	27	-	-	21	.81	34	.06	2	6	1	13	0	1	0	2	24	0	2.00	79	20
	Taunton ..	9 9 9	230																											
	Weston-super-Mare	9 9 9	28	39.6	29.5	34.5	-	48	2	18	27	-	-	5	.19	10	.07	2	6	3	3	0	0	0	3	22	-	2.10	82	21
Dorset	Holton Heath ..	9 9 9	64	39.8	28.1	33.9	-7.2	51	3	19	22,27	35.5	40.1	5	.20	-	.09	1	5	1	3	0	0	0	1	24	0	2.34	84	24
	Poole ..	9 9 9	18	40.5	27.0	33.7	-	51	3	19	22	-	-	8	.31	-	.28	1	3	1	0	0	0	0	2	-	2.16	-	22	
	Portland Bill ..	18-7 7	32	39.9	31.7	35.8	-7.1	49	2	23	24	-	-	3	.12	6	.06	1	3	2	0	0	0	0	0	-	-	-	-	
	Shaftesbury ..	9 9 9	722	37.7	24.7	31.2	-	46	3	16	20	-	-	11	.43	-	.23	1	4	3	7	-	0	0	-	-	-	-	-	
	Swanage ..	9 9 9	14	40.1	30.4	35.3	-	51	1	23	22,27	-	43.5	6	.25	-	.15	1	5	2	1	0	0	0	0	20	-	2.05	-	21
	Weymouth ..	9 9 9	16																											
Devon	Barnstaple ..	9 9 9	25	42.5	26.8	34.7	-7.6	54	28	16	27	-	-	6	.24	9	.10	1	5	3	-	-	-	0	22	-	-	-	-	
	Cullompton ..	9 9 9	202	40.6	27.7	34.1	-7.0	52	2,3	15	27	37.9	-	8	.32	11	.14	2	6	3	1	0	0	0	7	23	-	2.51	93	25
	Dawlish ..	9 9 9	17																											
	Exmouth ..	9 9 9	195	40.0	28.8	34.4	-7.8	52	3	20	22,27	-	-	7	.29	-	.09	1	6	4	1	0	0	0	1	-	2.95	110	30	
	Hartland Pt. ..	18-7 7	299	40.1	34.0	37.1	-	48	1,3,4	24	22	-	-	6	.22	-	.06	10,12	7	2	2	0	1	0	0	12	0	2.30	-	23
	Ilfracombe ..	9 9 9	25	42.4	34.0	38.2	-5.0	50	2,3,28	26	22	39.4	45.7	3	.10	4	.05	1	4	1	0	0	0	0	0	15	-	2.62	104	26
	Killerton ..	9 9 9	159	41.6	27.2	34.4	-7.0	51	2	15	27	-	-	7	.28	-	.13	2	3	3	-	-	-	0	25	-	-	-	-	
	Newton Abbot ..	9 9 9	375	41.3	28.7	35.0	-6.5	56	2	17	22	-	-	10	.38	12	.12	2	7	3	1	0	0	0	1	23	-	2.71	96	27
	(Seale-Hayne Coll.)																													
	Plymouth (Hoe) ..	2121 9	117	41.9	32.0	36.9	-6.2	52	2	21	27	37.9	43.2	5	.21	7	.07	1	5	3	3	0	0	0	6	19	0	3.05	105	31
	Plymouth (Mount Batten)	18-7 7	82	41.4	31.8	36.6	-6.7	52	1	21	27	-	-	6	.22	-	.07	1	6	3	3	0	0	0	1	22	0	2.96	99	30
	Princetown ..	9 9 9	1359	36.0	25.7	30.9	-6.2	45	1,2,3	14	22	-	-	39	1.54	20	.56	1	10	8	4	1	0	0	6	24	-	-	-	-
	Seaton ..	9 9 9	43	41.0	29.7	35.3	-	52	1,2,3	18	22,27	-	-	9	.35	-	.12	2	6	5	5	1	0	0	2	22	-	-	-	-
	Sidmouth ..	9 9 9	25	41.7	29.7	35.7	-6.4	52	2	20	22,27	-	-	4	.14	-	.14	2	1	1	0	0	0	0	0	23	-	3.29	-	33
	Tavistock ..	9 9 9	457	40.1	29.6	34.9	-6.6	49	2,3,4	19	22	-	41.9	12	.48	12	.13	1	7	6	2	1	0	0	2	24	0	-	-	-
	Teignmouth ..	9 9 9	20	41.8	30.7	36.3	-6.6	53	3	21	22,27	-	-	6	.22	8	.07	2	4	3	3	1	0	0	0	-	2.57	91	26	
	Torquay ..	9 9 9	27	41.4	31.8	36.6	-6.5	53	3	23	27	-	41.7	6	.23	8	.08	6	4	3	2	0	0	0	0	18	0	2.21	75	22
Totnes ..	9 9 9	100	41.1	27.8	34.5	-	53	3	12	27	38.3	-	7	.29	-	.10	4	6	3	4	1	0	0	-	24	0	-	-	-	
Cornwall	Bude ..	9 9 9	50	41.6	31.7	36.7	-5.7	50	3	20	20	-	-	7	.28	11	.08	6	8	2	1	0	0	0	0	-	2.84	99	29	
	Elbridge ..	9 9 9	200	41.3	30.1	35.7	-	51	1,3	16	27	-	-	12	.48	-	.14	1	11	3	1	1	0	0	0	23	-	3.28	-	33
	Falmouth Obs. ††	9 9 9	167	43.0	33.0	38.0	-5.7	53	1,2	23	22	41.6	44.9	7	.29	8	.13	2	10	2	1	0	0	0	0	19	-	2.61	93	26
	Fowey ..	9 9 9	51	43.9	-	-	-	55	2	-	-	-	-	11	.45	-	.13	2	8	6	1	-	0	0	0	-	2.93	125	29	
	Gulval ..	9 9 9	20	43.3	33.9	38.6	-5.5	54	2	25	22	-	-	9	.34	-	.11	2	13	3	2	0	0	0	0	11	-	2.57	84	26
	The Lizard ..	18-7 7	240	42.6	35.5	39.1	-	52	2	27	22,23	-	-	8	.32	-	.14	2	6	3	0	0	0	0	0	-	2.63	-	26	
	Newquay ..	9 9 9	182	41.5	31.6	36.5	-6.6	50	1	21	22	39.5	44.6	9	.35	12	.12	2	9	3	1	0	1	0	0	-	2.64	92	26	
	Penzance ..	9 9 9	55	43.9	34.6	39.3	-5.8	54	2	25	22,27	-	-	14	.56	17	.12	2	11	5	2	1	0	0	-	2.60	90	26		
	Perranporth ..	9 9 9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tintagel ..	9 9 9	260	40.4	31.7	36.1	-	48	1,3	20	22	-	-	6	.23	-	.06	12	8	3	1	0	0	0	0	-	3.20	-	32	-
NORTHERN IRELAND																														
Londonderry	Castlerock ..	9 9 9		43.8	33.2	38.5	-	50	2,3	25	23,25,26	-	-	51	2.00	-	1.17	2	16	6	-	-	-	0	13	1	-	-	-	-
	Garvagh ..	7 7 7	121	42.5	30.2	36.3	-	50	3	21	24,26	-	-	56	2.19	70	1.14	2	16	11	9	1	0	0	2	17	-	-	-	-
(Moneydig)																														
Antrim	Aldergrove ††	18-7 7	268	41.6																										

TABLE IV—Summary of Observations at fixed hours FEBRUARY, 1942

[illegible]

* Mean of hourly readings. † Pressure at Station Level. ‡ Mean pressure at Station Level is 977.5 mb.
 ‡‡ Mean pressures at Station Level are 990.8 mb. at 7 h., 991.1 mb. at 13 h., 991.1 mb. at 18 h., and
 991.3 mb. at 21 h.

TABLE IV (continued)—Summary of Observations at fixed hours

FEBRUARY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																			
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION														
											0	1 to 3	4 to 6	7 to 9	10	0	Fog			Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			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.					
																	1	2	3				4	5	6														7	8	9		
2 ENGLAND, N.E.—cont.																																											
Lincoln	Cranwell ..	H	1	208	1021.0	-	30.8	0.9	5.3	92	8.6	2	2	0	2	22	0	0	0	3	5	6	14	0	0	0	0	0	0	0	8	19	1	6	5	4	1	2	2	2	5	4	
			7	208	1020.3	-	30.1	0.7	5.3	94	8.9	0	2	1	8	17	0	0	0	2	5	5	13	4	0	0	0	0	0	10	17	1	9	2	4	1	2	1	4	5	4		
			13	208	1020.5	-	33.9	1.8	5.5	83	8.3	1	0	5	9	13	0	0	0	0	1	8	7	8	4	0	0	0	1	11	16	0	6	6	3	1	1	3	3	5	1		
			18	208	1020.5	-	32.2	1.3	5.4	88	7.9	1	5	0	8	14	0	0	1	0	4	6	11	6	0	0	0	0	0	6	20	2	6	9	2	2	1	1	4	1			
3 ENGLAND, E.																																											
Norfolk	Cromer ..	H	9	74	1019.9	-	31.5	0.8	5.5	91	9.0	0	1	1	12	14	0	0	0	1	1	1	14	7	4	0	0	1	4	22	1	3	8	3	2	2	0	4	5				
			Yarmouth	1	26	1020.3	-	31.8	1.1	5.4	89	9.0	0	1	1	0	24	0	0	1	0	0	2	24	1	0	0	0	2	16	10	0	2	9	6	1	1	1	3	5	5	
					7	26	1019.9	+6.0	31.6	1.1	5.3	88	9.1	0	2	0	6	20	0	0	0	1	0	0	1	13	7	6	0	0	1	17	10	0	2	8	6	1	0	3	5	5	
					13	26	1019.9	-	33.8	1.7	5.4	82	9.1	0	0	1	13	14	0	0	0	0	0	0	0	0	0	0	0	3	14	10	1	1	11	4	3	0	2	1	5	5	
18	26	1019.9			-	33.4	1.3	5.6	86	8.3	0	2	5	4	17	0	0	0	0	0	0	0	1	19	8	0	0	3	13	12	0	2	10	5	1	1	2	5	2				
Suffolk	Felixstowe Aero.	H	7	16	1019.6	-	31.1	1.7	4.3	81	9.3	0	2	0	5	21	0	0	0	1	3	2	11	8	3	0	0	0	14	13	1	6	10	2	1	1	2	1	4	5			
			13	16	1019.7	-	34.3	2.5	5.0	75	9.0	0	0	4	10	14	0	0	0	1	0	5	11	2	2	0	0	0	14	14	0	4	11	2	1	1	3	1	5	5			
			18	16	1019.5	-	32.5	2.0	4.9	79	8.1	1	3	1	8	15	0	0	0	1	1	2	17	4	2	0	0	0	12	15	1	4	12	1	0	2	1	5	2				
			Mildenhall	H	1	40	1020.8	-	31.0	1.3	5.2	89	8.6	2	1	2	1	22	0	0	0	0	4	8	14	2	0	0	0	0	7	21	0	6	7	2	1	1	5	1	5		
7	40	1020.0			-	30.7	1.1	5.1	88	9.3	0	0	2	8	18	0	0	1	0	3	4	15	4	1	0	0	0	9	19	0	5	8	1	2	2	2	1	7					
13	40	1020.1			-	34.2	2.0	5.4	80	8.8	0	1	2	11	14	0	0	0	1	2	3	7	8	7	0	0	1	15	12	0	5	8	2	2	1	2	3	5					
18	40	1020.1			-	32.4	1.4	5.3	85	8.2	0	4	1	11	12	0	0	0	0	2	3	13	7	7	0	0	1	9	18	0	6	9	3	1	2	3	2	2					
Cambridge	Cambridge ..	H	9	43	1020.5	+6.1	31.8	0.7	5.6	93	8.9	0	1	2	9	16	-	-	-	-	-	-	-	-	-	-	-	0	0	28	0	4	11	0	1	2	2	3	5				
			21	43	1020.3	-	31.5	0.8	5.5	92	7.4	6	1	0	4	17	-	-	-	-	-	-	-	-	-	-	-	0	0	28	0	1	15	2	2	1	0	3	4				
			Bedford	Dunstable	H	1	519	1021.0	-	29.0	1.4	4.6	84	8.2	1	4	1	3	19	0	1	0	1	2	6	16	2	0	0	0	1	7	19	1	5	10	3	2	1	1	3	2	
						7	519	1019.9	-	28.7	1.1	4.6	87	9.1	0	2	1	2	23	0	1	0	2	4	1	17	3	0	0	0	1	9	18	0	4	10	3	2	1	2	2	4	
13	519	1020.0				-	32.8	2.2	4.9	76	8.2	0	3	3	8	14	0	0	1	1	2	2	17	3	2	0	0	0	11	16	1	3	10	3	1	1	3	3	3				
18	519	1020.2				-	30.9	1.8	4.7	79	7.8	0	5	2	8	13	1	0	0	1	1	5	13	5	2	0	0	1	9	17	1	5	10	3	1	1	1	2	4				
Hertford	Rothamsted	9	396	1020.0	+5.4	30.5	1.0	5.1	88	8.1	0	3	2	10	13	0	0	0	1	2	11	14	0	0	0	0	0	0	28	0	7	9	1	1	1	2	1	6				
			Essex	Shoeburyness	H	7	12	1019.8	-	31.0	1.4	4.9	85	8.9	0	0	4	5	19	0	0	0	3	1	7	12	4	1	0	0	0	7	21	0	11	7	0	2	2	1	2	3	
						13	12	1019.9	-	34.6	2.1	5.3	78	9.0	0	1	0	14	13	0	0	0	2	0	2	16	4	4	0	0	0	14	14	0	9	7	1	2	1	1	3	4	
						18	12	1019.9	-	32.4	1.3	5.4	86	8.2	1	3	2	5	17	0	0	0	3	1	4	14	4	2	0	0	1	6	21	0	10	7	1	1	1	3	1	4	
4 MIDLAND COUNTIES																																											
Yorks., W.R. Harrogate ..																																											
Nottingham	Nottingham	9	215	1020.3	+6.5	31.3	1.6	4.8	81	7.8	1	3	3	8	13	0	1	4	10	10	3	0	0	0	0	0	0	2	26	0	5	11	1	0	0	5	4	2				
			Warwick	Birmingham	H	7	542	1020.5	+5.6	29.9	1.1	4.9	88	7.9	2	3	1	4	18	0	2	3	8	8	5	2	0	0	0	0	1	27	0	7	5	3	2	1	3	1	6		
						13	542	1020.5	-	34.2	2.4	5.1	76	8.1	1	2	4	7	14	0	1	0	0	6	8	10	3	0	0	0	0	4	23	1	3	9	4	3	1	2	3	2	
						18	542	1020.6	-	33.4	2.3	5.0	76	7.7	2	4	1	6	15	0	1	1	4	8	8	5	0	1	0	0	0	1	26	1	3	12	3	0	2	1	3	3	
Oxford	Oxford				9	212	1021.0	+5.9	31.1	1.5	4.9	83	7.8	2	3	1	6	16	0	0	1	2	3	8	14	0	0	0	0	0	6	22	0	5	11	1	1	1	2	3	4	
			9	186	1020.6	-	31.9	0.7	5.7	93	7.1	5	0	3	6	14	0	1	0	4	4	0	6	10	3	0	0	0	6	18	4	5	1	5	2	1	2	3	5				
			Hereford	Ross-on-Wye	H	7	226	1020.5	+6.6	31.1	1.1	5.3	87	8.0	3	2	0	5	18	0	0	0	5	8	8	3	4	0	0	0	1	25	2	8	5	1	0	2	6	1	3		
						13	226	1020.4	-	36.6	2.8	5.4	73	7.3	0	6	3	9	10	0	0	0	1	2	16	2	6	0	0	0	0	7	21	0	4	11	3	0	1	2	5	2	
18	226	1020.4				-	34.9	2.6	5.2	74	7.0	2	6	1	5	14	0	0	0	1	1	0	8	12	1	5	0	0	2	26	0	5	7	6	1	2	2	4	1				
Gloucester	Cheltenham	H				9	230	1021.1	+6.9	32.9	1.3	5.4	53	8.2	3	0	1	10	14	0	0	0	3	7	8	7	3	0	0	0	0	25	3	9	4	4	2	2	1	1	2		
			21	230	1020.1	-	33.3	1.0	5.8	63	7.3	2	3	3	10	10	0	0	0	1	2	6	10	9	0	0	0	0	0	28	0	7	8	3	3	3	0	0	4				
			5 ENGLAND, S.E.																																								
			London	Greenwich ..	H	9	152	1020.0	+4.8	31.7	1.7	4.9	81	8.9	1	2	0	4	21	0	0	1	0	5	9	13	0	0	0	0	0	11	17	0	5	14	1	1	1	2	1	3	1
15	152	1019.2				-	35.0	2.8	5.0	73	8.0	1	3	2	8	14	-	-	-	-	-	-	-	-	-	-	-	0	0	11	16	1	9	10	2	1	0	3	1	1			
21	152	1020.1				-	31.8	1.6	5.0	82	8.1	3	2	0	3	20	-	-	-	-	-	-	-	-	-	-	-	0	0	11	17	0	4	13	2	1	1	2	4	1			
h.*	152	1019.8				+4.8	32.2																						0	0	11	17	0	4	13	2	1	1	2	4	1		
	Kew Obs'y.	H	7	34	1019.9	+5.0	31.5	1.6	4.9	81	9.0	0	2	1	5	20	0	0	1	1	2	14	10	0	0	0	0	0	5	23	0	8	9	2	2	2	2	2	1	2			
			13	34	1019.8	-	34.9	3.1	4.9	70	8.7	1	1	0	11	15	0	0	1	1	1	9	15	1	0	0	0	0	0	12	16	0	8	11	2	0	1	2	2	2			
			18	34	1020.0	-	34.0	2.8	4.8	72	7.9	2	2	3	7	14	0	0	0	3	4	13	8	0	0	0	0	0	8	20	0	6	12	2	1	1	3	2	1				

TABLE IV (continued)—Summary of Observations at fixed hours

FEBRUARY, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS															
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION									
										0	1 to 3	4 to 6	7 to 9	10	NUMBER OF OBSERVATIONS									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	1	2	3	4	5	6	7	8														9	
5 ENGLAND, S.E.—cont.																																						
Kent—cont.	1	345	1020.2	-	30.4	1.0	5.1	89	8.9	1	1	2	2	22	0	0	1	0	4	6	15	1	1	0	0	0	0	10	15	3	7	7	3	1	0	1	2	4
	7	345	1019.6	+4.4	30.0	0.9	5.0	89	8.5	0	3	3	1	21	0	0	0	1	3	4	15	2	3	0	0	0	1	9	16	2	7	7	2	2	1	0	2	5
	13	345	1019.6	-	33.1	1.5	5.4	85	9.3	0	1	0	9	18	0	0	0	0	3	4	14	2	5	0	0	0	10	18	0	9	7	2	1	3	1	1	4	
	18	345	1019.7	-	31.2	1.1	5.2	87	8.7	0	3	0	7	18	0	1	1	1	0	8	11	3	3	0	0	0	9	16	3	9	8	0	1	1	1	1	4	
Manston ..	1	156	1019.7	-	31.7	1.3	5.2	86	9.4	0	1	1	4	22	0	1	0	1	2	6	18	0	0	0	0	0	2	13	13	0	6	11	0	2	1	1	2	5
	7	156	1019.1	-	31.0	1.0	5.2	89	8.8	0	3	1	3	21	0	0	0	2	2	8	14	0	0	0	0	0	2	15	10	1	7	8	2	1	2	1	1	5
	13	156	1019.1	-	32.9	1.6	5.2	82	9.1	0	1	1	10	16	0	0	0	2	2	7	13	1	1	0	0	0	3	19	6	0	8	8	2	0	2	2	1	5
	18	156	1019.1	-	31.7	1.2	5.3	87	8.3	0	5	0	5	18	0	0	1	0	2	9	13	2	1	0	0	0	2	13	11	2	9	8	1	1	1	1	2	3
Tunbridge Wells ..	9	407	1020.3	+4.6	30.6	0.4	5.5	96	8.4	2	2	1	3	20	0	0	0	0	0	14	12	1	1	0	0	0	14	14	0	4	12	2	1	2	0	2	5	
Sussex Hastings ..	9	154	1018.4	+2.9	31.9	1.5	5.0	84	8.7	1	1	3	1	22	0	0	0	0	1	15	10	1	1	0	0	0	6	22	0	1	17	0	3	0	1	2	4	
	1	10	1020.6	-	31.3	1.1	5.1	87	8.5	1	4	2	4	17	0	0	0	1	2	9	12	4	0	0	0	0	6	21	1	6	11	3	1	0	0	2	4	
	7	10	1019.7	-	31.7	1.0	5.3	89	8.8	0	3	0	5	20	0	0	0	1	4	2	16	5	0	0	0	0	2	26	0	9	9	2	0	1	1	3	3	
	13	10	1019.7	-	36.5	2.2	5.7	79	8.8	1	1	4	8	14	0	0	0	0	0	2	15	8	3	0	0	0	8	20	0	9	10	4	0	1	2	2	0	
Thorney Is. ..	18	10	1019.7	-	34.5	1.8	5.4	81	7.9	0	5	2	6	15	0	0	0	0	2	4	20	2	0	0	0	0	5	22	1	8	11	2	0	1	2	2	1	
	9	84	1020.2	-	33.6	1.6	5.5	85	8.5	0	2	1	10	15	0	0	1	0	4	8	15	0	0	0	0	0	15	12	1	7	10	5	1	1	1	1	1	
	21	84	1020.2	-	33.9	1.8	5.3	80	6.4	6	2	4	2	14	0	0	0	0	4	5	13	5	1	0	0	0	3	24	1	7	10	4	1	1	1	3	0	
	7	231	1020.0	+5.3	30.8	1.3	4.9	84	8.8	0	3	0	6	19	0	0	1	0	6	4	11	6	0	0	0	0	2	25	1	9	7	1	0	2	2	4	2	
S. Farnborough H	13	231	1020.1	-	35.3	2.8	5.2	72	8.2	0	2	4	9	13	0	0	0	0	3	7	13	3	2	0	0	0	8	20	0	7	10	3	1	2	1	2	2	
	18	231	1020.0	-	33.8	2.4	5.0	74	8.4	1	2	2	8	15	0	0	0	0	2	8	15	3	0	0	0	0	7	19	2	3	12	2	1	1	1	3	3	
	9	80	1019.8	+3.9	34.8	2.0	5.4	79	8.7	1	1	2	6	18	-	-	-	-	-	-	-	-	-	-	0	0	7	21	0	7	9	6	0	1	1	3	1	
	15	80	1019.0	-	36.9	2.7	5.5	74	7.5	3	3	1	6	15	-	-	-	-	-	-	-	-	-	-	0	0	7	21	0	7	12	2	1	0	1	3	2	
L. of Wight Ventnor (Hosp.)	7	420																																				
	13	420																																				
	18	420																																				
	9	444	1020.6	-	31.0	0.8	5.3	88	8.0	2	3	1	5	17	0	0	1	0	6	3	11	4	3	0	0	0	8	18	2	7	10	4	2	1	1	1	0	
Larkhill .. H	13	444	1020.3	-	34.8	1.9	5.5	81	7.9	1	2	3	9	13	0	0	1	1	0	3	11	7	5	0	0	0	1	17	8	2	5	12	4	0	1	0	4	0
	15	444	1019.8	-	35.3	2.4	5.4	76	7.6	0	5	1	9	13	0	0	1	1	1	0	14	5	6	0	0	0	1	15	10	0	2	15	2	0	1	4	1	
	7a ENGLAND, N.W.																																					
	9	86	1020.6	+8.0	31.9	0.8	5.5	90	7.8	0	2	4	14	8	-	-	-	-	-	-	-	-	-	-	0	0	0	21	7	1	8	2	1	2	0	3	4	
Lancashire Hutton ..	9	127	1021.1	+8.0	32.4	1.3	5.3	85	8.1	1	3	1	10	13	-	-	-	-	-	-	-	-	-	-	0	0	0	23	5	7	7	2	1	1	1	1	3	
	21	127	1021.3	-	32.9	1.3	5.4	85	6.6	7	0	3	6	12	-	-	-	-	-	-	-	-	-	-	0	0	2	22	4	3	9	1	2	1	2	1	3	
	9	37	1021.7	+8.4	32.8	1.3	5.6	87	8.5	0	2	3	11	12	1	1	0	4	8	9	1	1	3	0	0	1	5	20	2	2	7	6	5	1	1	3	1	
	15	37	1021.1	-	37.3	2.5	5.9	77	7.8	0	6	1	8	13	0	0	1	4	10	6	4	2	1	0	0	0	1	7	19	1	2	4	6	5	3	0	5	2
Southport (Bedford Rd. Park)	21	37	1021.8	-	33.2	1.2	5.7	88	6.6	0	9	3	2	14	0	0	0	6	12	5	2	3	0	0	0	0	8	20	0	1	5	9	5	0	2	2	4	
	9	381	1021.3	+7.9	30.7	1.4	4.9	85	7.6	0	5	2	8	13	0	0	0	2	0	1	11	7	0	0	0	0	2	25	1	9	8	3	0	0	1	3	3	
	21	381	1021.5	-	32.0	1.4	5.2	85	5.9	8	1	4	2	13	-	-	-	-	-	-	-	-	-	-	0	0	3	23	2	9	2	3	3	0	1	5	3	
	9	202	1020.9	+7.8	33.3	1.3	5.5	85	8.7	0	3	1	11	14	0	1	0	10	6	10	0	1	0	0	0	0	3	9	14	2	4	6	5	4	1	0	4	2
Stonyhurst ..	1	261	1021.6	-	29.9	0.9	5.0	89	6.7	8	1	0	3	16	0	0	1	4	9	6	5	3	0	0	0	0	5	12	11	4	2	1	3	2	1	1	2	
	7	261	1020.7	-	29.7	0.8	5.1	91	6.4	4	5	4	2	13	0	0	1	4	9	8	4	2	0	0	0	0	4	13	11	2	3	3	3	2	1	1	2	
	13	261	1020.9	-	35.8	2.4	5.5	76	7.5	2	1	5	11	9	1	0	0	0	7	4	13	3	0	0	0	0	8	17	3</									

TABLE IV (continued)—Summary of Observations at fixed hours

FEBRUARY, 1942

Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																		
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION									
										0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
															0	1	2	3																		4	5	6
8b ENGLAND, S.W.—cont.																																						
Dorset—cont.	Portland Bill	1	37	1020.4	-	35.6	1.2	6.2	87	8.0	1	1	6	4	16	0	0	0	0	0	0	0	22	6	0	0	0	15	13	0	7	13	3	1	1	1	1	
		7	37	1019.5	+5.5	34.8	1.1	6.0	88	8.7	0	0	7	2	19	0	0	0	0	0	0	0	22	6	0	0	0	19	9	0	3	12	5	0	0	2	4	
		13	37	1019.8	-	38.2	1.6	6.1	78	9.1	0	0	2	6	20	0	0	0	0	0	0	0	16	12	0	0	0	20	8	0	3	13	6	0	1	0	3	
		18	37	1019.5	-	37.1	1.4	6.5	87	9.1	0	0	5	1	22	0	0	0	0	1	1	1	16	10	0	0	0	20	8	0	3	11	6	0	1	2	2	
Devon	Hartland Pt.	1	305	1020.8	-	36.2	2.5	5.4	75	6.4	6	2	2	12	6	0	0	0	0	0	7	15	6	0	0	0	16	12	0	0	12	4	2	2	3	2	3	
		7	305	1020.0	-	36.2	2.3	5.6	77	7.2	2	4	2	15	5	0	0	0	0	0	4	16	8	0	0	0	14	14	0	2	10	5	1	0	3	2	5	
		13	305	1020.4	-	38.2	2.9	5.7	73	7.4	1	3	2	20	2	0	0	0	0	0	1	14	13	0	0	0	7	20	1	6	9	4	1	1	1	2	3	
		18	305	1019.9	-	37.7	2.8	5.6	73	7.7	1	3	1	20	3	0	0	0	0	1	3	14	10	0	0	0	13	15	0	3	13	5	1	1	1	1	3	
Plymouth (Mount Batten)	H	7	27	1020.5	+6.2	33.7	1.0	6.1	89	6.6	1	6	5	7	9	0	0	0	1	5	6	7	7	2	0	0	11	9	8	0	6	6	2	0	1	1	4	
		13	27	1020.6	-	39.8	2.5	6.6	77	7.3	1	3	5	11	8	0	0	0	1	0	13	8	5	1	0	0	18	9	1	5	8	5	1	1	1	1	5	
		18	27	1020.3	-	38.1	2.0	6.6	81	7.6	1	3	2	11	11	0	0	0	1	8	17	1	1	0	0	0	18	9	1	4	10	6	1	1	1	1	3	
		18	27	1020.3	-	38.1	2.0	6.6	81	7.6	1	3	2	11	11	0	0	0	1	8	17	1	1	0	0	0	18	9	1	4	10	6	1	1	1	1	3	
Cornwall	The Lizard	1	240	1020.8	-	38.6	2.0	6.4	80	7.9	0	4	3	10	11	0	0	0	1	0	1	4	16	6	0	0	4	16	8	0	3	11	3	3	1	1	1	5
		7	240	1020.0	-	38.1	1.8	6.5	83	8.3	0	2	6	2	18	0	0	0	0	0	2	5	15	6	0	0	3	15	8	2	2	9	5	2	1	1	0	6
		13	240	1020.4	-	41.2	2.9	6.5	74	8.0	9	1	7	11	9	0	0	0	0	1	3	5	19	0	0	0	5	15	8	0	4	9	5	2	2	0	1	5
		18	240	1019.9	-	39.5	2.1	6.2	75	8.5	0	3	0	15	10	0	0	0	1	0	5	5	17	0	0	0	5	10	11	2	7	6	5	2	1	1	1	3
Newquay	9	185	1019.8	+5.5	36.1	1.3	6.3	87	6.6	4	6	0	4	14	0	0	0	0	0	0	10	10	6	2	0	1	13	14	0	4	1	7	9	4	0	1	2	
NORTHERN IRELAND																																						
Antrim	Aldergrove	7	271	1020.9	-	34.2	1.0	6.2	90	7.6	1	4	1	16	6	0	0	0	1	3	1	8	9	6	0	0	0	2	17	9	1	1	2	2	6	1	3	3
		13	271	1021.4	-	39.5	2.1	6.7	81	8.0	0	3	1	18	6	0	0	1	0	1	3	8	5	10	0	0	0	4	21	3	3	0	6	2	3	5	3	3
		18	271	1021.1	-	36.8	1.5	6.4	85	7.5	1	4	3	11	9	0	0	0	1	3	2	5	7	9	1	0	0	2	22	4	2	2	4	5	2	3	3	3
Armagh	Armagh	9	209	1021.0	+9.9	36.3	1.3	6.5	87	7.4	2	2	4	12	8	0	0	0	0	3	4	6	15	0	0	0	3	25	0	2	2	5	2	6	3	5	3	
		21	209	1021.3	-	36.1	1.2	6.5	87	6.4	5	4	3	6	10	0	0	0	0	1	4	4	19	0	0	0	3	25	0	4	4	4	1	7	2	5	1	
Silly	St. Mary's..	1	199	1020.7	-	40.8	2.5	6.8	79	8.3	2	1	0	13	12	0	0	0	1	0	1	5	9	12	0	0	0	18	9	1	4	4	9	4	1	1	0	4
		7	199	1019.9	+6.0	40.6	2.5	6.7	78	8.8	1	0	1	14	12	0	0	0	0	0	8	8	12	0	0	0	19	9	0	4	6	7	4	1	2	1	3	
		13	199	1020.3	-	43.1	3.4	7.2	76	8.5	2	0	3	11	12	0	0	0	0	0	1	9	18	0	0	0	1	19	8	0	4	7	8	4	1	1	0	3
		18	199	1019.7	-	41.5	2.9	6.7	75	8.7	0	1	3	13	11	0	0	0	1	0	5	4	18	0	0	0	18	7	3	3	7	6	2	1	2	0	4	
GIBRALTAR	..	1	400	1013.6	-	49.9	2.7	9.9	79	3.9	8	7	4	7	2	0	0	0	0	0	1	1	18	8	0	0	13	13	2	0	4	3	1	0	0	9	9	
		7	400	1013.1	-	48.4	2.6	9.4	80	6.0	1	5	6	14	2	0	0	0	0	0	1	1	17	7	0	0	1	9	18	0	3	6	1	1	0	0	10	7
		13	400	1013.4	-	55.3	5.1	10.2	68	5.9	2	6	4	14	2	0	0	0	0	1	0	0	1	17	9	0	1	11	16	0	1	5	6	1	0	1	13	1
		18	400	1012.9	-	52.6	3.9	10.0	73	5.0	1	10	3	11	3	0	0	0	0	0	0	0	2	18	8	0	0	10	18	0	2	3	6	1	0	2	13	1
MALTA	..	1	234																																			
		7	234																																			
		13	234																																			
		18	234																																			

TABLE III (a)—SKY OBSERVATIONS, FEBRUARY, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH			NIGHT SKY RECORDER**		
Persistently overcast days	Number		Recorder in operation on	GREENWICH	PORTON
" cloudless "	7		Average exposure (hours)	28 nights	28 nights
" foggy "	0		Polaris unobscured	11.81	11.5
			(per cent.)	18	36
			δ Ursæ Minoris (ditto)	14	30

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		
	Cal./cm. ² /diem.	
Max. (on 13 th)	21.4	
Mean	31.8	

DUPLICATE

Crown Copyright Reserved

M.O. 461

COPY FOR OFFICIAL USE

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 3.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1435 4

MARCH, 1942.—Dull; cold, becoming milder.

The month was distinguished by an unusual scarcity of sunshine, particularly in the Midlands. It was cold during the first half of the month and considerable snowfall was experienced in some districts from the 4th–6th or 7th.

During the opening days of the month an anticyclone moved east-south-east from Iceland to southern Scandinavia, while a depression south of Ireland moved south-east and a trough associated with a depression near Iceland approached the British Isles. Cold weather prevailed, with little rainfall except in the west. On the 3rd a vigorous trough of low pressure moved in over our western districts; there was a temporary rise in temperature and rain occurred in most districts, falls being heavy in the south-west. From the 4th to 6th the anticyclone over Scandinavia moved slowly north-west and very cold easterly winds were experienced over the British Isles; meanwhile an almost stationary trough of low pressure, which eventually moved south-west, lay over our western districts; snow fell over a wide area and the falls were considerable, with fairly deep drifts in some districts. On the 8th and 9th a shallow depression initially off the north of Ireland moved away north-east; precipitation occurred in most parts on the 8th except in the southern half of England and rainfall was fairly heavy locally in the west. On the 10th a wedge of high pressure extended south-east over Scotland from an anticyclone north of Iceland and on the 11th the anticyclone moved south-east to the North Sea. This system maintained mainly fair weather in the north, while rain in the southern half of the country was associated with a trough of low pressure which moved slowly north over our southern districts.

On the 13th a large depression centred north-east of the Azores moved slowly north-east, and from the 14th to 19th conditions over the United Kingdom were governed by this large low pressure system on the Atlantic and associated troughs which moved north-east over the British Isles. Mainly mild, unsettled weather, with occasional rain, prevailed and local thunderstorms occurred from the 17th–19th. By the 19th colder air, with east winds, had spread back over most of the country. Subsequently pressure rose over the southern districts of the British Isles and by the 22nd a belt of high pressure extended east to west across the country from an anticyclone over southern Scandinavia. Anticyclonic conditions persisted until the 24th, when a deep Icelandic depression moving east caused a little slight rain in Scotland and a gale in the Shetlands on the 24th and 25th. Day temperatures rose considerably during the period 23rd to 25th and 60°F. was exceeded at numerous places. Thereafter conditions continued mainly fair apart from scattered rain or showers until the 29th, when a complex Atlantic depression again approached our western seaboard. Some rain occurred in the west and north-west on the 29th and on the following days rain was experienced over the country generally.

Pressure and Wind.—Mean pressure exceeded the average in the north and east and was below the average in the south-west, the deviation at 7h. ranging from +7.4 mb. at Sumburgh in the Shetland Islands to -3.0 mb. at the Scilly Isles. Winds from some easterly point were excessive: in Scotland there was a seven days excess of east and south-east winds. Gales were comparatively few and none was markedly severe, though a mean hourly velocity of 50 m.p.h. was registered at Lerwick on the 25th. Gales were, however, recorded locally from the 2nd–6th, 8th, 12th–13th, 16th and 24th–25th. Among the highest speeds recorded in gusts were 72 m.p.h. at Lerwick on the 25th and 60 m.p.h. at Bell Rock Lighthouse on the 8th.

Temperature.—Mean temperature was below the average in all districts except England, S.W. and Northern Ireland. The deviation for the districts ranged from -2.3°F. in England, E. to +0.5°F. in England, S.W. Mean temperature was unusually low on the east coast, the deviation from the average being -4.5°F. at Yarmouth

and -4.2°F. at Lowestoft. The first twelve days were cold, mean temperature during the first week being particularly low; screen minimum temperatures were notably low between the 6th and 12th, especially on the 8th, when -3°F. was registered at Braemar, 5°F. at Balmoral, 8°F. at Tarland, and, in England, 15°F. at Milford, Surrey. There was a rise in temperature on the 14th, and on the whole the third week was decidedly mild. The highest day temperature, however, occurred at many places between the 23rd and 25th, but the range of temperature was fairly large during this spell.

The extremes for the month were:—(England and Wales) 66°F. at Bala on the 24th, 15°F. at Milford (Surrey) on the 8th; (Scotland) 63°F. at Stonehaven on the 24th, -3°F. at Braemar on the 8th; (Northern Ireland) 63°F. at Armagh on the 24th, 22°F. at Hillsborough and Armagh on the 7th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881–1915 was 101 over England and Wales, 68 over Scotland and 127 over Northern Ireland. In Scotland, north of a line drawn from Oban to Aberdeen, rainfall, with few exceptions, was less than half the average; more than 150 per cent. of the average occurred locally in the district skirting the Solway Firth, while somewhat more than the average occurred locally in Perthshire, the Clyde area and a few places elsewhere. In Northern Ireland rainfall was excessive except in the extreme north and the percentage of the average at individual stations ranged from 91 at Londonderry and Garvagh to 183 at Seaford. In England and Wales the distribution was variable; less than 50 per cent. was received in a coastal strip from Berwick-on-Tweed to Skegness, while more than 150 per cent. occurred locally near the east coast from Lowestoft to Shoeburyness, at a few places on the Sussex coast and at Plymouth.

Daily falls of more than 1 in. occurred at numerous places on the 3rd, 4th, 8th and 16th, and locally on some other days, and among the largest daily falls were 2.42 in. at Ardarroch, near Garelochhead on the 4th and 2.45 in. at Princetown on the 16th. In a heavy rain-storm at Hoarwithy, Herefordshire, on the 18th, 1.10 in. fell in 55 minutes.

Widespread snow occurred from the 4th–7th and in some areas the falls were considerable. Perth had 9–10 inches of undrifted snow with drifts of 2 to 3 feet deep, while at Corroir in Glen Leven snow was drifted to a depth of 8 feet at the end of the first week. At Bingley, Yorkshire, there were drifts of three feet on the 6th and 7th, and level snow was 12 inches deep at Huddersfield on the 5th and 10 inches deep at Bellingham on the 6th and 7th, at Houghall on the 6th and Chopwellwood on the 7th.

Thunderstorms occurred locally between the 17th and 19th and at one or two places on the 31st.

Sunshine.—Sunshine was notably deficient, particularly in the Midland Counties. The deficiency was general and an excess was recorded only at one or two stations on the north coast of Cornwall. At Sheffield it was the dullest March since records began in 1898, at Cheltenham the total was the lowest since comparable records were first taken in 1907 and at Totland Bay, Isle of Wight, March sunshine has only once been less, that is in 1916. In many districts March continued a sequence of dull months and over a large part of England the total sunshine of the first three months of 1942 was the lowest recorded for a similar period for many years.

Fog.—Fog occurred frequently; it was reported at the morning observation hour on more than 10 days at a large number of stations, and on 22 days at Greenock, 21 days at Ushaw and 18 days at Huddersfield and Usk.

Miscellaneous Phenomena.—Aurora was observed in Scotland on 8 nights. Solar halos were noted at Oxford on 12 days.

TABLE I—DISTRICT VALUES—

MARCH, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	59	7	-1.3	—	—	46	-7	67	19
Eastern									
1 SCOTLAND, E.	63	-3	-1.3	—	—	53	-5	81	24
2 ENGLAND, N.E.	65	18	-1.4	-1.4	-2.0	56	-6	65	20
3 ENGLAND, E.	64	19	-2.3	-2.9	-3.1	105	-4	71	23
4 MIDLAND COUNTIES	65	18	-0.9	-2.2	-2.9	115	-2	53	15
5 ENGLAND, S.E.	65	15	-1.1	-1.9	-2.6	115	-3	72	24

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	60	19	-1.6	-1.3	-2.0	103	0	85	25
7 ENGLAND, N.W. (and N. Wales)	66	22	-0.7	-2.5	-2.8	103	0	85	25
8 ENGLAND, S.W. (and S. Wales)	64	20	+0.5	-0.7	-1.2	94	-2	71	24
NORTHERN IRELAND	63	22	+0.4	—	—	123	-1	73	21
MEAN 0, 1, 6	—	—	-1.4	—	—	—	—	78	23
MEAN 2, 3, 4, 5, 7,	—	—	-1.0	—	—	—	—	69	22

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

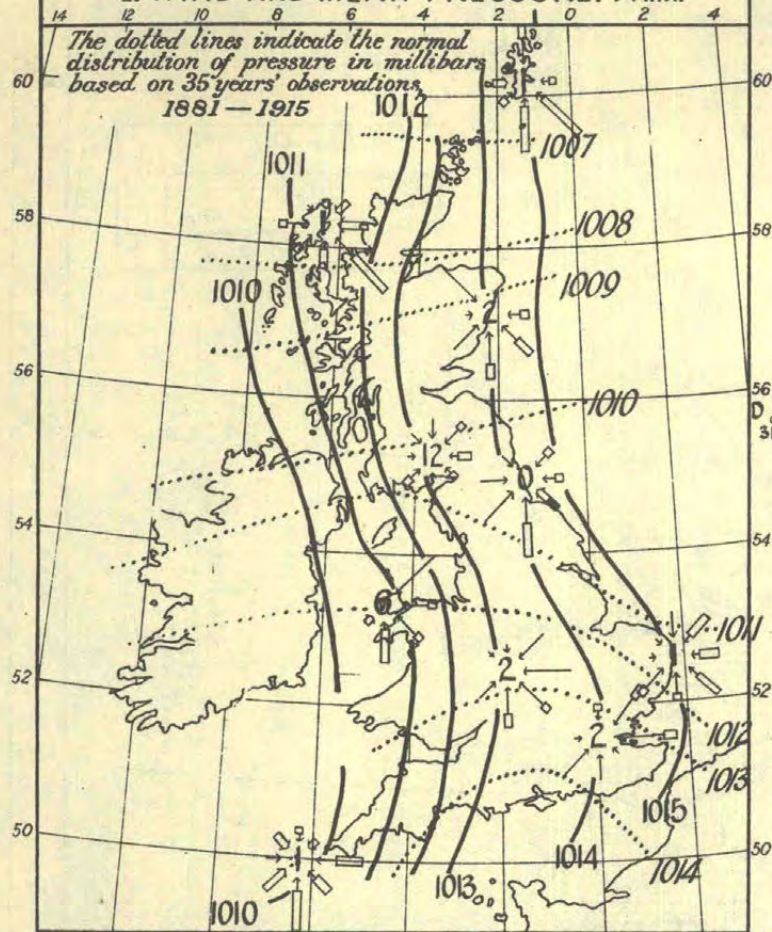
MARCH, 1942

[1914]

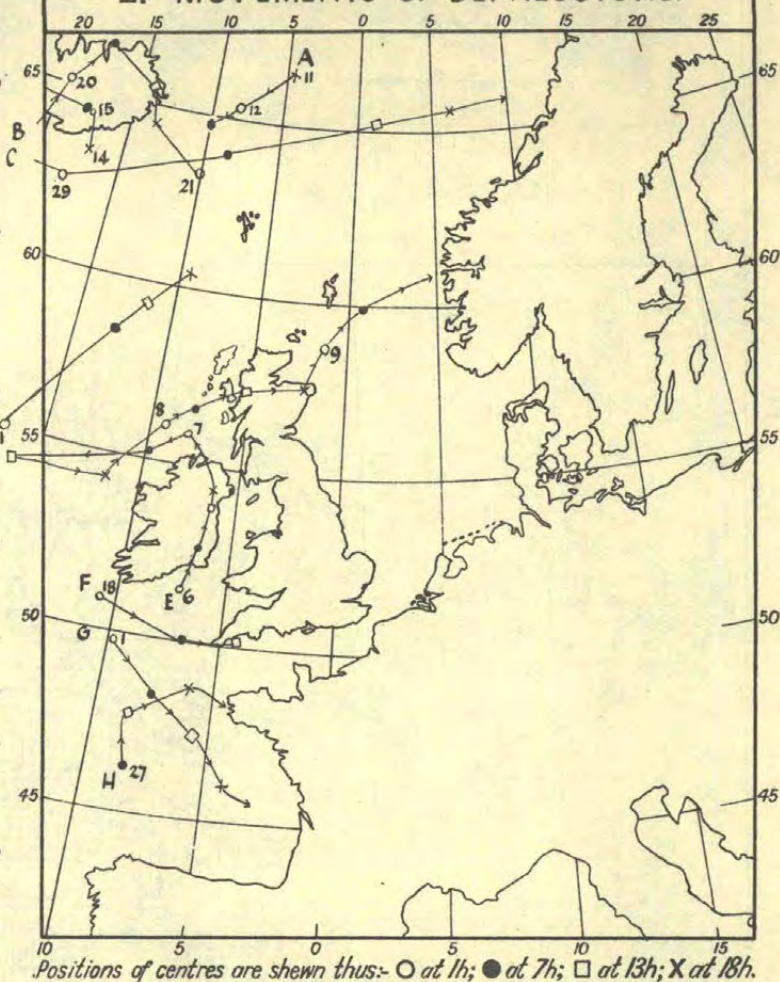
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities											
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr		4 to 12 mi/hr		Less than 4 mi/hr		No Record		Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time				
														mi/hr	hr		mi/hr	hr	mi/hr	hr	mi/hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.	ft	ft	ft		hr		hr	hr	hr	hr	hr	hr	hr	hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d <td>h<td>m</td></td>	h <td>m</td>	m
Shetland Lerwick	310	53	39	23-25	10	19	263	379	74	18	0	290	50	22	25 08	72	32	25 07	25				
Orkney Kirkwall	170	40	35	4	2	16	196	336	197	13	0	(140)	40	18	4 15	62	28	24 12	55				
Hebrides Stornoway	120	40	36	4-6	4	15	144	277	243	76	0	100	40	18	5 02	57	25	25 10	35				
1 SCOTLAND, E.																							
Aberdeen Aberdeen	120	41	32	-	0	0	0	169	401	174	0	130	23	10	4 12	43	19	6 9	55				
Angus Bell Rock Lighthouse	130	—	126	3-6; 8; 12	58	18	135	283	206	62	0	100	45	20	4 06	60	27	8 18	55				
Edinburgh Edinburgh	485	39	23	-	0	1	4	187	335	218	0	230	31	14	8 17	54	24	8 16	05				
6a SCOTLAND, W.																							
Argyll Tiree	75	50	42	-	0	6	39	244	246	208	7	140	33	15	2 11	54	24	2 10	05				
Renfrew Paisley	188	81	31	-	0	0	0	95	390	259	0	180	23	10	8 13	47	21	8 12	50				
Renfrew (Abbotsinch)	65	46	34	-	0	0	0	138	402	204	0	260	24	11	8 16	51	23	(5 14 20)					
Dumfries Eskdalemuir	825	50	35	-	0	2	11	152	270	311	0	80	28	13	5 14	45	20	(8 14 10)					
6b ISLE OF MAN																							
Isle of Man Point of Ayre ..	70	40	35	-	0	12	143	262	262	75	2	160	36	16	3 02	54	24	4 04	45				
2 ENGLAND, N.E.																							
Durham South Shields	73	57	44	-	0	3	31	190	347	176	0	100	34	15	15 10	43	19	5 09	55				
Durham	389	53	33	-	0	0	0	170	388	186	0	80	24	11	5 14	42	19	31 17	05				
Yorks., N.R. Catterick	220	45	33	-	0	0	0	22	368	354	0	230	18	8	8 17	34	15	31 19	30				
Yorks., E.R. Spurn Head	64	42	34	-	0	0	0	22	368	354	0	230	18	8	8 17	34	15	31 19	30				
Lincoln Cranwell	284	43	33	-	0	1	2	218	431	93	0	210	26	12	8 13	43	19	8 11	45				
3 ENGLAND, E.																							
Norfolk Gorleston	52	42	34	-	0	0	0	241	413	90	0	210	23	10	31 16	40	18	31 16	40				
Suffolk Mildenhall	98	83	58	-	0	0	0	241	413	90	0	210	23	10	31 16	40	18	31 16	40				
Bedford Cardington	285	150	135	-	0	1	8	179	352	205	0	210	29	13	31 14	41	18	31 15	40				
Essex Shoeburyness	115	104	89	-	0	5	17	322	339	66	0	80	29	13	12 21	35	16	12 21	10				
4 MIDLAND COUNTIES																							
Leicester Leicester	385	60	33	-	0	0	0	163	452	129	0	230	22	9	31 19	39	17	31 19	30				
Warwick Birmingham	643	118	73	-	0	0	0	163	452	129	0	230	22	9	31 19	39	17	31 19	30				
5 ENGLAND, S.E.																							
London Southgate	222	30	—	-	0	0	0	163	452	129	0	230	22	9	31 19	39	17	31 19	30				
Surrey Kew Observatory	92	75	50	-	0	1	1	197	451	95	0	90	24	11	26 17	42	19	26 16	40				
Croydon	313	105	70	-	0	0	0	68	466	210	0	90	17	8	14 10	40	18	31 19	00				
Kent Lympne	418	76	48	-	0	5	32	218	397	97	0	360	33	15	7 02	47	21	7 01	25				
Manston	199	46	40	-	0	1	1	216	419	106	2	220	26	12	31 13	40	18	31 12	15				
Hants Calshot	58	50	42	-	0	0	0	216	419	106	2	220	26	12	31 13	40	18	31 12	15				
Wiltshire Boscombe Down ..	462	45	33	-	0	3	7	297	369	71	0	190	29	13	16 19	45	20	16 19	15				
Larkhill	491	51	36	-	0	2	6	290	363	61	24	200	28	13	16 19	48	21	16 21	05				
7a ENGLAND, N.W.																							
Lancashire Fleetwood	112	50	31	-	0	0	0	215	399	120	0	210	21	9	31 19	38	17	4 03	00				
Manchester (Barton)	153	83	80	-	0	1	14	299	333	98	0	80	30	13	5 15	46	21	5 14	20				
Southport	60	42	33	-	0	0	0	224	440	80	0	170	24	11	31 18	37	17	31 17	15				
Cheshire Bidston Obs'y. ..	262	64	39	-	0	6	21	383	285	46	9	110	26	12	12 23	46	21	12 23	15				
Manchester (Ringway) ..	315	80	40	-	0	3	12	311	263	158	0	170	29	13	8 11	41	18	31 18	00				
7b NORTH WALES																							
Anglesey Holyhead	68	43	35	-	0	0	0	68	466	210	0	90	17	8	14 10	40	18	31 19	00				
Flint Sealand	81	65	42	-	0	0	0	68	466	210	0	90	17	8	14 10	40	18	31 19	00				
8a SOUTH WALES																							
Pembroke St. Ann's Head ..	212	70	—	12, 13	7	20	185	330	212	10	0	90	40	18	12 24	56	25	12 23	10				
8b ENGLAND, S.W.																							
Devon Plymouth	185	88	65	16	1	6	31	277	316	76	43	—	39	17	16 18	49	22	13 02	15				
Cornwall The Lizard	315	75	60	-	0	7	69	391	199	51	34	190	35	16	16 14	50	22	16 14	55				
Pendennis Castle	265	65	42	-	0	8	88	297	264	41	54	230	38	17	16 16	44	20	16 17	05				
NORTHERN IRELAND																							
Antrim Aldergrove	328	60	42	-	0	1	1	154	342	247	0	130	25	11	3 14	51	23	3 13	20				
SCILLY ISLES																							
St. Mary's	230	65	57	-	0	9	44	370	274	50	6	130	32	14	12 21	49	22	12 22	10				

MONTHLY WEATHER CHARTS MARCH 1942

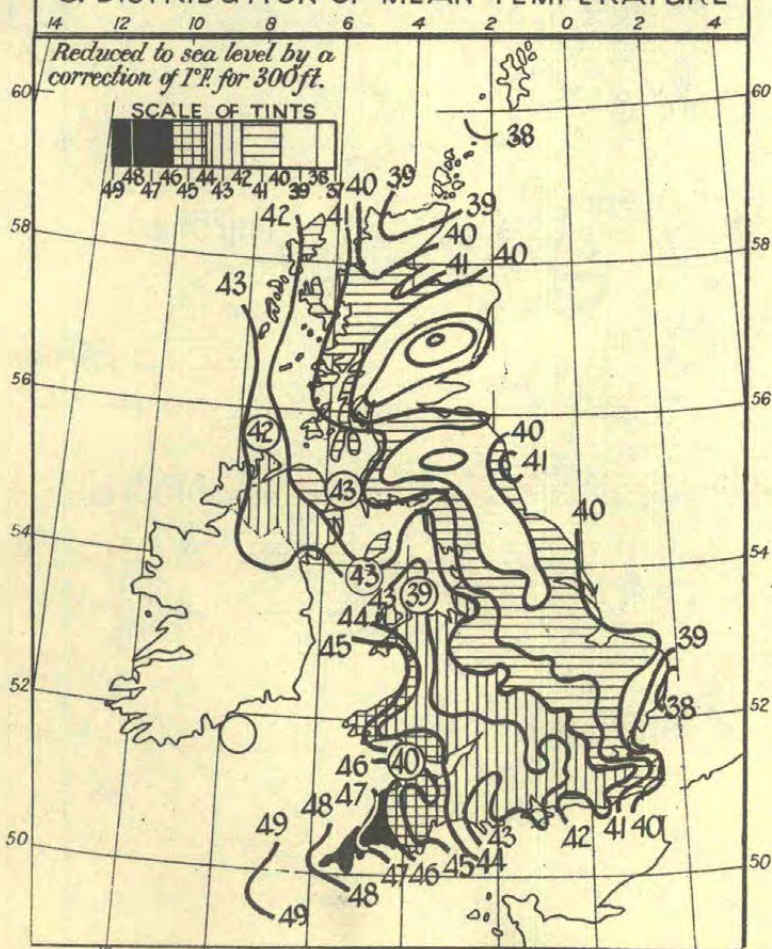
1. WIND AND MEAN PRESSURE. 7 A.M.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY

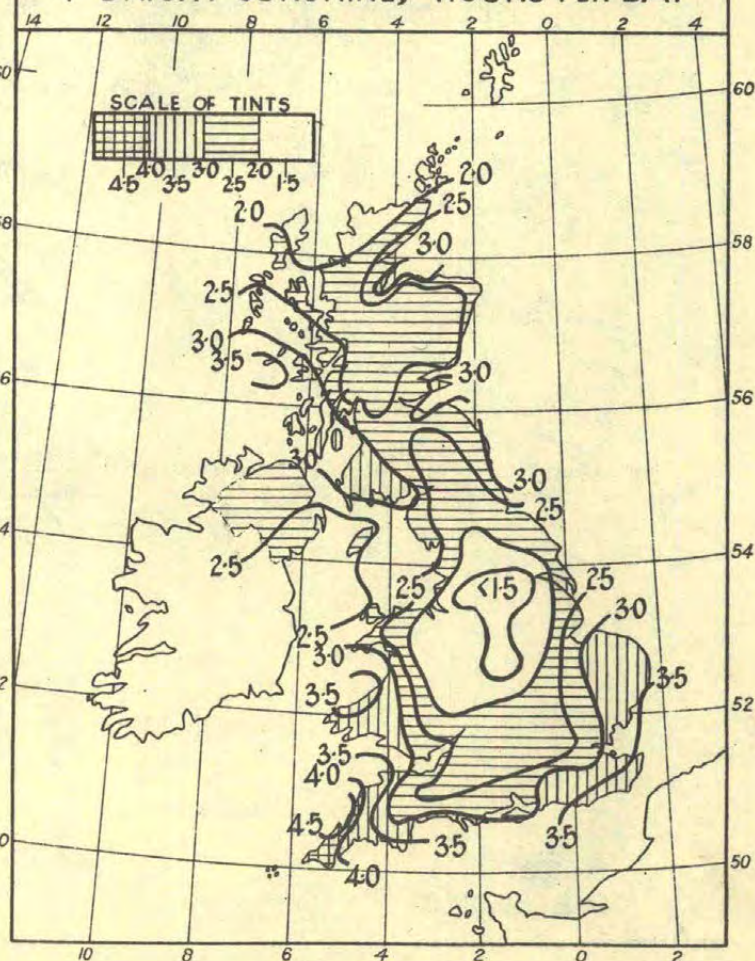


TABLE III Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942

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			Per cent- age of Average	Most in a day	Precip'n (0.02 inch or more)	Precip'n (0.01 inch or more)	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible				
				A Max.	B Min.		Maximum	Date	Minimum	Date		1 ft	4 ft														mm	in	%	in
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	in (0.02 inch or more)	in (0.01 inch or more)	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible		
SCOTLAND																														
0 SCOTLAND, N.																														
Shetland	Baltasound ..	9 9 9	31																											
	Lerwick Obey. %	9 9 9	269	39.5	32.1	35.8	-3.2	50	24	22	2	-	-	57	2.24	71	.70	31	20	11	12	5	2	0	3	14	3	1.89	63	16
	Sumburgh (Links)	18-7 7	19	39.6	34.4	37.0	-	47	24	25	5,27	-	-	48	1.88	-	.59	31	19	13	17	9	2	0	3	13	2	1.89	-	-
Orkney	Kirkwall ..	% 9 9 9	113	42.1	34.3	38.2	-1.9	52	16,23,24	23	6	38.3	-	31	1.24	43	.29	12	15	10	8	3	1	0	3	9	2	1.91	57	16
Hebrides	Skallary ..	.. 101010	30	46.9	39.0	42.9	-	54	23	30	6,7	-	-	70	2.77	-	.67	30	20	12	-	-	-	-	-	-	-	-	-	-
	Stornoway %	18-7 7	79	44.6	38.4	41.5	-0.2	53	23	29	1,9	-	-	67	2.65	68	.68	30	18	11	6	2	2	0	0	-	1	1.85	53	16
Skye	Duntulim ..	.. 9 9 9	294	45.5	37.4	41.5	-	54	15	27	7	-	-	65	2.54	-	.61	30	17	13	3	1	1	0	0	12	1	2.86	-	24
Caitness	Wick ..	.. 18-7 7	115	42.3	34.8	38.5	-2.0	56	23	25	5,6	-	-	31	1.22	54	.24	16	15	9	11	5	5	0	3	-	3	-	-	-
Sutherland	Cape Wrath ..	.. 18-7 7	367	40.8	36.6	38.7	-	50	15	(26)	(6)	-	-	47	1.87	-	.28	16,17	18	12	9	5	3	0	0	9	2	-	-	-
Ross & Cromarty	Achnashellach ..	.. 9 9 9	225	47.1	33.1	40.1	-0.8	57	15,31	24	8	-	-	53	2.07	29	.37	16	15	11	6	3	0	0	0	-	1	-	-	-
	Fortrose ..	.. 9 9 9	69	46.1	33.6	39.9	-1.0	59	23	22	8	-	-	17	.69	-	.31	16	12	6	2	2	1	0	0	-	1	3.09	82	26
Inverness	Dalwhinnie ..	18-7 7	1176	40.2	28.1	34.1	-	54	23	19	1	-	-	39	1.54	-	.46	31	15	10	8	15	0	0	0	21	2	2.27	-	198
	Ft. Augustus %	9 9 9	68	47.3	32.9	40.1	0.0	59	23	19	12	-	-	23	.92	25	.34	31	8	3	0	0	0	0	-	2	2.47	77	218	
	Ft. William ..	.. 9 9 9	34	46.7	34.5	40.6	-0.1	55	23	24	10,12	39.3	341.0	72	2.84	42	1.07	31	14	12	3	2	0	0	11	0	2.39	85	208	
	Inverness %	9 9 9	242	45.4	33.6	39.5	-1.2	56	22	21	8	-	-	14	.55	25	.24	16	10	5	8	3	0	0	14	0	3.13	84	27	
	Onich ..	.. 9 9 9	48	46.8	34.0	40.4	-	54	15,23	26	10,12,26	-	-	75	2.94	47	.57	31	18	15	5	7	0	0	17	0	2.67	82	238	
1 SCOTLAND, E.																														
Nairn	Nairn ..	% 9 9 9	20	46.0	33.9	39.9	-0.4	60	31	20	8	-	-	16	.64	34	.34	16	11	4	8	3	1	0	0	21	0	3.38	91	29
Moray	Forres ..	.. 9 9 9	155	46.8	33.7	40.3	-	62	31	22	6,8	-	-	23	.91	-	.21	9	10	7	2	9	0	0	14	0	3.03	-	26	
	Gordon Castle ..	.. 2121 9	104	45.8	33.5	39.7	-0.8	58	23,24,31	20	8	-	-	26	1.02	44	.30	16	9	7	3	4	1	0	-	-	2.58	71	228	
Banff	Banff ..	.. 9 9 9	130	43.3	34.6	38.9	-1.9	56	24	23	8	-	-	30	1.19	59	.17	8	16	11	9	3	1	0	14	0	2.68	74	238	
Aberdeen	Aberdeen %	242424	79	42.8	34.8	38.8	-1.5	60	24	25	5	36.9	37.7	25	1.00	41	.27	18	12	5	13	1	0	0	4	14	0	2.31	66	20
		18-7 -	-	43.1	34.4	38.7	-2.6																							
	Balmoral ..	.. 9 9 9	927	40.9	27.0	33.9	-2.7	54	23,24,31	5	8	-	-	20	.77	27	.18	5	15	7	7	21	0	0	-	24	1	-	-	-
	Braemar ..	.. 2121 9	1111	40.6	25.2	32.9	-3.4	54	23,24	-3	8	-	-	47	1.85	62	.34	16	17	12	11	20	0	0	0	22	-	1.64	-	148
	Craibstone ..	.. 9 9 9	300	42.9	32.6	37.7	-2.6	60	24	22	8	36.5	37.5	26	1.01	39	.28	16	15	9	6	13	0	0	-	17	-	2.59	67	22
	Tarland ..	.. 9 9 9	540	42.2	29.1	35.7	-	59	23	8	8	-	-	32	1.27	-	.42	5	16	7	10	21	0	0	-	0	-	-	-	-
Kincardine	Stonehaven ..	.. 9 9 9	12	45.2	30.8	38.0	-	63	24	21	8	-	-	27	1.05	-	.37	16	14	6	1	3	0	0	1	-	0	2.52	-	22
Angus	Arbroath ..	.. 9 9 9	93	44.8	33.2	39.0	-1.7	60	24	24	1	-	-	52	2.04	106	.62	16	10	9	5	6	3	0	0	18	0	2.47	61	21
	Carnoustie ..	.. 9 9 9	39																											
	Dundee ..	% 9 9 9	147	44.5	31.8	38.1	-2.4	60	24	24	8,10,12	36.4	-	33	1.32	71	.49	16	13	8	6	11	0	0	-	21	0	2.74	82	23
	Kettins ..	.. 9 9 9	218	43.4	30.4	36.9	-2.9	58	23,24	10	8	35.7	-	52	2.03	84	.41	16	16	12	8	13	2	0	4	19	0	-	-	-
	Montrose ..	.. 9 9 9	16	43.3	33.3	38.3	-2.4	61	24	21	8	-	-	35	1.37	-	.56	16	14	6	5	5	2	0	2	-	3	2.38	66	20
Perth	Perth ..	.. 9 9 9	76	46.0	31.6	38.8	-1.9	61	23,24	16	8	-	-	46	1.81	73	(.34)(5)	17	12	8	11	0	0	-	-	0	2.59	75	228	
Fife	Cupar ..	.. 9 9 9	210	44.8	32.6	38.7	-2.0	60	24	20	8	-	-	50	1.98	-	.40	14,16	14	11	3	17	0	0	-	-	0	-	-	-
	Dunfermline ..	.. 9 9 9	237	44.9	33.3	39.1	-	59	23	23	8	38.1	39.2	38	1.49	-	.44	16	14	11	6	5	0	0	2	17	0	2.63	-	22
	Kirkcaldy ..	.. 9 9 9	137	46.4	32.4	39.4	-2.2	60	24	18	8	-	-	38	1.49	-	.47	16	15	11	2	7	0	0	-	0	2.69	-	23	
	Leuchars ..	18-7 7	36	44.9	34.6	39.7	-1.6	59	23,24	22	8	-	-	36	1.41	72	.34	16	13	6	6	6	0	0	5	13	1	3.14	81	27
	Lundin Links ..	.. 9 9 9	40	(46.5)	(32.4)	(39.5)	-	(60)	(24)	21	7,9	-	-	45	1.77	-	.57	16	14	8	(4)	(4)	0	0	-	-	-	2.90	-	25
	St. Andrews ..	.. 9 9 9	13	44.7	33.0	38.9	-2.0	60	23,24	25	12	37.3	39.4	66	2.61	125	.65	5	14	11	10	4	0	0	0	14	0	3.24	87	28
	Mid Lothian	Balerno 9 9 9	750	43.6	32.2	37.9	-	56	23,24	20	8	-	-	71	2.81	-	.76	6	15	12	5	6	0	0	3	18	0	3.07	-	26
Edinburgh--																														
Blackford H. %		2121 9	441	44.1	34.2	39.1	-1.2	58	24	24	5,12	-	-	25	.97	49	.20	18	13	7	6	4	0	0	10	14	1	3.20	89	27
Botanic Garden		.. 9 9 9	74	45.9	32.9	39.4	-	59	17,24	22	8	-	-	28	1.10	-	.20	14	13	8	3	4	0	0	6	20	-	2.98	-	25
Univ. King's B.		.. 9 9 9	225	45.3	33.6	39.5	-	59	23,24,31	21	3	38.4	39.7	27	1.07	-	.18	16	13	10	-	-	-	-	-	-	-	-	-	-
Boghall ..		.. 9 9 9	639	44.3	32.2	38.3	-1.8	57	23,24	19	8	36.9	38.1	31	1.22	-	.32	18	15	8	6	8	0	1	2	18	-	2.44	68	21
Liberton ..		.. 9 9 9	190	45.4	33.0	39.2	-	58	24,31	20	8	-	-	29	1.15	-	.20	18	14	8	6	4	1	0	-	-	-	-	-	-
Roslin ..	.. 9 9 9	550	44.8	31.6	38.2	-	58	23	16	8	36.9	-	57	2.26	-	.58	5	18	10	6	11	0	1	0	17	0	2.92	-	25	
E. Lothian	Dunbar ..	.. 9 9 9	75	45.2	33.2	39.2	-	58	24,30,31	26	10	-	-	14	.56	-	.18	6	9	7	6	6	0	0	1	16	0	2.69	-	23
	N. Berwick ..	.. 9 9 9	118	45.1	32.6	38.9	-2.8	57	24,31	17	8	-	-	22	.88	49	.27	15	15	6	5	11	0	0	2	18	0	2.68	68	23
Berwick	Marchmont %	9 9 9	498	45.4	31.3	38.3	-1.2	61	24	20	8,12	-	-	49	1.91	72	.39	14	16	10	3	16	0	0	-	-	0	2.52	76	218
	St. Abb's Head	18-7 7	280	43.5	35.3	39.4	-	59	24	25	6	-	-	21	.82	-	.32	16	14	6	6	11	0	0	3	-	0	-	-	-
Peebles	Peebles ..	.. 9 9 9	-	45.2	30.3	37.7	-	59	23	13	8	-	-	34	1.33	-	.27	5	13	8	7	7	0	0	0	18	0	2.48	-	21
	West Linton ..	.. 9 9 9	820	43.8	30.1	36.9	-0.8	57	23	13	8	36.2	38.5	58	2.28	-	.60	18	13	8	5	14	0	1	13	19	0	-	-	-
Roxburgh	Kelso (Br'ml'ds)	9 9 9	193	45.9	31.5	38.7	-1.8	62	23,24	19	9	-	-	33	1.32	68	.23	15	11	11	4	8	0	0	1	-	-	-	-	-
	Wolfelee																													

¶§. § See Notes on Tables in Annual Summary.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage					
				A Max.	B Min.		Maximum	Date	Minimum	Date		Amount	Date											of Average	of Poss- ible				
				Max. Min. Rain	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	-0.01 in (0.2 mm) or more	-0.01 in (1.0 mm) or more	Snow	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	hr	%	%		
6a SCOTLAND, W.																													
Argyll	Ardtornish ..	2121 9	48	46.9	33.0	39.9	-1.4	58	23	24	10	-	-	116	4.56	-	.97	15	13	13	1	0	0	0	-	18	0	-	-
	Colonsay ..	9 9 9	87	46.8	34.0	40.4	-	56	3,30	25	6	-	-	66	2.61	-	.37	30	18	13	-	-	-	-	-	-	-	-	-
	Dunoon (Benmore) ..	9 9 9	46	45.0	32.0	38.5	-	59	23	21	10	37.1	37.0	186	7.31	-	1.40	4	21	19	8	10	0	0	4	18	0	2.19	19S
	Dunoon ..	9 9 9	132	43.6	32.4	38.0	-	57	24	21	8	-	-	125	4.94	-	1.10	4	14	13	4	11	0	0	6	14	-	2.79	24
	Glenbranter ..	9 9 9	120	46.3	32.5	39.4	-1.7	58	23	20	10	-	-	154	6.05	-	1.50	4	15	15	5	11	0	0	0	14	-	-	-
	Oban ..	9 9 9	229	46.0	34.4	40.2	-	55	22,23,30	23	5	-	-	71	2.80	-	.50	16,31	14	12	7	1	0	0	1	12	0	2.85	78
	Tiree ..	18-7 7	24	44.9	38.3	41.6	-1.3	53	17,23	27	6	-	-	59	2.32	69	.43	30	17	12	4	2	0	0	0	-	0	3.59	92
Bute	Rothsay ..	2121 9	200	44.5	33.4	38.9	-2.4	55	23	24	5,7	38.9	40.1	92	3.63	101	.86	16	18	16	5	6	0	0	4	12	0	2.90	87
Dumbarton	Cardross ..	9 9 9	130	44.8	33.2	39.8	-1.7	58	23	26	7,8,10	-	-	120	4.74	-	-	-	21	15	4	10	0	0	0	-	0	2.43	78
	Helensburgh ..	9 9 9	293	43.5	31.8	37.7	-3.3	58	23,24	22	10	-	-	135	5.33	130	.95	4	21	17	5	9	0	1	5	-	0	2.56	84
Stirling	Balfour ..	9 9 9	342	43.8	31.6	37.7	-	56	24	21	8	-	-	122	4.80	-	.92	4	20	16	8	5	0	0	0	-	-	-	-
	Stirling ..	9 9 9	151	44.7	33.6	39.1	-2.6	59	23	24	12	36.6	38.2	65	2.55	-	.82	16	11	11	6	4	0	1	2	15	-	2.40	71
Renfrew	Greenock ..	9 9 9	199	44.4	34.4	39.4	-1.5	57	23	27	6,10,12	-	-	122	4.80	103	1.13	4	20	17	5	10	0	1	22	10	0	2.62	-
	Paisley ..	2121 9	106	45.7	34.7	40.2	-1.6	58	23,24	26	12	38.7	41.2	67	2.63	83	.33	16,18	19	14	6	5	0	0	3	14	0	2.06	65
	Renfrew ..	18-7 7	19	45.7	34.2	39.9	-1.4	59	23	24	10	-	-	69	2.70	96	.47	6	20	15	6	4	0	0	6	13	0	2.29	75
	(Abbotsinch)																												
Lanark	Carlisle ..	9 9 9	534	44.8	33.3	39.1	-	58	22	24	6	-	-	44	1.74	-	.61	31	17	8	7	4	0	0	0	17	0	2.90	-
	Dungavel ..	9 9 9	798	44.4	31.3	37.9	-0.2	56	22	20	6	-	-	65	2.54	-	.74	4	17	13	6	4	0	0	0	15	0	-	-
	Glasgow ..	9 9 9	351	44.9	31.5	38.2	-	58	23,24	24	10,12	-	-	58	2.27	-	.37	4,16	18	17	5	5	0	0	-	23	-	2.30	20
(Springb'n Park)																													
Ayr	Auchincruive ..	9 9 9	89	47.7	34.7	41.2	-	58	18,24	24	11	40.1	41.1	41	1.63	-	.27	16	19	11	3	3	0	0	0	15	0	3.36	-
	Ayr ..	9 9 9	43	47.1	34.4	40.7	-	54	18,31	26	5,6,11	-	-	44	1.73	-	.31	31	14	12	3	0	0	0	0	14	0	3.37	-
	Colmonell ..	9 9 9	170	47.0	33.6	40.3	-1.3	58	24	23	10,11	-	-	75	2.97	88	.80	3	22	17	3	0	0	1	0	15	0	-	-
	Kilmarnock ..	9 9 9	130	47.9	34.3	41.1	-0.1	59	22	26	6,11	39.4	41.0	46	1.81	-	.38	31	17	13	4	3	0	0	0	12	0	3.04	93
	Prestwick ..	9 9 9	17	47.5	35.5	41.5	-	57	18	26	6,11,26	-	-	43	1.68	-	.36	4	13	10	3	3	0	0	1	14	0	3.45	-
	Troon ..	9 9 9	15	46.0	35.0	40.5	-	52	18,22	26	6	-	-	50	1.97	-	.38	16	16	13	3	3	0	0	1	11	0	3.18	-
	Turnberry ..	9 9 9	30	48.1	36.5	42.3	+0.2	59	18	27	6	-	-	51	2.00	82	.52	31	17	12	3	1	0	0	0	-	0	3.42	92
Dumfries	Dumfries ..	9 9 9	140	45.9	33.1	39.5	-1.4	59	24	25	6,7	38.5	39.4	117	4.62	155	1.04	4	18	13	6	6	2	0	5	17	-	2.77	81
	Eskdalemuir ..	242424	794	42.6	29.5	36.1	-1.6	57	24	19	12	37.2	39.7	119	4.69	96	.82	31	17	13	10	15	0	1	9	20	0	2.92	92
	18-7 -			42.8	30.5	36.7	-1.8																						
	Ruthwell ..	2121 9	67	46.9	32.3	39.6	-1.3	59	18	24	5,11	-	-	95	3.73	-	1.21	4	13	11	3	(4)	0	0	-	-	0	2.99	85
Kirkcudbright	Glenlee ..	9 9 9	181	45.7	32.3	39.0	-	60	24	20	11	-	-	113	4.43	-	1.08	16	22	13	8	5	0	0	4	13	0	-	-
Wigtown	Newton Stewart	9 9 9	75	45.8	33.8	39.8	-	55	23	24	11	-	-	107	4.20	-	.78	16	18	15	3	4	0	0	2	-	0	-	-
ISLE OF MAN																													
Isle of Man	Douglas ..	9 9 9	284	44.6	36.3	40.5	-1.4	58	24	27	6,7	-	-	101	4.00	135	.71	3	20	14	2	2	0	0	7	10	0	2.01	48
	Point of Ayre ..	18-7 7	30	45.7	37.3	41.5	-	59	30	28	6	-	-	76	2.98	-	.62	16	18	13	4	2	0	0	4	-	0	2.39	20
ENGLAND AND WALES																													
Northum-berland	Berwick-on-T. ..	9 9 9	76	44.6	34.5	39.5	-1.8	62	24	23	8	-	-	17	.67	36	.16	14	10	5	5	4	2	0	2	10	0	2.95	72
	Bellingham ..	9 9 9	849	43.6	29.9	36.7	-1.6	59	23	20	8,12	-	-	49	1.91	65	.32	5	17	12	8	18	0	0	5	-	-	-	-
	Cockle Park ..	2121 9	325	47.7	32.7	40.2	+0.5	59	23,25	23	8	37.1	38.4	15	.61	26	.17	31	10	5	3	2	0	0	1	15	0	2.94	80
	Newcastle ..	9 9 9	290	47.4	32.6	40.0	-	65	24	22	8	-	-	29	1.15	-	.36	5	10	7	4	15	0	0	-	7	-	-	-
	Tynemouth ..	18-7 7	108	44.3	36.0	40.1	-2.2	60	24	28	5,6	-	-	15	.58	32	.15	17	12	5	3	5	0	0	2	7	3	3.03	-
Durham	Chopwellwood ..	9 9 9	446	45.4	32.4	38.9	-1.0	61	24	23	8,12	-	-	32	1.25	53	.61	6	12	7	2	12	0	0	0	17	-	2.43	71
	Durham ..	2121 9	336	45.6	30.9	38.3	-1.7	64	24	22	10	-	-	27	1.07	58	.27	1	15	7	-	-	-	5	17	0	2.51	73	
	Houghall ..	9 9 9	160	46.0	31.5	38.7	-2.4	63	24	20	10	-	-	30	1.18	-	.36	5	12	9	3	6	1	0	3	17	0	2.16	64
	Ushaw College ..	9 9 9	594	44.0	32.5	38.3	-1.6	65	24	23	8	-	-	37	1.46	66	.40	7	16	8	4	11	0	0	21	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	45.3	32.9	39.1	-1.5	62	24	23	8	-	-	58	2.29	-	.49	18	11	11	3	5	0	2	9	16	-	2.26	-
	Castleton ..	9 9 9	450	44.3	30.8	37.5	-	62	24	18	8,12	37.4	-	25	.99	-	.26	5	12	9	3	7	0	0	1	17	-	-	-
	Catterick ..	18-7 7	175	44.5	33.6	39.1	-	63	24	24	8,12	-	-	61	2.40	-	1.12	4	14	9	6	6	2	1	17	16	0	2.21	-
	Redcar ..	9 9 9	25	45.4	35.2	40.3	-	64	24	25	12	-	-	21	.81	-	.33	1	10	7	-	-	-	15	-	-	2.28	-	
	Scarborough ..	9 9 9	118	45.5	35.7	40.6	-2.1	60	24,25	27	6,7	-	39.6	15	.60	33	.13	5	10	7	4	2	0	0	0	10	0	2.42	67
	Whitby ..	9 9 9	148																										
York	..	9 9 9	57	45.7	34.5	40.1	-2.0	60	17	26	8	38.6	40.1	36	1.41	84	.54	4	12	10	3	5	0	2	-	-	0		

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942 . . .

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			Per cent- age of Aver- age	Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	of Aver- age	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				A Max.	B Min.		Maximum	Date	Minimum	Date	1 ft	4 ft	mm	in	%	in	-0.1in (0.2mm) or more										-0.1in (1.0mm) or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

† See Notes on Tables in Annual Summary.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942

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						Total Fall	Per cent- age of Average	Most in a day	Precip'n 0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Aver- age	of Poss- ible			
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft																		
4 MID COUNTIES—cont.		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in											hr	%	%			
Stafford	Market Drayton	9 9 9	581	46.0	33.7	39.9	—	60	24	24	6.7	—	—	54	2.13	—	.52	4	15	10	3	5	0	0	8	16	—	2.10	—	18	
	Mayfield ..	9 9 9	374	45.5	33.1	39.3	-1.0	60	24	18	8	—	—	52	2.04	80	.78	4	13	9	3	5	0	0	—	16	—	1.45	43	12S	
Shropshire	Newport ..	9 9 9	211	47.2	32.4	39.8	—	62	24	22	9	—	—	46	1.83	101	.45	4	18	9	5	5	0	0	1	18	—	1.78	—	15	
	Shrewsbury	9 9 9	184	48.3	34.8	41.5	-0.4	61	24	25	7	40.2	41.2	43	1.70	—	.38	4	12	11	3	5	0	0	4	15	0	1.81	—	15	
Worcester	Droitwich	9 9 9	106	48.2	34.5	41.3	—	61	25	20	8	—	—	45	1.76	—	.48	4	11	8	2	3	0	0	4	—	—	2.00	—	17	
	Malvern ..	9 9 9	380	47.4	35.4	41.4	-1.2	60	25	23	7	38.8	39.2	58	2.27	112	.55	4	14	8	1	3	0	0	15	19	—	2.08	55	18	
Worcester	Prestwood	9 9 9	260	47.9	34.8	41.3	—	62	25	25	7	—	—	44	1.72	—	.56	4	11	8	2	4	1	0	7	14	—	—	—	—	
	Worcester (Perdiswell)	9 9 9	94	49.1	34.9	42.0	-0.6	61	25	24	8	—	—	48	1.89	—	.52	4	11	8	2	3	0	0	—	16	—	1.87	—	16	
Hereford	Bromyard	9 9 9	393	47.4	34.3	40.9	-0.8	62	25	20	9	39.1	40.1	60	2.36	—	.40	4	13	10	2	4	0	0	14	17	—	—	—	—	
	Hereford	9 9 9	292	48.3	35.0	41.7	-0.2	61	25	24	7	—	—	80	3.16	160	.31	7	17	17	—	—	—	—	9	12	—	—	—	—	
Gloucester	Ross-on-Wye	9 9 9	223	48.7	36.8	42.7	-0.5	61	25	25	7	41.3	41.2	65	2.54	125	.54	16	13	10	2	3	0	0	8	13	0	2.15	58	18	
	Cheltenham	2121 9	214	49.8	35.9	42.9	0.0	60	15	25	7,8	40.9	40.6	44	1.75	92	.45	4	14	9	2	4	0	2	5	13	0	1.69	45	14	
Gloucester	Parkend ..	9 9 9	325	49.4	34.2	41.8	—	58	14	23	7,8,9	39.9	40.0	77	3.02	—	.75	16	12	12	1	3	0	1	2	15	—	2.15	—	18	
	Stonehouse	9 9 9	150	50.4	36.1	43.3	—	62	25	26	7	—	—	68	2.66	—	.46	4	14	10	1	1	0	2	4	15	—	—	—	—	
5 ENGLAND, S.E.																															
London	City, Bunhill Row..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Camden Square ..	9 9 9	110	49.0	36.4	42.7	-1.0	64	25	25	7	39.5	40.1	51	2.00	109	.33	4	14	9	1	0	0	0	—	17	—	—	—	—	
London	East Ham ..	9 9 9	15	48.8	35.9	42.3	-0.6	62	14,25	25	7	—	—	50	1.98	120	.39	3,16	12	11	—	—	—	—	—	—	—	—	—	—	—
	Enfield ..	9 9 9	87	48.4	34.6	41.5	-1.6	62	25	23	8	—	—	52	2.06	112	.40	19	14	10	1	0	0	1	10	17	—	2.45	68	21	
London	Greenwich ..	2424 9	149	48.6	35.0	41.8	-1.3	62	14,25	24	8	40.3	41.1	54	2.13	123	.42	4	14	10	2	0	0	1	7	17	0	2.65	77	22	
	Hampstead ..	9 9 9	450	46.8	33.0	39.9	-2.0	61	25	21	7	—	—	47	1.87	—	.31	4	14	11	3	4	0	1	—	21	—	2.37	67	20	
London	Kensington	18-9 9	80	49.4	37.2	43.3	-1.2	63	25	25	8	45.9	46.6	51	2.03	111	.34	4	14	8	1	0	0	0	—	12	0	—	—	—	
	Kingsway ..	9 9 9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
London	Regent's Park	9 9 9	129	48.8	36.4	42.6	—	63	25	24	8	—	—	53	2.08	—	.37	16	13	11	0	0	0	0	14	13	—	—	—	—	
	Kew	2424 24	18	48.0	36.0	42.0	-1.1	61	14	25	8	39.9	40.8	42	1.66	98	.54	4	11	9	2	0	1	1	5	16	0	2.24	64	19	
London	Observatory ..	18-7 -	—	47.9	36.6	42.3	-1.6	63	25	24	7	39.7	—	54	2.14	—	.49	19	14	10	0	0	0	1	5	18	0	2.44	—	21	
	Southgate ..	9 9 9	221	48.3	35.0	41.7	—	63	25	25	6	—	41.4	53	2.09	120	.38	4	13	10	1	—	0	0	—	11	—	2.58	80	22	
London	Tottenham	2121 9	54	49.3	36.6	42.9	-0.8	63	25	25	6	—	—	45	1.76	93	.34	4	13	11	1	0	0	0	7	11	0	—	—	—	
	Wealdstone ..	9 9 9	195	49.3	35.5	42.4	—	64	25	24	7	—	—	45	1.76	93	.34	4	13	11	1	0	0	0	7	11	0	—	—	—	
London	Westminster	9 9 9	27	49.3	37.4	43.3	-0.8	63	14	27	8	—	—	53	2.10	129	.36	4	11	10	1	—	0	0	—	7	—	2.02	68	17	
Surrey	Addington ..	9 9 9	475	48.0	33.0	40.5	-1.2	59	14,25,26	23	7	—	—	53	2.08	—	.63	16	12	10	—	—	—	—	5	—	—	—	—	—	
	Croydon ..	18-7 7	217	48.6	35.5	42.1	-1.4	63	14	25	7	—	—	53	2.09	103	.50	16	12	10	2	3	0	0	3	12	0	3.06	78	26	
Surrey	Farnham ..	9 9 9	260	50.7	34.6	42.7	—	64	26	19	8	—	—	49	1.93	—	.42	16	17	14	1	0	0	0	14	16	—	—	—	—	
	Milford ..	9 9 9	180	50.7	33.7	42.2	—	65	25	15	8	—	—	56	2.20	—	.48	16	15	13	1	0	0	1	3	16	—	3.30	—	28	
Surrey	Wisley ..	9 9 9	150	49.6	35.3	42.5	-0.2	64	25	25	7,8	41.5	41.0	37	1.44	75	.28	16	16	12	1	0	0	0	5	16	0	2.84	77	24S	
Kent	Biggin Hill ..	18-7 7	567	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Bromley ..	9 9 9	213	49.7	35.5	42.6	—	62	25	25	7,18	—	—	57	2.23	121	.66	16	14	9	0	0	0	0	3	15	—	—	—	—	
Kent	Canterbury ..	9 9 9	135	48.4	34.8	41.6	-1.5	63	25	21	8	40.0	39.7	55	2.17	—	.70	16	12	9	—	—	—	—	—	13	—	—	—	—	
	Deal ..	9 9 9	25	46.2	35.2	40.7	-2.7	58	15,17	23	8	40.6	41.4	53	2.09	—	.53	16	11	10	0	2	0	0	2	14	—	3.85	84	33	
Kent	Dover ..	9 9 9	19	46.0	33.6	39.8	-2.9	58	14,25	18	8	—	—	66	2.60	124	.45	16	12	10	2	1	0	0	—	—	—	—	—	—	
	Dungeness ..	18-7 7	20	45.0	34.2	39.6	-3.1	59	26	26	7,8	—	—	55	2.15	122	.40	16	13	9	1	—	0	0	—	—	—	—	—	—	
Kent	East Malling	9 9 9	132	47.7	34.6	41.1	-1.4	62	25	22	8	—	—	63	2.50	—	.65	16	11	9	1	0	0	1	2	17	0	3.02	71	26	
	Goudhurst ..	9 9 9	290	48.7	33.9	41.3	—	62	25	23	8	—	—	84	3.32	—	.87	16	14	9	0	0	0	2	4	20	—	—	—	—	
Kent	Lympne ..	18-7 7	346	45.6	35.3	40.5	-1.4	56	15	22	8	—	—	63	2.48	116	.63	16	13	9	2	0	1	1	9	12	0	3.93	83	33	
	Manston ..	18-7 7	154	45.1	35.3	40.2	—	59	15,25	24	8	—	—	54	2.13	—	.46	4	13	8	3	2	0	0	6	15	0	4.04	—	34	
Kent	Ramsgate ..	9 9 9	80	43.6	35.7	39.7	-3.2	56	15	28	6,7,8	—	—	52	2.06	—	.43	16	10	9	3	0	0	0	—	—	—	4.15	96	35	
	Tunbridge W.	9 9 9	351	48.5	33.6	41.1	-1.0	63	25	19	8	39																			

WEATHER OF THE DAY

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942

TABLE 111 (continued)—Summary of Observations of Temperature, Rainfall, and Weather																															
DISTRICT, COUNTY AND PLACE			Terminal Hour 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	Per cent- age of Average			Most in a day	Precip'n 0.1 in (0.2 mm) or more 0.01 in (0.02 mm) or more Snow	Snow lying	Hail	Thunderstorm	Fog (Morning Obs.)	Ground Frost	Gale	Percentage								
					A Max.	B Min.		Maximum	Date	Minimum			Date	1 ft									4 ft	Daily Mean	of Average	of Poss- ible					
5 ENGLAND, S.E.—cont.																															
I. of Wight	Newport ..	9 9 9	48	50.3	36.9	43.6	+0.1	63	25	22	8	-	-	88	3.48	-	.65	30	15	12	0	0	0	0	4	12	-	-	-	-	-
	Ryde ..	9 9 9	13	47.8	37.2	42.5	-1.2	59	25	26	7	-	-	69	2.72	-	.51	3	14	10	0	0	0	0	-	0	2.88	68	24	-	-
	St. Catherine's Point	18-7 7	150	46.3	38.2	42.3	-	53	23,25	25	7	-	-	73	2.89	-	.46	4	12	12	0	-	0	0	5	-	0	-	-	-	-
	Sandown ..	9 9 9	13	46.9	37.5	42.2	-1.7	55	19	26	7	-	-	69	2.70	-	.65	3	14	13	0	0	0	0	0	-	-	3.14	68	27	-
	Totland Bay ..	9 9 9	140	47.3	37.1	42.2	-1.1	58	25	26	7	-	-	73	2.87	137	.51	3	14	11	0	0	0	0	6	9	0	3.03	67	26	-
Wiltshire	Ventnor(Hospital)	9 9 9	60	47.7	38.5	43.1	-1.2	55	23	26	7	-	-	76	2.98	145	.64	3	14	13	1	0	0	0	-	-	0	3.40	72	29	-
	Amesbury (Boscombe Down)	18-7 7	417	48.5	35.5	42.0	-	62	25	23	7	-	-	46	1.81	-	.41	16	16	11	2	0	0	0	4	12	0	2.40	-	20	-
	Larkhill ..	9 9 9	440	48.2	34.9	41.5	-0.6	62	25	23	10	-	-	50	1.97	100	.51	16	15	9	2	0	0	0	5	13	0	-	-	-	-
	Marlboro' †	9 9 9	424	49.4	34.0	41.7	+0.5	63	25	23	27	41.1	41.9	52	2.06	83	.46	16	14	10	0	3	0	0	4	16	0	2.4	70	20	-
	Porton ..	9 9 9	363	49.4	34.8	42.1	+0.2	63	25	23	7,8	39.9	-	46	1.82	92	.44	16	16	11	1	0	0	0	5	13	0	2.85	77	24	-
7a ENGLAND, N.W.																															
Cumberland	Keswick ..	9 9 9	254	47.9	34.8	41.3	-0.2	59	24	26	5	38.3	39.6	77	3.02	67	.75	7	12	10	4	3	0	0	0	15	0	2.51	75	21	-
	Newton Rigg †	2121 9	560	46.4	32.0	39.2	-0.5	61	24	24	6,7	-	-	49	1.91	68	.67	5	12	8	4	0	0	0	2	18	0	2.32	67	19	-
Westmorland	Ambleside ..	9 9 9	145	47.6	33.4	40.5	-	62	24	23	10	-	-	137	5.39	-	1.05	4	18	15	6	10	0	0	5	-	-	2.91	-	25	-
	Appleby ..	9 9 9	440	45.8	32.0	38.9	-1.2	59	24	23	8	-	-	42	1.64	61	.35	7	10	10	4	3	0	0	-	-	-	-	-	-	-
Lancashire	Blackpool ..	9 9 9	65	47.0	34.9	40.9	-1.2	59	14	26	6	39.6	40.1	65	2.57	108	.59	4	17	11	3	4	0	1	5	13	-	2.27	58	19	-
	Bolton ..	9 9 9	342	46.0	34.3	40.1	-1.3	58	24	25	7	36.9	38.2	108	4.24	135	.91	8	18	11	3	6	0	1	-	12	-	1.09	48	9	-
	Burnley ..	9 9 9	458	45.1	33.4	39.3	-0.8	59	24	24	6	36.8	38.5	95	3.74	-	.86	4	16	13	4	6	1	1	10	20	-	-	-	-	-
	Darwen ..	2121 9	724	46.5	35.7	41.1	-	58	14,17	26	6	-	-	51	2.02	-	.43	4	14	14	2	2	0	0	4	15	0	2.49	-	21	-
	Fleetwood ..	9 9 9	21	46.5	35.9	41.7	+0.2	59	14,17	27	6	38.2	39.1	67	2.65	-	.83	8	14	9	5	4	1	0	-	13	0	1.75	52	15	-
	Hutton ..	9 9 9	82	47.6	35.9	41.7	+0.2	59	14,17	27	6	-	-	62	2.44	95	.78	8	15	8	2	2	0	1	27	16	-	-	-	-	-
	Leyland ..	9 9 9	125	47.3	35.0	41.1	-0.5	60	24	26	6	-	-	62	2.44	95	.78	8	15	8	2	2	0	1	27	16	-	-	-	-	-
	Manchester (Burnage)	9 9 9	147	47.5	36.1	41.8	-	59	14, (15)	26	6	-	-	55	2.16	-	.70	4	13	10	4	3	0	0	5	10	-	1.63	-	14	-
	(Whitworth Pk.)	2121 9	125	47.5	36.7	42.1	-0.4	59	14,15	27	6,7	37.6	38.9	72	2.85	126	1.12	4	14	11	5	3	0	0	8	15	0	1.50	62	13	-
	Morecambe ..	9 9 9	23	46.4	35.2	40.8	-0.5	59	14	27	6,7	-	-	53	2.07	74	.55	4	15	9	0	0	0	0	5	-	0	2.65	69	22	-
	Nelson ..	9 9 9	540	47.3	35.4	41.3	-0.7	59	17	26	6	39.3	40.6	69	2.73	122	.88	8	16	10	6	2	0	1	7	9	0	2.14	55	18	-
Southport (Bedford Rd.Pk.) †	9 9 9	377	45.2	34.2	39.7	-1.1	58	24	25	6	-	-	88	3.45	93	.87	8	16	10	7	4	0	2	2	10	0	1.97	60	17	-	
Cheshire	Bidston Obs'y ..	9 9 9	198	46.5	36.1	41.3	-0.8	58	15	26	6,7	-	-	57	2.26	119	.63	8	14	9	-	-	-	-	8	4	0	1.73	50	15	-
	Hoylake ..	9 9 9	23	48.3	35.9	42.1	-0.6	58	15,31	26	7	-	-	63	2.47	133	.63	8	12	11	3	5	0	0	-	12	-	2.03	54	17	-
	Macclesfield ..	9 9 9	500	46.2	35.3	40.7	+0.1	59	15	25	6,7	-	-	48	1.90	72	.46	31	13	9	7	9	0	1	1	-	-	-	-	-	-
	Manchester (Ringway) ..	18-7 7	235	47.2	35.5	41.3	-	61	24	29	6,7	-	-	52	2.04	-	.80	4	12	8	5	4	1	0	4	17	0	-	-	-	-
	Warburton ..	9 9 9	68	47.5	34.3	40.9	-	60	15,24	26	6	-	-	61	2.41	-	.70	4,8	14	19	3	2	0	0	5	18	-	1.65	-	14	-
West Kirby ..	9 9 9	25	47.5	35.2	41.3	-1.5	57	17,24,31	26	6,7	-	-	70	2.75	150	.59	3	15	11	5	4	2	0	0	18	-	1.88	47	16	-	
7b NORTH WALES																															
Flint	Hawarden B'dge	9 9 9	17	48.5	34.8	41.7	-1.2	61	17,24	26	6	-	-	51	2.01	-	.65	8	13	9	0	0	0	1	0	-	-	-	-	-	-
	Prestatyn ..	9 9 9	18	50.5	37.4	43.9	-	60	14	26	6	-	-	50	1.96	-	.59	8	12	12	2	0	0	0	2	-	-	2.19	-	19	-
	Rhyl ..	9 9 9	31	48.7	36.9	42.8	+0.1	59	14,17	26	6	-	-	53	2.08	120	.66	8	13	10	3	2	0	0	0	10	0	2.35	60	20	-
	Sealand .. †	18-7 7	16	48.2	36.6	42.4	-0.2	62	24	27	6,7	40.8	41.5	49	1.94	112	.60	8	11	9	3	2	0	1	8	11	0	1.60	43	14	-
Anglesey	Holyhead †	8 8 8	26	48.0	38.0	43.0	-1.1	60	14	28	2	-	-	79	3.10	118	.69	8	19	12	-	-	-	-	10	-	2.48	62	21	-	-
	Holyhead (Valley)	18-7 7	32	49.4	38.1	43.7	-	60	14	25	2	-	-	83	3.25	-	.96	8	18	14	2	2	1	0	5	8	1	-	-	-	-
Denbigh	Colwyn Bay ..	9 9 9	118	49.8	37.4	43.6	+0.2	60	14	26	6,7	-	-	50	1.97	88	.89	8	15	9	1	3	0	0	1	-	-	2.63	68	22	-
Carnarvon	Aber ..	9 9 9	60	51.2	38.7	44.9	+0.6	59	16,28	28	6	-	-	98	3.87	-	1.79	8	17	11	-	-	-	0	0	8	0	2.73	67	238	-
	Llandudno ..	9 9 9	13	48.8	38.1	43.5	+0.1	60	14	27	6,7	-	-	74	2.93	144	1.44	8	16	9	2	1	0	0	1	11	0	2.48	63	21	-
Merioneth	Bala ..	9 9 9	535	49.0	34.2	41.6	-	66	24	25	7	-	-	68	2.67	-	.45	30	12	10	2	3	0	0	0	-	0	-	-	-	-
Montgomery	Lake Vyrnwy ..	9 9 9	750	48.5	32.7	40.6	-	60	25	22	7	-	-	90	3.55	-	.60	5	18	13	4	6	0	0	3	16	-	-	-	-	-
	Welshpool ..	9 9 9	254	49.4	33.3	41.3	-0.6	59	30	24	1,7	-	-	55	2.18	98	.42	3	15	13	3	4	0	0	3	-	-	-	-	-	-
8a SOUTH WALES																															
Cardigan	Aberporth ..	18-7 7	376	49.5	38.6	44.1	-	60	14	28	2	-	-	58	2.30	-	.47	16	15	13	3	1	0	0	0	11	0	3.80	-	32	-
	Aberystwyth ..	9 9 9	12	50.1	39.5	44.8	+1.9	60	15																						

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MARCH, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	Percentage of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					A Max.	B Min.		Maximum	Date	Minimum	Date		in	4 ft													in	in	in	in	in	in	in	in	in	in	in	in	in	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in

TABLE IV—Summary of Observations at fixed hours

MARCH, 1942

[illegible]

* Mean of hourly readings.

† Pressure at Station Level.

† Mean pressure at Station Level is 971.7 mb.

Mean pressures at Station Level are	984.0	mb. at 7 h.	983.9	mb. at 13 h.	983.7	mb. at 18 h. and	984.2	mb. at 21 h.
-------------------------------------	-------	-------------	-------	--------------	-------	------------------	-------	--------------

TABLE IV (continued)—Summary of Observations at fixed hours

MARCH, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
											0	1	2	3	4	5	6	7	8	9	10	FOG			Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
2 ENGLAND, N.E.—cont.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Lincoln	Cranwell ..	H	1	208	1013.6	-	36.4	0.5	7.1	95	8.3	3	2	0	6	20	1	1	0	2	8	8	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE IV (continued)—Summary of Observations at fixed hours

MARCH, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations						NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
										0	1	2	3	4	5	6	7	8	9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																					0	1	2	3																														4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
5 ENGLAND, S.E.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

TABLE IV (continued)—Summary of Observations at fixed hours

MARCH, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
										0	1	2	3	4	5	6	7	8	9	10	Fog				Mist	Poor Vis.	Med. Vis.	GOOD VISIBILITY			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	1	2	3				4	5	6														7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
8b ENGLAND, S.W.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

TABLE III (a)—SKY OBSERVATIONS, MARCH, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**	
	Number		
Persistently overcast days	8	Recorder in operation on	31 nights
" cloudless "	0	Average exposure (hours)	9.85
" foggy "	0	Polaris unobscured	29 nights
		(per cent.)	33
		δ Ursæ Minoris (ditto)	27

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	
	Cal./cm. ² /diem.
Max. (on 8th)	264
Mean	60.4

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 4.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1412 3

APRIL, 1942.—Unusually sunny; rather mild.

In marked contrast to the first three months of the year, the weather of April was notably sunny. It was also rather warm and the last three weeks were markedly dry. Dry air was a distinguishing feature of the latter half of the month; at 18 h. on the 15th the relative humidity at Boscombe Down was only 14 per cent.

Unsettled conditions prevailed for the first nine or ten days. On the 1st a depression moved east-south-east from the north of Scotland, while a trough of low pressure crossed the British Isles; precipitation, mostly showers, occurred generally and there were local thunderstorms. Gales were reported at a few exposed stations on the 1st and 2nd. By the morning of the 3rd a new disturbance was situated off north-west Ireland and during the day an associated trough moved east-north-east over the British Isles; general rain occurred, which was rather heavy locally. Between the 4th and 9th complex Atlantic depressions moved over the British Isles and weather during this period was very unsettled, with general rain, local thunderstorms and gales at a few exposed places. On the 10th a wedge of high pressure moved eastward across the British Isles and during subsequent days pressure was high eastward of the British Isles and low on the Atlantic. Fair weather prevailed in the east, but there was rain at times in the west.

On the 14th the anticyclone over southern Scandinavia extended its influence westward and for several days dry, sunny weather prevailed generally over these islands with easterly winds and very dry air. On the 19th a shallow depression over the British Isles moved north-east and on the 20th a shallow trough moved south-east over England; weather deteriorated a little and small amounts of rain fell at a few scattered stations, but for the most part fair conditions persisted. On the 22nd and 23rd a trough of low pressure moved south from the north of Scotland; rain occurred in some districts, chiefly in Scotland and northern England. In the rear of the trough an anticyclone moved east-south-east from the north of Scotland and subsequently north-east as a depression north-east of the Azores moved east, and from the 24th onwards fair weather prevailed with strong easterly winds. A little rain occurred locally on the extreme south-west coasts but, for the most part, during this period there was no rain, little cloud and abundant sunshine.

Pressure and Wind.—Broadly speaking, mean pressure somewhat exceeded the average except in the south-west; the deviation at 7 h. ranged from +3.8 mb. at Wick to -3.2 mb. at the Scilly Isles. The map of mean pressure shows the highest pressure eastward of the British Isles and the lowest to the west and winds from an easterly point were more frequent than usual. The month was windier than the average over England and Wales and at 13 h. strong winds were reported on 14 days at Spurn Head, 13 at Cranwell, 12 at Holyhead and the Lizard, and 10 at Larkhill and Plymouth. Gales were registered at one place or another on each of the first 10 days except the 3rd, on the 12th, at Lerwick on the 21st and locally in England on the 25th, 26th, 28th and 29th. Among the highest speeds registered in gusts were 83 m.p.h. at St. Ann's Head, 65 m.p.h. at Manchester (Ringway), and 64 m.p.h. at Cardington on the 1st, 64 m.p.h. at Larkhill on the 9th, 68 m.p.h. at Bidston Observatory on the 10th, and 65 m.p.h. at Manchester (Barton) on the 28th.

Temperature.—Mean temperature exceeded the average, the excess over the country as a whole being rather more than 2°F. The mean daily range of temperature was generally greater than the average, particularly in Scotland. Broadly speaking, the highest day temperatures were registered between the 11th or 12th and the 19th, particularly on the 16th. Low minima were recorded locally at times, especially during the second half of the month.

The extremes for the month were:—(England and Wales) 74°F. at Ambleside on the 16th, 20°F. at Meltham on the 30th; (Scotland) 73°F. at Forres, Tarland, Stirling and Dumfries on the 16th and at Onich on the 17th, 21°F. at Tarland on the 18th, Dalwhinnie on the 26th and Balmoral on the 30th; (Northern Ireland) 69°F. at Armagh on the 16th and 32°F. at Aldergrove on the 4th and at Castlerock, Garvagh and Hillsborough on the 25th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 76 over England and Wales, 75 over Scotland and 94 over Northern Ireland. The distribution was variable; broadly speaking, in Scotland, rather more than the average rainfall occurred over much of the country lying between the Moray Firth and the Solway Firth, while in England and Wales more than the average occurred over an inland area covering mid-Wales and part of the western Midlands as well as locally in the Lake district and south-east England. On the other hand less than 50 per cent. was received over a fairly large area in the north of Scotland, including the Outer Hebrides and the Orkneys, over much of East Anglia and the extreme north-east of England. In Northern Ireland the percentage varied from 65 at Londonderry to 109 at Armagh and Donaghadee. Most of the rain fell during the first nine days and the last three weeks were very dry. By the end of the month an absolute drought had occurred over much of England and Northern Ireland and at many stations in Wigtown and Ayrshire.

Daily falls of 1 in. or more occurred at scattered places on each day from the 1st-9th except the 2nd. Among the largest daily falls were 1.57 in. at Princetown and 1.51 in. at Holne, S. Devon, on the 8th.

Local thunderstorms occurred on the 1st and daily from the 3rd-9th.

In Scotland light falls of snow occurred at some high level stations on the 1st-3rd, 5th, 7th, 9th, 23rd and 24th; on the 3rd the falls extended to Aberdeen, Peebles and the Edinburgh district.

Sunshine.—The most noteworthy feature of the weather of the month was the abundant sunshine enjoyed almost everywhere; it was only at a few places in Devon, Cornwall and the Scilly Isles that stations registered less than the average. Over Scotland as a whole it was easily the sunniest April for many years; for example, at Orkney it was the sunniest April in its long record back to 1880, at Nairn and Kilmarnock the sunniest in records which began in 1907 and 1908 respectively, while at Edinburgh and Marchmont it was the sunniest since 1914. Records at widely separated stations in England and in Northern Ireland also show the exceptional nature of the excess. To quote a few: at Nottingham the total was the highest for April since 1909, at Cheltenham since 1912, at Durham since 1914 and at Armagh since 1921, while at Norwich it equalled the previous record in 1912. The number of days with more than 9 hours was unusual; for example, Eskdalemuir 13 (average 4), Aberdeen 11 (average 4), Kew Observatory 10 (average 4).

Fog.—On the whole there was not much fog, but it occurred at times locally, chiefly on the 10th-11th, 13th-14th and 19th-23rd. Fog was thick at times on the south-west coasts of England and Wales on the 10th-11th and 13th-14th.

Miscellaneous Phenomena.—The aurora was observed from some northern stations in Scotland on 16 nights; it was seen as far south as Felixstowe on the 16th. Solar halos were noted at Oxford on 13 days. A complex lunar halo, with arc of contact and mock moons, was observed at Canterbury on the 28th; the arc of contact was almost rainbow hued.

TABLE I—DISTRICT VALUES—

APRIL, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	73	21	+2.4	—	—	56	-6	158	49
Eastern									
1 SCOTLAND, E.	73	21	+1.5	—	—	89	-5	155	50
2 ENGLAND, N.E.	71	24	+1.5	+1.8	-0.1	59	-4	159	52
3 ENGLAND, E.	69	27	+2.0	+0.6	-0.4	61	-5	145	54
4 MIDLAND COUNTIES	69	20	+2.5	+1.3	+0.2	85	-5	147	48
5 ENGLAND, S.E.	69	30	+2.2	+2.1	+0.5	78	-6	141	53

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	73	26	+2.3	+1.1	-0.1	96	-5	139	48
7 ENGLAND, N.W. (and N. Wales)	74	28	+2.5	+1.0	+0.5	75	-4	140	50
8 ENGLAND, S.W. (and S. Wales)	69	31	+2.8	+1.9	+1.1	82	-3	110	42
NORTHERN IRELAND	69	32	+2.3	+2.9	+1.3	95	-5	137	49
MEAN 0, 1, 6	—	—	+2.1	—	—	—	—	151	49
MEAN 2, 3, 4, 5, 7	—	—	+2.3	—	—	—	—	140	50

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

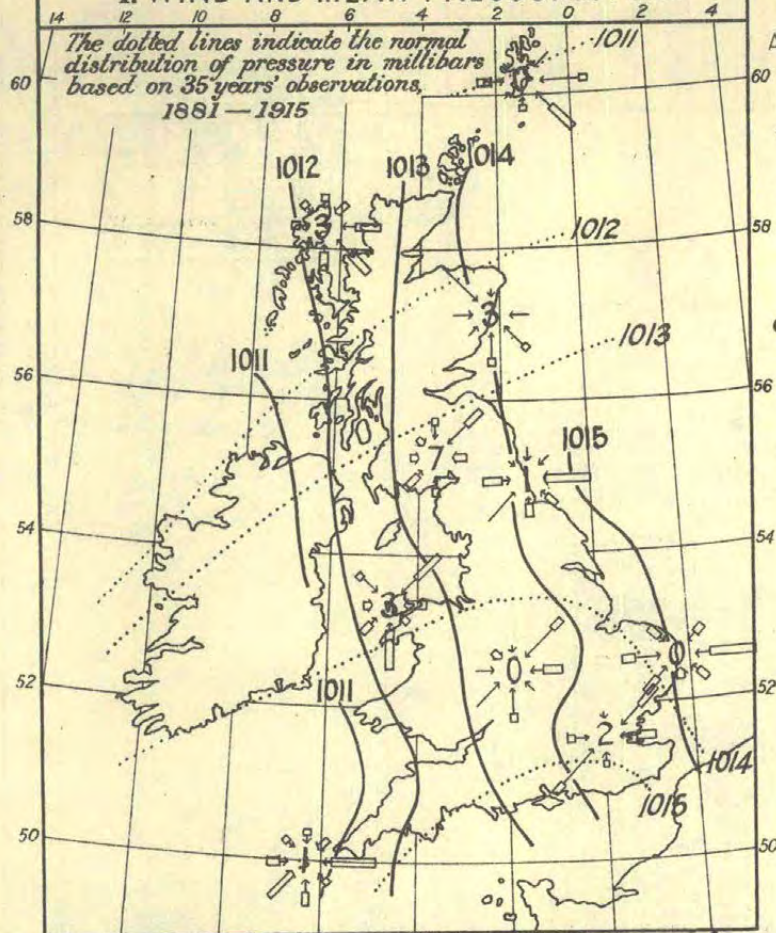
APRIL, 1942

[1914]

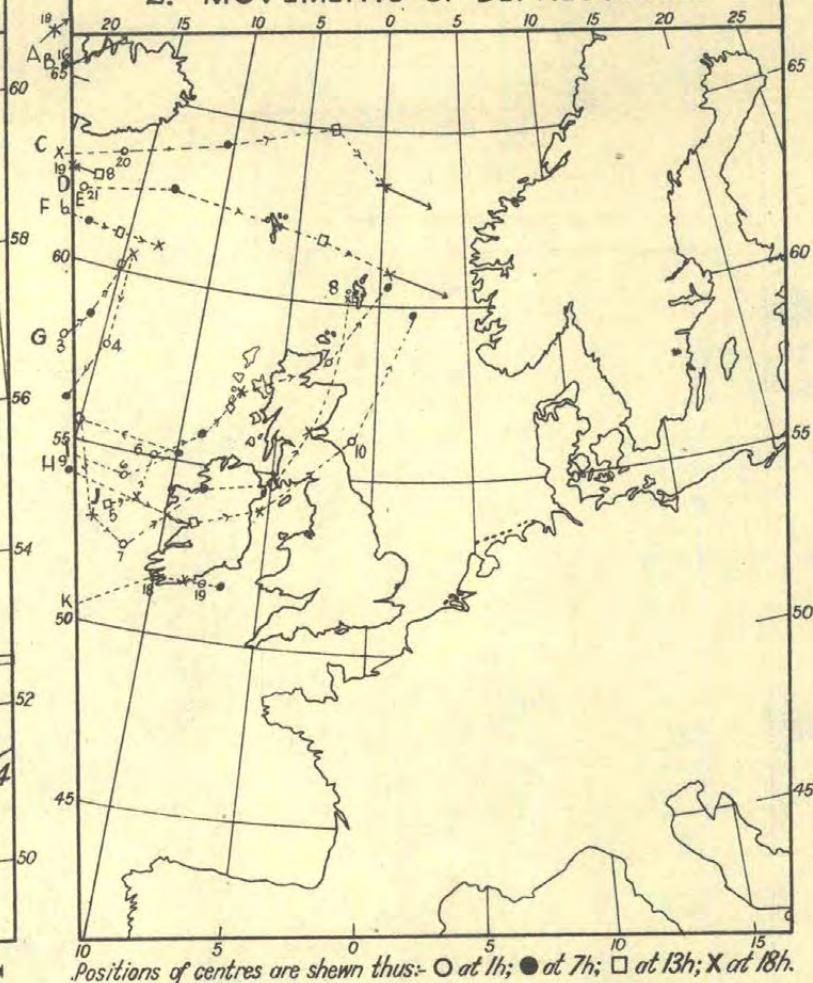
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind			Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time			
												mi/hr	hr		mi/hr	hr	mi/hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.	ft	ft.	ft		hr		hr	hr	hr	hr	hr	*	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
Shetland Lerwick	310	53	39	21	1	8	98	249	322	50	0	230	39	17	21 15	58	26	21	14	50
Orkney Kirkwall	170	40	35	-	0	8	75	282	301	62	0	(150)	38	17	13 01	58	26	12	23	20
Hebrides Stornoway	120	40	36	-	0	13	82	336	254	48	0	300	36	16	1 16	55	25	1	14	45
1 SCOTLAND, E.																				
Aberdeen Aberdeen	120	41	32	-	0	1	1	58	458	203	0	320	25	11	2 01	55	25	2	00	40
Angus Bell Rock Lighthouse	130	—	126	12	6	17	129	372	151	62	0	160	44	20	12 17	55	25	12	15	40
Edinburgh Edinburgh	485	39	23	-	0	3	7	217	372	124	0	200	28	13	6 10	50	22	6	09	30
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	-	0	1	1	150	319	239	11	100	28	13	29 13	43	19	5	16	15
Renfrew Paisley	188	81	31	-	0	0	0	163	439	128	0	60	21	9	29 17	44	20	29	12	15
Renfrew (Abbotsinch)	65	46	34	-	0	1	1	252	341	126	0	300	25	11	2 04	49	22	26	16	05
Dumfries Eskdalemuir	825	50	35	-	0	11	63	226	282	149	0	210	32	14	6 10	52	23	6	09	25
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	-	0	15	96	376	230	18	0	130	34	15	29 11	49	22	9	06	20
2 ENGLAND, N.E.																				
Durham South Shields	73	57	44	-	0	7	34	317	261	108	0	100	27	12	28 24	43	19	1	08	50
Durham	389	53	33	-	0	7	35	287	314	84	0	190	28	13	6 13	55	25	6	12	25
Yorks., N.R. Catterick	220	45	33	-	0	0	0	164	375	181	0	290	24	11	10 13	46	21	1	12	10
Yorks., E.R. Spurn Head	64	42	34	28; 29	9	18	240	305	144	21	1	80	41	18	28 14	58	26	1	12	15
Lincoln Cranwell	284	43	33	-	0	12	98	354	235	33	0	280	35	16	10 10	58	26	1	15	55
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	11	84	325	253	58	0	60	38	17	28 15	58	26	28	14	25
Suffolk Mildenhall	98	83	58	-	0	15	122	342	222	32	0	190	39	17	9 18	64	29	1	11	45
Bedford Cardington	285	150	135	9	2	15	160	340	180	31	0	70	42	19	29 06	51	23	9	18	20
Essex Shoeburyness	115	104	89	29	9	18	160	340	180	31	0	70	42	19	29 06	51	23	9	18	20
4 MIDLAND COUNTIES																				
Leicester Leicester	385	60	33	-	0	7	42	386	257	35	0	70	31	14	28 15	55	25	1	16	35
Warwick Birmingham	643	118	73	-	0	7	42	386	257	35	0	70	31	14	28 15	55	25	1	16	35
5 ENGLAND, S.E.																				
London Southgate	222	30	—	-	0	7	48	319	303	50	0	60	33	15	28 15	56	25	28	14	35
Surrey Kew Observatory	92	75	50	-	0	7	48	319	303	50	0	60	33	15	28 15	56	25	28	14	35
Croydon	313	105	70	-	0	7	48	319	303	50	0	60	33	15	28 15	56	25	28	14	35
Kent Lympne	418	76	48	28	1	13	103	347	215	54	0	60	39	17	28 17	59	26	9	15	35
Manston	199	46	40	-	0	11	83	349	202	86	0	230	35	16	7 16	59	26	9	11	15
Hants Calshot	58	50	42	-	0	14	128	328	213	51	0	230	37	17	9 17	62	28	9	16	15
Wiltshire Boscombe Down	462	45	33	-	0	14	144	307	206	63	0	220	38	17	9 17	64	29	9	16	50
Larkhill	491	51	36	-	0	14	144	307	206	63	0	220	38	17	9 17	64	29	9	16	50
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	6	37	322	262	83	16	80	31	14	28 15	55	25	28	14	30
Manchester (Barton)	153	83	80	28	5	17	136	345	181	53	0	70	41	18	28 17	65	29	28	16	05
Southport	60	42	33	-	0	12	111	331	238	40	0	90	38	17	28 13	52	23	28	16	50
Cheshire Bidston Obs'y.	262	64	39	10	2	13	145	393	157	23	0	270	40	18	9 24	68	30	10	04	45
Manchester (Ringway)	315	80	40	-	0	16	123	357	148	92	0	80	38	17	28 13	65	29	1	14	25
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	25; 26; 28; 29	25	18	189	308	155	43	0	70	47	21	28 09	61	27	28	21	00
Flint Sealand	81	65	42	-	0	3	10	212	332	166	0	80	28	13	29 11	48	21	10	09	15
8a SOUTH WALES																				
Pembroke St. Ann's Head	212	70	—	1; 4; 6; 7; 9; 10; 12; 28	38	20	293	219	166	4	0	270	54	24	1 15	83	37	1	11	20
8b ENGLAND, S.W.																				
Devon Plymouth	185	88	65	-	0	3	16	266	301	137	0	100	30	13	29 13	56	25	29	12	15
Cornwall The Lizard	315	75	60	-	0	3	16	266	301	137	0	100	30	13	29 13	56	25	29	12	15
Pendennis Castle	265	65	42	-	0	3	16	266	301	137	0	100	30	13	29 13	56	25	29	12	15
NORTHERN IRELAND																				
Antrim Aldergrove	328	60	42	-	0	3	16	266	301	137	0	100	30	13	29 13	56	25	29	12	15
SCILLY ISLES																				
St. Mary's	230	65	57	1; 9	15	17	218	270	173	42	2	230	45	20	9 14	58	26	1	17	05

MONTHLY WEATHER CHARTS APRIL 1942

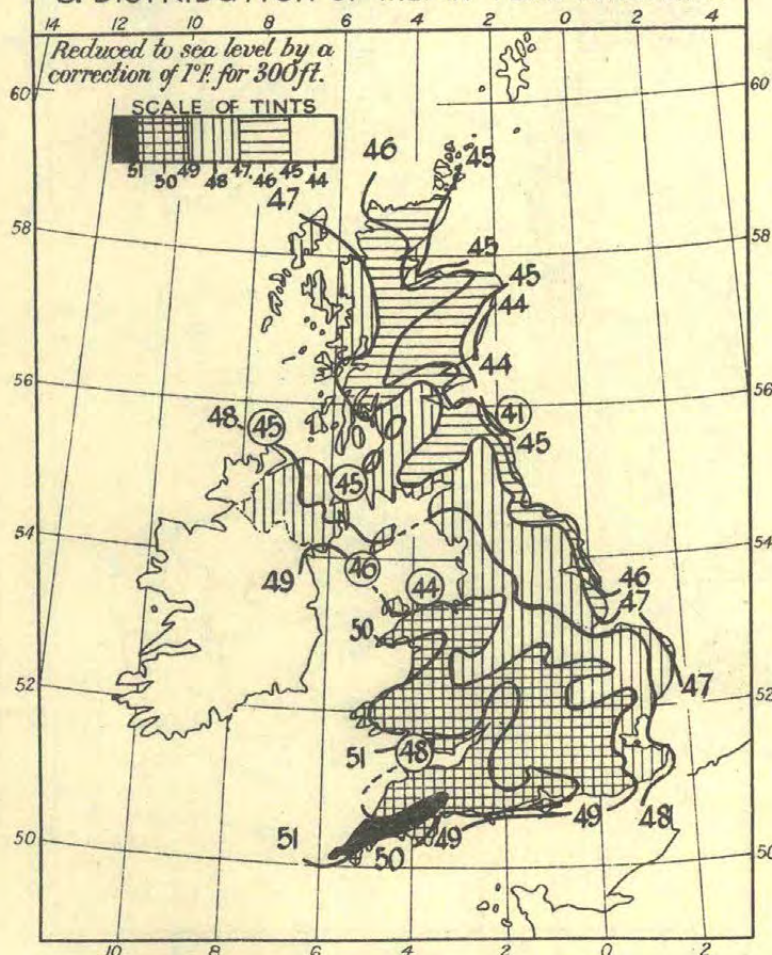
1. WIND AND MEAN PRESSURE. 7 A.M.



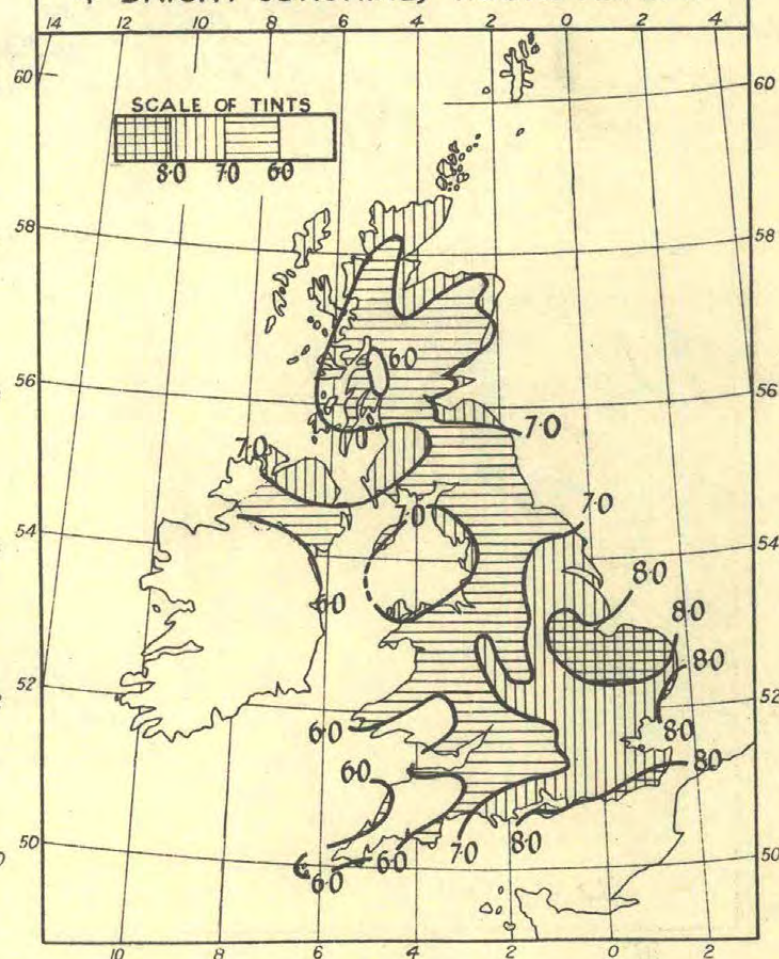
2. MOVEMENTS OF DEPRESSIONS.

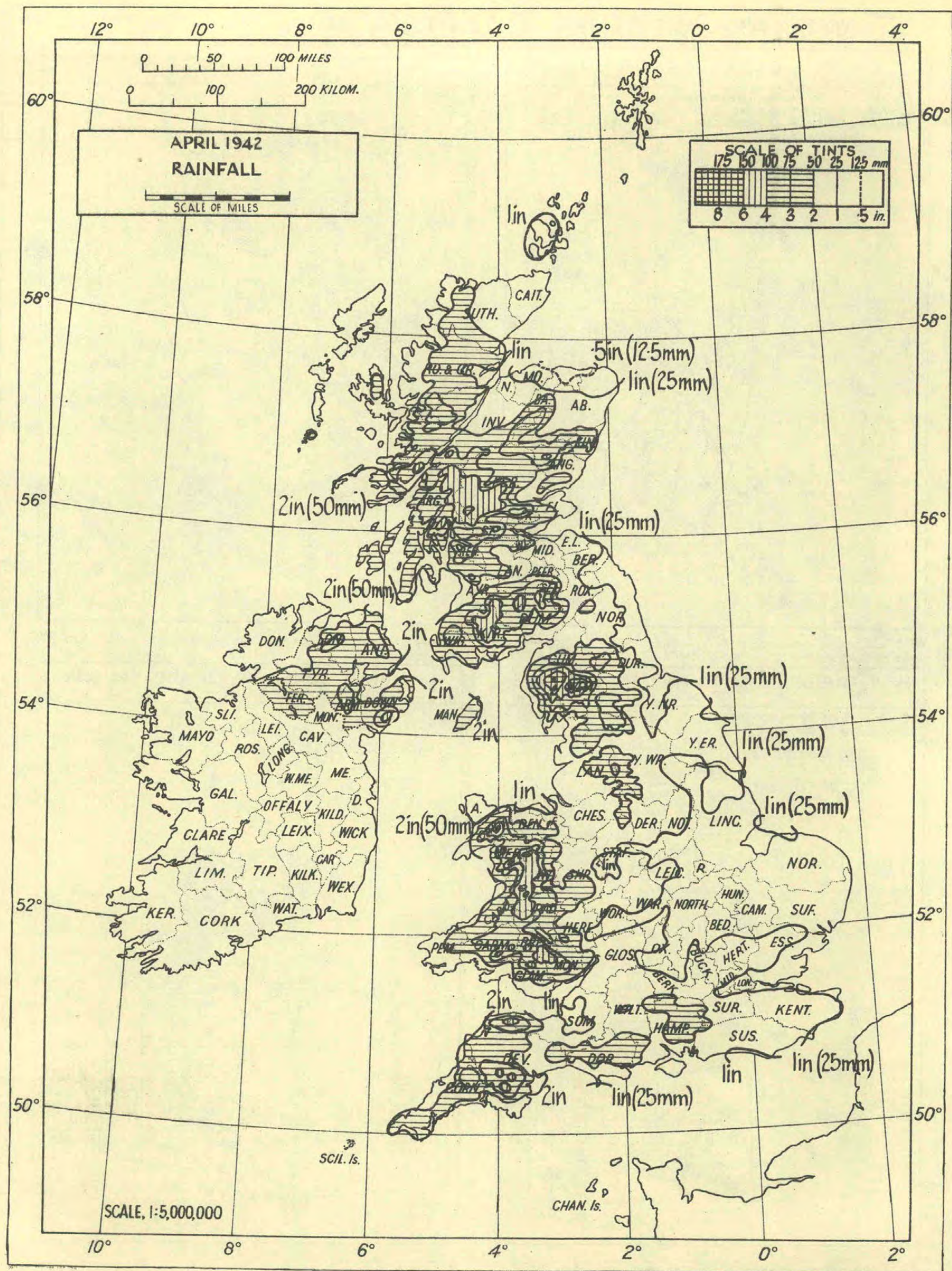


3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY





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

TABLE III -Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

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	Per cent- age of Average	Most in a day			Precip'n (0.02 mm) or more	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage										
				A Max.	B Min.		Maximum	Date	Minimum	Date				Amount	Date								Daily Mean	of Average	of Poss- ible								
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%						
0 SCOTLAND, N.																									SCOTLAND								
Shetland	Baltasound ..	999	31	48.6	37.5	43.0	+2.1	61	17	31	23	-	-	32	1.26	55	36	4	12	8	-	-	-	-	2	7	1	6.15	146	42			
	Lerwick Obey. %	999	269	47.3	39.4	43.3	-	58	17	31	23	-	-	26	1.01	-	39	4	11	10	1	0	1	0	1	10	0	6.13	145	42			
	Sumburgh (Links)	18-7 7	19																														
Orkney	Kirkwall ..	%	999	113	50.1	39.1	44.6	+1.7	64	16	31	24	43.7	-	16	.64	29	16	3,4	9	4	0	0	0	0	8	0	7.32	153	51			
Hebrides	Skallary ..	..	101010	30	52.9	42.2	47.5	-	61	18	38	2,20,23	-	-	57	2.22	-	84	11	14	10	-	-	-	-	-	-	-	-	-		
	Stornoway %	%	18-7 7	79	52.4	41.1	46.7	+3.2	59	15	36	8	-	-	30	1.19	41	33	6	15	9	1	0	1	0	0	-	0	7.18	144	50		
Skye	Duntulim ..	..	999	294	53.6	40.5	47.1	-	66	17	31	24	-	-	34	1.35	-	46	6	8	8	0	0	0	0	0	7	1	7.74	-	54	
Caithness	Wick ..	..	18-7 7	115	49.1	38.5	43.8	+1.7	66	16	26	24	-	-	25	.96	48	22	3	11	7	0	0	0	0	0	3	0	-	-	-	
Sutherland	Cape Wrath ..	..	18-7 7	367	47.5	41.4	44.5	-	60	12	34	3	-	-	36	1.42	-	39	1	10	9	0	0	0	0	0	0	-	-	-	-	
Ross & Cromarty	Achnashellach ..	..	999	225	57.1	36.4	46.7	+3.1	71	17	30	4	-	-	48	1.89	33	67	5	9	8	0	0	0	0	0	-	0	-	-	-	
	Fortrose ..	..	999	69	55.0	37.9	46.5	+2.0	68	15	30	24	-	-	51	2.01	-	41	3	11	10	0	0	0	0	0	-	0	7.51	156	53	
Inverness	Dalwhinnie ..	18-7 7	1176	52.7	31.4	42.1	-	67	17	21	26	-	-	50	1.98	-	38	22	10	9	3	0	0	0	0	18	0	7.15	-	50			
	Ft. Augustus %	%	999	68	56.0	37.5	46.7	+3.2	70	15,16	30	25	-	-	35	1.37	54	30	6	10	8	0	0	0	0	0	-	0	6.72	174	478		
	Ft. William	..	999	34	56.0	38.5	47.3	+3.0	71	17	30	24	46.2	44.7	73	2.86	64	89	6	9	9	0	0	1	0	0	9	0	6.47	153	468		
	Inverness %	%	999	242	54.9	37.7	46.3	+2.0	70	16	29	24,27	-	-	43	1.69	102	44	7	10	10	0	0	0	0	0	11	0	7.72	172	54		
	Onich ..	..	999	48	56.1	39.7	47.9	-	73	17	32	3	-	-	64	2.51	59	83	6	12	11	0	0	0	0	0	16	0	6.02	148	428	
1 SCOTLAND, E.																																	
Nairn	Nairn ..	%	999	20	54.9	36.8	45.9	+2.2	72	16	28	26,30	-	-	41	1.61	107	42	8	10	8	0	0	0	0	0	17	0	7.79	172	55		
Moray	Forres ..	..	999	155	56.2	36.4	46.3	-	73	16	27	30	-	-	24	.94	-	20	1	9	7	0	0	0	0	0	15	0	7.84	-	55	
	Gordon Castle ..	..	2121 9	104	55.6	36.4	46.0	+2.1	72	16	27	24,26,29	-	-	19	.75	43	16	7	8	8	0	0	0	1	-	-	-	7.24	160	518	
Banff	Banff ..	..	999	130	53.1	38.5	45.8	+2.2	68	16,17	32	3	-	-	10	.40	24	14	1	8	3	0	0	0	0	0	6	0	6.96	154	498	
Aberdeen	Aberdeen %	%	242424	79	49.0	38.6	43.8	+0.6	66	16	32	30	43.7	41.9	35	1.37	73	79	8	10	7	1	0	0	0	2	9	0	6.85	142	48		
	Balmoral ..	..	999	927	53.4	32.1	42.7	+2.2	70	16	21	30	-	-	36	1.40	65	33	7	11	9	2	0	1	0	-	19	0	-	-	-	
	Braemar ..	..	2121 9	1111	52.6	31.4	42.0	+1.6	70	16	22	30	-	-	47	1.84	78	40	7	11	10	5	0	0	0	0	17	-	6.58	-	468	
	Craibstone	..	999	300	50.6	36.6	43.6	+1.0	70	16	30	3,30	42.9	41.1	37	1.46	72	47	7	8	7	2	0	0	0	-	13	-	7.08	159	50		
	Tarland ..	..	999	540	54.0	33.3	43.7	-	73	16	21	18	-	-	43	1.69	-	59	7	10	9	1	0	0	0	-	0	-	-	-	-	
Kincairdine	Stonehaven ..	..	999	12	52.7	34.5	43.6	-	68	17	27	30	-	-	45	1.76	-	43	7	11	8	0	0	1	1	0	-	0	7.03	-	50	
Angus	Arbroath ..	..	999	93	52.0	37.9	44.9	+1.0	62	16,22	29	9	-	-	31	1.21	74	24	3,6	7	6	1	0	1	0	0	12	0	7.12	142	50	
	Carnoustie	..	999	39																													
	Dundee ..	%	999	147	53.7	35.9	44.8	+0.9	67	16	31	9,30	44.7	-	41	1.63	101	34	3,6	10	7	1	0	2	0	-	14	0	6.58	142	47		
	Kettins ..	..	999	218	54.1	35.5	44.8	+1.3	69	16	27	30	45.0	-	61	2.41	132	84	3	8	8	0	0	0	0	0	17	1	-	-	-	
	Montrose ..	..	999	16	50.9	37.0	43.9	+0.5	66	16	28	15,18	-	-	29	1.13	-	32	6	9	7	0	0	0	1	0	-	0	6.87	145	48	
Perth	Perth ..	..	999	76	55.7	37.2	46.5	+1.8	71	16	29	30	-	-	49	1.92	108	64	22	9	7	0	0	1	0	-	-	0	6.82	140	48	
Fife	Cupar ..	..	999	210	54.2	38.0	46.1	+2.1	70	16	30	30	-	-	44	1.72	-	37	9	10	7	0	0	0	0	-	-	0	-	-	-	
	Dunfermline	..	999	237	53.8	38.7	46.3	-	70	16	33	15	45.7	43.6	49	1.92	-	43	3	10	8	0	0	0	1	1	10	0	7.10	-	50		
	Kirkcaldy	..	999	137	53.5	37.3	45.4	+0.4	66	16	29	9	-	-	53	2.08	-	58	7	11	7	0	0	0	1	-	-	0	6.83	-	48		
	Leuchars ..	..	18-7 7	36	52.8	39.3	46.1	+2.2	71	16	31	15	-	-	31	1.20	75	22	6	10	7	0	0	0	1	1	6	0	7.16	144	51	
	Lundin Links	..	999	40																													
	St. Andrews	..	999	13	52.2	38.9	45.5	+1.1	70	17	30	15,30	43.0	42.7	35	1.39	83	40	3	7	7	0	0	0	1	0	4	0	7.04	143	50		
Mid Lothian	Balerno ..	..	999	750	52.6	36.8	44.7	-	68	16	31	15,27	-	-	45	1.77	-	57	7	10	9	0	0	1	0	1	8	0	7.58	-	54	
	Edinburgh—																																
	Blackford H. %	%	2121 9	441	52.6	38.9	45.7	+2.0	66	16	33	26,27,30	-	-	40	1.58	107	77	7	9	8	0	0	1	0	2	7	1	7.34	161	52		
	Botanic Garden	..	999	74	55.1	37.6	46.3	-	69	16	29	16	-	-	36	1.42	-	59	7	10	9	0	0	0	0	1	11	-	7.29	-	52		
	Univ. King's B.	..	999	225	54.7	38.3	46.5	-	69	16	30	30	46.3	44.4	37	1.46	-	66	7	9	8	-	-	-	-	-	-	-	-	-	-		
	Boghall ..	..	999	639	53.2	36.2	44.7	+1.8	68	16	30	15,30	43.2	42.6	41	1.63	-	70	7	10	7	2	0	0	0	0	13	-	6.78	165	48	
	Liberton	td																															

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

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	Per cent of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount									Date	0.01 in (0.2 mm) or more	0.01 in (1.0 mm) or more	Daily Mean	of Average	of Possible			
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in							hr	%	%		
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	57.1	36.3	46.7	+1.8	72	17	26	24,25	-	-	90	3.55	-	.78	3	12	12	0	0	0	0	-	11	0	-	-	-
	Colonsay ..	9 9 9	87	54.6	39.9	47.3	-	67	16	33	24	-	-	53	2.10	-	.39	3	10	9	-	-	-	-	-	-	-	-	-	-
	Dunoon (Benmore) ..	9 9 9	46	55.2	37.6	46.4	-	68	17	29	4	45.3	42.8	119	4.69	-	1.00	4	11	10	0	0	0	0	15	0	5.91	-	42S	
	Dunoon ..	9 9 9	132																											
	Glenbranter ..	9 9 9	120	55.7	37.4	46.5	+1.8	69	16,17	29	3	-	-	114	4.50	-	1.22	4	11	11	0	0	0	0	8	-	-	-	-	
	Oban ..	9 9 9	229	(55.0)	40.0	(47.5)	-	-	-	33	24	-	-	63	2.49	-	1.01	7	10	9	0	0	1	0	0	3	0	6.42	128	45
	Tiree ..	18-7 7	24	53.1	41.9	47.5	+2.6	64	17	34	4	-	-	55	2.19	89	.49	12	13	12	0	0	0	0	0	0	7.53	119	53	
Bute	Rothsay ..	2121 9	200	53.6	38.2	45.9	+1.4	63	17	34	4,26,30	45.5	43.9	59	2.34	79	.70	4	9	8	0	0	0	0	6	2	6.84	138	49	
Dumbarton	Cardross ..	9 9 9	130	53.5	37.4	45.5	+1.0	66	17	33	4	-	-	54	2.13	-	.45	8	11	10	0	0	0	0	-	0	5.81	128	41S	
	Helensburgh ..	9 9 9	293	53.4	37.4	45.4	+0.5	66	17	32	4	-	-	58	2.29	80	.41	7	10	9	0	0	0	1	0	-	0	6.34	141	45
Stirling	Balforn ..	9 9 9	342	53.5	36.4	44.9	-	68	16	29	30	-	-	71	2.80	-	.71	9	9	9	2	0	0	0	0	3	-	-	-	-
	Stirling ..	9 9 9	151	54.7	39.5	47.1	+2.0	73	16	35	4,30	45.3	42.4	71	2.79	-	1.06	3	8	8	0	0	1	0	0	6	-	6.57	150	47
Renfrew	Greenock ..	9 9 9	199	54.1	39.7	46.9	+2.2	67	16	35	1,26,30	-	-	78	3.07	89	.68	4	10	9	1	0	1	1	5	0	0	7.49	-	46
	Paisley ..	2121 9	106	55.7	40.3	48.0	+2.3	70	16	35	15,26	46.2	44.8	61	2.38	103	.67	9	9	9	0	0	1	1	0	11	0	6.46	139	46
	Renfrew (Abbotsinch) ..	18-7 7	19	55.7	39.0	47.3	+2.8	70	16	29	15	-	-	60	2.36	105	.91	9	10	8	0	0	1	1	4	8	0	6.40	144	45
Lanark	Carlisle ..	9 9 9	534	54.3	37.5	45.9	-	70	16	30	30	-	-	38	1.51	-	.35	7	11	8	0	0	0	0	9	0	6.89	-	49	
	Dungavel ..	9 9 9	798	54.4	34.4	44.4	+2.8	67	16	27	27	-	-	55	2.17	-	.47	4	11	11	0	0	0	0	11	0	-	-	-	-
	Glasgow ..	9 9 9	351	55.2	37.5	46.3	-	71	16	33	9,26,30	-	-	67	2.65	-	.91	9	10	8	0	0	2	1	-	14	-	6.25	-	44
	(Springb'n Park)																													
Ayr	Auchincruive ..	9 9 9	89	57.4	37.6	47.5	-	69	17	28	30	46.6	44.9	29	1.13	-	.27	3	9	7	0	0	0	0	17	0	7.30	-	52	
	Ayr ..	9 9 9	43	56.1	38.9	47.5	-	68	17	32	27	-	-	28	1.10	-	.40	3	8	8	0	0	0	0	3	0	7.11	-	50	
	Colmonell ..	9 9 9	170	56.3	37.7	47.0	-2.0	69	17	30	24,30	-	-	60	2.37	94	.53	3	11	9	0	0	0	0	12	2	-	-	-	
	Kilmarnock ..	9 9 9	130	57.5	38.1	47.8	+2.9	71	17	30	30	46.1	45.0	60	1.97	-	.46	9	9	8	0	0	0	0	5	1	7.20	155	51	
	Prestwick ..	9 9 9	17	55.6	39.5	47.5	-	70	17	33	15,27,30	-	-	26	1.02	-	.31	3	8	7	0	0	0	0	10	0	7.09	-	50	
	Troon ..	9 9 9	15	55.5	39.8	47.7	-	66	17	33	27,30	-	-	39	1.54	-	.43	3	9	7	0	0	0	0	0	0	7.30	-	52	
	Turnberry ..	9 9 9	30	56.6	40.1	48.3	+2.8	17	31	31	24	-	-	22	.86	46	.21	3	9	8	0	0	0	0	0	0	7.87	151	56	
Dumfries	Dumfries ..	9 9 9	140	55.4	38.5	46.9	+2.2	73	16	32	25,26	45.5	43.8	67	2.63	111	.63	4	10	10	0	0	1	0	0	19	-	6.55	140	47
	Eskdalemuir ..	242424	794	53.4	34.2	43.8	+2.7	68	16	36	30	44.1	42.3	81	3.20	94	.79	6	11	8	2	0	2	0	0	11	0	6.55	154	47
	Ruthwell ..	18-7 -	-	53.6	35.2	44.4	+2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kirkcudbright	Glenlee ..	9 9 9	181	55.7	35.5	45.6	-	70	16	28	30	-	-	94	3.70	-	.82	4	11	10	1	0	0	0	0	16	0	-	-	-
	Newton Stewart	9 9 9	75	55.9	38.8	47.3	-	68	17	33	4,22	-	-	71	2.78	-	.61	4	10	9	0	0	0	0	2	-	0	-	-	-
Wigtown	Newton Stewart	9 9 9	75	55.9	38.8	47.3	-	68	17	33	4,22	-	-	71	2.78	-	.61	4	10	9	0	0	0	0	2	-	0	-	-	-
ISLE OF MAN																														
Isle of Man	Douglas ..	9 9 9	284	53.2	41.3	47.3	+2.1	65	16	37	4,25,26	-	-	58	2.29	92	.55	4	10	9	0	0	1	0	0	0	0	7.26	124	52
	Point of Ayre ..	18-7 7	30	53.7	41.9	47.8	-	59	16	35	4	-	-	41	1.61	-	.48	4	10	10	1	0	0	0	0	0	0	6.84	-	49
ENGLAND AND WALES																														
Northumberland	Berwick-on-T. ..	9 9 9	76	49.6	39.2	34.4	+0.7	59	11	33	30	-	-	13	.50	35	.11	22	9	5	1	0	1	0	0	5	0	7.25	150	51
	Bellingham ..	9 9 9	849	54.5	35.1	34.8	+2.6	69	17	28	26	-	-	38	1.51	70	.30	3	11	10	0	0	0	0	-	-	-	-	-	-
	Cockle Park ..	2121 9	325	54.5	35.1	34.8	+2.6	69	17	28	26	-	-	38	1.51	70	.30	3	11	10	0	0	0	0	-	-	-	-	-	-
	Newcastle ..	9 9 9	290	54.5	35.1	34.8	+2.6	69	17	28	26	-	-	38	1.51	70	.30	3	11	10	0	0	0	0	-	-	-	-	-	-
	Tynemouth ..	18-7 7	108	49.7	41.0	45.3	+0.8	59	11,22	36	3	-	-	21	.81	57	.73	9	11	8	0	0	0	1	1	0	0	6.51	-	46
Durham	Chopwellwood ..	9 9 9	446	54.9	36.2	45.5	+2.0	71	16	28	30	-	-	23	.90	51	.16	22	10	10	0	0	0	1	0	17	-	6.38	142	46
	Durham ..	2121 9	336	54.1	36.7	45.4	+1.7	70	16	29	15	-	-	21	.81	52	.17	9	10	9	-	-	-	1	5	0	0	6.93	155	49
	Houghall ..	9 9 9	160	54.8	36.4	45.6	+1.1	70	16	24	30	-	-	21	.83	-	.20	9	10	8	0	0	0	2	0	12	0	6.54	119	47
	Ushaw College ..	9 9 9	594	54.8	36.1	45.9	+2.2	70	16	33	15,25,30	-	-	28	1.09	58	.20	9	10	9	1	0	0	0	10	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	55.1	35.2	46.7	+2.2	68	15	31	2	-	-	40	1.58	-	.35	3	9	7	0	0	1	2	4	16	-	6.80	-	49
	Castleton ..	9 9 9	450	53.0	35.2	44.1	-	65	16	24	30	44.3	-	44	1.73	-	.46	9	9	8	0	0	1	1	0	13	-	-	-	-
	Catterick ..	18-7 7	175	54.6	39.1	46.9	-	69	16	31	30	-	-	20	.80	-	.19	4	9	7	0	0	1	1	1	10	0	7.31	-	52
	Redcar ..	9 9 9	25	52.4	40.8	46.6	-	65	11	33	15,17	-	-	12	.49	-	.26	19	9	3	0	0								

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain		Height of Station above Mean Sea Level ft	AIR TEMPERATURE IN DEGREES FAHRENHEIT									Earth Temperature 1 ft 4 ft		RAINFALL			WEATHER Number of days										BRIGHT SUNSHINE		
					Means of		Difference from Average	Absolute Maximum and Minimum			Total Fall	Per cent- age of Average	Most in a day			Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage							
								A Max.	B Min.	Maximum						Date	Minimum							Date	-0.1in (0.2mm) or more	-0.1in (1.0mm) or more	Daily Mean	of Average	of Poss-ible		
					G.M.T.	°F	°F	°F	°F	°F	°F	°F	°F			°F	mm	in	%	in							hr	%	%		
3 ENGLAND, E.																															
Norfolk	Cromer	9 9 9	178	53.2	39.6	46.4	+0.6	66	11	31	22	-	-	12	.48	38	.15	7	8	5	0	0	0	2	0	4	0	8.30	154	60	
	Hunstanton ..	9 9 9	105	56.0	40.4	48.2	+1.3	65	12,19	36	3,10	-	-	13	.53	-	.16	3	7	5	0	0	1	2	0	-	-	8.20	173	59	
	Norwich	9 9 9	110	56.0	39.7	47.9	+1.4	66	11,19	29	4	45.1	-	15	.58	-	.13	7	8	6	0	0	0	1	-	4	-	8.40	166	60	
	Sproston	9 9 9	93	55.0	39.7	47.3	+1.0	65	11	33	16	-	-	19	.76	-	.28	7	8	5	0	0	0	1	-	12	-	8.77	188	63	
	Terrington ..	9 9 9	13		39.3					33	11,30	-	-	13	.50	-	.09	4	5	9	6	0	0	3	4	0	11	-	-	-	
	Thetford	9 9 9	99	57.8	36.6	47.2	-	65	11,19	27	16	46.7	45.0	23	.90	-	.30	9	9	8	0	0	0	1	0	14	-	8.30	-	60	
	(Lynford Nursery)																														
	Yarmouth .. .	18-7 7	5	50.3	41.8	46.1	+0.4	63	19	37	3,22	47.1	44.6	9	.34	23	.13	9	9	4	0	0	0	1	1	0	0	7.32	134	53	
Suffolk	Bungay (Flix'n)..	9 9 9	79	55.9	39.1	47.5	+1.2	63	20	34	16	-	-	10	.40	-	.16	4	7	5	0	0	0	1	0	7	-	-	-	-	
	Felixstowe Aero.	18-7 7	10	52.8	42.3	47.5	+1.4	63	20	37	16	-	-	13	.51	43	.15	4	6	5	0	0	0	2	0	0	0	8.44	145	61	
	Ipswich, Belstead Hall	9 9 9	125	55.1	40.5	47.8	-	66	19	35	3,16,22	45.5	44.3	15	.57	-	.13	4	7	6	0	0	0	1	0	7	0	7.92	-	57	
	Lowestoft	9 9 9	82	52.5	40.8	46.7	+1.0	63	19	35	3	47.2	46.1	12	.46	31	.10	9	8	5	0	0	0	1	0	0	0	7.97	136	57	
	Mildenhall .. .	18-7 7	15	58.0	39.9	48.9	-	66	19	28	16	-	-	17	.67	-	.21	6	8	7	0	0	1	0	0	8	0	8.40	-	61	
Cambridge	Cambridge .. .	2121 9	41	58.2	39.2	48.7	+2.4	66	19	33	11	48.1	45.9	23	.92	68	.21	6	8	8	0	0	1	0	-	9	0	7.60	154	55	
	(Bot. Gdns.) (Univ. Farm) ..	9 9 9	78	57.6	39.2	48.4	-	69	19	31	16	-	-	24	.93	-	.21	6	9	6	0	0	0	1	4	0	6.72	-	49		
Bedford	Dunstable .. .	18-7 7	516	56.4	38.7	47.5	-	63	12	29	17	46.0	43.7	37	1.48	-	.37	9	7	5	0	0	0	1	1	7	0	7.66	-	55	
	Luton	9 9 9	381	56.9	39.9	48.4	+3.1	65	18	32	16	47.1	44.7	31	1.22	-	.37	6	7	7	-	-	-	0	6	-	7.60	173	55		
	Woburn	9 9 9	291	56.4	39.1	47.7	+2.2	64	18	32	30	48.3	46.4	30	1.19	79	.39	6	7	6	0	0	1	2	0	5	-	7.77	164	56	
Hertford	Rothamsted ..	9 9 9	420	56.2	39.3	47.7	+2.5	64	18	34	4,11	46.1	-	40	1.56	97	.35	7	7	7	0	0	1	1	0	4	0	7.38	147	53	
	St. Albans .. .	9 9 9	272	56.9	39.2	48.1	+2.2	65	18	32	11	47.3	-	33	1.30	86	.28	6	7	7	0	0	0	0	5	-	-	-	-		
Essex	Clacton-on-S. ..	9 9 9	53	52.4	42.4	47.4	+1.3	62	20	37	3,16	47.8	45.8	15	.59	43	.14	9	7	5	0	0	0	1	0	0	-	7.83	138	57	
	Dovercourt .. .	9 9 9	47	53.1	41.8	47.5	+0.6	63	20	37	3,16	-	-	13	.52	-	.16	4	6	5	0	0	0	0	3	-	-	8.16	-	59	
	Earls Colne .. .	9 9 9	160	57.1	40.3	48.7	+1.4	64	19	33	9,11	47.1	40.9	17	.65	-	.19	4	9	7	0	0	0	1	-	3	-	-	-		
	Halstead	9 9 9	140	57.8	41.3	49.5	+2.6	65	19	33	11	-	-	20	.79	-	.30	4	8	5	0	0	0	1	-	-	-	-	-		
	Maldon	9 9 9	14	56.3	40.8	48.5	-	66	19	33	11	-	-	20	.80	-	.18	9	8	7	0	-	0	1	0	-	-	8.15	-	59.8	
	Shoeburyness ..	18-7 7	11	54.8	42.8	48.8	+2.3	65	20	35	16	-	-	15	.58	48	.18	8	6	4	0	0	0	2	1	3	0	7.40	145	54	
	Walton-on-Naze	9 9 9	35	52.9	41.9	47.4	+1.0	61	21	36	3	-	-	20	.79	-	.26	6	7	7	-	-	-	3	0	-	7.60	140	55		
	Writtle	9 9 9	105	57.0	40.5	48.7	-	64	19,20	32	11	-	-	26	1.02	-	.18	4	8	8	0	0	0	1	-	6	-	-	-		
4 MIDLAND COUNTIES																															
Yorks., W. Riding	Askham Bryan ..	9 9 9	90	55.4	38.8	47.1	-	64	16	29	25	-	-	37	1.47	-	.23	10	11	9	0	0	0	1	0	10	-	6.99	-	51	
	Bingley	9 9 9	610	53.8	38.2	46.0	-	65	16	32	26	-	-	46	1.82	-	.41	4	9	8	0	0	0	2	7	-	-	-	-		
	Bradford	9 9 9	439	53.9	39.0	46.5	+2.2	64	11,16	32	26	43.9	41.7	49	1.94	96	.41	4	9	9	-	-	-	1	-	-	6.57	155	47		
	Doncaster	9 9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Harrrogate .. .	9 9 9	478	54.7	38.3	46.5	+2.5	65	16	30	30	44.1	43.4	37	1.48	74	.36	4	10	8	1	0	2	1	1	6	0	6.47	136	46	
	Huddersfield ..	2121 9	325	56.2	37.4	46.8	+2.1	65	11,12,16	28	30	44.8	42.8	42	1.65	86	.40	1	12	9	0	0	0	-	2	15	-	5.06	129	36	
	" (Oakes) .. .	9 9 9	761	54.1	36.9	45.5	+1.3	64	11,16	26	30	44.2	41.6	53	2.07	95	.47	9	11	10	2	0	2	3	9	12	1	-	-		
	Ilkley	9 9 9	315	54.6	37.8	46.2	+1.3	67	11	31	15,16,17	-	-	37	1.45	-	.37	4	10	9	0	0	1	0	0	5	-	6.42	158	46	
	Meltham	9 9 9	585	54.1	37.3	45.7	-	65	11	20	30	44.0	-	68	2.67	-	.61	9	11	8	-	-	-	-	12	-	-	-	-		
	Pontefract .. .	9 9 9	255	54.3	39.0	46.7	+0.9	63	11,12	33	25,26	-	-	24	.94	61	.25	3	9	6	-	-	-	2	4	-	6.99	-	50		
	Rotherham .. .	7 7 7	284	55.6	37.7	46.7	-	65	12	32	26,30	46.1	-	24	.96	-	.22	3	11	8	0	0	2	1	3	7	-	7.24	-	52	
	Sheffield	9 9 9	428	55.5	39.9	47.7	+2.0	65	12	33	26	44.7	42.8	36	1.41	72	.26	9	12	7	0	0	1	1	-	5	0	6.07	143	44	
Wakefield .. .	9 9 9	124	56.6	38.8	47.7	+2.0	67	11	31	30	45.1	43.6	27	1.08	64	.30	3	12	8	2	0	0	1	2	10	-	6.32	159	45		
Derby	Belper (School) ..	9 9 9	198	56.0	-	-	-	65	13	-	-	-	-	56	2.21	118	.74	1	8	8	0	0	0	0	-	-	-	-	-		
	Buxton	9 9 9	1007	51.8	37.6	44.7	+2.0	61	11,12	31	16	43.2	-	80	3.16	107	1.13	9	10	9	0	0	2	2	4	4	1	6.03	144	44	
Nottingham	Attenborough ..	9 9 9	89																												
	Mansfield	9 9 9	357	55.4	38.3	46.9	+1.1	65	11	31	25,26,30	-	-	30	1.17	68	.46	9	8	7	0	0	3	1	2	-	-	-	-		
	Nottingham .. .	9 9 9	192	56.4	40.5	48.5	+2.4	65	12	35	25	45.6	43.4	31	1.21	85	.74	9	9	6	-	-	-	1	3	-	7.54	175	-		
	Sutton Bonington	9 9 9	157	55.6	38.7	47.1	+1.0	63	12	30	16,17	47.2	-	21	.84	61	.32	10	8	6	0	0	0	2	-	5	-	7.13	172	54	
Leicester	Leicester	9 9 9	325	57.4	37.9	47.7	-	65	12	31	16	45.4	43.9	26	1.03	-	.51	9	5	5	0	0	0	0	1	-	7.09	-	51		
Northampton	Oundle	9 9 9	147																												
	Peterborough ..	9 9 9	46	58.4	40.0	49.2	-	67	19	33	25	-	-	13	.52	-	.12	7	9	6	0	0	0	1	-	-	-	-	-		
	Raunds	9 9 9	193	57.5	38.9	48.2	-	64	12,19	33	16	-	-	23	.89	-	.25	7	9	6	0	0	2	2	0	-	0	-	-	-	
Warwick	Birmingham ..	18-7 7	535	56.1	40.2	48.1	+2.3	65	12	34	25,26	44.4	43.8	51	2.01	116	.46	1	9	8	0	0	3	2	1	3	0	6.29	147	45	
	" Sparkhill .. .	7 7 7	425	57.9	39.0	48.5	+2.6	66	12	34	16,25,26	-	-	35	1.40	76	.39	1	9	7	0	0	2	1	1	12	-	-	-	-	
	Coventry	9 9 9	241	57.1	38.9	48.0	+1.5	65	12	33	4,11	48.0	48.5	38	1.49	89	.37	9	9	8	0	0	1	1	1	-	-	6.91	154	50	
	Leamington Spa	9 9 9	163	57.9	41.2	49.5	+2.9	66	12	35	25,26	49.9	47.5	23	.90	-	.27	9	8	6	0										

¶§. § See Notes on Tables in Annual Summary.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				A	B		Maximum	Date	Minimum			Date	Amount									Date	0.1 in (2.5 mm) or more	0.1 in (1.0 mm) or more	Daily Mean	of Aver- age	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Max.	Min.	A Max.	B Min.	Mean of A and B	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage									
				A	B		Maximum	Date	Minimum			Date	Amount									Date	of 2mm or more	of 1.0mm or more	Daily Mean	of Average	of Poss- ible				
				Max.	Min.	A Max.	B Min.	Mean of A and B	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in									hr	%	%	
5 ENGLAND, S.E.—cont.																															
I. of Wight	Newport ..	9 9 9	48	58.9	42.6	50.7	43.3	66	27	35	23	-	48	1.90	-	.48	8	10	7	0	0	1	0	1	4	-	-	-	-		
	Ryde ..	9 9 9	13	56.0	44.0	50.0	42.3	62	27	40	2,4,19	-	40	1.57	-	.34	6,8	8	7	0	0	0	0	0	-	0	8.05	147	59		
	St. Catherine's Point	18-7 7	150	54.1	43.0	48.5	-	65	27	38	16,17	-	34	1.35	-	.39	6	7	6	0	0	1	0	1	-	0	-	-	-		
	Sandown ..	9 9 9	13	55.0	43.5	49.3	41.6	62	27	38	4,19	-	40	1.58	-	.52	6	8	7	0	0	1	0	0	-	8.13	137	59			
	Totland Bay ..	9 9 9	140	55.6	43.2	49.4	42.6	63	26,27	38	23	-	32	1.25	76	.31	8	6	6	0	0	0	0	1	0	0	8.10	137	59		
Wiltshire	Ventnor(Hospital)	9 9 9	60	55.5	44.5	50.0	42.1	62	27	41	3,19,24	-	35	1.37	82	.47	6	7	6	0	0	0	0	-	-	0	8.28	137	60		
	Amesbury (Boscombe Down)	18-7 7	417	57.2	40.2	48.7	-	64	12	34	16	-	52	2.04	-	.49	6	9	8	0	0	1	1	3	3	0	6.40	-	46		
	Larkhill ..	9 9 9	440	56.6	39.3	47.9	42.4	64	12	34	16,25	-	49	1.92	117	.63	8	9	8	0	0	2	1	3	0	-	-	-	-		
	Marlboro' †	9 9 9	424	57.2	38.4	47.8	42.8	65	12	32	16,17,30	47.5	53	2.10	108	.49	8	9	8	0	0	1	2	2	8	0	7.04	147	51		
	Porton ..	9 9 9	363	57.6	39.9	48.7	43.4	66	12	33	16	47.1	38	1.48	89	.40	8	10	7	0	0	0	1	1	3	0	7.10	152	51		
7a ENGLAND, N.W.																															
Cumberland	Keswick ..	9 9 9	254	55.6	39.2	47.4	42.5	68	15	28	22	45.9	93	3.68	120	.93	4	9	8	0	0	0	0	1	6	0	6.91	166	49		
	Newton Rigg †	2121 9	560	55.3	36.4	45.9	42.3	72	16	28	24,25	-	58	2.28	109	.57	6	12	11	0	0	1	0	0	17	0	6.88	146	49		
Westmorland	Ambleside ..	9 9 9	145	56.8	38.5	47.7	-	74	16	30	22	-	99	3.90	-	.67	8	11	10	0	0	0	0	0	-	-	6.86	-	49	-	
	Appleby ..	9 9 9	440	55.3	37.3	46.3	42.7	71	16	29	22	-	51	2.01	103	.49	6	10	10	1	0	1	0	-	-	-	-	-	-		
Lancashire	Blackpool ..	9 9 9	65	56.5	40.7	48.6	42.7	68	16	33	25	48.1	45.6	41	1.60	85	.41	3	11	10	0	0	0	0	1	5	-	7.51	136	54	
	Bolton ..	9 9 9	342	56.0	39.2	47.6	42.3	67	16	34	3,25,26	45.3	43.2	52	2.04	79	.53	9	11	9	0	0	0	0	-	1	-	6.03	171	43	
	Burnley ..	9 9 9	458	54.8	38.5	46.7	42.8	65	11,16	32	3,16,17	45.0	42.9	54	2.14	-	.46	4	10	8	0	0	0	0	1	12	-	-	-	-	
	Darwen ..	2121 9	724	56.6	41.0	48.8	-	66	16	35	24,25,30	-	45	1.76	-	.40	3	11	10	0	0	0	0	0	9	1	7.77	-	56	-	
	Fleetwood ..	9 9 9	81	56.8	40.5	48.7	43.5	69	16	34	25	46.2	44.1	45	1.78	-	.43	3	9	9	0	0	0	1	-	7	0	6.74	142	49	
	Hutton ..	9 9 9	125	56.4	40.3	48.3	43.0	69	16	32	25	-	40	1.58	79	.40	3	11	9	0	0	0	1	-	7	-	-	-	-	-	
	Leyland ..	9 9 9	125	56.4	40.3	48.3	43.0	69	16	32	25	-	40	1.58	79	.40	3	11	9	0	0	0	1	-	7	-	-	-	-	-	
	Manchester (Burnage) ..	9 9 9	147	(56.9)	40.3	(48.6)	-	(67)	(16)	33	4	-	35	1.39	-	.37	9	9	8	0	0	0	1	2	1	-	6.74	-	48	-	
	(Whitworth Pk.)	2121 9	125	57.6	41.6	49.6	43.3	68	16	36	25	46.0	44.8	36	1.43	75	.37	3	10	8	0	0	0	1	2	0	0	6.67	181	48	
	Morecambe ..	9 9 9	23	56.0	41.4	48.7	42.9	68	16	36	24,26	-	41	1.61	80	.36	3,6	9	9	0	0	0	0	0	-	0	7.63	143	55	-	
	Nelson ..	9 9 9	540	53.8	38.2	46.0	-	65	16	31	25	45.2	42.8	38	1.48	-	.35	9	9	8	-	-	-	-	5	-	6.05	-	43	-	
Cheshire	Southport (Bedford Rd.Pk.) †	9 9 9	35	56.7	40.1	48.4	42.5	67	16	33	24,25	46.9	46.5	32	1.27	69	.43	3	10	8	0	0	0	0	6	1	7.26	132	52	-	
	Stonyhurst †	9 9 9	377	54.7	39.4	47.1	42.5	67	16	33	25	-	43	1.68	62	.35	9	9	8	0	0	1	2	0	1	0	6.70	144	48	-	
	Bidston Obs'y ..	9 9 9	198	55.2	41.2	48.2	42.3	65	11	36	25,26	-	33	1.29	79	.50	3	12	6	-	-	-	-	4	0	0	6.38	123	46	-	
	Hoylake ..	9 9 9	23	57.6	40.2	48.9	42.4	66	11	31	25	-	25	.98	61	.34	3	11	6	0	0	0	0	0	-	5	-	6.54	120	47	-
	Macclesfield ..	9 9 9	500	55.1	40.2	47.7	43.2	64	11,16,19	34	25	-	46	1.82	87	.57	9	10	9	0	0	1	2	0	-	-	-	-	-	-	-
Cheshire	Manchester (Ringway) ..	18-7 7	235	56.7	39.9	48.3	-	68	16	31	30	-	40	1.57	-	.38	3	11	8	0	0	1	2	2	9	0	-	-	-	-	-
	Warburton ..	9 9 9	68	57.3	39.6	48.5	-	68	16	32	16	-	41	1.60	-	.39	3,9	9	7	0	0	1	1	1	11	-	6.91	-	50	-	
	West Kirby ..	9 9 9	25	56.9	40.5	48.7	41.8	66	11,12	28	25	-	26	1.02	63	.32	3	10	7	0	0	1	1	0	8	-	6.73	135	48	-	
7b NORTH WALES																															
Flint	Hawarden B'dge	9 9 9	17	59.3	39.1	49.2	42.5	69	16	30	26	-	28	1.11	-	.31	3	10	6	0	0	0	0	0	-	-	-	-	-	-	-
	Prestatyn ..	9 9 9	18	58.7	41.1	49.9	-	67	16	35	30	-	23	.90	-	.21	3	9	7	0	0	0	0	0	-	-	6.89	-	49	-	
	Rhyl ..	9 9 9	31	57.4	41.4	49.4	43.1	67	12	35	25,26	-	24	.95	62	.26	3	8	8	0	0	0	0	0	10	0	7.01	127	50	-	
	Sealand .. †	18-7 7	16	58.3	40.0	49.1	43.0	69	16	31	26,30	47.2	45.9	29	1.14	75	.32	3	12	9	0	0	0	0	4	0	6.94	150	50	-	
Anglesey	Holyhead †	8 8 8	26	54.1	42.5	48.3	42.0	64	12	37	25	-	31	1.20	58	.35	3	11	8	-	-	-	-	2	-	7.30	126	53	-	-	
	Holyhead (Valley)	18-7 7	32	56.9	41.4	49.1	-	68	12,16	35	22,23	-	29	1.15	-	.45	3	10	6	0	0	0	0	4	1	-	-	-	-	-	-
Denbigh	Colwyn Bay ..	9 9 9	118	56.5	40.6	48.5	41.4	67	12	32	25	-	21	.84	46	.25	3	8	6	0	0	0	0	0	-	-	7.16	135	51	-	
Carnarvon	Aber ..	9 9 9	60	57.0	42.0	49.5	42.4	68	12	36	25	-	71	2.78	-	.79	1	8	8	0	0	0	0	8	0	7.19	152	52	-	-	
	Llandudno ..	9 9 9	13	55.9	42.1	49.0	42.3	67	12	34	25,26	-	22	.88	52	.23	4	9	7	0	0	1	0	4	0	7.14	128	51	-	-	
Merioneth	Bala ..	9 9 9	535	57.4	39.0	48.2	-	71	16	32	7	-	77	3.04	-	.75	5	9	7	0	0	0	0	-	2	-	-	-	-	-	-
Montgomery	Lake Vyrnwy ..	9 9 9	750	55.1	38.0	46.5	-	63	12,16	31	26	-	102	4.01	-	1.05	9	12	10	0	0	2	1	0	7	-	-	-	-	-	-
	Welshpool ..	9 9 9	254	57.7	38.3	48.0	42.1	66	12	31	16,25	-	55	2.16	118	.51	2	11	10	0	0	1	0	5	-	-	-	-	-	-	-
8a SOUTH WALES																															
Cardigan	Aberporth ..	18-7 7	376	55.5	41.6	48.5	-	66	14	36	25,30	-	43	1.67	-	.39	6	9	7	0	0	2	0	1	3	1	6.67	-			

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

APRIL, 1942

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			Per centage of Average	Most in a day		Precip'n	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage					
					A Max.	B Min.		Maximum	Date	Minimum	Date		Amount	Date		in (0.2 mm or more)	in (1.0 mm or more)									of Average	of Possible				
			G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in												hr	%	%	
8a SOUTH WALES—contd.																															
Brecknock	Cantref ..	..	9 9 9	1080	52.9	38.9	45.9	-	60	16	34	3,8,24	-	-	81	3.21	-	.90	4	11	9	0	0	0	1	2	-	5.56	-	40
	Crickhowell ..	..	9 9 9	230	57.3	40.9	49.1	-	65	14	34	16	-	-	89	3.49	-	1.13	6	9	8	0	0	4	0	1	6	-	-	-
Glamorgan	Cardiff ..	..	2121 9	203	57.6	42.1	49.9	+3.4	63	14,16,17	35	30	48.3	46.3	47	1.86	74	.40	6	8	7	0	0	0	0	0	0	6.52	119	4
	Swansea ..	..	9 9 9	33	57.9	44.3	51.1	+3.3	68	14,15,16	39	3,24	50.8	50.7	31	1.21	-	.42	6	9	5	0	0	3	3	0	0	5.83	112	42
8b ENGLAND, S.W.																															
Monmouth	Newport ..	..	9 9 9	265	58.0	41.7	49.9	+2.6	65	14	34	25	48.3	46.7	64	2.53	-	.63	9	8	8	-	-	-	0	-	-	6.38	-	46
	Usk ..	..	9 9 9	70	58.1	42.6	50.3	-3.8	65	12,14	35	25,30	52.6	-	81	3.21	-	.66	3,7	8	7	0	0	0	1	6	2	6.12	141	44
Somerset	Bath ..	¶	9 9 9	67	-	42.2	-	-	-	-	35	30	49.6	47.3	30	1.18	58	.42	7	9	8	0	0	1	1	0	-	6.54	127	48	
	Bristol (Airport)	18-7 7	209	58.1	41.1	49.6	-	65	12	36	16,25,30	-	-	30	1.20	-	.31	7	9	8	0	0	2	1	0	6	2	6.61	-	48
	Cannington ..	..	9 9 9	95	58.6	41.5	50.1	-	66	12,14	34	25	-	-	29	1.13	-	.36	8	12	8	0	0	0	0	3	0	6.27	-	45
	Long Ashton	9 9 9	162	58.3	40.7	49.5	+2.6	64	12,13,14	34	25	-	-	31	1.21	56	.44	6	8	8	0	0	1	0	0	6	0	6.70	131	49
	Taunton ..	..	9 9 9	230																										
	Weston-super-Mare	..	9 9 9	28	58.3	42.6	50.5	-	65	12,14	36	25	-	-	27	1.05	57	.31	6	9	6	0	0	0	0	0	0	-	6.09	119	44
Dorset	Holton Heath	9 9 9	64	57.9	42.4	50.1	+3.2	67	27	35	4	49.7	47.7	58	2.27	-	.54	8	9	6	0	0	1	0	0	7	4	7.43	143	54
	Poole ..	..	9 9 9	18	59.1	42.5	50.8	-	67	14,27	36	4	-	-	51	2.02	-	.57	8	8	6	0	0	0	0	-	-	7.76	-	67
	Portland Bill ..	..	18-7 7	32	49.9	43.4	46.7	-0.2	54	27,28	40	10	-	-	23	.90	60	.33	9	7	5	0	0	0	0	2	-	0	-	-
	Shaftesbury ..	..	9 9 9	722	54.9	39.2	47.1	-	60	14,27	32	5	-	-	48	1.90	-	.56	8	9	7	0	0	3	1	-	-	-	-	-
	Swanage	9 9 9	14	53.5	44.5	49.0	-	57	18,27	37	23	-	47.6	37	1.45	-	.39	6	6	6	0	0	0	0	1	0	-	7.64	-	56
	Weymouth ..	..	9 9 9	16																										
Devon	Barnstaple ..	..	9 9 9	25	58.3	42.2	50.3	+3.0	64	12,15,16	36	21	-	-	33	1.29	61	.28	4	10	7	-	-	-	0	0	-	-	-	-
	Cullompton ¶	..	9 9 9	202	60.1	41.6	50.9	+3.6	69	13	34	4	50.1	-	41	1.63	72	.40	4	15	18	0	0	0	1	0	5	-	5.34	95	39
	Dawlish ..	..	9 9 9	17	55.6	44.0	49.8	-	60	20	38	4,25	-	-	51	2.01	-	.70	8	9	8	-	-	-	0	2	-	5.96	-	43
	Exmouth	9 9 9	195	55.0	42.7	48.9	+1.8	62	27	37	25	-	-	52	2.06	-	.56	9	11	8	0	0	0	1	0	-	0	6.23	116	45
	Hartland Pt.	18-7 7	299	53.5	44.3	48.9	-	64	12	38	24	-	-	33	1.31	-	.32	4	10	7	0	0	4	1	0	0	0	5.68	-	41
	Ilfracombe	9 9 9	25	55.6	44.6	50.1	+2.4	45	12	38	25	50.8	50.3	50	1.97	98	.41	5	9	9	0	0	0	0	0	2	-	6.19	115	45
	Killerton ..	..	9 9 9	159																										
	Newton Abbot	9 9 9	375	56.2	41.8	49.0	+1.8	61	25,28	36	25	-	-	54	2.11	100	.80	8	12	10	0	0	0	0	0	12	-	4.98	95	36
	(Seale-Hayne Coll.																														
	Plymouth (Hoe)	..	2121 9	117	57.4	45.9	51.7	+3.9	63	16	40	2	50.3	48.6	45	1.77	78	.52	8	10	8	0	0	0	1	1	0	1	6.03	103	44
	Plymouth (Mount Batten)	..	18-7 7	82	55.6	44.9	50.3	+2.8	62	27	39	23	-	-	42	1.67	-	.54	8	10	7	0	0	0	1	1	0	4	6.05	109	44
	Princetown	9 9 9	1359	54.9	38.7	46.8	+3.9	57	14,18,27	33	2	-	-	119	4.69	93	1.57	8	13	9	1	0	4	1	5	1	-	-	-	-
	Seaton	9 9 9	43	57.2	43.4	50.3	-	68	27	37	25	-	-	41	1.60	-	.57	8	10	8	0	0	2	0	1	0	-	-	-	-
	Sidmouth	9 9 9	25	56.3	43.3	49.8	+2.8	65	27	36	4	-	-	36	1.41	-	.61	8	8	8	0	0	0	0	0	-	-	6.76	-	49
Tavistock ..	..	9 9 9	457	57.8	37.7	47.7	+1.1	65	14	32	21	-	49.4	73	2.85	98	.77	8	12	11	0	0	3	0	0	19	2	-	-	-
Teignmouth ..	..	9 9 9	20	55.2	44.1	49.7	+1.4	59	10,19,28	39	4,25	-	-	49	1.93	96	.73	8	11	7	3	0	0	1	1	0	-	6.03	103	44
Torquay ..	..	9 9 9	27	55.4	44.4	49.9	+1.5	59	25,28	40	4	-	49.4	54	2.12	105	.77	8	10	8	0	0	3	1	1	0	0	5.89	97	43
Totnes ..	..	9 9 9	100	55.9	41.5	48.7	-	60	25,27,28	33	17	47.3	-	74	2.91	-	.88	8	13	12	0	0	4	1	-	0	0	-	-	-
Cornwall	Bude ..	..	9 9 9	50	57.4	43.8	50.6	+3.1	67	14	34	17	-	-	42	1.66	88	.48	6	12	9	0	0	1	0	0	-	6.57	111	48
	Ellbridge ..	..	9 9 9	200	57.2	43.8	50.5	-	67	15	36	23	-	-	57	3.26	-	.60	8	13	11	0	0	2	1	4	-	5.65	-	41
	Falmouth Obs. ¶	..	9 9 9	167	55.6	45.1	50.3	+2.4	59	15,20,27	39	8	52.0	50.7	61	2.42	92	.67	4	14	9	0	0	1	1	2	0	-	5.49	88	40
	Fowey ..	..	9 9 9	51																										
	Gulval	9 9 9	20	57.1	45.4	51.3	+2.9	63	14,18,27	40	2	-	-	50	1.96	-	.58	4,8	10	8	0	0	0	0	1	0	-	5.72	99	42
	The Lizard	18-7 7	240	53.0	45.4	49.2	-	56	17,18,27	41	8,17,21	-	-	46	1.82	-	.61	6	13	8	0	0	0	0	2	-	1	6.77	-	45
	Newquay ..	..	9 9 9	182	56.4	45.0	50.7	+3.6	65	14,27	40	25	50.7	48.9	35	1.37	68	.27	3	11	8	0	0	1	0	0	-	6.05	101	44
	Penzance ..	..	9 9 9	55	57.1	45.5	51.3	+2.0	64	28	41	2,8	-	-	51	2.02	83	.57	8	11	8	0	0	0	0	1	-	4.98	81	36
	Perranporth ..	..	9 9 9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tintagel ..	..	9 9 9	260	55.5	44.3	49.9	-	65	14	39	2,25,30	-	-	39	1.53	-	.42	8	9	5	0	0	0	0	1	-	6.35	-	46
NORTHERN IRELAND																															
Londonderry	Castlerock ..	..	9 9 9		55.9	39.9	47.9	-	68	76	32	25	-	-	36	1.42	-	.22	4,6	12	9	-	-	-	0	3	0	-	-	-
	Garvagh ..	..	7 7 7	121	56.2	38.2	47.2	-	67	16	32	25	-	-	54	2.12	86	.35	4	12	12	0	0	3	1	0	13	-	-	-
(Moneydig)																															
Antrim	Aldergrove ¶	..	18-7 7	268	55.0	39.7	47.3	+2.5	68	16	32	4	-	-	48	1.90	90	.54	9	11	11	0	0	1	1	0	3	0	7.01	138	50
Down	Donaghadee ¶	††	8 8 8	30	52.5	40.8	46.7	+1.8	59	16	36	4,26,30	-	-	55	2.19	109	.39	6	12	12	0	0	0	0	0	-	6.96	-	50	
	Hillsborough	9 9 9	388	53.7	39.1	46.4	-	64	16	32	25	46.8	-	41	1.60	-	.23	7	11	11	0	0	2	0	0	5	0	6.69	-	48
Armagh	Armagh ..	¶	2121 9	204	55.9	40.0	47.9	+2.6	69	16	34	25	48.7	46.4	58	2.28	109	.53	9	12	10	0	0	1	1	0	4	0	6.78	135	48
Selly	St. Mary's ¶	..	18-7 7	163	54.5	45.9	50.2	+1.9	59	22	41	8	-	-	42	1.66	87	.46	8	13	8	0	0	0	0	2	-	2	5.89	94	43

¶§. § See Notes on Tables in Annual Summary.

†† Sunshine recorder is at Mount Stewart.

TABLE IV—Summary of Observations at fixed hours

APRIL, 1942

[illegible]

* Mean of hourly readings.

† Pressure at Station Level.

† Mean pressure at Station Level is 972.7 mb.

†† Mean pressures at Station Level are 984.9

mb.

mb. at 7 h., 984.7 mb. at 13 h. 984.4 mb. at 18 h., and
985.1 mb. at 21 h.

TABLE IV (continued)—Summary of Observations at fixed hours

APRIL, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
											0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Med. Vis.	Good Visibility			8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																0	1	2	3				4	5	6														7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
2 ENGLAND, N.E.—cont.		O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

TABLE IV (continued)—Summary of Observations at fixed hours

APRIL, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)			DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
										0	1 to 3	4 to 6	7 to 9	10	Fog			Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	7	6	5	4	3	2	1	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
															0	1	2																					3	4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
5 ENGLAND, S.E.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

TABLE IV (continued)—Summary of Observations at fixed hours

APRIL, 1942

Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
										0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
															0	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
8b ENGLAND, S.W.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

TABLE III (a)—SKY OBSERVATIONS, APRIL, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**		
	Number		GREENWICH	PORTRON
Persistently overcast days	0	Recorder in operation on	30 nights	27 nights
" cloudless "	0	Average exposure (hours)	7.90	7.8
" foggy "	0	Polaris unobserved	67	61
		(per cent.)		
		δ Ursæ Minoris (ditto)	62	47

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	
	Cal./cm. ² /diem.
Max. (on 16th) ..	603
Mean ..	256.7

M.O. 461

COPY FOR OFFICIAL USE

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 5.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1416 4

MAY, 1942.—Sunny and wet on the whole.

The weather of the month was distinguished by excessive sunshine, except locally in the south. The general rainfall was also above the average, notably so in south-west England and south Wales.

Mainly anticyclonic conditions prevailed at first; during the opening days pressure was relatively high over the British Isles and mainly fair weather occurred apart from local rain in the extreme north of Scotland on the 4th and 5th. By the 6th the highest pressure lay over France and was moving away south-east, while a depression northward of Scotland moved east and an associated trough south of Iceland swung south: some rain fell in north Scotland and the extreme north of Ireland and strong winds, with a gale locally, were reported in Scotland but elsewhere weather continued fair with abundant sunshine. Exceptionally dry air was experienced at this time in England; at 16h. on the 6th, the relative humidity at Nottingham was only 9 per cent. On the 7th the trough of low pressure over southern Scotland moved south-west causing rain in west and south Ireland and very slight rain locally in north-east England. In the rear of the trough an anticyclone south of Iceland extended south-east and became almost stationary. Meanwhile, on the 9th, a depression approached our south-west coasts and was associated with considerable rain at the mouth of the English Channel. This depression and an associated trough over northern France moved slightly northward during the next few days; rain fell at most places in England and Ireland on the 10th and there was scattered rain in the same two countries on the 11th; local thunderstorms occurred on the 10th and 11th. Subsequently a deeper depression off our south-west coasts moved somewhat east-north-east and then south-east; almost general rain was experienced in the southern half of England and south Ireland on the 12th and slight local rain in southern England on the 13th. On the 14th a ridge of high pressure moved eastward over the British Isles giving a fair day in most districts but further rain later in Ireland and extreme south-west England was associated with a depression approaching from the Atlantic. Meanwhile over much of Scotland the dry weather of the latter part of April persisted until after May 14th.

The latter half of the month was unsettled with frequent rain and local thunderstorms on almost every day. From the 15th-18th an Atlantic depression moved slowly north-east to a position off north-west Ireland and filled up; on the 15th an associated trough moved north-east over the British Isles and on the 16th-18th an active secondary moved quickly north-east from the Azores region to Scotland. General rain, heavy locally, occurred on the 15th, 17th and 18th and scattered showers on the 16th. Between the 19th and 21st relatively high pressure moved over the country from the Bay of Biscay to the North Sea; a short spell of less unsettled weather occurred with some good sunshine records, but there was scattered rain and a few local thunderstorms. There followed a spell of very unsettled conditions; on the 23rd a depression off the west of Ireland moved quickly north-north-east and on the 25th a new deep depression off north-west Ireland moved north-east; rainfall was general and heavy locally and local gales were reported on the 25th and 26th. From the 27th-30th a deep depression off north Ireland moved slowly east and then north-east and became less deep and on the 31st a wedge of high pressure moved in over the British Isles. Gales occurred in the south-west on the 28th. Rain occurred at times from the 27th-29th and there was scattered rain on the 30th and 31st. Sunshine records were fairly good on the whole and there were local thunderstorms on each day.

Pressure and Wind.—Mean pressure was below the average, the deviation at 7h. ranging from approximately -1.3 mb. at Lympe and -1.5 mb. at Yarmouth to -3.8 mb. at Renfrew. Local gales

occurred on the 5th-7th, 10th, 11th, 17th and 25th-29th. Among the highest speeds recorded in gusts were 83 m.p.h. at St. Mary's, Scilly and 69 m.p.h. at Pendennis Castle on the 27th, and 78 m.p.h. at the Lizard, 69 m.p.h. at St. Anne's Head and 68 m.p.h. at Larkhill on the 28th.

Temperature.—Mean temperature was not very different from the average, the deviation for the districts ranging from 0°F . in Scotland, N. and England, NW. to -1.3°F . in England, SE. The daily range of temperature was appreciably greater than the average in some parts; for example, over Scotland as a whole the range was 2.1°F . above the average. The highest day temperatures occurred in Scotland from the 1st-4th and 14th-17th and in England on the 6th and 7th. Low minimum temperatures were registered at times during the first ten days; particularly the 1st-4th and 8th-9th. A grass minimum temperature of 12°F . was registered at Balmoral on the 9th.

The extremes for the month were (England and Wales) 77°F . at Farnham on the 6th and at Bromley and Canterbury on the 7th, 21°F . at Castleton on the 9th; (Scotland) 71°F . at Liberton on the 15th, 20°F . at Braemar on the 8th and 9th; (Northern Ireland) 70°F . at Garvagh, Donaghadee and Armagh on the 6th, 29°F . at Garvagh on the 1st and 4th and at Aldergrove on the 4th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 178 over England and Wales, 111 over Scotland and 148 over Northern Ireland. In Scotland rainfall was below the average northward of the Caledonian canal and in some small coastal areas elsewhere; more than 150 per cent. of the average occurred over parts of a central area extending from the Dornoch Firth to Dumfriesshire and more than 175 per cent. in a small area stretching from north-east Perthshire to the Firth of Tay. In England and Wales less than 75 per cent. was received over most of Durham and the neighbouring part of Northumberland as well as that part of East Anglia in the neighbourhood of Yarmouth and Lowestoft increasing to more than 300 per cent. locally in south Devon and south Cornwall; at Falmouth it was the wettest May in a record back to 1871. In Northern Ireland the excess was general, percentages ranging from 131 at Omagh and Armagh to 200 at Seaford. The dry weather which began over a large part of the country on April 10th continued in many places in England until May 9th and over much of Scotland until May 14th.

Daily falls of 1 inch or more were reported in the extreme north of Scotland on the 5th, in south-west England from the 10th-12th and on most days from the 15th onwards, particularly in the western half of England and Wales. Falls exceeding 2 inches were recorded in south Wales on the 17th.

Sunshine.—On the whole sunshine appreciably exceeded the average: in Scotland, the excess was very marked except in the Shetlands where the duration was below the average. In parts of southern and eastern England there was a deficiency. The mean daily duration ranged from slightly more than 9 hours at Tiree, in the Hebrides, to less than 6 hours over most of Devon and Cornwall, a small area in Yorkshire, locally on the north-east coast of England, at Banff and the Orkneys and to less than 5 hours in the Shetlands.

Fog.—Local fog (chiefly morning) occurred at times mainly on the 1st, 4th-5th, 11th, 14th-23rd. Fog was fairly persistent locally on the south-west coasts on the 15th, 18th, and 19th.

Miscellaneous Phenomena.—The aurora was observed locally in Scotland on the 6th and 11th. Solar halos were noted at Oxford on 13 days. In a severe hailstorm at Norwich on the 30th hailstones were nearly $\frac{1}{2}$ inch in diameter.

TABLE I—DISTRICT VALUES—

MAY, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	67	21	0.0	—	—	110	-2	122	37
Eastern									
1 SCOTLAND, E.	71	20	-0.1	—	—	126	-1	130	43
2 ENGLAND, N.E.	75	21	-	+0.1	0.0	113	-1	121	42
3 ENGLAND, E.	75	24	-0.6	-1.4	-0.9	123	.0	98	42
4 MIDLAND COUNTIES	76	25	-0.2	-1.4	-0.1	160	+2	116	42
5 ENGLAND, S.E.	77	26	-1.3	-0.3	+0.3	171	+3	103	44

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	70	25	-0.2	-1.1	-0.9	131	-1	125	45
7 ENGLAND, N.W. (and N. Wales)	73	26	0.0	-1.3	-0.2	(146)	(+2)	118	44
8 ENGLAND, S.W. (and S. Wales)	73	25	(-0.5)	-1.1	+0.5	255	+3	98	38
NORTHERN IRELAND	70	29	-0.2	—	—	145	+2	119	42
MEAN 0, 1, 6	—	—	-0.1	—	—	—	—	126	42
MEAN 2, 3, 4, 5, 7, 8	—	—	-	—	—	—	—	109	42

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

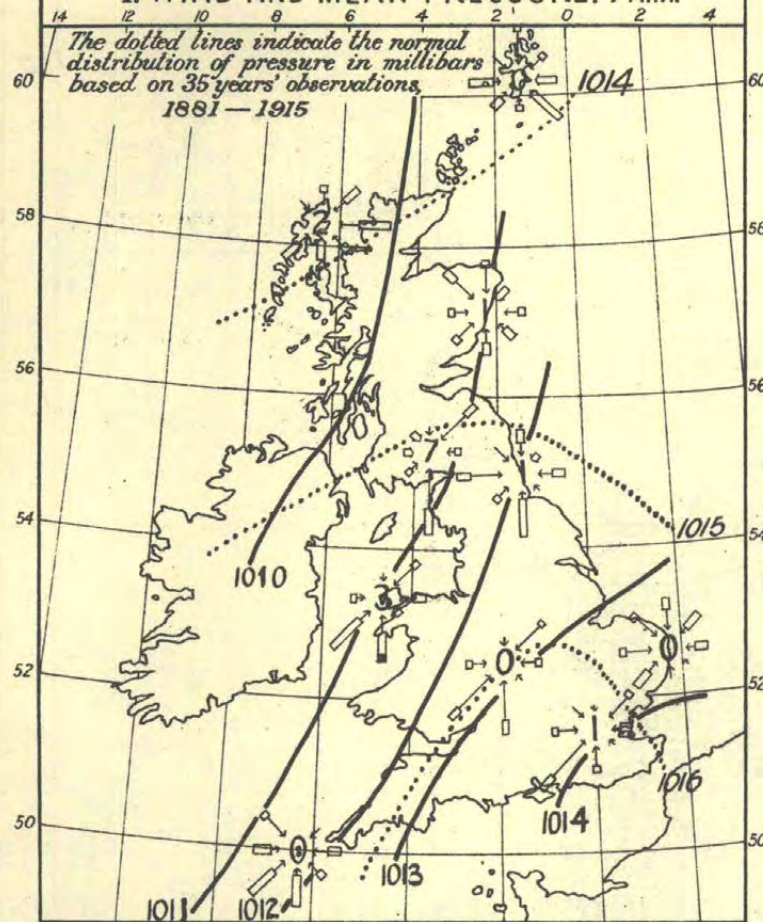
MAY, 1942

[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr		4 to 12 mi/hr		Less than 4 mi/hr		No Record		Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed mi/hr	m/s	Hour ended at day hr	Speed		Time			
																mi/hr	m/s	d	h	m	
0 SCOTLAND, N.	ft	ft	ft		hr		hr	hr	hr	hr	hr	*	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m	
Shetland Lerwick	310	53	39	5	1	12	104	411	220	8	0	250	39	17	5 02	54	24	5	00	05	
Orkney Kirkwall	170	40	35	-	0	9	88	307	284	65	0	(270)	34	15	6 03	56	25	6	04	55	
Hebrides Stornoway	120	40	36	-	0	14	98	353	249	44	0	230	38	17	6 17	58	26	6	15	45	
1 SCOTLAND, E.																					
Aberdeen Aberdeen	120	41	32	-	0	0	0	119	546	79	0	280	21	9	6 16	43	19	6	12	15	
Angus Bell Rock Lighthouse	130	—	126	6	1	17	119	337	207	80	0	250	43	19	6 15	51	23	6	16	15	
Edinburgh Edinburgh	485	39	23	-	0	1	3	198	409	134	0	270	26	12	6 18	45	20	6	15	45	
6a SCOTLAND, W.																					
Argyll Tiree	75	50	42	-	0	1	1	114	312	310	7	160	25	11	26 09	41	18	23	13	10	
Renfrew Paisley	188	81	31	-	0	0	0	167	437	140	0	70	20	9	10 15	45	20	6	12	50	
Renfrew (Abbotsinch)	65	46	34	-	0	1	2	177	384	162	19	270	26	12	6 09	51	22	6	13	05	
Dumfries Eskdalemuir ..	825	50	35	-	0	6	36	279	269	160	0	220	36	16	6 15	55	25	28	11	15	
6b ISLE OF MAN																					
Isle of Man Point of Ayre ..	70	40	35	-	0	14	90	360	260	34	0	270	35	16	6 13	51	23	27	19	20	
2 ENGLAND, N.E.																					
Durham South Shields ..	73	57	44	-	0	1	1	275	361	107	0	260	25	11	6 15	43	19	28	13	10	
Durham	389	53	33	-	0	2	4	349	301	90	0	220	30	13	27 12	57	25	27	11	05	
Yorks., N.R. Catterick ..	220	45	33	-	0	0	0	168	427	149	0	250	21	9	6 15	46	21	6	16	50	
Yorks., E.R. Spurn Head ..	64	42	34	25	4	15	112	439	171	15	3	180	43	19	25 15	59	26	25	14	30	
Lincoln Cranwell	284	43	33																		
3 ENGLAND, E.																					
Norfolk Gorleston	52	42	34	-	0	6	29	267	393	55	0	210	33	15	28 06	60	27	25	14	15	
Suffolk Mildenhall	98	83	58	-	0	6	36	323	319	62	0	190	43	19	25 13	64	29	25	12	35	
Bedford Cardington ..	285	150	135	25;28	4	6	36	323	319	62	0	190	43	19	25 13	64	29	25	12	35	
Essex Shoeburyness ..	115	104	89	26;28	3	8	47	352	280	62	0	180	42	19	26 17	54	24	26	16	50	
4 MIDLAND COUNTIES																					
Leicester Leicester	385	60	33	-	0	3	5	310	389	40	0	170	29	13	25 13	52	23	25	12	30	
Warwick Birmingham ..	643	118	73	-	0	3	5	310	389	40	0	170	29	13	25 13	52	23	25	12	30	
5 ENGLAND, S.E.																					
London Southgate	222	30	—	-	0	2	10	225	392	117	0	210	28	13	28 04	57	25	28	02	20	
Surrey Kew Observatory ..	92	75	50	-	0	2	10	225	392	117	0	210	28	13	28 04	57	25	28	02	20	
Croydon	313	105	70	-	0	6	35	240	403	66	0	220	31	14	28 06	55	25	26	17	05	
Kent Lympne	418	76	48	-	0	3	16	175	372	181	0	210	30	13	28 06	59	26	26	17	05	
Manston	199	46	40	-	0	3	16	175	372	181	0	210	30	13	28 06	59	26	26	17	05	
Hants Calshot	58	50	42	-	0	3	16	175	372	181	0	210	30	13	28 06	59	26	26	17	05	
Wiltshire Boscombe Down ..	462	45	33	28	1	5	30	269	318	126	0	200	39	17	28 03	66	29	26	15	00	
Larkhill	491	51	36	28	2	5	30	336	265	109	2	220	39	17	28 03	68	30	28	02	45	
7a ENGLAND, N.W.																					
Lancashire Fleetwood	112	50	31	-	0	6	35	354	283	72	0	250	31	14	6 15	49	22	25	09	45	
Manchester (Barton)	153	83	80	-	0	6	57	305	346	36	0	250	31	14	28 07	48	21	28	05	50	
Southport	60	42	33	-	0	6	57	305	346	36	0	250	31	14	28 07	48	21	28	05	50	
Cheshire Bidston Obs'y. ..	262	64	39	-	0	5	32	380	264	16	52	270	30	13	28 11	48	21	28	10	50	
Manchester (Ringway) ..	315	80	40	-	0	9	37	372	268	67	0	200	33	15	28 06	54	24	25	10	25	
7b NORTH WALES																					
Anglesey Holyhead	68	43	35	10	1	11	93	380	226	28	16	70	39	17	10 08	53	24	10	11	40	
Flint Sealand	81	65	42	-	0	0	0	160	426	157	1	230	20	9	28 14	40	18	28	07	55	
8a SOUTH WALES																					
Pembroke St. Ann's Head ..	212	70	—	24;25;27;28	11	16	180	284	265	4	0	220	47	21	28 01	69	31	28	01	15	
8b ENGLAND, S.W.																					
Devon Plymouth	185	88	65	25;27;28	8	11	80	295	253	102	6	250	44	20	27 24	78	35	28	00	05	
Cornwall The Lizard	315	75	60	25;27;28	22	16	145	268	227	82	0	250	53	24	27 23	69	31	27	22	45	
Pendennis Castle ..	265	65	42	25;27;28	22	16	145	268	227	82	0	250	53	24	27 23	69	31	27	22	45	
NORTHERN IRELAND																					
Antrim Aldergrove	328	60	42	-	0	1	2	241	314	187	0	220	25	11	6 11	47	21	23	11	20	
SCILLY ISLES																					
St. Mary's	230	65	57	27;28	7	14	131	310	276	20	0	220	48	21	28 01	83	37	27	21	30	

MONTHLY WEATHER CHARTS MAY 1942

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



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

LIGHT MODERATE GALE
10 20 30 Obs. in Inch

2. MOVEMENTS OF DEPRESSIONS.



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

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4 BRIGHT SUNSHINE, HOURS PER DAY

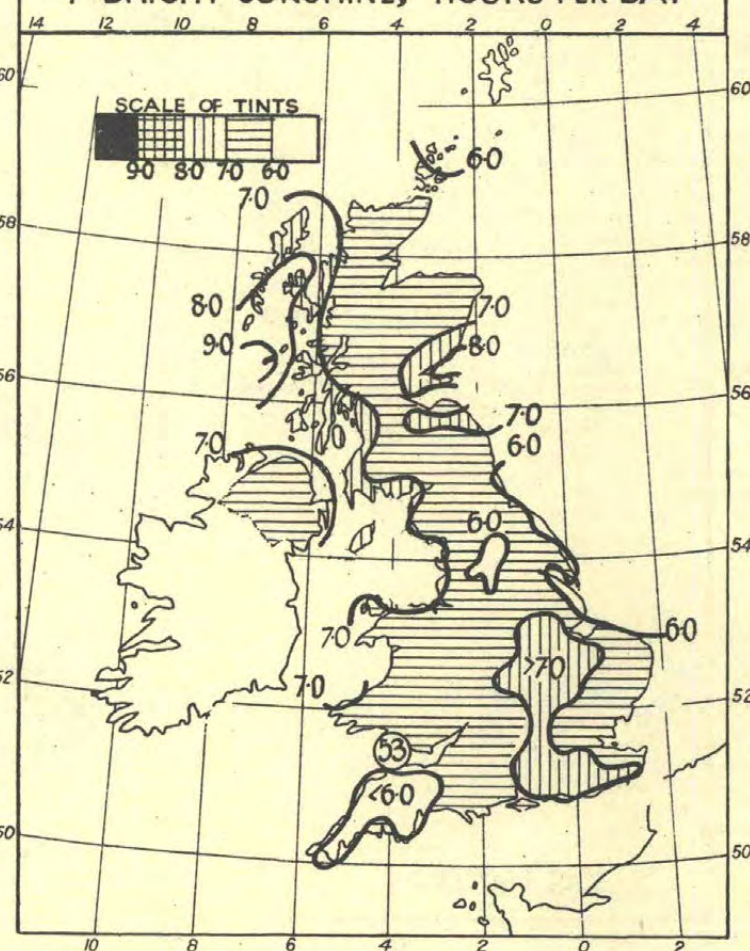


TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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			Per cent of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage							
					A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum	Date	mm	in										Amount	Date	in (1/16 in)	in (1/32 in)	of more	Daily Mean	of Average	of Possible
					G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%			
0 SCOTLAND, N.																															
Shetland		Baltasound ..	9 9 9	31	50.5	40.7	45.6	+0.7	55	21	32	9	-	89	3.52	168	.64	4	20	11	1	-	3	1	-	3	1	4.51	89	26	
		Lerwick Obsy. †	9 9 9	269	50.5	40.7	45.6	-	54	1.29	36	7	-	62	2.46	-	.54	5	11	9	0	0	1	1	0	3	0	4.51	89	26	
		Sumburgh (Links)	18-7 7	19	50.3	42.9	46.6	-																							
Orkney		Kirkwall ..	† 9 9 9	113	52.1	42.8	47.5	+0.2	58	29	35	8	48.1	56	2.19	105	.35	23	15	11	0	0	0	0	0	7	0	5.87	110	35	
Hebrides		Skallary ..	101010	30	55.3	44.7	50.0	-	59	2.20	37	4	-	53	2.07	-	.46	31	14	10	-	-	-	-	-	-	-	-	-	-	
		Stornoway †	18-7 7	79	53.5	43.1	48.3	+0.8	60	20	35	4	-	39	1.53	63	.35	25	15	10	0	0	0	0	0	-	0	7.67	132	46	
Skye		Duntuiln ..	9 9 9	294	54.2	42.2	48.2	-	61	16	32	10	-	41	1.63	-	.28	24	16	11	0	0	0	0	0	4	1	8.32	-	50	
Caithness		Wick ..	18-7 7	115	52.4	40.2	46.3	+0.2	59	19	30	8	-	50	1.96	95	.32	17.23	17	11	0	0	1	0	1	3	1	-	-	-	
Sutherland		Cape Wrath ..	18-7 7	367	-	43.7	-	-	-	-	38	7	-	75	2.93	-	1.27	5	14	10	0	0	0	0	1	0	0	-	-	-	
Ross & Cromarty		Achnashellach ..	9 9 9	225	58.8	39.0	48.9	0.0	67	2.14	25	3	-	65	2.57	57	.73	6	16	13	0	0	0	0	0	-	0	-	-	-	
		Fortrose ..	9 9 9	69	58.8	41.7	50.3	+1.0	66	6	32	1.8	-	69	2.70	-	1.10	27	14	12	0	0	0	1	0	-	1	6.73	123	41	
Inverness		Dalwhinnie ..	18-7 7	1176	56.1	35.0	45.5	-	66	2.4	21	1.2,3	-	90	3.54	-	.70	26	14	12	0	0	0	0	0	15	0	7.22	-	44	
		Ft. Augustus †	9 9 9	68	57.3	39.2	48.3	-0.4	67	16.21	28	1.3,9	-	55	2.18	92	.44	30	12	10	0	0	0	1	0	-	0	6.36	144	39S	
		Ft. William	9 9 9	34	59.0	40.3	49.7	-0.8	66	2	31	4.9	51.0	66	2.61	66	.46	30	15	12	0	0	0	0	0	8	0	6.76	124	41S	
		Inverness †	9 9 9	242	56.9	39.7	48.3	-1.1	66	16	29	10	-	56	2.22	120	.73	27	11	11	0	0	0	0	0	7	0	6.77	134	41	
		Onich ..	9 9 9	48	58.7	41.0	49.9	-	65	1.2,3	30	4	-	85	3.33	90	.42	23	18	16	0	0	0	0	0	10	0	5.97	118	37S	
1 SCOTLAND, E.																															
Nairn		Nairn ..	† 9 9 9	20	56.4	40.5	48.5	-0.6	68	16	27	1.8	-	67	2.65	147	1.09	27	13	9	0	0	1	2	0	13	1	6.77	128	41	
Moray		Forres ..	9 9 9	155	58.4	39.4	48.9	-	70	16	28	1.9	-	70	2.74	-	.60	28	12	10	0	0	0	2	0	11	0	6.87	-	42	
		Gordon Castle ..	2121 9	104	58.3	39.9	49.1	-0.4	68	17	30	9.14	-	37	1.47	69	.35	22	11	10	0	0	0	1	-	-	-	6.06	110	37S	
Banff		Banff ..	9 9 9	130	56.1	42.5	49.3	+0.5	66	17	32	9	-	33	1.32	70	.35	27	13	7	0	0	0	0	0	2	1	5.87	105	36	
Aberdeen		Aberdeen †	242424	79	53.6	42.5	48.1	+0.1	67	6	32	8.14	49.4	78	3.06	131	.48	27	15	11	0	0	0	2	2	5	0	6.65	121	40	
		Balmoral ..	9 9 9	927	56.1	36.0	46.1	-0.3	65	2	21	9	-	81	3.21	138	.73	30	15	11	0	0	0	3	-	15	0	-	-	-	
		Braemar ..	2121 9	1111	55.7	35.3	45.5	-0.8	65	2	20	8.9	-	91	3.57	150	.79	26	15	11	0	0	1	2	0	13	-	4.92	-	30S	
		Craibstone ..	9 9 9	300	54.4	39.9	47.1	+0.2	65	6	28	9	47.9	100	3.93	158	.80	29	15	9	0	0	1	1	-	8	-	6.90	131	42	
		Tarland ..	9 9 9	540	57.4	37.5	47.5	-	65	14.17	23	9	-	70	2.74	-	.68	30	17	11	0	0	0	2	-	-	0	-	-	-	
Kincardine		Stonehaven ..	9 9 9	12	56.8	38.5	47.7	-	67	6.19	26	9	-	81	3.19	-	.88	27	15	10	0	0	0	2	0	-	0	6.94	-	42	
Angus		Arbroath ..	9 9 9	93	55.5	40.3	47.9	-0.8	62	6.19	28	14	-	69	2.72	136	.61	15	13	8	0	0	1	2	1	8	0	8.45	143	52	
		Carnoustie ..	9 9 9	39																											
		Dundee ..	† 9 9 9	147	58.4	39.6	49.0	-0.1	66	16.17	29	2	51.4	93	3.64	182	.73	17	15	12	0	0	0	6	-	8	0	7.31	137	45	
		Kettins ..	9 9 9	218	58.2	39.5	48.9	-0.2	65	4.17	27	1.14	51.3	93	3.67	136	.64	30	14	10	0	0	2	3	1	9	1	-	-	-	
		Montrose ..	9 9 9	16	54.1	40.4	47.3	-0.4	63	6	29	1.8	-	59	2.34	-	.49	15	13	9	0	0	2	5	0	-	0	7.13	133	44	
Perth		Perth ..	9 9 9	76	60.1	40.9	50.5	+0.2	68	4	28	13	-	77	3.03	136	.46	17	12	10	0	0	1	2	-	-	0	7.26	132	45	
Fife		Cupar ..	9 9 9	210	57.0	41.1	49.1	+0.1	66	4	30	1.8	-	85	3.33	-	.57	17	14	12	0	0	1	3	-	-	0	-	-	-	
		Dunfermline ..	9 9 9	237	57.4	41.2	49.3	-	66	17	33	2.4,9	51.0	73	2.89	-	.65	17	13	11	0	0	1	2	0	8	1	7.38	-	46	
		Kirkcaldy ..	9 9 9	137	58.0	40.7	49.3	-0.8	68	17	31	3	-	65	2.58	-	.68	17	15	12	0	0	0	0	-	-	0	6.95	-	43	
		Leuchars ..	18-7 7	36	56.7	41.5	49.1	+0.8	69	24	32	8.9	-	87	3.43	176	.62	17	15	14	0	0	0	3	1	7	1	8.26	145	51	
		Lundin Links ..	9 9 9	40																											
		St. Andrews ..	9 9 9	13	55.5	40.8	48.1	-0.7	64	17	30	3.14	48.3	104	4.09	196	.75	17	16	10	0	0	0	4	1	4	0	7.89	144	48	
Mid Lothian		Balerno ..	9 9 9	750	55.5	39.5	47.5	-	64	15	27	9	-	59	2.34	-	.48	27	12	11	0	0	0	1	0	6	0	7.51	-	46	
		Edinburgh—																													
		Blackford H. †	2121 9	441	56.3	42.2	49.3	+0.4	65	15.17	32	9	-	37	1.47	72	.41	17	13	7	0	0	0	0	0	5	1	7.14	136	44	
		Botanic Garden	9 9 9	74	58.5	41.0	49.7	-	68	15.17	29	9	-	43	1.70	-	.41	17	14	8	0	0	0	0	0	-	-	6.81	-	42	
		'Univ. King's B.	9 9 9	225	57.8	42.1	49.9	-	69	17	30	9	52.0	35	1.39	-	.38	17	13	8	-	-	-	-	-	-	-	-	-	-	
		Boghall ..	9 9 9	639	56.8	38.9	47.9	+0.1	65	21.31	27	11	48.9	41	1.61	-	.44	17	13	9	0	0	0	1	0	8	-	5.98	118	37	
		Liberton ..	9 9 9	190	58.6	40.3	49.5	-	71	15	26	9.10	-	45	1.78	-	.41	17	13	9	0										

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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			Per centage of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible					
				A Max.	B Min.		Maximum	Date	Minimum	Date		mm	in													%	in	0 in (0.2 mm) or more	0 in (1.0 mm) or more	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	0 in (0.2 mm) or more	0 in (1.0 mm) or more	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible	
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	56.0	41.8	48.9	-	62	14	32	1,14	-	-	81	3.19	-	.79	17	14	11	0	0	1	1	-	-	-	-	-	-
	Colonsay ..	9 9 9	87	56.0	41.8	48.9	-	62	14	32	1,14	-	-	81	3.19	-	.79	17	14	11	0	0	1	1	-	-	-	-	-	-
	Dunoon (Benmore) ..	9 9 9	46	58.9	40.4	49.7	-	69	2	28	4	51.4	47.6	135	5.32	-	.99	23	16	15	0	0	0	0	11	0	5.76	-	368	
	Dunoon ..	9 9 9	132	59.1	39.5	49.3	-0.3	69	1	27	3,13	-	-	145	5.70	-	1.07	23	13	13	0	0	0	0	11	-	-	-	-	
	Glenbranter ..	9 9 9	120	57.0	42.3	49.7	-	-	-	34	13	-	-	71	2.80	-	.49	23	16	12	0	0	0	0	6	0	6.92	118	42	
	Oban ..	9 9 9	229	57.0	42.3	49.7	-	-	-	34	13	-	-	71	2.80	-	.49	23	16	12	0	0	0	0	6	0	6.92	118	42	
	Tiree ..	18-7 7	24	55.0	44.6	49.8	+0.1	61	21	36	4	-	-	62	2.43	97	.34	17	14	13	0	0	1	1	0	0	9.10	117	56	
Bute	Rothsay ..	2121 9	200	58.1	40.2	49.1	-0.8	66	1	34	1,9	50.8	47.6	97	3.80	125	.75	17,23	12	11	0	0	0	0	8	1	7.63	136	47	
Dumbarton	Cardross ..	9 9 9	130	59.0	41.4	50.2	+0.2	65	2,3,14	31	4	-	-	82	3.23	-	.75	23	14	12	0	0	0	0	0	0	5.84	113	368	
	Helensburgh ..	9 9 9	293	58.6	40.3	49.5	-1.0	67	2	31	3,9,13	-	-	83	3.28	108	.61	17	16	11	0	0	0	1	0	0	6.90	129	43	
Stirling	Balfour ..	9 9 9	342	58.0	39.4	48.7	-	67	2	28	4,8,9	-	-	86	3.40	-	.60	17	15	10	0	0	0	1	0	-	-	-	-	
	Stirling ..	9 9 9	151	59.1	42.3	50.7	0.0	65	4,21	34	1,9,10	50.9	45.6	73	2.87	-	.60	24	7	7	0	0	1	2	0	8	6.04	124	378	
Renfrew	Greenock ..	9 9 9	199	58.6	43.4	51.0	+0.7	67	2	34	9	-	-	86	3.38	104	.63	23	16	11	0	0	0	1	3	0	7.15	-	44	
	Paisley ..	2121 9	106	60.0	42.8	51.4	-0.1	67	2,3	32	8	50.9	47.5	74	2.92	117	.75	17	12	12	0	0	0	0	6	0	6.65	128	41	
	Renfrew (Abbotsinch) ..	18-7 7	19	59.9	41.1	50.5	+0.9	68	2	27	2	-	-	69	2.73	116	.67	17	15	11	0	0	1	0	4	8	0	6.52	125	40
Lanark	Carlisle ..	9 9 9	534	58.0	40.6	49.3	-	66	14,21	29	9	-	-	46	1.81	-	.44	17	12	11	0	0	1	1	0	8	0	6.94	-	43
	Dungavel ..	9 9 9	798	57.2	37.0	47.1	-0.4	63	14	27	8	-	-	64	2.52	-	.52	24,26	13	11	0	0	0	0	10	0	-	-	-	
	Glasgow ..	9 9 9	351	59.8	40.2	50.0	-	67	2	30	9	-	-	77	3.03	-	.74	17	15	13	0	0	2	1	-	11	6.13	-	38	
(Springb'n Park)																														
Ayr	Auchincruive ..	9 9 9	89	59.7	40.5	50.1	-	67	2	29	1,3,10	51.4	48.2	58	2.28	-	.61	17	11	10	0	0	0	0	11	0	7.55	-	47	
	Ayr ..	9 9 9	43	58.1	43.5	50.8	-	63	1	32	14	-	-	52	2.04	-	.67	17	12	9	0	0	0	0	1	0	7.32	-	45	
	Colmonell ..	9 9 9	170	58.7	39.7	49.2	-1.6	65	6	28	1,3,14	-	-	71	2.79	109	.45	17	14	12	0	0	2	0	10	0	-	-	-	
	Kilmarnock ..	9 9 9	130	60.3	40.6	50.5	-0.6	70	2	28	3,4	50.8	48.4	80	3.14	-	.96	17	14	12	0	0	0	0	7	0	7.80	136	48	
	Prestwick ..	9 9 9	17	57.4	42.1	49.7	-	64	2,16	30	3,8	-	-	58	2.29	-	.74	17	11	10	0	0	0	0	8	0	7.21	-	45	
	Troon ..	9 9 9	15	56.2	42.1	49.1	-	61	2,20,21	31	8,10	-	-	57	2.23	-	.82	18	11	11	0	0	0	0	0	(8)	0	7.72	-	48S
	Turnberry ..	9 9 9	30	58.2	43.3	50.7	0.0	63	16	35	10,14	-	-	39	1.55	76	.39	17	13	11	0	0	0	0	0	0	7.45	119	46	
Dumfries	Dumfries ..	9 9 9	140	58.6	41.1	49.9	-0.8	65	2,14	29	9	49.7	47.3	108	4.26	155	.84	17	15	14	0	0	1	3	0	14	-	6.94	121	43
	Eskdalemuir ..	242424	794	56.8	36.9	46.9	-0.4	64	14	25	4	48.2	45.0	137	5.41	164	1.07	25	14	13	0	0	4	2	1	9	0	6.66	128	39
	Ruthwell ..	18-7 -	67	57.2	38.3	47.7	+0.6	68	2,14	30	4	-	-	79	3.13	-	.75	17	12	10	0	0	0	4	-	0	7.06	128	44S	
Kirkcudbright	Glenlee ..	9 9 9	181	59.7	38.7	49.2	-	68	2	26	13	-	-	127	4.99	-	.95	17	15	13	0	0	1	1	0	15	0	-	-	-
Wigtown	Newton Stewart	9 9 9	75	59.4	41.5	50.5	-	67	2	30	4	-	-	83	3.28	-	.82	17	15	12	0	0	0	1	0	-	0	-	-	-
ISLE OF MAN																														
Isle of Man	Douglas ..	9 9 9	284	55.6	44.8	50.2	-0.3	60	2,5	36	9	-	-	107	4.22	169	1.09	27	15	12	0	0	0	0	0	0	0	7.64	118	48
	Point of Ayre ..	18-7 7	30	58.1	44.3	51.2	-	70	6	39	2	-	-	68	2.67	-	.62	27	15	11	0	0	0	0	0	0	0	7.65	-	48
ENGLAND AND WALES																														
Northumberland	Berwick-on-T. ..	9 9 9	76	54.3	42.4	48.3	+0.5	68	6	33	3,8	-	-	45	1.76	98	.38	27	13	8	0	0	0	4	0	3	0	7.23	135	45
	Bellingham ..	9 9 9	849	57.9	37.7	47.8	-0.5	66	17	28	1	-	-	53	2.07	86	.56	17	10	8	0	0	0	2	0	-	-	-	-	-
	Cockle Park ..	2121 9	325	-	-	-	-	-	-	-	-	50.2	47.6	39	1.55	70	.36	17	11	11	0	0	-	-	0	7	0	6.77	124	42
	Newcastle ..	9 9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tynemouth ..	18-7 7	108	54.2	45.1	49.7	+0.7	70	6	38	4	-	-	29	1.12	56	.28	23	10	7	0	0	0	2	0	0	0	-	-	-
Durham	Chopwellwood ..	9 9 9	446	58.4	40.7	49.5	+0.4	69	6	27	1	-	-	32	1.26	59	.25	17	12	9	0	0	1	1	0	9	-	5.98	117	37
	Durham ..	2121 9	336	58.7	39.6	49.1	-0.3	69	17	27	4	-	-	39	1.26	65	.45	20	11	8	-	-	-	0	5	0	6.81	132	43	
	Houghall ..	9 9 9	160	58.8	39.6	49.2	+0.3	69	17	24	4	-	-	41	1.61	-	.40	20	12	8	0	0	0	1	0	12	0	6.61	137	41
	Ushaw College ..	9 9 9	594	57.6	41.2	49.4	-0.1	68	30	31	1,4	-	-	53	2.07	96	.67	20	12	9	0	0	0	1	3	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	59.2	42.2	50.7	0.0	68	6,17	32	4,9	-	-	76	3.00	-	.59	17	12	10	0	0	0	0	1	(11)	-	6.20	-	39
	Castleton ..	9 9 9	450	56.7	39.7	48.2	-	69	6	21	9	48.7	-	62	2.44	-	.61	17	14	11	0	0	0	3	0	5	-	-	-	-
	Catterick ..	18-7 7	175	58.3	42.2	50.3	-	67	17	26	9	-	-	58	2.28	-	.41	17	16	9	0	0	0	2	1	6	0	6.75	-	42
	Redcar ..	9 9 9	25	57.5	43.9	50.7	-	70	17	31	3	-	-	26	1.01	-	.22	27	10	6	-	-	-	-	0	-	6.02	-	38	
	Scarborough ..	9 9 9	118	56.9	44.9	50.9	0.0	71	6	39	4	-	49.8	67	2.64	138	.69	18	12	10	0	0	0	1	0	0	5.91	104	37	
	Whitby ..	9 9 9	148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	York ..	9 9 9	57	-	-	-	-	-	-	-	-	-	50.5	47.5	65	2.57														

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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			Per centage of Average	Most in a day	Precip'n	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				A	B		Maximum	Date	Minimum	Date		Amount	Date											in (0.2mm)	in (0.1mm)	in (0.05mm)	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.											Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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			Per-centage of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage													
				A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum													Date	Amount	Date	0 in (0.2 mm) or more	0.1 in (1.0 mm) or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss-ible
G.M.T.		ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in											hr	%	%								
4 MID COUNTIES—cont.																																				
Stafford	Market Drayton	9 9 9	581	60.7	40.4	50.5	-	70	6	25	6	-	-	97	3.83	-	87	18	15	13	0	0	2	1	0	7	-	6.61	-	42						
	Mayfield ..	9 9 9	374	60.5	40.5	50.5	-0.2	72	6	26	4	-	-	91	3.60	161	58	10	15	13	0	0	1	3	-	6	-	6.78	120	43						
Shropshire	Newport ..	9 9 9	211	61.5	40.3	50.9	-	72	6	25	1	-	-	77	3.05	164	48	18	17	12	0	0	2	1	0	8	-	6.37	-	41						
	Shrewsbury	9 9 9	184	61.3	43.2	52.3	0.0	71	6	29	1	52.8	50.8	100	3.93	-	75	18	14	13	0	0	1	1	0	9	0	6.50	-	41						
Worcester	Droitwich	9 9 9	106	61.8	41.8	51.8	-	72	6	25	4	-	-	97	3.83	-	95	10	13	11	0	0	0	2	0	-	-	7.01	-	45						
	Malvern ..	9 9 9	380	61.6	44.0	52.8	-0.7	72	6	35	9	53.0	49.8	98	3.85	178	53	10	13	13	0	0	0	0	3	3	-	6.82	107	44						
Worcester	Prestwood	9 9 9	260	62.2	43.0	52.6	-	73	6,7	30	2	-	-	101	3.96	-	92	18	14	13	0	0	0	1	0	4	-	-	-	-						
	Worcester (Perdiswell)	9 9 9	94	63.7	42.8	53.3	+1.2	76	7	28	4	-	-	89	3.52	-	77	10	13	11	0	0	0	2	-	6	-	6.73	-	43						
Hereford	Bromyard	9 9 9	393	62.8	42.1	52.5	+0.2	72	7,16,17	29	4	52.9	49.1	73	2.87	-	63	10	13	13	0	0	1	0	2	3	-	-	-	-						
	Hereford	9 9 9	292	62.4	42.2	52.3	-0.4	75	7	32	5	-	-	129	5.09	233	56	10	14	13	-	-	-	-	0	6	-	-	-	-						
Gloucester	Ross-on-Wye	18-7 7	223	61.2	43.8	52.5	-0.2	72	7	32	2	53.1	50.3	93	3.64	171	63	27	14	13	0	0	0	2	1	5	0	6.51	109	42						
	Cheltenham	2121 9	214	62.7	43.0	52.9	-1.0	73	7	34	2,3,4	54.7	52.6	80	3.14	169	58	26	18	14	0	0	1	1	0	5	0	6.28	103	40						
Gloucester	Parkend ..	9 9 9	325	61.4	41.2	51.3	-	71	7	30	4	51.3	48.7	142	5.58	-	1.27	17	13	13	0	0	0	0	0	8	-	6.15	-	39						
	Stonehouse	9 9 9	150	62.6	43.4	53.0	-	71	3,7	31	4	-	-	93	3.66	-	55	17	15	13	0	0	0	1	1	5	-	-	-	-						
5 ENGLAND, S.E.																																				
London	City, Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Camden Square ..	9 9 9	110	64.4	46.9	55.7	-0.7	76	7	39	1	54.9	50.7	66	2.60	148	68	10	15	13	0	0	2	1	-	1	-	-	-	-						
London	East Ham	9 9 9	15	64.5	46.3	55.4	+0.8	74	6,7	37	1	-	-	65	2.55	161	91	10	14	12	-	-	-	-	-	-	-	-	-	-						
	Enfield ..	9 9 9	87	62.5	44.6	53.5	-1.3	73	7,8	33	4	-	51.2	73	2.86	163	72	10	15	14	0	0	0	1	0	1	-	6.88	108	44						
London	Greenwich	2424 9	149	62.8	44.8	53.8	-0.4	74	6,7	37	1	51.7	49.5	72	2.83	164	74	10	18	13	0	0	0	2	0	8	1	6.82	108	44						
	Hampstead	9 9 9	450	60.8	42.8	51.8	-1.5	73	7	34	1	-	-	65	2.55	-	70	10	14	11	0	0	0	3	-	1	-	6.21	95	40						
London	Kensington	18-9 9	80	64.0	46.8	55.4	+0.3	75	6,7	37	4	54.6	50.9	70	2.77	159	77	10	15	14	0	0	0	0	-	1	0	-	-	-						
	Kingsway	9 9 9	129	63.4	46.1	54.7	-	74	7	38	1,3	-	-	66	2.61	-	69	11	14	13	0	0	0	0	1	0	-	6.70	107	43						
London	Regent's Park	2424 4	18	61.7	46.2	53.9	-0.8	71	7	39	3	54.1	50.4	76	3.00	173	73	10	18	14	0	0	2	4	1	6	0	7.24	113	47						
	Kew Observatory	18-7 -	-	61.7	46.5	54.1	-0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
London	Southgate	9 9 9	221	62.5	44.9	53.7	-	73	6,7	35	9	53.3	-	71	2.81	-	69	10	16	13	0	0	1	3	0	5	-	6.57	-	42						
	Tottenham	2121 9	54	64.2	46.5	55.3	-0.3	75	6,7	38	4	-	50.9	60	2.36	143	70	10	17	11	0	0	0	1	-	0	-	6.91	106	45						
London	Wealdstone	9 9 9	195	63.4	45.2	54.3	-	74	6,7	36	9	-	-	78	3.07	171	78	10	15	13	0	0	2	4	0	0	1	-	-	-						
	Westminster	9 9 9	27	63.4	47.3	55.3	-0.5	74	6,7	40	1	-	-	63	2.48	154	69	10	15	13	0	-	0	0	-	0	-	6.36	103	41						
Surrey	Addington	9 9 9	475	61.3	43.4	52.3	-0.8	72	6,7	34	1,5	-	-	87	3.41	-	81	10	16	12	-	-	-	-	0	-	-	-	-	-						
	Croydon ..	18-7 7	217	61.8	44.7	53.3	-0.2	74	7	31	3	-	-	87	3.42	186	63	10	16	14	0	0	0	1	0	2	0	7.44	121	48						
Surrey	Farnham	9 9 9	260	63.7	42.6	53.1	-	77	6	28	3	-	-	81	3.18	-	80	23	15	11	0	0	0	1	0	6	-	-	-	-						
	Milford ..	9 9 9	180	63.5	41.6	52.5	-	73	6	26	3	-	-	90	3.54	-	73	23	16	12	0	0	0	0	0	6	-	7.38	-	48						
Surrey	Wisley ..	9 9 9	150	62.9	44.4	53.7	-0.4	75	6	31	3	54.5	50.5	78	3.07	200	61	10	17	14	0	0	0	3	0	8	2	7.01	109	45						
Kent	Biggin Hill	18-7 7	567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Bromley ..	9 9 9	213	63.6	45.1	54.3	-	77	7	33	4	-	-	78	3.07	183	77	10	17	11	0	0	0	2	0	4	-	-	-	-						
Kent	Canterbury	9 9 9	135	62.4	45.1	53.7	-0.6	77	7	33	4	53.6	50.6	75	2.96	-	64	12	14	11	-	-	-	-	3	-	-	-	-	-						
	Deal ..	9 9 9	25	59.5	45.7	52.6	-0.1	73	18	36	4	53.4	50.6	81	3.18	-	83	12	15	14	0	0	0	3	1	4	-	6.97	97	5						
Kent	Dover ..	9 9 9	19	58.9	44.4	51.7	-1.6	73	18	33	3	-	-	70	2.77	167	59	10	15	12	0	0	0	3	-	-	-	-	-	-						
	Dungeness	18-7 7	20	57.0	44.6	50.8	-1.2	67	19	30	8	-	-	61	2.38	183	63	10	15	12	0	-	0	2	6	-	0	-	-	-						
Kent	East Malling	9 9 9	132	61.7	43.0	52.3	+0.1	75	7	29	3	-	-	102	4.03	-	82	10	17	17	0	0	1	3	0	5	0	6.20	103	40						
	Goudhurst	9 9 9	290	61.3	43.1	52.2	-	72	7,18	30	4	-	-	93	3.67	-	79	23	18	12	0	0	0	3	0	8	-	-	-	-						
Kent	Lympe ..	18-7 7	346	57.9	43.4	50.7	-0.8	69	18	32	3	-	-	65	2.55	163	43	10	16	11	0	0	3	4	2	5	0	7.00	97	45						
	Manston ..	18-7 7	154	59.3	45.0	52.1	-	72	18	37	2,3	-	-	63	2.50	-	50	10	14	13	0	0	2	4	0	0	0	7.11	-	46						
Kent	Ramsgate	9 9 9	80	57.1	46.7	51.9	-1.0	69	18	40	3,4	-	-	66	2.59	-	50	10	13	12	0	0	0	3	0	-	-	6.46	87	42						
	Tunbridge W.	9 9 9	351	62.2	43.1	52.7	-0.8	74	18	29	3	55.4	52.1	91	3.60	-	75	23	16	12	0	0	0	3	0	4	1	7.53	109	49						
Kent	Whitstable	9 9 9	9	61.4	45.8	53.6	-	74	18	35	4	-	-	80	3.13																					

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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	Per cent- age of Average			Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage							
					A	B		Maximum	Date	Minimum			Date	Amount		Date	of more							of more	Daily Mean	of Average	of Poss- ible				
					Max. Min. Rain	A Max.		B Min.	Mean of A and B	Max.			Date	Min.		Date	ft							4 ft	mm	in	%	in	0.1 in (2.5 mm) or more	0.01 in (0.25 mm) or more	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%	%
5 ENGLAND, S.E.—cont.																															
I. of Wight	Newport ..	9 9 9	48	63.1	43.5	53.3	-0.2	71	6,7	31	2	-	-	103	4.06	-	.79	12	16	11	0	0	0	0	5	-	-	-	-		
	Ryde ..	9 9 9	13	60.7	46.5	53.6	-0.7	70	6	38	2	-	-	81	3.19	-	.65	23	11	10	0	0	0	0	0	0	6.88	95	45		
	St. Catherine's Point	18-7 7	150	56.6	45.6	51.1	-	61	20	37	1,16	-	-	84	3.32	-	.93	10	11	9	0	0	0	0	3	-	-	-	-		
	Sandown ..	9 9 9	13	58.7	46.4	52.5	-1.8	67	6,7	36	2	-	-	84	3.31	-	.66	23	12	10	0	0	0	0	-	-	6.53	88	42		
	Totland Bay ..	9 9 9	140	58.2	45.3	51.7	-1.6	65	20	36	2	-	-	70	2.74	157	.49	23	13	10	0	0	0	0	1	4	2	6.94	96	45	
	Ventnor(Hospital)	9 9 9	60	58.5	46.8	52.7	-1.4	65	7	39	1	-	-	95	3.76	221	.80	10	13	9	0	0	0	0	-	0	6.58	92	43		
	Wiltshire	Amesbury (Boscombe Down)	18-7 7	417	60.9	42.7	51.8	-	71	6,7	33	1	-	-	89	3.52	-	.58	23	17	13	0	0	1	0	1	7	1	6.40	-	41
Larkhill ..	9 9 9	440	60.0	42.8	51.4	-0.3	70	6	32	1	-	-	92	3.66	221	.64	23	17	14	0	0	0	0	8	0	-	-	-	-		
	Marlboro' †	9 9 9	424	60.8	41.2	51.0	-0.9	71	7	28	2,3,4	52.4	49.2	113	4.46	224	.65	25	18	15	0	0	0	0	7	1	6.45	111	42		
	Porton ..	9 9 9	363	61.0	42.3	51.7	+0.2	71	6	33	1,2,4	52.8	-	87	3.43	200	.63	26	14	12	0	0	0	0	7	0	6.60	109	43		
	7a ENGLAND, N.W.																														
Cumberland	Keswick ..	9 9 9	254	58.6	42.7	50.7	-0.5	65	16,18	30	1,3	50.9	47.0	122	4.79	150	.78	24	15	13	0	0	0	0	6	0	6.39	112	40		
	Newton Rigg †	2121 9	560	58.9	40.3	49.6	-0.5	65	14,16	27	10	-	-	-	-	-	.43	17	-	-	0	0	0	0	11	0	7.26	125	45		
Westmorland	Ambleside ..	9 9 9	145	60.1	42.5	51.3	-	68	14	27	9	-	-	139	5.46	-	1.31	17	16	14	0	0	0	0	-	-	6.16	-	39		
	Appleby ..	9 9 9	440	58.6	40.6	49.6	-0.1	68	19	26	1	-	-	80	3.15	143	.74	27	14	11	0	0	0	0	-	-	-	-	-		
Lancashire	Blackpool ..	9 9 9	65	58.0	44.0	51.0	-0.7	65	15,16,17	33	4,9	53.3	49.8	80	3.15	144	.70	17	17	14	0	0	1	1	0	6	-	7.09	111	45	
	Bolton ..	9 9 9	342	59.5	41.8	50.7	-1.2	70	6	33	3	49.8	46.9	104	4.11	154	.56	29	18	15	0	0	0	1	-	1	-	5.75	131	36	
	Burnley ..	9 9 9	458	58.4	42.2	50.3	-0.2	67	16,17	30	1,3	49.8	46.4	83	3.26	-	.76	25	17	14	0	0	1	1	0	9	-	-	-		
	Darwen ..	2121 9	724	58.2	41.5	49.9	-0.6	67	6	33	9	50.6	46.5	104	4.11	128	.79	17	17	15	0	0	0	0	1	3	-	6.48	123	41	
	Fleetwood ..	9 9 9	21	58.3	44.2	51.3	-	66	16	35	4	-	-	80	3.15	-	.62	17	18	15	0	0	0	0	0	4	0	6.40	-	40	
	Hutton ..	9 9 9	82	59.5	42.6	51.1	-0.2	67	6,17	32	3,4	51.1	47.8	76	3.00	-	.57	17	16	14	0	0	0	1	-	5	0	6.44	111	41	
	Leyland ..	9 9 9	125	59.6	43.0	51.3	+0.1	68	6	33	1	-	-	66	2.60	118	.63	17	17	14	0	0	0	2	3	8	-	-	-		
	Manchester (Burnage)	9 9 9	147	61.6	43.9	52.7	-	71	6	32	2	-	-	118	4.66	-	1.49	18	15	11	0	0	0	0	-	4	-	6.47	-	41	
	(Whitworth Pk.)	2121 9	125	60.5	44.7	52.6	-0.5	70	6	37	3,4	51.0	49.0	103	4.05	191	1.32	18	16	13	0	0	0	1	0	3	0	6.16	129	39	
	Morecambe ..	9 9 9	23	56.8	45.1	50.9	-1.7	66	17	32	9	-	-	72	2.83	124	.61	17	17	12	0	0	0	1	0	-	0	7.35	112	41	
	Nelson ..	9 9 9	540	57.4	42.9	50.1	-	65	17	32	4,9	51.5	47.2	63	2.48	-	.64	25	16	11	-	-	-	3	4	-	5.98	-	38		
	Southport (Bedford Rd.Pk.) †	9 9 9	35	58.6	43.8	51.2	-0.5	67	14	33	1	52.1	50.5	90	3.54	169	.64	27	18	15	0	0	0	1	0	6	0	7.27	113	46	
Stonyhurst †	9 9 9	377	58.0	43.6	50.8	-0.3	65	17	34	9	-	-	64	2.52	88	.50	25	17	13	0	0	0	3	0	3	0	6.63	118	42		
Cheshire	Bidston Obs'y ..	9 9 9	198	58.1	45.0	51.5	-0.7	67	6,16	37	9,10	-	-	85	3.36	177	.57	10	17	15	-	-	-	1	1	0	6.69	107	42		
	Hoylake ..	9 9 9	23	59.6	43.9	51.7	-0.8	67	6	30	1	-	-	96	3.78	200	.68	20	18	15	0	0	2	2	-	5	-	7.07	114	45	
	Macclesfield ..	9 9 9	500	59.4	43.1	51.3	-0.2	70	6	31	2	-	-	103	4.07	172	1.20	18	17	11	0	0	1	0	2	-	-	-	-	-	
	Manchester (Ringway)	18-7 7	235	59.7	43.4	51.5	-	70	6	34	2,3	-	-	131	5.15	-	1.61	18	17	15	0	0	0	2	0	5	0	-	-	-	
	Warburton ..	9 9 9	68	60.4	41.9	51.1	-	71	6	30	3	-	-	88	3.45	-	.67	10	16	14	0	0	1	2	0	9	-	6.38	-	40	
West Kirby ..	9 9 9	25	59.2	44.2	51.7	-0.2	67	6	32	1	-	-	93	3.66	193	.49	10	19	15	0	0	1	2	0	7	-	6.93	112	44		
7b NORTH WALES																															
Flint	Hawarden B'dge	9 9 9	17	61.9	43.4	52.7	-0.2	70	6	29	10	-	-	71	2.79	-	.50	10	15	14	0	0	0	0	-	-	-	-	-	-	
	Prestatyn ..	9 9 9	18	61.3	45.2	53.3	-	67	6	35	1,9	-	-	63	2.49	-	.57	30	15	13	0	0	0	2	0	-	-	6.76	-	43	
	Rhyl ..	9 9 9	31	58.8	44.7	51.7	-0.5	67	6,14	32	1	-	-	63	2.49	140	.90	30	16	11	0	0	0	0	6	0	7.02	107	44		
	Sealand .. †	18-7 7	16	60.0	44.4	52.2	+0.7	70	6	29	10	51.2	48.8	77	3.01	165	.48	10	15	13	0	0	0	2	0	3	0	6.89	128	44	
Anglesey	Holyhead †	8 8 8	26	56.8	45.4	51.1	+0.4	62	21	40	4,10	-	-	81	3.19	163	.81	17	15	11	-	-	-	-	3	-	6.87	105	43		
	Holyhead (Valley)	18-7 7	32	57.5	44.7	51.1	-	61	3,9,21	32	3	-	-	80	3.14	-	.69	10,17	14	11	0	0	1	0	0	3	2	-	-	-	
Denbigh	Colwyn Bay ..	9 9 9	118	59.7	45.3	52.5	-0.2	69	6,28	34	10	-	-	56	2.21	113	.34	17	18	14	0	0	0	0	-	-	7.03	108	45		
Carnarvon	Aber ..	9 9 9	60	59.0	46.1	52.5	+1.0	63	6,15,21	37	4	-	-	102	4.01	-	.85	24	15	13	0	0	0	1	0	6	0	7.05	120	45	
	Llandudno ..	9 9 9	13	58.2	45.6	51.9	-0.5	65	16	34	1	-	-	71	2.81	158	.84	21	16	11	0	0	0	1	0	5	0	6.96	107	44	
Merioneth	Bala ..	9 9 9	535	61.5	43.6	52.5	-	69	2	28	1,3,4	-	-	119	4.68	-	.82	27	17	14	0	0	0	1	0	-	0	-	-	-	
Montgomery	Lake Vyrnwy ..	9 9 9	750	58.8	41.9	50.3	-	67	2	32	4	-	-	146	5.75	-	1.22	17	15	14	1	0	0	1	0	5	-	-	-	-	
	Welshpool ..	9 9 9	254	63.0	40.6	51.8	-0.5	73	4	28	1	-	-	117	4.59	209	.73	18	18	15	0	0	1	0	1	-	-	-	-	-	
8a SOUTH WALES																															
Cardigan	Aberporth ..	18-7 7	376	57.2	44.5	50.9	-	65	6,8,9	36	1,3	-	-	101	3.98	-	.														

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

MAY, 1942

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	Per-centage of Average			Most in a day	Precip'n -0.01 in (0.2 mm) or more	-0.01 in (0.2 mm) or more	Snow	Snow lying	Hall	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage of Average	of Poss-ible						
				A Max.	B Min.		Mean of A and B	Maximum	Date																		Minimum	Date				
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	Amount	Date											hr	%	%
8a SOUTH WALES—contd.																																
Brecknock	Cantref ..	9 9 9	1080	56.2	40.9	48.5	-	66	7	31	6	-	-	211	8.29	-	1.53	17	19	16	0	0	0	0	0	-	-	5.44	-	35	-	
	Crickhowell ..	9 9 9	230	61.2	41.3	51.3	-	71	7	30	4	-	-	158	6.23	-	.84	17	14	14	0	0	0	0	0	11	-	-	-	-	-	
Glamorgan	Cardiff ..	2121 9	203	60.6	44.3	52.5	-0.5	68	6.7	36	9	52.8	49.7	137	5.41	221	.89	10	15	15	0	0	0	1	0	2	0	6.59	102	43	-	
	Swansea ..	9 9 9	33	59.6	47.0	53.3	-1.0	68	3.6	40	6	56.1	53.7	158	6.21	-	1.58	17	16	15	0	0	1	0	0	4	-	6.20	102	40	-	
8b ENGLAND, S.W.																																
Monmouth	Newport ..	9 9 9	265	61.6	44.4	53.0	-0.3	72	3.7	36	9	54.0	51.9	142	5.58	-	.87	10	16	14	-	-	-	0	-	-	6.49	-	42	-		
	Usk ..	9 9 9	70	63.0	42.4	52.7	+1.0	72	7.8	29	2	56.6	-	(161)	(6.35)	-	1.07	17	(17)	(15)	0	0	0	0	7	4	0	5.99	128	38	-	
Somerset	Bath ..	9 9 9	67	61.5	44.2	52.9	-1.2	71	7	32	2	55.1	51.8	120	4.71	240	.65	10	17	14	0	0	1	1	0	-	0	6.51	107	42	-	
	Bristol (Airport) ..	18-7 7	209	60.7	43.5	52.1	-	70	7	33	4	-	-	125	4.94	-	1.06	29	18	16	0	0	2	2	1	7	0	6.40	-	41	-	
	Cannington ..	9 9 9	95	61.2	43.4	52.3	-	68	7	30	6	-	-	148	5.82	-	.89	12	19	16	0	0	0	1	0	7	0	6.05	-	39	-	
	Long Ashton ..	9 9 9	162	61.1	43.2	52.1	-0.7	71	7	33	1.4	-	-	130	5.12	243	1.26	29	17	13	0	0	2	1	0	6	0	6.52	106	42	-	
	Taunton ..	9 9 9	230																													
	Weston-super-Mare	9 9 9	28	59.9	45.5	52.7	-	66	7	37	1.4, 10	-	-	115	4.54	248	1.24	12	16	14	0	0	0	0	0	3	-	6.67	112	43	-	
Dorset	Holton Heath ..	9 9 9	64	60.5	43.3	51.9	-0.8	69	3	33	1.2	55.4	53.3	95	3.76	-	.65	26	14	12	0	0	0	0	1	6	0	6.62	100	43	-	
	Poole ..	9 9 9	18	63.2	44.2	53.7	-	71	3	33	3	-	-	96	3.78	-	.71	26	14	13	0	0	0	0	0	-	-	6.67	-	43	-	
	Portland Bill ..	18-7 7	32	53.4	46.2	49.8	-2.1	58	2.14	40	2	-	-	88	3.48	247	.83	12	13	12	0	0	0	0	2	-	0	-	-	-	-	
	Shaftesbury ..	9 9 9	722	59.4	42.4	50.9	-	67	6.7	33	1	-	-	86	3.39	-	.57	25	13	12	0	0	0	0	-	-	-	-	-	-	-	
	Swanage ..	9 9 9	14	58.1	45.5	51.8	-	65	3.7, 31	36	5	-	51.2	93	3.68	-	.64	23	14	11	0	0	0	0	0	1	-	7.21	-	47	-	
	Weymouth ..	9 9 9	16																													
Devon	Barnstaple ..	9 9 9	25	60.1	43.2	51.7	-1.8	66	7.21	28	1	-	-	108	4.27	206	.62	10	15	13	-	-	-	0	5	-	-	-	-	-	-	
	Cullompton ¶	9 9 9	202	62.9	42.4	52.7	-1.4	73	6.7	31	1.2, 6	55.0	-	146	5.75	266	.87	10	17	17	0	0	0	0	1	7	-	5.59	95	36	-	
	Dawlish ..	9 9 9	17	59.3	45.3	52.3	-	69	3	36	1	-	-	164	6.44	-	1.00	12	15	15	-	-	-	0	0	-	-	5.92	-	38	-	
	Exmouth ..	9 9 9	195	57.2	45.2	51.2	-1.9	65	3	34	1	-	-	142	5.59	-	1.06	10	16	14	0	0	0	0	1	-	0	5.88	94	38	-	
	Hartland Pt. ..	18-7 7	299	55.5	47.4	51.5	-	62	6.20	42	1.9, 10	-	-	101	3.96	-	.54	10	16	13	0	0	1	0	0	0	1	5.89	-	39	-	
	Ilfracombe ..	9 9 9	25	57.5	47.1	52.3	-1.0	63	6.16, 20	39	1	55.0	53.3	137	5.37	271	.78	17	16	13	0	0	0	1	0	2	-	6.79	106	44	-	
	Killerton ..	9 9 9	159	62.2	40.5	51.3	-2.1	70	7	29	1	-	-	129	5.10	-	.97	12	18	18	-	-	-	0	6	-	-	-	-	-	-	
	Newton Abbot ..	9 9 9	375	59.8	43.4	51.6	-1.1	71	5	37	1.2, 9	-	-	185	7.29	375	1.33	12	15	15	0	0	0	0	1	10	-	5.34	95	35	-	
	(Seale-Hayne Coll.)																															
	Plymouth (Hoe)	2121 9	117	58.9	46.6	52.7	-0.8	68	3	38	1.6	53.2	51.2	129	5.07	245	.66	17	18	16	0	0	0	2	0	3	1	6.25	96	41	-	
	Plymouth (Mount Batten)	18-7 7	82	57.8	45.4	51.6	-1.0	66	4	35	1.6	-	-	127	5.00	-	.68	1	17	16	0	0	0	1	0	2	2	6.01	95	39	-	
	Princetown ..	9 9 9	1359	55.7	41.5	48.6	-0.9	67	6	35	9	-	-	300	11.82	276	1.64	25	18	16	0	0	3	1	7	1	-	-	-	-	-	
	Seaton ..	9 9 9	43	57.4	44.4	50.9	-	68	3	35	2.6, 7	-	-	148	5.84	-	1.17	10	16	14	0	0	1	0	2	1	-	-	-	-	-	
	Sidmouth ..	9 9 9	25	58.3	44.4	51.3	-1.4	69	29	36	2.6, 7	-	-	140	5.52	-	.90	10	12	12	0	0	0	0	0	0	-	6.16	-	40	-	
	Tavistock ..	9 9 9	457																													
	Teignmouth ..	9 9 9	20	58.6	45.4	52.0	-2.0	67	3	36	1	-	-	160	6.29	344	.98	10	18	15	0	0	0	0	1	-	5.92	90	38	-		
	Torquay ..	9 9 9	27	58.8	45.9	52.3	-2.1	68	5	37	1	-	53.3	158	6.22	330	1.13	12	17	15	0	0	1	0	0	0	2	5.85	85	38	-	
	Totnes ..	9 9 9	100	59.5	41.3	50.4	-	68	6	25	1	53.1	-	172	6.76	-	1.11	12	18	15	0	0	0	0	-	7	0	-	-	-	-	-
Cornwall	Bude ..	9 9 9	50	58.5	45.4	51.9	-0.8	65	20	30	1	-	-	113	4.46	242	.61	10	18	15	0	0	1	0	0	-	5.76	90	37	-		
	Ellbridge ..	9 9 9	200	59.1	44.4	51.7	-	67	4	32	7	-	-	178	7.00	-	1.00	17	18	16	0	0	0	1	0	7	-	6.18	-	40	-	
	Falmouth Obs. ¶	9 9 9	167	58.1	47.1	52.6	-0.6	65	7	39	6	55.6	54.1	167	6.58	298	1.00	17	18	17	0	0	1	1	2	2	-	5.95	89	39	-	
	Fowey ..	9 9 9	51	59.2	45.7	52.5	-1.2	69	(3)	(34)	(6)	-	-	157	6.17	-	1.16	12	19	18	0	0	1	0	0	-	5.39	86	35	-		
	Gulval ..	9 9 9	20	57.8	46.9	52.3	-0.4	64	4	39	5.6	-	-	141	5.56	-	.95	17	20	17	0	0	1	0	1	1	-	5.98	95	39	-	
	The Lizard ..	18-7 7	240	55.0	46.7	50.9	-	60	6	40	1	-	-	146	5.76	-	.71	17	19	16	0	0	1	0	2	-	1	5.81	-	38	-	
	Newquay ..	9 9 9	182	57.5	46.8	52.1	-0.3	68	6	37	1	54.4	52.0	118	4.65	284	.56	12	18	17	0	0	0	0	0	-	6.38	96	41	-		
	Penzance ..	9 9 9	55	58.2	47.1	52.7	-1.6	64	4	40	6	-	-	149	5.87	265	.96	17	19	18	0	0	1	0	1	-	5.91	91	39	-		
	Perranporth ..	9 9 9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tintagel ..	9 9 9	260	56.9	46.5	51.7	-	65	6	41	1	-	-	106	4.19	-	.54	17, 23	18	14	0	0	0	0	0	-	6.07	-	39	-	-	
	NORTHERN IRELAND																															
	Londonderry	Castlerock ..	9 9 9		57.5	42.4	49.9	-	66	6.14	31	4.14	-	-	93	3.66	-	.94	17	18	14	-	-	-	0	2	0	-	-	-	-	

TABLE IV—Summary of Observations at fixed hours

MAY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
											0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	8	9	10	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																						0	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
0 SCOTLAND, N.		G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

TABLE IV (continued)—Summary of Observations at fixed hours

MAY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
											0	1	2	3	4	5	6	7	8	9	10	Fog				Mist	Poor Via	Mod. Via	Good Visibility					8 or more	6 or 7	4 or 5	1 or 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
																						0	1	2	3				4	5	6	7	8														9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2 ENGLAND, N.E.—cont.		O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

TABLE IV (continued)—Summary of Observations at fixed hours

MAY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
											0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	0 to 7	8 to 9	10 to 11	12 to 13	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
																0	1	2	3																			4	5	6
6 ENGLAND, S.E.—cont.																																								
Kent—cont.	Lymington ..	1	345	—	—	46.3	1.0	10.0	92	6.4	7	4	0	7	13	0	3	1	1	2	2	12	4	6	0	0	1	7	21	2	4	3	2	1	6	7	2	4		
		7	345	1014.2	—1.3	48.7	1.5	10.5	89	7.5	0	6	2	12	11	0	2	0	0	3	2	9	5	10	0	0	1	8	20	2	4	4	3	1	5	5	4	1		
		13	345	—	—	55.2	4.5	10.7	72	7.6	2	2	4	11	12	0	0	0	2	0	0	0	5	4	19	1	0	1	10	20	0	4	4	1	7	8	5	1		
		18	345	—	—	53.1	3.4	10.7	77	6.6	4	4	2	14	7	0	0	0	0	0	0	0	4	4	20	1	0	0	8	23	0	0	4	6	1	4	8	6	1	
	Manston ..	1	156	1013.7	—	47.0	1.4	9.8	89	5.3	6	9	0	5	11	0	0	0	1	2	3	14	8	3	0	0	0	6	23	2	4	6	0	1	4	9	4	1		
		7	156	1014.0	—	49.8	2.3	10.3	84	6.9	0	9	2	12	8	0	0	0	0	1	3	16	5	6	0	0	1	7	17	6	3	4	2	0	1	9	5	1		
		13	156	1014.1	—	57.1	6.1	10.2	65	7.1	1	4	8	8	10	0	0	0	0	0	1	10	5	15	0	0	2	11	18	0	4	5	2	1	7	8	0	4		
		18	156	1013.2	—	53.7	3.8	10.7	76	6.6	3	7	0	11	10	0	0	0	0	1	2	13	3	10	2	0	1	6	24	0	3	6	2	4	3	12	1	0		
	Tunbridge Wells ..	9	407	1013.9	—2.2	53.2	3.2	10.8	78	5.9	3	5	8	10	5	0	0	0	0	0	1	5	4	21	0	1	3	6	21	0	3	7	1	1	2	9	4	4		
Sussex	Hastings ..	9	154	1013.9	—1.8	52.5	3.1	10.7	80	7.2	3	1	6	9	12	0	1	0	0	3	2	22	2	1	0	0	1	5	24	1	0	8	0	6	1	14	0	1		
		1	10	1013.6	—	47.8	1.0	10.4	92	5.3	6	7	4	6	8	0	0	0	0	1	1	14	11	4	0	0	1	11	15	4	2	6	1	1	3	6	4	4		
		7	10	1013.8	—	49.7	1.6	10.7	88	7.1	1	4	4	13	9	0	1	1	0	1	2	6	9	8	3	0	1	9	18	3	1	4	5	0	5	5	3	5		
		13	10	1013.6	—	58.1	4.7	11.7	71	7.1	2	4	3	14	8	0	0	0	0	0	1	3	7	18	2	0	3	15	13	0	1	3	5	3	8	5	2	1		
	Southampton ..	9	84	1013.7	—	56.3	5.0	10.2	66	6.3	5	4	4	9	9	0	0	0	0	0	4	9	13	5	0	0	1	4	23	3	3	4	3	1	7	7	1	2		
		21	84	1012.9	—	54.4	3.8	10.9	75	5.3	10	4	1	5	11	0	0	0	0	1	2	23	3	1	0	1	0	3	21	6	1	3	0	2	6	8	3	2		
		7	231	1013.8	—1.7	48.1	2.0	9.8	85	7.1	1	4	6	12	8	0	0	1	0	0	1	11	6	4	8	0	2	5	20	4	2	3	3	1	4	8	5	1		
		13	231	1013.2	—	59.0	7.3	9.5	55	7.4	1	5	2	14	9	0	0	0	0	0	0	6	6	10	9	0	1	14	16	0	1	4	5	1	5	7	6	2		
	S. Farnborough ..	18	231	1012.4	—	57.8	6.8	9.8	62	6.3	1	8	3	14	5	0	0	0	0	1	0	2	6	17	3	0	0	12	19	0	3	4	4	2	5	8	4	1		
		9	80	1014.2	—1.7	53.7	2.8	11.5	81	5.6	2	11	3	6	9	—	—	—	—	—	—	—	—	—	—	—	0	3	10	18	0	2	2	5	3	0	13	5	1	
		15	80	1013.8	—	56.0	3.6	11.9	77	6.5	1	7	7	4	12	—	—	—	—	—	—	—	—	—	—	—	0	1	8	22	0	0	3	5	2	0	11	7	3	
		7	420	1014.2	—	47.6	1.7	10.0	87	6.5	2	5	7	11	6	0	0	1	0	1	1	9	13	6	0	0	3	8	17	3	2	4	3	3	6	5	1	4		
Wiltshire	Amesbury (Boscombe Down)	13	420	1013.1	—	58.3	6.9	9.7	62	7.2	1	5	3	14	8	0	0	0	0	0	2	7	4	18	0	0	2	16	13	0	2	3	6	2	5	6	4	3		
		18	420	1012.5	—	56.4	5.7	10.1	67	6.2	1	8	5	10	7	0	0	0	0	0	0	5	9	15	2	0	2	14	13	2	2	4	3	1	3	9	5	2		
		9	444	1013.5	—	52.5	4.3	9.7	72	6.2	3	4	8	8	8	0	0	0	0	3	1	9	12	6	0	0	2	13	16	0	1	6	3	1	4	7	6	3		
		13	444	1012.8	—	57.7	6.9	9.6	61	7.0	1	6	5	10	9	0	0	0	0	0	2	8	8	13	0	0	2	15	14	0	0	6	4	2	2	8	5	4		
	Larkhill ..	15	444	1012.1	—	59.2	6.8	10.2	61	6.6	1	6	6	9	9	0	0	0	0	1	1	7	7	15	0	0	3	18	9	1	3	4	2	1	4	7	6	3		
		7a ENGLAND, N.W.																																						
		Lancashire	Hutton ..	9	86	1012.8	—1.8	53.6	3.7	10.6	76	5.5	2	7	9	13	0	—	—	—	—	—	—	—	—	—	—	0	1	2	25	3	1	4	2	3	4	11	1	2
				9	127	1012.1	—2.8	53.4	5.0	9.3	68	6.1	7	2	4	9	9	—	—	—	—	—	—	—	—	—	—	—	0	0	6	24	1	2	7	1	4	6	6	3
21	127			1012.0	—	51.1	4.1	9.1	71	5.9	2	9	5	3	12	—	—	—	—	—	—	—	—	—	—	—	0	1	6	22	2	3	5	4	6	4	4	2	1	
9	37			1012.5	—2.8	52.3	4.2	9.7	72	5.7	0	10	8	5	8	0	0	0	0	1	9	4	7	10	0	0	2	14	14	1	0	1	5	4	5	4	8	3		
	Southport (Bedford Rd. Park)	15	37	1012.2	—	56.4	6.6	9.4	61	5.9	0	9	7	9	6	0	0	0	0	0	4	6	3	18	0	0	2	18	11	0	1	0	6	3	5	4	6	6		
		21	37	1012.0	—	49.6	3.1	9.6	78	6.6	0	8	4	10	9	0	0	0	0	0	8	18	3	1	0	1	0	10	18	2	1	1	7	4	2	9	2	3		
		9	381	1012.2	—3.2	51.7	4.7	8.9	68	6.2	3	7	4	6	11	0	0	0	0	0	0	15	12	4	0	0	1	17	13	0	0	9	2	1	5	4	10	0	0	
		21	381	1012.6	—	48.6	3.3	8.9	76	6.3	4	7	1	6	13	—	—	—	—	—	—	—	—	—	—	—	0	0	6	23	2	3	6	2	1	5	5	7	0	
Cheshire	Bidston Obs'y.	9	202	1012.0	—3.2	52.2	4.4	9.3	70	6.0	1	6	4	11	9	0	0	1	4	7	6	9	4	0	0	1	19	11	0	1	1	6	3	5	2	7	6			
		1	261	1012.0	—	45.7	1.9	9.1	85	6.4	7	2	2	7	13	0	0	0	0	1	4	16	6	4	0	0	0	12	14	5	0	5	4	4	11	1	1	0		
		7	261	1012.1	—	47.4	2.3	9.3	82	6.4	4	3	5	12	7	0	0	0	0	4	3	13	5	6	0	0	2	10	17	2	0	5	3	1	14	2	3	1		
		13	261	1011.9	—	57.6	7.0	9.6	61	7.2	2	4	1	14	10	0	0	0	0	0	4	10	7	8	2	0	1	20	10	0	0	7	2	1	6	5	4	6		
	Manchester (Ringway)	18	261	1011.3	—	55.1	5.7	9.6	65	6.7	2	4	7	9	9	0	0	0	0	2	10	11	5	3	0	2	17	11	1	0	5	5	2	6	5	2	5			
		7b NORTH WALES.																																						
		Flint	Sealand ..	7	19	1011.9	—	48.9	3.1	9.2	77	6.4	2	7	4	10	8	0	0	0	0	3	4	13	4	7	0	0	0	4	23	4	0	2	5	6	5	4	4	1
				13	19	1011.9	—	57.7	7.4	9.3	58	6.5	1	8	1	15	6	0	0	0	0	0	1	3	8	5	14	0	0	0	17	14	0	2	3	4	3	4	4	2
18	19			1011.2	—	55.6	6.1	9.5	63	6.7	1	7	5	7	11	0	0	0	0	0	2	2	5	6	15	1	0	0	12	19	0	1	5	2	4	3	4	4	8	
1																																								

TABLE IV (continued)—Summary of Observations at fixed hours

MAY, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
										0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor	Via	Mod.	Via	GOOD VISIBILITY			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	1	2	3						4	5	6													
8b ENGLAND, S.W.—cont.																																							
Dorset—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																															
Portland Bill	1	37	1013.2	-	48.9	1.2	10.7	91	7.1	4	1	6	9	10	0	0	0	0	1	0	0	0	23	7	0	0	0	12	19	0	4	1	6	1	4	11	3	1	
	7	37	1013.3	-1.9	49.5	1.3	10.9	91	8.1	0	0	9	8	14	0	0	1	1	0	0	0	19	10	0	0	0	1	12	18	0	0	5	5	1	4	8	4	4	
	13	37	1013.2	-	52.5	1.4	12.2	90	8.0	1	0	10	4	16	0	0	0	0	0	0	1	12	17	0	0	0	1	13	17	0	0	4	3	3	6	10	4	1	
	18	37	1012.7	-	51.5	1.7	11.4	88	7.6	0	3	7	11	10	0	0	1	0	0	0	0	14	16	0	0	0	1	14	16	0	1	2	4	2	5	13	2	2	
Devon	Hartland Pt.	1	305	1011.4	-	49.7	2.4	10.1	83	5.6	7	3	5	11	5	0	0	0	0	0	1	5	17	8	0	0	3	11	17	0	1	4	3	1	4	7	9	2	
		7	305	1011.4	-	49.9	2.4	10.1	73	7.0	3	3	5	14	6	0	0	0	0	0	0	7	13	11	0	0	2	15	13	1	0	4	4	2	2	9	5	4	
		13	305	1011.8	-	52.7	2.9	10.9	87	6.7	2	5	4	13	7	0	1	1	0	0	0	4	14	11	0	0	0	12	19	0	2	6	2	0	2	8	9	2	
		18	305	1011.3	-	53.1	3.1	10.9	85	6.4	2	8	3	14	4	0	1	0	0	0	0	5	12	13	0	0	1	10	19	1	0	3	1	2	2	7	12	3	
Plymouth (Mount Batten)	7	27	1012.9	-2.2	49.2	0.9	11.2	93	7.0	4	2	4	10	11	0	0	0	0	1	3	15	7	5	0	0	3	7	18	3	1	4	6	3	2	7	3	2		
	13	27	1012.8	-	55.1	2.7	12.1	83	6.8	0	8	3	9	11	0	0	1	0	1	1	11	6	11	0	0	1	13	17	0	3	0	7	0	8	7	4	2		
	18	27	1012.5	-	54.6	2.7	12.0	83	6.4	1	6	5	10	9	0	1	0	0	0	0	11	9	10	0	0	0	15	15	1	2	0	4	2	4	8	6	4		
Cornwall	The Lizard	1	240	1012.6	-	49.1	1.1	10.9	92	5.8	0	7	12	5	7	0	0	0	1	0	0	3	13	14	0	0	1	5	9	15	1	3	2	3	3	5	6	4	4
		7	240	1012.4	-	50.0	1.0	11.4	82	7.8	0	4	7	6	14	0	1	1	0	0	1	2	10	16	0	0	0	5	14	10	2	1	3	3	4	4	7	3	4
		13	240	1012.4	-	53.7	1.7	12.5	89	7.4	0	4	9	6	12	0	0	2	0	0	0	2	6	4	17	0	0	3	15	10	3	0	1	5	2	3	8	5	4
		18	240	1012.4	-	52.7	2.0	11.7	86	6.9	0	5	12	6	8	0	0	0	0	2	1	2	8	18	0	0	0	3	13	11	4	0	1	4	0	3	7	8	4
Newquay	9	186	1011.0	-4.1	52.1	1.6	12.3	93	7.0	3	5	1	8	14	0	0	0	0	2	0	9	2	10	1	0	4	15	12	0	5	1	0	8	2	8	4	3		
NORTHERN IRELAND																																							
Antrim	Aldergrove	7	271	1010.8	-	46.6	2.3	9.1	83	6.8	3	5	2	13	8	0	1	1	0	0	0	4	4	17	4	0	0	12	15	4	2	1	7	2	4	7	2	2	
		13	271	1010.4	-	55.9	6.3	9.4	62	6.8	1	7	1	18	4	0	0	0	0	0	0	5	3	13	10	0	0	13	17	1	2	2	5	5	2	8	3	3	
		18	271	1009.7	-	54.4	5.6	9.4	66	7.2	2	4	2	16	7	0	0	0	0	0	0	4	5	18	4	0	0	12	16	3	3	2	6	6	5	2	2	2	
Armagh	Armagh	9	209	1010.3	-4.0	52.7	4.0	10.0	74	6.3	4	5	2	13	7	0	0	0	0	0	0	3	28	0	0	0	10	21	0	1	6	3	1	5	6	7	2		
		21	209	1010.1	-	49.3	2.4	9.9	82	6.8	5	2	3	8	13	0	0	0	0	0	0	1	2	28	0	0	0	8	21	2	3	5	6	2	10	1	1	1	
Selly	St. Mary's..	1	199	1011.8	-	49.9	1.1	11.3	93	5.5	7	5	5	6	8	0	0	1	0	1	1	7	12	2	0	1	4	12	14	0	2	2	4	3	6	9	2	3	
		7	199	1011.4	-3.7	50.4	0.9	11.7	94	7.2	2	4	4	10	11	0	1	0	1	0	0	6	9	14	0	0	6	11	14	0	0	2	5	2	7	6	4	5	
		13	199	1011.9	-	55.3	2.3	12.7	85	7.2	2	3	6	12	8	0	1	0	0	0	0	9	10	11	0	0	1	20	10	0	0	2	4	3	6	9	4	3	
		18	199	1011.8	-	53.6	2.3	11.9	78	6.1	1	7	7	9	7	0	0	0	1	0	2	2	11	15	0	0	5	10	16	0	1	1	3	2	5	10	7	2	
GIBRALTAR	.. ..	1	400	1017.2	-	60.8	3.2	14.8	82	3.2	9	13	2	2	5	0	0	0	0	0	0	0	2	19	10	0	4	13	14	0	0	7	4	0	0	2	14	4
		7	400	1017.3	-	61.5	3.1	15.3	83	4.8	0	17	2	8	4	0	0	1	0	2	0	1	5	18	4	0	4	8	19	0	0	5	7	0	0	1	16	2	
		13	400	1017.4	-	66.7	5.8	15.7	71	4.6	3	12	6	7	3	0	0	0	0	0	0	2	4	19	6	0	5	14	12	0	0	6	9	0	0	5	11	0	
		18	400	1016.6	-	65.0	4.5	15.5	75	4.1	2	15	6	6	2	0	0	0	0	0	0	1	5	13	12	0	4	17	9	1	0	5	7	0	0	2	15	1	
MALTA	.. ..	1	234	1016.4	-	63.8	4.5	15.4	77	2.1	14	10	3	3	1	0	0	0	0	0	0	2	29	0	0	0	5	24	2	7	2	1	1	5	3	4	6	
		7	234	1017.2	-	67.5	6.6	15.4	67	2.9	7	14	4	6	0	0	0	0	0	0	0	0	1	25	5	0	1	10	19	1	4	4	1	2	6	1	4	8	
		13	234	1017.1	-	72.3	10.0	14.9	55	4.2	3	12	4	12	0	0	0	0	0	0	0	0	22	2	0	2	6	23	0	7	4	4	3	4	1	3	5		
		18	234	1016.6	-	67.7	6.5	15.8	68	3.9	1	16	5	9	0	0	0	0	0	0	0	0	1	24	6	0	1	8	22	0	5	4	2	2	5	1	6	6	

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 6.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1420 6

JUNE, 1942.—Dry; sunny except in Scotland.

The weather of June was distinguished by a scarcity of rainfall except in parts of west and north Scotland, where there was an excess; the deficiency was notable in parts of England and Wales and Ireland. Sunshine was excessive over England and Ireland.

In the opening days an anticyclone centred over the Bay of Biscay moved north-east, while depressions moved north-east along our north-west seaboard; rain occurred in Scotland and a little in Ireland on the 1st and 2nd and in the extreme north of Scotland on the 3rd. By the 4th the anticyclone covered most of the British Isles and there was practically no rain on the 4th and 5th; temperature rose on the 3rd and an unusually warm spell occurred from the 3rd-6th. On the 6th the anticyclone receded eastward and a shallow trough of low pressure moved across the British Isles; the weather was very warm and there were scattered thunderstorms. Thereafter a depression near Iceland moved eastward and an anticyclone became centred westward of the British Isles, while troughs of low pressure moved south over Scotland. A spell of cool weather ensued, with north-westerly winds veering north, while scattered rain, mainly showers, occurred in the north and north-west. Subsequently an elongated depression, situated off southern England on the 12th, moved slowly north and was associated with rather unsettled conditions until the 15th. From the 16th-18th a rather deep depression moved east-south-east from the north of Iceland to Norway, while an associated trough moved slowly south-east across the British Isles. There was slight scattered rain on the 16th and 17th and temperature rose a little but weather continued mainly cool. In the rear of this disturbance an anticyclone moved slowly eastward over the British Isles, giving a fair day generally on the 19th. The fair weather persisted over most of England with a rise of temperature, during the following days but in the north there was considerable rain at times as troughs of low pressure, associated with a depression moving east off the north of Scotland, crossed our northern districts. During the next few days an anticyclone centred westward of the British Isles maintained mainly fair weather generally. Subsequently the anticyclone receded southward and conditions again became somewhat unsettled in the north, though fair weather persisted over England. In the closing days of the month a shallow trough of low pressure extending from the North Sea to north Wales moved south-east and became almost stationary over south-east England; thunderstorms, heavy locally, were reported in the south-east on the 30th.

Pressure and Wind.—Mean pressure exceeded the average, the excess at 7h. ranging from 3.4 mb. at Aberdeen to 4.9 mb. at Tiree. Wind reached gale force in exposed situations in Scotland on the 2nd and 7th, but none of the anemometers registered a mean hourly velocity of more than 38 m.p.h. (see Table II). Among the highest speeds registered in gusts were 60 m.p.h. at Paisley, 56 m.p.h. at Stornoway and 54 m.p.h. at Kirkwall all on the 7th.

Temperature.—On the whole mean temperature did not differ greatly from the average but broadly speaking, it was somewhat below the average in the west and north-west of Scotland and above the average elsewhere. The deviation from the average for the districts ranged from -0.8°F. in Scotland, N. to $+1.6^{\circ}\text{F.}$ in the Midland counties of England. There were, however, large variations in temperature during the month. An unusually warm spell occurred from the 3rd-6th, during which temperatures of 80°F. or above were recorded in all three countries and in England and Wales temperatures approaching 90°F. were registered locally. It was warm again in England from the 21st-23rd and 29th-30th. A cold period occurred roughly from the 8th-16th, both day and night temperatures being very low at times. The lowest screen minimum

temperatures of the month (including some of 32°F. or below) were registered mainly on the 1st, 10th-12th, 14th, 16th and 19th, while severe ground frost was registered locally on a number of occasions.

The extremes for the month were:—(England and Wales) 90°F. at London (Camden Square) on the 6th, 26°F. at Thetford on the 11th; (Scotland) 82°F. at Peebles on the 5th, 29°F. at Dalwhinnie on the 12th; (Northern Ireland) 82°F. at Armagh on the 5th, 33°F. at Aldergrove on the 10th.

Precipitation.—A marked feature of the weather of the month was the notable scarcity of rainfall over much of England and Wales and Ireland. At Abergavenny (Monmouthshire) there was no measurable rain throughout the month and at Birmingham (Edgbaston) the total, 4 mm., is the lowest for June since before 1893.

The general precipitation expressed as a percentage of the average for the period 1881-1915 was 31 over England and Wales, 74 over Scotland and 20 over Northern Ireland. In Scotland, more than the average rainfall occurred in the Shetland Islands and in a belt extending from north-west Sutherland to the Isle of Islay; less than 50 per cent was received in the neighbourhood of the Moray Firth and over a considerable area in the south and south-east. In England and Wales the deficiency was general; the percentage of the average ranged from more than 75 in parts of east and north-east England to less than 10 per cent over a large area in the Midlands, a part of Wales and of south-east England and locally in north Devon. In Northern Ireland the percentages ranged from 7 at Armagh to 40 at Garvagh. During the latter half of the month, an absolute drought was experienced at the majority of stations in England and Wales. At a large number of stations in England and Wales measurable rain fell on only two days and at a few stations on only one.

Daily falls exceeding 1 inch were registered at a number of stations and among the heaviest daily falls were 2.94 in. at Broadford (Skye), 2.26 in. at Kinlochourn (Inverness-shire) and 2.02 in. at Loch Carron (Ross and Cromarty) all on the 1st.

Thunderstorms were not very frequent for June but scattered storms occurred at times; they were most widespread in England and Wales on the 14th. Local thunderstorms occurred also on the 5th, 6th, 7th, 24th and 30th. The storm on the 14th was very severe in the Stour valley and large hailstones caused great damage to fruit and vegetable crops. Hailstones, $\frac{3}{4}$ in. in diameter, were observed during a storm in the Stroud area on the 6th and large hailstones were also reported in the thunderstorm in the London area on the 30th.

Snow fell on the mountains in Scotland between the 8th and 13th. Ullapool reported a heavy fall of snow down to low ground on the 11th and 12th; this is exceptional for June.

Sunshine.—Sunshine considerably exceeded the average in England and Wales and was somewhat excessive in Northern Ireland. In Scotland, there was a deficiency which was notable in the north-west; at Stornoway it was the dullest June in a record back to 1881. The chart of mean daily sunshine shows values ranging from less than 3.0 hours over much of north-west Scotland to more than 10 hours at a number of places on the south coast of England from Swanage to Hastings.

Fog.—Fog (mainly morning) occurred at times chiefly on the 2nd, 5th-6th, 20th-23rd, and 29th-30th. It was thick and rather persistent at St. Abb's Head on the 5th and at Sumburgh on the 6th. It was rather persistent on the south-west coasts of England on the 20th, 21st and 29th.

Miscellaneous Phenomena.—A complex solar halo phenomenon was observed at Fort Augustus on the 1st. Solar halos were noted at Oxford on five days.

MWRdup

TABLE I—DISTRICT VALUES—

JUNE, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	72	29	-0.8	—	—	89	0	60	18
Eastern									
1 SCOTLAND, E.	82	31	+0.6	—	—	52	-4	82	29
2 ENGLAND, N.E.	88	31	+1.3	+0.7	-0.4	62	-6	111	40
3 ENGLAND, E.	88	26	+0.3	-0.8	-1.5	36	-7	113	52
4 MIDLAND COUNTIES	88	33	+1.6	-0.5	-0.4	17	-9	115	43
5 ENGLAND, S.E.	90	33	+0.5	+0.7	0.0	23	-9	125	53

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	81	30	-0.5	-1.5	-1.9	62	-4	85	31
7 ENGLAND, N.W. (and N. Wales)	87	32	+0.4	+0.5	+0.1	26	-6	115	45
8 ENGLAND, S.W. (and S. Wales)	86	30	+0.7	0.0	0.0	24	-9	123	53
NORTHERN IRELAND	82	33	+0.7	—	—	20	-9	103	37
MEAN	—	—	-0.2	—	—	—	—	76	26
MEAN	—	—	+0.8	—	—	—	—	117	48

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

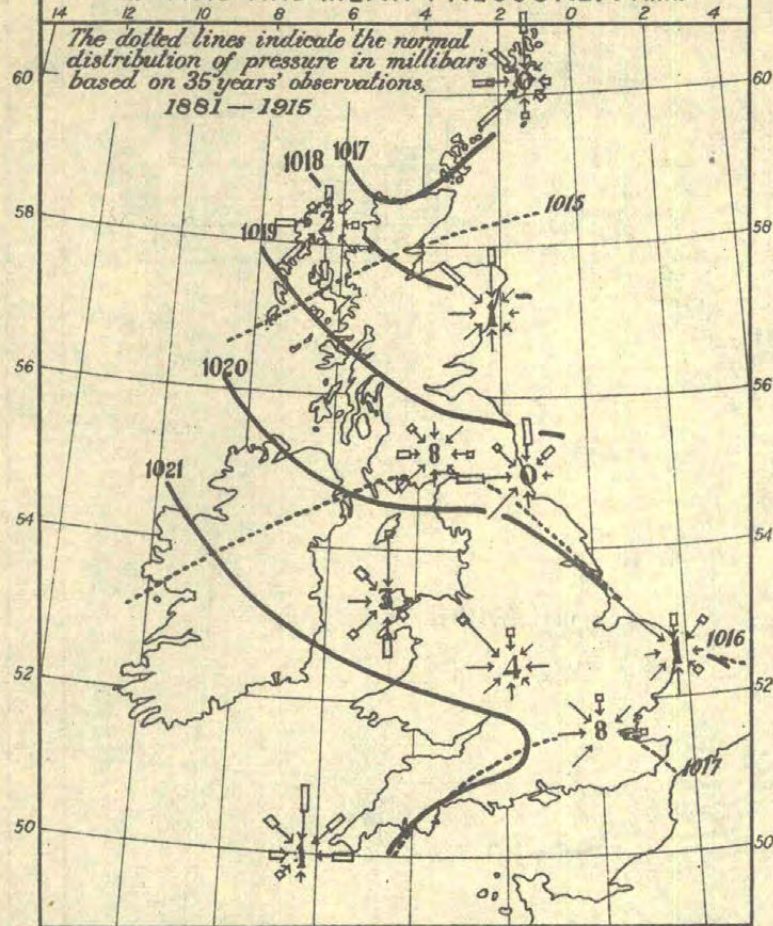
JUNE, 1942

[1914]

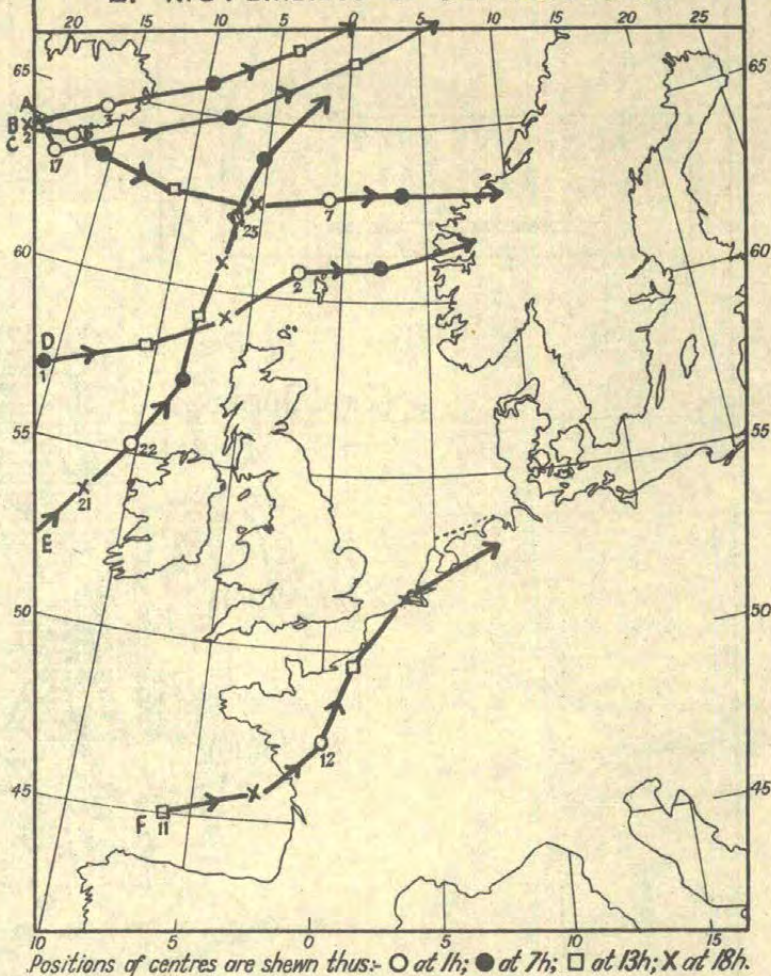
DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities									
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time					
ft	ft	ft		hr		hr	hr	hr	hr	hr		mi/hr	m/s	day hr	mi/hr	m/s	d	h	m		
0 SCOTLAND, N.																					
Shetland	Lerwick	310	53	39	-	0	13	128	421	165	6	0	280	36	16	29 13	46	25	3	02	10
Orkney	Kirkwall	170	40	35	-	0	7	37	333	317	33	0	230	31	14	3 08	54	24	7	15	35
Hebrides	Stornoway	120	40	36	-	0	12	92	343	231	54	0	300	38	17	7 10	56	25	7	09	05
1 SCOTLAND, E.																					
Aberdeen	Aberdeen	120	41	32	-	0	0	0	87	521	112	0	(290)	22	10	7 13					
Angus	Bell Rock Lighthouse	130	—	126	-	0	9	67	317	221	115	0	(310)	22	10	8 10	46	21	8	10	20
Edinburgh	Edinburgh	485	39	23	-	0	2	7	189	387	137	0	260	35	16	2 18	44	20	8	12	45
6a SCOTLAND, W.																					
Argyll	Tiree	75	50	42	-	0	1	2	129	275	306	8	270	27	12	7 13	44	20	7	16	05
Renfrew	Paisley	188	81	31	-	0	0	0	52	511	154	3	240	25	11	2 16	42	19	2	15	05
	Renfrew (Abbotsinch)	65	46	34	-	0	0	0	97	385	237	1	290	23	10	8 14	60	27	7	09	15
Dumfries	Eskdalemuir	825	50	35	-	0	2	2	164	362	192	0	320	24	11	8 16	47	21	7	15	10
					-	0							230	25	11	2 13	46	21	7	10	50
6b ISLE OF MAN																					
Isle of Man	Point of Ayre ..	70	40	35	-	0	1	1	290	353	76	0	310	25	11	7 24	39	17	8	16	20
2 ENGLAND, N.E.																					
Durham	South Shields ..	73	57	44	-	0	1	2	159	336	222	1	350	26	12	15 12	40	18	7	15	15
Durham	.. ..	389	53	33	-	0	0	0	180	413	127	0	230	24	11	2 01	44	20	1	23	20
Yorks., N.R.	Catterick	220	45	33	-	0	0	0	50	397	273	0	250	22	10	1 24	48	22	1	23	20
Yorks., E.R.	Spurn Head	64	42	34	-	0															
Lincoln	Cranwell	284	43	33	-	0	1	2	161	468	77	12	300	25	11	6 24	42	19	7	16	05
3 ENGLAND, E.																					
Norfolk	Gorleston	52	42	34	-	0	0	0	107	445	149	9	350	20	9	7 6	39	17	7	05	15
Suffolk	Mildenhall	98	83	58	-	0	0	0	112	481	127	0	280	22	9	8 15	36	16	8	13	10
Bedford	Cardington	285	150	135	-	0	0	0	71	466	159	24	280	18	8	8 13	32	14	8	12	15
Essex	Shoeburyness ..	115	104	89	-	0	0	0	98	496	126	0	60	20	9	24 18	26	11	7	01	05
4 MIDLAND COUNTIES																					
Leicester	Leicester	385	60	33	-																
Warwick	Birmingham ..	643	118	73	-																
5 ENGLAND, S.E.																					
London	Southgate	222	30	—	-																
Surrey	Kew Observatory ..	92	75	50	-	0	0	0	26	481	213	0	10	15	7	7 08	32	14	7	06	55
	Croydon	313	105	70	-																
Kent	Lympne	418	76	48	-	0	0	0	75	531	114	0	360	23	10	7 05	37	17	7	04	30
	Manston	199	46	40	-	0	0	0	31	356	333	0	30	16	7	24 09	28	13	24	08	55
Hants	Calshot	58	50	42	-																
Wiltshire	Boscombe Down ..	462	45	33	-	0	0	0	42	481	197	0	290	17	8	28 12	34	15	7	05	10
	Larkhill	491	51	36	-	0	1	1	137	519	63	0	360	28	13	7 07	37	17	7	06	05
7a ENGLAND, N.W.																					
Lancashire	Fleetwood	112	50	31	-	0	6	55	231	310	122	2	310	34	15	8 16	44	20	6	20	20
	Manchester (Barton)	153	83	80	-	0	3	15	229	364	112	0	270	31	14	7 14	46	21	7	13	15
	Southport	60	42	33	-	0	3	26	237	340	117	0	330	30	13	6 21	40	18	6	20	25
Cheshire	Bidston Obs'y. ..	262	64	39	-	0	2	10	222	355	133	0	290	27	12	7 16	42	19	7	15	35
	Manchester				-																
	(Ringway)	315	80	40	-	0	0	0	138	317	265	0	290	24	11	7 14	40	18	8	14	50
7b NORTH WALES																					
Anglesey	Holyhead	68	43	35	-	0	2	5	272	341	65	37	300	26	12	8 03	40	18	1	12	40
Flint	Sealand	81	65	42	-	0	2	3	152	328	237	0	300	26	12	6 20	42	19	6	20	05
8a SOUTH WALES																					
Pembroke	St. Ann's Head ..	212	70	—	-	0	6	34	357	322	6	1	360	32	14	24 13	46	21	24	12	50
8b ENGLAND, S.W.																					
Devon	Plymouth	185	88	65	-	0	2	2	129	399	151	39	—	25	11	6 24	39	17	6	23	35
Cornwall	The Lizard	315	75	60	-																
	Pendennis Castle ..	265	65	42	-	0	2	14	114	419	151	22	20	30	13	7 03	39	17	7	02	35
NORTHERN IRELAND																					
Antrim	Aldergrove	328	60	42	-	0	0	0	68	456	196	0	230	21	9	1 21	42	19	7	10	10
SCILLY ISLES																					
	St. Mary's	230	65	57	-	0	2	17	303	366	34	0	360	31	13	7 05	42	19	7	02	40

MONTHLY WEATHER CHARTS JUNE 1942

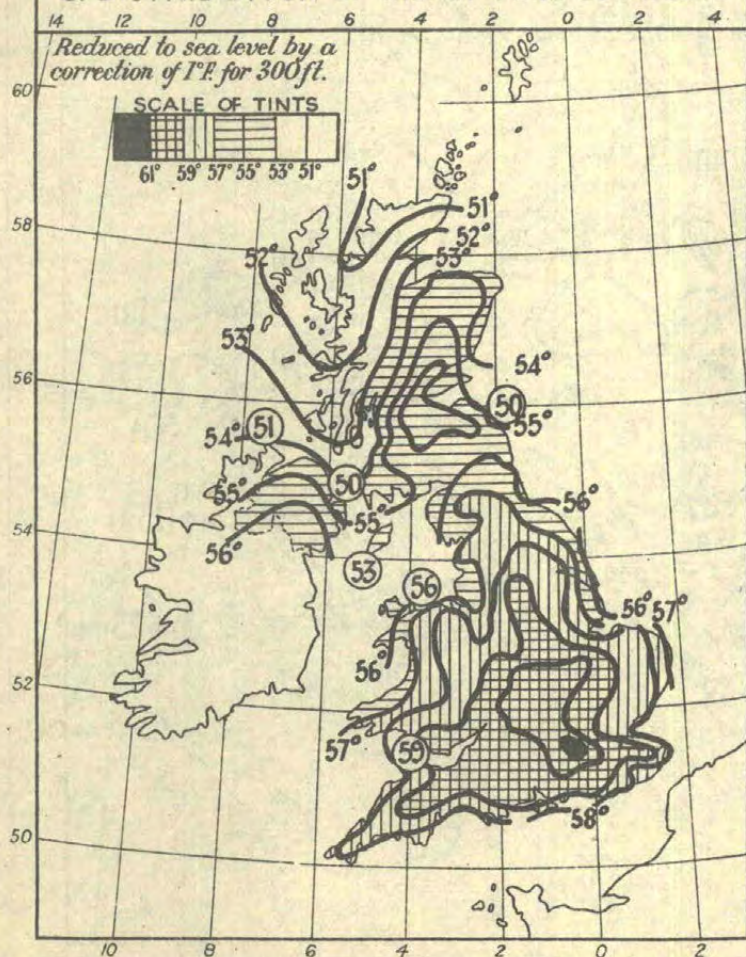
1. WIND AND MEAN PRESSURE. 7 A.M.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY

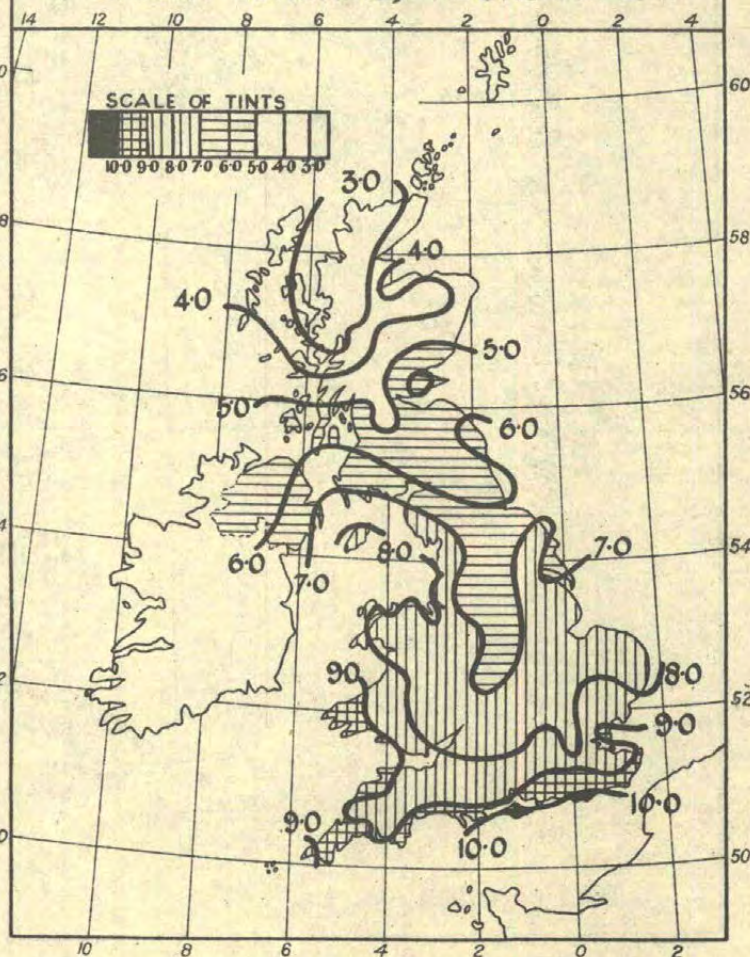


TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage												
				A	B		Maximum	Date	Minimum		Date	1 ft										4 ft	Amount	Date	in (0.2 mm or more)	in (0.01 in or more)	Snow	Thunder	Fog	Frost	Gale	Daily Mean	of Average	of Poss- ible
				Max.	Min.																														Mean of A and B
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in												hr	%	%				
0 SCOTLAND, N.																																		
Shetland	Baltasound ..	9 9 9	31	54.3	45.4	49.9	+0.1	58	22,23	35	1	50.6	-	77	3.03	154	.85	7	23	15	0	0	1	0	0	-	0	4.18	81	22				
	Lerwick Obey. ¶	9 9 9	269	53.5	44.7	49.1	+0.3	58	5	36	1	-	-	58	2.27	127	.65	21	18	13	-	-	-	-	2	1	-	3.17	57	17				
	Sumburgh (Links)	18-7 7	19	52.6	46.2	49.4	-	57	22	40	1,19	-	-	56	2.22	-	.60	21	17	9	0	0	0	0	4	1	0	3.17	57	17				
Orkney	Kirkwall ..	¶ 9 9 9	113	54.7	46.4	50.5	-0.7	62	2,3	42	1,13,19	51.7	-	39	1.53	79	.29	1	16	8	0	0	0	0	0	4	0	3.43	65	19				
Hebrides	Skallary ..	101010	30	56.8	47.7	52.3	-	61	4	38	1	-	-	46	1.82	-	.44	20	19	10	-	-	-	-	-	-	-	-	-	-				
	Stornoway ¶	18-7 7	79	55.7	46.8	51.3	-0.6	66	5	37	10,12	-	-	57	2.25	102	.66	1	17	12	0	0	0	0	2	-	1	3.07	55	17				
Skye	Duntulm ..	9 9 9	294	54.3	46.0	50.1	-	65	5	39	12	-	-	78	3.07	-	1.04	1	23	14	0	0	0	0	2	0	0	2.69	-	15				
Caithness	Wick ..	18-7 7	115	55.9	45.3	50.6	+0.5	68	3	36	1	-	-	25	.98	54	.24	8	14	7	0	0	0	0	2	1	0	-	-	-				
Sutherland	Cape Wrath ..	18-7 7	367	-	45.4	-	-	-	-	31	10	-	-	67	2.63	-	.51	22	18	13	0	0	0	0	4	0	0	-	-	-				
Ross & Cromarty	Achnashellach ..	9 9 9	225	57.5	43.9	50.7	-3.0	72	5	31	12	-	-	99	3.89	98	1.11	1	20	13	0	0	0	0	0	-	0	-	-	-				
	Fortrose ..	9 9 9	69	60.6	46.8	53.7	-0.3	70	5	36	12	-	-	24	.93	-	.23	11	16	7	0	0	0	0	0	-	0	4.09	67	23				
Inverness	Dalwhinnie ..	18-7 7	1176	58.0	42.2	50.1	-	71	5	29	12	-	-	48	1.88	-	.52	1	13	9	0	0	0	1	0	6	0	4.01	-	23				
	Ft. Augustus ¶	9 9 9	68	59.9	45.3	52.6	-1.1	73	5	35	12	-	-	56	2.19	108	.72	1	14	9	0	0	0	0	0	-	0	2.64	56	15S				
	Ft. William ..	9 9 9	34	58.9	46.3	52.6	-2.5	68	5	35	12	54.5	51.1	96	3.78	106	1.53	1	18	13	0	0	0	0	0	0	0	2.97	53	17S				
	Inverness ¶	9 9 9	242	59.3	45.3	52.3	-1.8	72	5	34	12	-	-	15	.58	31	.17	11	10	7	0	0	0	0	1	0	3.73	67	21					
	Onich ..	9 9 9	48	58.5	44.9	51.7	-	68	5,25	35	1,12	-	-	80	3.15	87	1.04	1	18	14	0	0	0	0	0	4	0	2.74	52	16S				
1 SCOTLAND, E.																																		
Nairn	Nairn ..	¶ 9 9 9	20	59.9	47.2	53.5	-0.3	70	28	34	12	-	-	17	.65	37	.13	11	12	8	0	0	0	0	0	1	1	4.32	76	24				
Moray	Forres ..	9 9 9	155	61.3	45.7	53.5	-	70	4,28	32	12	-	-	42	1.64	-	.80	2	14	8	0	0	0	0	0	4	0	4.56	-	26				
	Gordon Castle ..	2121 9	104	61.8	46.2	54.0	-0.1	76	5	35	12	-	-	31	1.21	59	.35	8	12	11	0	0	0	1	-	-	-	3.92	68	22S				
Banff	Banff ..	9 9 9	130	59.2	47.6	53.4	+0.4	72	22	39	1	-	-	25	.97	54	.22	8	15	10	0	0	0	0	0	0	0	4.16	69	23				
Aberdeen	Aberdeen ¶	242424	79	59.5	47.6	53.5	+0.6	77	6	41	16	53.8	50.3	26	1.01	59	.39	12	12	6	0	0	0	1	1	2	0	4.33	72	24				
	18-7 -	-	-	60.3	46.8	53.5	+0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Balmoral ..	9 9 9	927	60.5	43.2	51.9	+0.2	76	5	31	16	-	-	33	1.30	76	.27	12	9	8	0	0	0	0	-	7	0	-	-	-				
	Braemar ..	2121 9	1111	60.5	42.4	51.5	0.0	76	6	31	12	-	-	26	1.04	53	.26	21	9	8	0	0	0	0	0	9	-	4.47	-	25S				
	Craibstone ..	9 9 9	300	59.8	44.5	52.1	-0.3	77	6	36	11	52.7	48.9	35	1.39	76	.59	12	13	7	0	0	0	1	-	4	-	4.35	68	25				
	Tarland ..	9 9 9	540	61.9	44.7	53.3	-	78	6	33	16	-	-	27	1.05	-	.32	21	13	8	0	0	0	0	-	-	0	-	-	-				
Kincairdine	Stonehaven ..	9 9 9	12	63.7	44.0	53.9	-	80	6	34	11	-	-	27	1.05	-	.37	12	11	7	0	0	0	0	0	-	0	4.32	-	24				
Angus	Arbroath ..	9 9 9	93	61.7	45.4	53.5	0.0	76	6	35	11	-	-	20	.77	46	.19	21	8	5	0	0	0	0	0	5	0	5.52	80	31				
	Carnoustie ..	9 9 9	39	63.3	45.2	53.3	+0.8	79	6	36	1,25	57.0	-	31	1.22	72	.31	21	10	8	0	0	0	0	-	1	0	5.28	83	30				
	Dundee ..	¶ 9 9 9	147	63.3	45.2	55.3	+0.8	79	6	36	1,25	57.0	-	31	1.22	72	.31	21	10	8	0	0	0	0	-	1	0	5.28	83	30				
	Kettins ..	9 9 9	218	63.6	45.2	54.4	+0.1	76	4,6	36	10	57.6	-	32	1.25	60	.45	21	8	7	0	0	0	0	0	0	-	-	-	-				
	Montrose ..	9 9 9	16	61.3	46.0	53.7	+0.8	79	6	37	1	-	-	20	.79	-	.18	21	11	6	0	0	0	0	0	-	0	4.52	69	26				
Perth	Perth ..	9 9 9	76	65.0	47.0	56.0	+0.1	76	4,6	39	11	-	-	28	1.11	56	.41	21	8	7	0	0	0	0	-	-	0	5.91	89	34				
Fife	Cupar ..	9 9 9	210	63.4	46.8	55.1	+0.6	76	4,6	38	11	-	-	27	1.05	-	.25	21	11	6	0	0	0	0	-	-	0	-	-	-				
	Dunfermline ..	9 9 9	237	63.0	46.6	54.8	-	74	4	39	11	56.4	52.0	31	1.20	-	.30	20	9	8	0	0	0	0	0	0	0	5.61	-	32				
	Kirkcaldy ..	9 9 9	137	63.9	45.5	54.7	-0.8	75	4,6	37	12	-	-	22	.86	-	.23	20	8	6	0	0	0	0	-	-	0	6.07	-	35				
	Leuchars ..	18-7 7	36	63.6	48.0	55.8	+1.9	78	6	38	11	-	-	26	1.02	61	.30	21	11	8	0	0	0	0	0	0	0	6.25	92	36				
	Lundin Links ..	9 9 9	40	62.4	46.5	54.5	+0.2	76	6	37	11	52.8	51.8	22	.86	48	.35	21	14	6	0	0	0	0	0	0	0	5.78	87	33				
	St. Andrews ..	9 9 9	13	62.4	46.5	54.5	+0.2	76	6	37	11	52.8	51.8	22	.86	48	.35	21	14	6	0	0	0	0	0	0	0	5.78	87	33				
Mid Lothian	Balerno ..	9 9 9	750	61.1	45.8	53.5	-	75	5	38	1,7,26	-	-	33	1.32	-	.36	20	8	7	0	0	0	0	0	0	0	5.89	-	34				
	Edinburgh—																																	
	Blackford H. ¶	2121 9	441	63.0	47.5	55.3	+1.1	77	6	40	12,13	-	-	25	1.00	50	.29	20	9	5	0	0	0	0	0	0	0	5.46	85	31				
	Botanic Garden	9 9 9	74	63.9	47.1	55.5	-	77	6	36	1	-	-	22	.87	-	.30	20	7	6	0	0	0	0	1	-	-	5.70	-	33				
	Univ. King's B.	9 9 9	225	64.2	47.0	55.6	-	77	4,6	39	11	56																						

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

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	Per centage of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount									Date	0.1 in (0.25 mm) or more	0.01 in (0.25 mm) or more	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Max.	Min.	Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

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	Per cent- age of Average			Most in a day	Precip'n		Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Possible					
				A Max.	B Min.		Maximum	Date	Minimum			Date	0.01 in (0.2 mm) or more		0.01 in (0.2 mm) or more															
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	Amount	Date	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	hr
3 ENGLAND, E.																														
Norfolk	Cromer	9 9 9	178	64.7	49.5	57.1	+0.2	83	6	43	1,12	-	-	33	1.28	75	.48	29	7	4	0	0	0	1	0	1	0	7.61	116	46
	Hunstanton ..	9 9 9	105	68.6	50.1	59.3	+1.2	85	4,6	39	10	-	-	31	1.24	-	.35	13	6	5	0	0	0	1	0	1	-	7.90	116	47
	Norwich	9 9 9	110	68.1	47.6	57.9	-0.2	85	4	35	11	57.8	-	24	.95	-	.36	12	8	5	0	0	0	1	2	-	7.28	107	44	
	Sproston	9 9 9	93	67.1	46.2	56.7	-0.6	85	4	32	11,12	-	-	34	1.34	-	.47	12	8	6	0	0	0	0	3	-	7.05	103	42	
	Terrington ..	9 9 9	13	68.4	47.4	57.9	-	85	7	37	26	-	-	23	.91	-	.29	13	6	5	0	0	0	0	0	3	-	7.40	-	44
	Thetford	9 9 9	99	69.6	41.6	55.6	-	86	6	26	11	59.9	54.9	23	.92	-	.25	14,25	5	5	0	0	0	0	0	5	-	7.25	-	43
	(Lynford Nursery)																													
Yarmouth ..	18-7 7	5	60.9	50.2	55.5	-1.4	68	2	42	9,10	58.6	52.7	36	1.43	81	.43	29	7	6	0	0	0	2	0	0	0	7.90	113	47	
Suffolk	Bungay (Flix'n) ..	9 9 9	79	68.9	46.6	57.7	-0.2	85	5	37	10,11,20	-	-	14	.57	-	.27	12	4	4	0	0	0	2	0	2	-	-	-	-
	Felixstowe Aero.	18-7 7	10	65.6	49.7	57.7	-0.4	73	29	37	18	-	-	24	.93	54	.53	14	6	4	0	0	0	3	0	0	0	8.84	118	53
	Ipswich, Belstead Hall ..	9 9 9	125	68.6	47.0	57.8	-	82	23,29	36	11	57.5	53.8	28	1.11	-	.68	30	4	4	0	0	1	3	0	7	8.05	-	48	
	Lowestoft	9 9 9	82	64.7	48.4	56.5	0.0	83	4	39	26,27	59.6	55.5	30	1.19	66	.39	14	7	6	0	0	1	2	0	0	7.50	108	45	
	Mildenhall	18-7 7	15	69.7	46.4	58.1	-	85	4,5,6	27	11	-	-	11	.42	-	.13	12	3	3	0	0	0	1	0	2	0	8.26	-	50
Cambridge	Cambridge ..	2121 9	41	70.2	47.0	58.6	+0.6	88	5	35	1,26	59.6	54.8	14	.56	26	.18	12	5	5	0	0	0	1	-	5	0	7.58	110	66
	(Bot. Gdns.) (Univ. Farm) ..	9 9 9	78	69.7	47.7	58.7	-	85	29	35	11	-	-	10	.41	-	.15	12	6	4	0	0	0	2	0	3	0	8.01	-	48
Bedford	Dunstable ..	18-7 7	516	67.9	48.0	57.9	-	85	6	36	11	57.3	50.9	13	.52	-	.28	12	4	3	0	0	0	0	(2)	0	7.97	-	48	
	Luton	9 9 9	381	69.1	47.6	58.3	+1.5	85	6	34	11	57.7	52.1	8	.32	-	.20	12	2	2	-	-	-	0	4	-	7.88	115	53	
	Woburn	9 9 9	291	69.4	47.0	58.2	+1.3	85	6	33	11	62.9	53.7	7	.28	14	.19	12	3	2	0	0	0	1	0	0	-	7.75	121	47
Hertford	Rothamsted ..	9 9 9	420	67.8	47.6	57.7	+0.8	83	6	37	26	58.8	-	7	.27	12	.17	12	2	2	0	0	0	1	0	1	0	7.55	109	46
	St. Albans ..	9 9 9	272	69.5	46.1	57.8	+0.2	84	6	36	1,11,26	60.0	-	9	.36	18	.23	12	2	2	0	0	0	0	3	-	-	-	-	
Essex	Clacton-on-S. ..	9 9 9	53	63.5	49.8	56.9	-1.0	73	23	41	1,11,26	60.1	55.9	21	.83	49	.36	23	6	4	0	0	0	2	0	0	-	8.92	121	54
	Dovercourt ..	9 9 9	47	66.0	49.7	57.9	-0.7	73	23	42	11,12	-	-	75	2.96	-	1.24	30	5	4	0	0	0	3	0	0	-	8.67	-	53
	Earls Colne ..	9 9 9	160	69.8	46.6	58.2	-0.3	84	23	33	11	59.4	54.8	11	.45	-	.19	30	4	3	0	0	0	2	-	1	-	-	-	
	Halstead	9 9 9	140	70.8	45.3	58.1	-0.2	85	29	32	11	-	-	6	.25	-	.14	12	3	3	0	0	0	2	-	-	-	-	-	
	Malden	9 9 9	14	69.2	46.9	58.1	-	84	23	38	1	-	-	2	.07	-	.05	12	2	1	0	-	0	3	0	-	-	8.76	-	53
	Shoeburyness ..	18-7 7	11	67.8	48.3	58.1	0.0	80	30	38	26	-	-	9	.33	19	.17	12	3	2	0	0	0	0	0	1	0	9.43	125	57
	Walton-on-Naze ..	9 9 9	35		49.2			40	9,26			-	-	13	.50	-	.17	12	6	4	-	-	-	0	0	-	-	-	-	
	Writtle	9 9 9	105	70.1	44.2	57.1	-	85	29	33	26	-	-	6	.24	-	.11	12	5	3	0	0	0	1	-	9	-	-	-	
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan ..	9 9 9	90	67.2	46.3	56.7	-	83	6	36	11	-	-	29	1.14	-	.35	15	5	4	0	0	0	2	0	0	-	6.56	-	39
	Bingley	9 9 9	610	64.4	47.1	55.7	-	83	6	35	11	-	-	33	1.31	-	.52	13	8	5	0	0	0	0	1	-	-	-	-	
	Bradford	9 9 9	439	65.2	48.1	56.7	+1.2	83	6	37	11	55.7	50.1	29	1.15	48	.61	13	8	4	-	-	-	2	0	-	6.22	102	37	
	Doncaster	9 9 9	25																											
	Harrogate	9 9 9	478	65.9	48.0	56.9	+1.9	84	6	36	11	55.4	52.5	24	.94	39	.63	13	5	4	0	0	0	0	1	0	6.71	109	39	
	Huddersfield ..	2121 9	325	68.0	48.3	58.1	+1.8	88	6	34	11	56.9	51.8	33	1.29	58	.97	13	6	4	0	0	0	0	1	-	6.18	110	37	
	(Oakes)	9 9 9	761	66.0	47.7	56.9	+1.6	86	5	37	11	56.2	49.6	35	1.36	54	.99	13	8	3	0	0	0	0	1	3	0	-	-	
	Ilkley	9 9 9	315	66.4	47.0	56.7	+0.8	85	6	34	11	-	-	39	1.54	-	.70	13	7	4	0	0	0	0	0	0	-	6.34	109	37
	Meltham	9 9 9	585	65.3	47.5	56.4	-	84	5	33	11	53.5	-	37	1.44	-	1.13	13	7	3	-	-	-	-	0	-	-	-	-	
	Pontefract	9 9 9	255	65.7	49.6	57.7	+1.2	83	6	39	11	-	-	18	.70	35	.46	13	4	4	-	-	-	1	0	-	6.61	-	39	
	Rotherham	7 7 7	284	66.9	47.7	57.3	-	83	4,6	36	11	57.4	-	28	1.11	-	.87	13	8	3	0	0	0	1	0	1	-	6.52	-	39
	Sheffield	9 9 9	428	66.7	50.4	58.5	+1.7	85	6	39	11	56.7	52.1	29	1.15	51	.81	13	7	3	0	0	0	1	-	0	6.35	105	38	
Wakefield	9 9 9	124	69.8	47.8	58.8	+1.7	88	6	35	11	57.4	51.8	28	1.09	51	.61	13	10	5	0	0	0	2	0	2	-	6.29	108	37	
Derby	Belper (School) ..	9 9 9	198	68.7	46.6	57.7	+0.5	84	4,5	35	11	-	-	11	.44	19	.44	13	1	1	0	0	0	0	-	-	-	-	-	
	Buxton	9 9 9	1007	62.8	46.9	54.9	+1.2	82	5	36	11	55.5	51.1	20	.80	25	.49	13	8	3	0	0	0	1	0	0	0	6.70	113	40S
Nottingham	Attenborough ..	9 9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mansfield	9 9 9	357	67.6	49.0	58.3	+1.4	85	4,6	38	11	-	-	26	1.04	46	.82	13	3	2	0	0	0	0	0	-	-	-	-	
	Nottingham ..	9 9 9	192	68.2	50.7	59.5	+2.1	85	6	41	1,9	58.2	54.2	13	.53	28	.43	13	4	2	-	-	-	0	0	-	6.74	115	40	
	Sutton Bonington ..	9 9 9	157	68.5	46.8	57.7	+0.4	85	6	33	11	60.5	-	8	.30	17	.16	29	3	2	0	0	0	1	0	1	-	7.07	114	42
Leicester	Leicester	9 9 9	325	7																										

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL			WEATHER										BRIGHT SUNSHINE			
				Means of				Absolute Maximum and Minimum									Number of days										Percentage			
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	Total Fall	Per centage of Average	Amount	Date	Precip'n (0.2 mm or more)	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	mm	in	%	in	mm	in	mm	in	in	in	in	in	in	hr	%	%					
4 MID COUNTIES—cont.																														
Stafford	Market Drayton	9 9 9	581	66.2	46.1	56.1	—	85	5	36	17	—	—	24	.96	—	.93	12	3	1	0	0	1	0	4	—	7.69	—	46	
	Mayfield ..	9 9 9	374	67.6	46.6	57.1	+1.7	85	6	34	11	—	—	7	.26	11	.16	13	5	2	0	0	1	—	1	—	7.14	115	43	
Shropshire	Newport ..	9 9 9	211	68.3	44.4	56.3	—	87	5	33	14	—	—	11	.45	22	.26	12	6	3	0	0	2	0	10	—	7.47	—	45	
	Shrewsbury	9 9 9	184	68.3	47.5	57.9	+0.4	85	5	37	14	59.7	55.7	18	.72	—	.42	14	6	3	0	0	2	0	2	0	7.08	—	42	
Worcester	Droitwich	9 9 9	106	69.6	46.2	57.9	—	85	5	33	16	—	—	2	.08	—	.03	14.16	3	3	0	0	1	0	—	—	7.88	—	47	
	Malvern ..	9 9 9	380	68.7	50.7	59.7	+1.5	85	5.6	43	11,13,14	60.8	55.5	2	.09	4	.07	12	2	1	0	0	0	0	—	—	8.15	118	49	
	Prestwood	9 9 9	260	70.1	47.3	58.7	—	85	4.5	37	16	—	—	13	.51	—	.34	6	4	3	0	0	1	2	0	—	—	—	—	
	Worcester (Perdiswell)	9 9 9	94	72.0	47.5	59.7	+1.7	88	5	37	16	—	—	2	.07	—	.05	12	2	1	0	0	0	—	4	—	7.97	—	48	
Hereford	Bromyard	9 9 9	393	68.7	46.2	57.5	+0.5	83	4.5,6	36	14	59.9	53.8	9	.37	—	.19	12	2	2	0	0	1	0	—	—	—	—	—	
	Hereford	9 9 9	292	69.8	47.4	58.6	+1.3	85	6	38	14	—	—	14	.57	27	.35	14	3	2	—	—	—	—	—	—	—	—	—	
Gloucester	Ross-on-Wye	9 9 9	223	68.6	48.7	58.7	+0.6	84	5.6	37	14	60.6	55.5	3	.12	5	.04	12	5	1	0	0	1	0	1	0	7.89	114	47	
	Cheltenham	2121 9	214	70.6	49.1	59.9	+1.3	86	5.6	39	14	62.1	57.9	5	.20	9	.13	12	3	2	0	0	1	1	0	0	7.55	114	46	
	Parkend ..	9 9 9	325	69.6	46.7	58.1	—	84	5.6,22	33	14	57.8	53.5	11	.45	—	.23	14	5	3	0	0	1	0	1	—	7.07	—	43	
	Stonehouse	9 9 9	150	70.8	47.5	59.1	—	88	5	38	1,14	—	—	7	.27	—	.10	6,12	4	3	0	0	1	1	0	—	—	—	—	
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Camden Square ..	9 9 9	110	72.6	52.2	62.4	+1.4	90	6	42	11	60.2	55.1	9	.34	17	.17	12	5	3	0	0	1	—	0	—	—	—	—	
Surrey	East Ham	9 9 9	15	71.5	51.2	61.3	+2.0	85	29	42	1,11	—	—	1	.06	3	.03	18,20	2	0	—	—	—	—	—	—	—	—	—	
	Enfield ..	9 9 9	87	69.4	48.3	58.9	+0.6	85	7,30	35	11	—	55.9	5	.19	9	.12	12	4	2	0	0	1	0	0	—	7.93	115	48	
	Greenwich	2424 9	149	71.0	49.6	60.3	+1.2	86	6	40	1	56.8	53.7	9	.34	17	.13	30	5	4	0	0	3	0	4	0	8.04	118	49	
	Hampstead	9 9 9	450	69.4	49.2	59.3	+1.3	86	6	39	11	—	—	9	.34	—	.18	12	3	2	0	0	1	—	0	—	7.71	110	47.8	
	Kensington	18-9 9	80	72.2	51.6	61.9	+1.6	89	6	43	11	60.8	55.8	12	.48	24	.22	30	4	3	0	0	1	—	0	—	—	—		
	Kingsway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Regent's Park	9 9 9	129	71.6	51.7	61.7	—	88	6	42	11	—	—	9	.35	—	.19	12	2	2	0	0	1	0	0	—	—	—	—	
	Kew	2424 24	18	70.2	51.4	60.8	+1.3	86	6	44	1,11	60.8	55.0	36	1.42	65	1.24	30	2	2	0	0	1	0	3	0	8.14	120	49	
	Observatory	18-7 -	—	70.0	51.3	60.7	+0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Southgate	9 9 9	221	70.1	49.8	59.9	—	85	6	38	11	59.5	—	6	.25	—	.14	12	5	1	0	0	1	0	1	—	7.51	—	46	
	Tottenham	2121 9	54	73.0	53.5	63.3	+2.6	87	6,29	42	11	—	55.3	7	.26	13	.16	12	3	2	0	0	1	—	0	—	7.73	113	47	
	Wealdstone	9 9 9	195	71.3	49.8	60.5	—	89	6	40	11	—	—	8	.30	14	.25	12	3	1	0	0	1	0	0	—	—	—	—	
	Westminster	9 9 9	27	71.1	52.9	62.0	+1.9	86	6	44	1,11	—	—	15	.59	31	.48	30	4	2	0	—	—	—	—	—	7.75	117	47	
	Kent	Addington	9 9 9	475	69.3	48.6	58.9	+1.4	84	6	39	11	—	—	19	.73	—	.57	30	3	3	—	—	—	—	—	—	—	—	—
		Croydon ..	18-7 7	217	70.1	49.1	59.6	+0.7	88	6	39	1,26	—	—	17	.68	32	.48	30	5	3	0	0	1	0	0	0	9.12	130	55
	Sussex	Farnham	9 9 9	260	72.2	46.0	59.1	—	88	6	37	1,26	—	—	12	.47	—	.21	14	4	3	0	0	0	0	0	—	—	—	—
		Milford ..	9 9 9	180	71.3	43.9	57.6	—	87	6	33	9,11	—	—	6	.25	—	.13	12	3	3	0	0	1	0	2	—	9.18	—	56
		Wisley ..	9 9 9	150	71.1	47.5	59.3	+0.8	87	6	38	1,11,15	60.8	55.4	15	.61	34	.47	30	3	1	0	0	1	0	7	0	8.26	119	50
		Biggin Hill	18-7 7	567	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Bromley ..	9 9 9	213	72.7	49.1	60.9	—	89	6	40	1	—	—	26	1.04	54	.87	30	5	3	0	0	1	0	0	—	—	—	—
Canterbury		9 9 9	135	70.6	47.5	59.1	+0.4	83	6,23	38	20	60.1	55.8	3	.11	—	.05	15	3	2	—	—	—	—	—	—	—	—	—	
Deal ..		9 9 9	25	65.3	49.5	57.4	+1.2	81	23	41	20	58.2	54.8	6	.24	—	.12	15	4	3	0	0	0	0	4	—	9.31	123	57	
Dover ..		9 9 9	19	66.9	46.3	56.6	+0.8	84	6	37	20	—	—	5	.21	11	.07	11,15	4	3	0	0	0	0	—	—	—	—	—	
Dungeness		18-7 7	20	64.1	50.4	57.3	+0.2	71	5,24	40	1,15	—	—	4	.15	10	.07	12	2	2	0	—	—	—	—	—	—	—	—	
East Malling		9 9 9	132	70.1	46.0	58.1	+0.3	85	6	36	26	—	—	5	.21	—	.16	12	4	1	0	0	3	0	0	0	8.49	118	52	
Goudhurst		9 9 9	290	69.3	44.4	56.9	—	83	6	34	10	—	—	6	.24	—	.20	12	2	2	0	0	0	0	8	—	—	—	—	
Lympe ..		18-7 7	346	66.2	46.7	56.5	+0.0	80	6	37	26	—	—	4	.15	8	.05	12,13	4	2	0	0	1	0	0	0	9.90	131	60	
Manston ..		18-7 7	154	66.0	49.3	57.7	—	81	23,30	41	15	—	—	6	.23	—	.10	15</												

WEATHER OF THE DAY

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

TABLE 111 (continued) Summary of Observations of Temperature, Rainfall, and Weather																															
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																							
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date																				
Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in.	%	in	Amount	Date	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible		
5 ENGLAND, S.E.—cont.																															
I. of Wight	Newport ..	9 9 9	48	72.0	46.5	59.3	+0.4	85	5	38	14	-	-	19	.74	-	.64	11	3	2	0	0	0	0	0	0	-	-	-	-	
	Ryde ..	9 9 9	13	68.9	51.8	60.3	+1.2	80	5	45	14	-	-	18	.69	-	.63	11	3	1	0	0	0	0	0	0	9.87	126	61		
	St. Catherine's Point	18-7 7	150	64.0	50.1	57.1	-	77	5	38	15	-	-	23	.93	-	.75	11	3	2	0	0	0	0	0	0	0	0	-	-	
	Sandown ..	9 9 9	13	66.2	51.4	58.8	-0.1	76	5	43	14	-	-	16	.63	-	.54	11	3	3	0	0	0	0	0	0	-	10.08	125	62	
	Totland Bay ..	9 9 9	140	67.2	50.1	58.7	+1.0	82	5	44	9	-	-	17	.65	35	.56	11	4	2	0	0	0	0	0	0	0	10.11	129	62	
Wiltshire	Ventnor(Hospital)	9 9 9	60	66.1	52.3	59.2	+0.7	79	5	46	11,14,15	-	-	17	.67	37	.65	11	2	1	0	0	0	0	0	0	0	10.32	136	63	
	Amesbury (Boscombe Down)	18-7 7	417	69.1	47.1	58.1	-	85	6	38	14	-	-	11	.43	-	.22	12	4	3	0	0	0	0	1	0	0	7.95	-	48	
	Larkhill ..	9 9 9	440	67.7	47.5	57.6	+0.4	83	6	37	11	-	-	10	.38	20	.15	11	4	3	0	0	0	0	0	0	-	-	-	-	
	Marlboro' †	9 9 9	424	70.0	44.2	57.1	+0.7	85	6	34	11,14	58.3	53.4	8	.31	13	.15	11,12	3	2	0	0	0	0	1	3	0	8.06	129	49	
	Porton ..	9 9 9	363	68.9	46.1	57.5	+0.4	87	6	35	14	59.3	-	7	.26	13	.11	12	3	3	0	0	0	0	0	1	0	8.41	117	51	
7a ENGLAND, N.W.																															
Cumberland	Keswick ..	9 9 9	254	63.5	46.9	55.2	-0.6	81	5	37	11	-	51.2	30	1.20	41	.49	12	7	6	0	0	0	0	0	2	0	6.06	99	35	
	Newton Rigg †	2121 9	560	64.7	45.7	55.2	+0.5	83	5	35	11	-	-	20	.80	36	.33	13	5	3	0	0	0	0	0	2	0	6.19	96	36	
Westmorland	Ambleside ..	9 9 9	145	65.5	46.3	55.9	-	84	5	35	11	-	-	26	1.02	-	.49	1	6	4	0	0	0	0	0	-	-	7.39	-	43	
	Appleby ..	9 9 9	440	64.4	45.6	55.0	+0.4	83	5	35	12,17	-	-	28	1.10	48	.54	14	5	5	0	0	0	0	0	-	-	-	-	-	
Lancashire	Blackpool ..	9 9 9	65	63.1	49.6	56.3	-0.1	82	5	40	11	60.6	55.1	24	.93	43	.45	13	7	6	0	0	0	0	0	0	-	7.78	112	46	
	Bolton ..	9 9 9	342	67.0	46.9	56.9	+0.5	86	5	39	17	56.1	51.4	19	.75	25	.40	13	7	5	0	0	0	0	0	0	-	6.81	125	40	
	Burnley ..	9 9 9	458	65.2	46.5	55.9	+0.8	84	5	35	11	57.1	51.7	37	1.44	-	.89	13	8	6	0	0	0	0	1	0	1	-	-	-	
	Darwen ..	2121 9	724	67.2	47.2	57.2	+1.9	86	5	38	11	58.9	51.7	23	.91	27	.46	13	8	4	0	0	0	0	0	0	-	6.95	123	41	
	Fleetwood ..	9 9 9	21	65.4	49.4	57.4	-	78	5,15	42	11,12	-	-	29	1.16	-	.42	13	8	7	0	0	0	0	0	0	0	7.17	-	42	
	Hutton ..	9 9 9	82	64.8	47.7	56.3	+0.2	85	5	38	17	58.0	52.7	16	.64	-	.31	13	4	4	0	0	0	0	0	0	0	6.64	102	39	
	Leyland ..	9 9 9	125	65.1	47.3	56.2	+0.3	84	5	39	11,12,17	-	-	18	.72	28	.26	13	6	4	0	0	0	0	2	1	-	-	-	-	
	Manchester (Burnage)	9 9 9	147	68.1	48.6	58.3	-	87	5	41	17	-	-	20	.80	-	.45	13	10	5	0	0	0	0	0	0	-	6.44	-	35	
	(Whitworth Pk.)	2121 9	125	67.2	49.8	58.5	+0.8	87	5	42	11,17	56.8	53.6	21	.84	32	.51	13	8	3	0	0	0	0	0	0	0	6.28	120	37	
	Morecambe ..	9 9 9	23	63.0	50.6	56.8	-0.5	79	5	42	11	-	-	27	1.06	45	.39	13	5	5	0	0	0	0	0	0	0	7.45	102	44	
	Nelson ..	9 9 9	540	64.3	46.9	55.6	-	83	5	37	11	59.2	51.7	24	.93	-	.52	13	9	5	-	-	-	-	6	0	-	6.43	-	38	
Cheshire	Southport (Bedford Rd.Pk.) †	9 9 9	35	64.2	49.0	56.6	+0.3	83	5	37	11	59.6	56.2	12	.49	23	.16	12	7	4	0	0	0	1	0	1	0	8.07	114	48	
	Stonyhurst †	9 9 9	377	64.0	48.1	56.1	+0.3	82	5	39	11	-	-	43	1.68	55	1.08	13	8	5	0	0	0	1	0	0	0	6.98	117	41	
Cheshire	Bidston Obs'y ..	9 9 9	198	63.1	51.5	57.3	+0.6	82	5	45	11,14,15	-	-	5	.19	9	.07	14	5	2	-	-	-	0	0	0	0	7.82	117	47	
	Hoylake ..	9 9 9	23	66.3	50.0	58.1	+0.8	83	5	40	14	-	-	10	.39	10	.18	9	6	2	0	0	0	0	0	0	-	8.52	123	51	
	Macclesfield ..	9 9 9	500	65.9	48.8	57.3	+1.2	85	6	41	1	-	-	26	1.03	37	.38	12	11	7	0	0	0	0	0	0	-	-	-	-	
	Manchester (Ringway) ..	18-7 7	235	66.0	47.9	56.9	-	85	5	40	11	-	-	12	.48	-	.17	13	9	4	0	0	0	0	0	0	0	-	-	-	-
	Warburton ..	9 9 9	68	66.3	45.9	56.1	-	85	5	37	11,17	-	-	9	.35	-	.20	13	7	2	0	0	0	0	0	1	-	6.97	-	41	
West Kirby ..	9 9 9	25	65.7	50.0	57.9	0.0	85	5	43	14	-	-	9	.33	15	.15	14	8	3	0	0	0	0	0	0	0	-	8.13	112	48	
7b NORTH WALES																															
Flint	Hawarden B'dge	9 9 9	17	67.6	49.0	58.3	+0.8	87	5	36	14	-	-	3	.12	-	.09	14	3	1	0	0	0	0	0	0	-	-	-	-	
	Prestatyn ..	9 9 9	18	65.6	49.8	57.7	-	77	6	40	14	-	-	9	.36	-	.32	14	3	1	0	0	0	0	0	0	-	7.69	-	46	
	Rhyl ..	9 9 9	31	62.9	49.8	56.3	-0.4	79	5	37	14	-	-	5	.20	10	.16	14	3	1	0	0	0	0	0	0	0	8.08	114	48	
	Sealand .. †	18-7 7	16	65.8	49.4	57.6	+0.7	87	5	37	14	56.8	53.0	4	.16	8	.04	14	8	1	0	0	0	0	0	0	0	7.99	123	47	
Anglesey	Holyhead †	8 8 8	26	61.4	50.0	55.7	+0.4	74	5,6	41	14	-	-	3	.12	6	.04	17	5	1	-	-	-	-	1	0	0	8.98	125	53	
	Holyhead (Valley)	18-7 7	32	63.0	48.3	55.7	-	83	5	37	13	-	-	1	.05	-	.03	8	2	0	0	0	0	0	0	2	0	-	-	-	
Denbigh	Colwyn Bay ..	9 9 9	118	63.5	49.7	56.6	-0.5	75	5	40	14	-	-	8	.30	14	.15	14	7	2	0	0	0	0	0	0	-	8.28	120	49	
Carnarvon	Aber ..	9 9 9	60	63.6	49.3	56.5	-0.4	77	4,6	(39)	(14)	-	-	9	.36	-	.16	15	5	4	0	0	0	0	0	0	0	7.59	118	45	
	Llandudno ..	9 9 9	13	63.0	50.7	56.9	0.0	76	6	41	14	-	-	6	.24	13	.12	14	5	1	0	0	0	0	0	0	0	8.48	121	50	
Merioneth	Bala ..	9 9 9	535	66.5	44.9	55.7	-	89	5	35	14	-	-	7	.29	-	.17	13	5	2	0	0	0	0	0	0	-	-	-	-	
Montgomery	Lake Vyrnwy ..	9 9 9	750	67.0	46.0	56.5	-	83	5	34	14	-	-	16	.64	-	.26	14	6	4	0	0	0	0	0	0	-	-	-	-	
	Welshpool ..	9 9 9	254	70.1	44.4	57.3	+0.6	86	7	32	19	-	-	14	.54	25	.28	12	5	4	0	0	0	1	0	-	-	-	-	-	
8a SOUTH WALES																															
Cardigan	Aberporth ..	18-7 7	376	61.2	49.9	55.5	-	76	5	39	14	-	-	2	.09	-	.04	18	5	0	0	0	0	0	0	0	0	8.98	-	54	
	Aberystwyth ..	9 9 9	12	62.2	50.1	56.1	-0.4	76	6	44	15	-	-	65	2.57	-	1.80	13	5	4	0	0	1	0	0	-	8.55	13			

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JUNE, 1942

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	Per cent of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible							
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount												Date	0.01 in (0.2 mm) or more	0.01 in (1.0 mm) or more	Snow			
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in											hr	%
8a SOUTH WALES—contd.																															
Brecknock	Cantref ..	9 9 9	1080	64.3	46.1	55.2	-	81	6	36	14	-	-	6	.23	-	.13	1	3	2	0	0	0	0	1	-	-	7.97	-	48	
	Crickhowell ..	9 9 9	230	68.1	46.0	57.1	-	85	6	39	14	-	-	1	.02	-	.02	12	1	0	0	0	0	1	0	5	0	-	-	-	
Glamorgan	Cardiff ..	2121 9	203	68.6	49.8	59.2	+1.6	85	6	42	9,14	60.3	54.1	11	.44	18	.34	14	3	2	0	0	0	1	0	0	0	8.13	109	49	
	Swansea ..	9 9 9	33	67.4	52.0	59.7	+0.8	79	5,6	42	14	62.7	56.9	18	.70	-	.54	13	4	2	0	0	0	0	0	0	-	8.33	120	50	
8b ENGLAND, S.W.																															
Monmouth	Newport ..	9 9 9	265	70.4	50.4	60.4	+1.4	85	5,6	41	14	61.4	57.2	4	.17	-	.10	14	2	2	-	-	-	0	-	-	7.88	-	48		
	Usk ..	9 9 9	70	70.2	46.4	58.3	+1.0	85	4,5	34	15	62.7	-	17	.67	-	.45	14	3	2	0	0	0	0	0	0	6.21	24	38		
Somerset	Bath ..	9 9 9	67	69.5	49.7	59.6	+1.0	85	6	39	14	59.4	55.8	9	.37	16	.33	12	3	1	0	0	0	0	0	-	0	8.57	126	52	
	Bristol (Airport) ..	18-7 7	209	68.5	48.5	58.5	-	85	6	39	11,14	-	-	17	.66	-	.33	14	5	4	0	0	1	0	2	3	0	8.07	-	49	
	Cannington ..	9 9 9	95	67.9	50.3	59.1	-	85	6	37	14	-	-	10	.40	-	.28	12	5	2	0	0	0	0	0	0	8.00	-	(49)		
	Long Ashton ..	9 9 9	162	69.4	48.1	58.7	+0.2	85	5,6	38	14	-	-	10	.40	16	.23	12	5	3	0	0	0	0	1	0	7.59	105	46		
	Taunton ..	9 9 9	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Weston-super-Mare	9 9 9	28	67.6	51.7	59.7	-	85	5,6	43	14	-	-	10	.38	17	.36	12	2	1	0	0	0	0	0	0	-	9.11	135	55	
Dorset	Holton Heath ..	9 9 9	64	68.3	47.1	57.7	0.0	82	5	38	9,14	62.9	58.8	12	.48	-	.22	11	4	3	0	0	0	0	0	0	0	9.04	117	55	
	Poole ..	9 9 9	18	70.0	47.9	58.9	-	83	5	39	14,15	-	-	11	.44	-	.25	11	4	3	0	0	0	0	0	-	-	9.23	-	57	
	Portland Bill ..	18-7 7	32	61.3	51.7	56.5	-0.6	74	4	45	1	-	-	12	.48	31	.39	11	3	2	0	0	0	0	0	0	-	-	-	-	
	Shaftesbury ..	9 9 9	722	66.4	47.7	57.1	-	83	6	39	11	-	-	11	.42	-	.13	11	5	3	0	0	0	1	-	-	-	-	-	-	
	Swanage ..	9 9 9	14	67.7	51.6	59.7	-	75	4,23,30	40	14	-	54.7	14	.55	-	.41	11	3	2	0	0	0	0	0	0	-	10.23	-	63	
	Weymouth ..	9 9 9	16	66.1	50.7	58.4	-0.3	77	4	41	14	-	-	7	.26	15	.26	11	1	1	0	0	0	0	0	-	-	9.81	127	60	
Devon	Barnstaple ..	9 9 9	25	67.2	48.9	58.1	+0.8	84	5	38	14	-	-	5	.20	9	.18	12	2	1	-	-	-	0	0	-	-	-	-	-	
	Cullompton ..	9 9 9	202	71.5	47.6	59.5	+1.0	86	5,6	30	14	62.3	-	21	.82	39	.37	12	6	4	0	0	0	0	0	-	-	8.42	116	51	
	Dawlish ..	9 9 9	17	67.2	51.5	59.3	-	79	4	44	9	-	-	18	.71	-	.23	12	5	5	-	-	-	-	-	-	-	9.39	-	57	
	Exmouth ..	9 9 9	195	64.9	49.2	57.1	-0.6	75	4	41	11,14,17	-	-	15	.60	-	.18	16	5	4	0	0	0	1	0	-	0	9.36	125	57	
	Hartland Pt. ..	18-7 7	299	60.8	52.8	56.8	-	80	6	44	14	-	-	4	.17	-	.06	12	5	2	0	0	0	0	1	0	-	9.59	-	59	
	Ilfracombe ..	9 9 9	25	63.1	53.2	58.1	+0.5	78	5	46	11	63.2	58.2	6	.24	.12	.22	13	3	1	0	0	0	0	0	0	-	9.62	130	59	
	Killerton ..	9 9 9	159	72.1	42.6	57.3	-0.6	82	5,6	34	14	-	-	18	.71	-	.36	12	3	3	-	-	-	0	3	-	-	-	-	-	
	Newton Abbot ..	9 9 9	375	67.9	48.3	58.1	-0.4	79	4	38	14	-	-	27	1.05	53	.56	14	3	3	0	0	0	1	0	1	0	8.64	119	53	
	(Seale-Hayne Coll.)																														
	Plymouth (Hoe) ..	2121 9	117	67.1	51.5	59.3	+1.5	81	5	40	14	59.8	55.2	7	.27	13	.12	11	4	3	0	0	0	0	0	0	0	8.87	119	54	
	Plymouth (Mount Batten)	18-7 7	82	64.9	49.7	57.3	-0.6	79	5	35	14	-	-	5	.21	-	.11	11	4	2	0	0	0	0	2	0	0	8.69	113	53	
	Princetown ..	9 9 9	1359	64.1	46.4	55.3	+1.5	81	6	37	14	-	-	16	.64	16	.25	12	7	4	0	0	0	1	2	0	-	-	-	-	-
	Seaton ..	9 9 9	43	65.9	48.5	57.2	-	77	5	37	14	-	-	7	.28	-	.16	12	3	3	0	0	0	0	1	0	-	-	-	-	-
	Sidmouth ..	9 9 9	25	65.4	49.5	57.5	+0.2	76	5	39	14	-	-	14	.54	-	.20	12	4	4	0	0	0	0	1	0	-	9.44	-	58	
Tavistock ..	9 9 9	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Teignmouth ..	9 9 9	20	65.9	50.8	58.3	-0.2	75	4,5	40	14	-	-	13	.51	27	.17	12	6	4	0	0	0	1	1	-	-	9.44	126	58		
Torquay ..	9 9 9	27	65.5	51.0	58.3	-0.1	75	5	40	14	-	-	11	.44	23	.17	14	4	3	0	0	0	1	1	0	0	9.63	122	48		
Totnes ..	9 9 9	100	68.3	44.4	56.3	-	79	4	32	14	58.5	-	10	.41	-	.20	12	3	2	0	0	0	0	-	2	0	9.56	-	-	-	
Cornwall	Bude ..	9 9 9	50	63.8	50.1	56.9	-0.3	84	5	42	9	-	-	10	.40	20	.19	12	7	2	0	0	0	0	0	-	0	9.81	130	60	
	Ellbridge ..	9 9 9	200	67.6	48.3	57.9	-	82	6	38	9	-	-	13	.51	-	.21	14	4	3	0	0	0	0	0	-	-	9.00	-	55	
	Falmouth Obs. †	9 9 9	167	65.4	51.7	58.5	+1.2	76	6	41	14	62.0	58.4	11	.44	19	.19	11	3	3	0	0	0	1	0	0	-	9.36	124	58	
	Fowey ..	9 9 9	51	-	49.7	-	-	-	-	38	14	-	-	11	.42	-	.24	12	4	2	0	0	0	0	0	-	-	8.69	115	53	
	Gulval ..	9 9 9	20	65.7	50.4	58.1	+0.1	80	5	40	14	-	-	-	.59	-	.43	11	2	2	0	0	0	0	2	0	-	8.96	109	55	
	The Lizard ..	18-7 7	240	62.3	50.7	56.5	-	70	6	44	9,15	-	-	15	.58	-	.21	12	6	4	0	0	0	0	4	-	0	9.44	-	58	
	Newquay ..	9 9 9	182	62.8	51.4	57.1	+0.8	80	5	40	14	59.9	55.7	13	.50	25	.24	12	5	3	0	0	0	0	3	-	0	9.16	123	56	
	Penzance ..	9 9 9	55	65.2	51.3	58.3	0.0	77	4	42	14	-	-	14	.57	26	.36	11	4	2	0	0	0	0	1	-	-	8.54	117	53	
	Perranporth ..	9 9 9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tintagel ..	9 9 9	260	61.4	52.6	57.0	-	82	5	44	10	-	-	6	.24	-	.11	12	6	2	0	0	0	0	2	-	-	8.88	-	55		
NORTHERN IRELAND																															
Londonderry	Castlerock ..	9 9 9		59.9	49.6	54.7	-	69	2,3	43	13	-	-	19	.75	-	.29	20	13	5	-	-	-	1	0	0	-	-	-	-	-
	Garvagh .. (Moneydig)	7 7 7	121	63.5	46.7	55.1	-	79	5	36	11	-	-	26	1.02	40	.20	20,21</													

TABLE IV—Summary of Observations at fixed hours

JUNE, 1942

[illegible]

* Mean of hourly readings.

† Pressure at Station Level.

† Mean pressure at Station Level is 977.4 mb.

†† Mean pressures at Station Level are 990.9

mb. at 7 h.,

990•6 ■

mb. at 13 h.

mb. at 18 h., and

991.0 mb. at 21 h.

TABLE IV (continued)—Summary of Observations at fixed hours

JUNE, 1942

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
												0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Med. Vis.	Good Visibility	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																	0	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2 ENGLAND, N.E.—cont.			G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</

TABLE IV (continued)—Summary of Observations at fixed hours

JUNE, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																			
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION															
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	16	18	20	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																					0	1	2	3				4	5	6													
5 ENGLAND, S.E.—cont.																																											
Kent—cont.	H	1	345	1020.5	-	50.3	1.4	11.3	90	3.4	9	7	8	2	4	0	0	1	1	0	0	10	10	8	0	0	0	0	1	14	15	3	3	1	1	0	1	2	4				
		7	345	1020.7	+3.9	56.3	3.4	12.4	79	4.3	7	8	4	8	3	0	0	0	0	0	1	7	11	10	1	0	0	1	25	4	3	7	3	2	0	2	3	6					
		13	345	1020.5	-	63.5	7.3	12.4	62	5.2	5	6	5	9	5	0	0	0	0	0	0	0	8	0	18	4	0	0	1	29	0	3	7	2	7	3	4	3	1				
		18	345	1019.9	-	62.1	6.7	12.3	65	4.4	7	8	4	9	2	0	0	0	1	0	0	0	2	6	15	6	0	0	3	25	2	1	6	2	5	6	2	3	5				
Manston ..	H	1	156	1019.9	-	52.8	1.5	12.4	90	3.4	11	9	1	4	4	0	0	0	0	0	5	16	5	4	0	0	0	1	22	7	2	5	2	2	0	3	5	4					
		7	156	1020.1	-	56.7	2.8	13.1	83	4.9	5	8	4	9	4	0	0	0	0	0	2	15	5	5	0	0	0	1	26	3	4	3	4	6	2	0	1	7	6				
		13	156	1021.0	-	63.2	5.7	13.9	70	4.9	6	5	6	11	2	0	0	0	0	0	1	14	4	10	3	0	0	3	26	1	3	7	4	6	2	0	3	4					
		18	156	1019.4	-	62.1	6.2	13.8	72	5.4	7	4	3	11	5	0	0	0	0	0	1	13	2	7	0	0	0	3	24	3	4	6	3	3	4	3	1	3					
Tunbridge Wells ..		9	407	1020.4	+3.2	60.1	4.0	13.5	76	4.7	8	6	2	9	5	0	0	0	0	0	0	6	24	0	0	0	4	26	0	3	11	2	2	1	0	1	10						
Sussex	H	9	154	1020.2	+3.1	61.0	5.5	12.7	69	4.0	9	7	5	5	4	0	0	0	0	0	2	12	2	14	0	0	0	4	25	1	1	8	0	6	3	6	1	4					
		1	10	1020.1	-	52.2	1.6	11.9	89	3.7	9	10	1	4	6	0	0	0	0	2	1	7	11	9	0	0	0	1	27	2	6	6	3	0	0	1	4	8					
		7	10	1020.4	-	56.8	3.5	12.7	79	5.0	6	7	1	13	3	0	0	0	0	0	1	5	11	10	3	0	0	3	24	3	5	7	3	2	0	0	4	6					
		13	10	1020.2	-	65.6	7.5	13.3	62	5.8	3	7	4	10	6	0	0	0	0	0	0	3	8	12	7	0	0	8	22	0	2	3	3	2	10	6	2	2					
18	10	1019.5	-	63.9	6.6	13.1	65	4.8	5	8	5	8	4	0	0	0	0	0	0	5	1	14	10	0	0	0	4	26	0	2	1	2	4	6	6	6	3						
Hampshire	H	9	84	1020.5	-	64.2	7.6	12.7	62	5.1	6	4	7	11	2	0	0	0	0	0	11	3	16	0	0	0	5	25	0	4	4	5	1	2	3	4	7						
		21	84	1020.0	-	59.2	4.1	13.0	75	4.5	4	8	10	6	2	0	0	0	0	0	1	8	10	9	0	0	0	2	22	6	4	3	2	0	3	1	2	9					
		7	231	1020.6	-3.7	54.9	3.2	11.9	79	4.9	7	6	3	11	3	0	0	0	0	0	2	13	5	9	1	0	0	1	22	7	1	4	3	0	0	1	8	6					
		13	231	1019.9	-	68.2	11.0	11.5	49	6.3	3	4	4	15	4	0	0	0	0	0	0	3	7	14	0	0	0	2	28	0	4	4	4	2	2	1	6	7					
18	231	1019.0	-	68.0	10.6	11.7	50	6.4	3	4	6	12	5	0	0	0	0	0	0	1	4	5	15	0	0	0	1	28	1	3	4	4	1	1	4	8	4						
I. of Wight	H	9	80	-	-	61.1	4.8	13.4	72	4.4	5	9	5	9	2	-	-	-	-	-	-	-	-	-	-	0	0	8	22	0	3	3	8	2	0	4	7	3					
		15	80	-	-	63.6	6.1	13.5	67	4.2	6	9	6	5	4	-	-	-	-	-	-	-	-	-	-	0	0	9	21	0	1	0	9	1	1	2	14	2					
Wiltshire	H	7	420	1021.0	-	54.1	2.5	12.2	85	5.2	7	5	4	11	3	0	0	1	0	1	0	12	11	5	0	0	0	3	20	7	5	2	4	1	1	2	1	7					
		13	420	1020.4	-	66.5	9.1	12.5	56	6.5	3	4	3	15	5	0	0	0	0	0	0	7	5	16	0	0	0	5	25	0	3	3	5	2	2	2	6	7					
		18	420	1019.6	-	65.8	8.3	12.9	59	5.4	3	8	5	8	6	0	0	0	0	0	0	7	9	13	0	0	0	6	23	1	6	3	2	2	2	4	4	6					
		9	444	1020.7	-	60.3	5.8	12.0	67	5.5	6	4	4	10	6	0	0	0	0	0	0	7	11	12	0	0	0	7	22	1	5	4	4	1	2	1	7	5					
Larkhill ..	H	13	444	1020.1	-	65.6	8.5	12.5	58	6.6	2	6	2	12	8	0	0	0	0	0	6	8	16	0	0	0	9	20	1	5	3	4	2	2	2	5	6						
		15	444	1019.7	-	65.8	8.2	12.8	59	6.4	2	6	4	13	5	0	0	0	0	0	1	5	8	16	0	0	0	8	20	2	5	2	3	1	3	1	7	6					
		7a ENGLAND, N.W.																																									
		Lancashire																																									
Hutton ..	H	9	86	1020.8	+4.9	59.8	4.1	13.3	76	6.1	1	8	4	17	0	-	-	-	-	-	-	-	-	-	-	0	0	0	26	4	0	1	1	1	2	8	3	10					
		9	127	1020.5	+4.4	60.1	5.7	12.0	69	6.7	4	2	4	10	10	-	-	-	-	-	-	-	-	-	-	0	0	3	23	4	1	3	2	0	3	5	11	1					
		21	127	1020.2	-	57.9	4.4	12.0	74	5.8	1	12	2	6	9	-	-	-	-	-	-	-	-	-	-	0	0	1	22	7	0	2	3	0	1	3	11	3					
		9	37	1021.2	+4.6	58.7	5.2	12.0	71	7.0	0	7	4	8	11	0	0	0	0	0	3	10	4	11	2	0	0	1	7	19	3	2	0	3	2	2	1	9	3				
Southport ..	H	15	37	1020.9	-	61.5	6.8	11.5	63	5.2	1	8	10	6	5	0	0	0	0	0	0	5	3	18	4	0	0	1	13	16	0	2	2	0	0	0	5	21					
		21	37	1021.1	-	56.2	3.6	12.1	78	5.2	0	13	3	7	7	0	0	0	0	2	3	7	15	5	0	0	0	1	16	3	5	4	1	0	0	1	4	12					
		9	381	1020.3	+3.7	58.6	5.1	11.7	69	7.0	3	4	4	7	12	0	0	0	0	0	0	10	11	9	0	0	0	1	4	25	1	1	4	2	0	1	6	11	4				
		21	381	1020.4	-	54.9	3.0	11.9	81	5.6	3	8	4	10	5	0	0	0	0	0	0	10	10	10	0	0	0	1	28	1	3	5	1	0	0	4	16	0					
Bidston Obs'y. ..	H	9	202	1020.6	+4.1	58.0	4.7	11.8	71	7.1	3	1	6	10	0	0	0	0	1	8	5	8	8	0	0	0	1	10	17	2	0	1	2	3	2	0	7	13					
		1	261	1020.4	-	50.7	1.5	11.4	90	4.7	5	10	4	6	5	0	0	0	0	1	3	18	6	2	0	0	0	1	14	15	0	0	2	1	4	2	4	2					
		7	261	1020.3	-	53.5	2.2	12.0	86	6.7	4	4	1	12	9	0	0	0	0	4	7	15	4	0	0	0	0	3	17	10	0	1	1	0	6	1	8	3					
		13	261	1019.8	-	63.5	7.8	12.0	61	6.9	2	3	2	16	7	0	0	0	1	0	0	13	7	9	0	0	0	4	22	4	1	0	0	0	7	1	12	5					
18	261	1019.4	-	61.7	6.4	12.4	66	6.3	2	4	8	13	3	0	0	0	0	0	2	10	7	9	2	0	0	0	8	19	3	1	2	0	0	2	1	12	9						
7b NORTH WALES.																																											
Flint	H	7	19	1020.4	-	58.1	6.0	12.0	80	6.6	3	5	1	15	6	0	0	0	0	2	2	10	10	6	2	0	0	3	24	3	1	0	1	5	3	0	5	12					
		13	19	1020.3	-	62.9	6.9	12.4	64	6.6	0	5	5	17	3	0	0	0	0	0	0	8	6	14	0	0	0	12	18	0	1	0	0	2	1	3	4	19					
		18	19	1020.0	-	60.5	5.5	12.3	68	6.1	3	5	5	14	3	0	0	0	0	0	0	3	8	18	1	0	0	0	20	0	2	0	0	0	2	0	6	20					
		1	34	1020.5	-	50.8	1.5	11.4	89	5.1	3	11	2	10	4	0	0	0	0	0	0	4	3	18	5	0	0	1	5	22	2	8	5	1	0	8	2	2	2				
Anglesey	H	7	34	1020.4	+4.1	54.3	2.6	12.0	82	6.2	1	9	3	14	3	0	0	0	0	1	1	2	4	17	5	0	0	6	20	3	8	0	1	0	6	5	3	4					
		13	34	1020.6	-	60.3	5.9	12.2	69	6.7	2	5																															

TABLE IV (continued)—Summary of Observations at fixed hours

JUNE, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
										0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY				8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
															0	1	2	3				4	5	6	7														8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
8b ENGLAND, S.W.—cont.	a.m.t.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

TABLE III (a)—SKY OBSERVATIONS, JUNE, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH			NIGHT SKY RECORDER**		
Persistently overcast days	Number	1	Recorder in operation on	GREENWICH	PORTON
" cloudless "	2		Average exposure (hours)	28 nights	30 nights
" foggy "	0		Polaris unobscured (per cent.)	4.54	4.2
			3 Ursæ Minoris (ditto)	66	76
				64	64

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		
Max. (on 23 rd)	Cal./cm. ² /diem.	599
Mean	..	310.9

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 7.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1424 8

JULY, 1942.—Unsettled and mainly cool.

The month opened with mainly fair, warm, anticyclonic weather. On the 2nd and 3rd a large depression centred south-westward of Iceland moved slowly east to a position off our north-west coasts where it remained almost stationary for some days; meanwhile associated troughs of low pressure moved eastward over the British Isles. A period of unsettled weather ensued, with rain at times and local thunderstorms but long sunny periods. Between the 7th and 10th the depression off north-west Scotland moved east and filled up, while on the 9th and 10th a depression moved from a position off our south-west coasts to the Netherlands; showery conditions with local thunder but a good deal of sunshine, prevailed for the most part but in the south-east on the 10th, weather was very cool and dull with heavy rain locally. A wedge of high pressure moving east was associated with a fair day in many districts on the 12th, but further rain was experienced in the west and north later. A deep depression moved north-east across Iceland on the 13th and associated troughs crossed the British Isles causing rain or showers in most districts. From the 15th to 17th a new depression moved eastward across the north of Scotland; rain occurred fairly generally and in the rear of the depression there was a considerable fall of temperature. On the 19th and 20th the dominating feature of the pressure distribution was a large anticyclone centred north of the Azores. Mild weather prevailed with only slight local rain. A depression south of Iceland moved quickly east-south-east on the 22nd and 23rd giving unsettled weather accompanied by strong winds and local gales. On the 24th and 25th a new disturbance moved north-east from a position off the Hebrides and on the 26th and 27th a secondary depression south-west of Ireland moved quickly eastward across southern England. Some rain fell on the 24th and 25th chiefly in the north and west but there were also sunny periods on the 24th and many good sunshine records on the 25th. There was considerable rainfall in the southern half of the country during the passage of the depression on the 26th and 27th. On the 28th a shallow depression on the Atlantic south-west of Iceland and an associated trough moved east and caused rain in the west and north of the British Isles on the 28th and some scattered rain on the 29th. Subsequently a large anticyclone on the Atlantic extended its influence eastward and maintained fair weather over most of the British Isles on the 30th and over England and southern Scotland also on the 31st but a trough of low pressure off our north-west seaboard moving south-east was associated with rain in the extreme west and north on the 31st.

Pressure and Wind.—Mean pressure was somewhat below the average over most of the country, but slightly above in the extreme south, particularly the south-west. The deviation at 7h. ranged from -2.3 mb. at Sumburgh in the Shetlands to +1.2 mb. at the Scilly Isles. South-westerly to north-westerly winds predominated, and those from the east were few. Local gales occurred on the 17th-18th, 22nd-25th and 27th. Among the highest speeds reached in gusts were 60 m.p.h. at Bidston and 54 m.p.h. at St. Ann's Head on the 23rd, 56 m.p.h. at Renfrew on the 24th and 67 m.p.h. at Lerwick and 63 m.p.h. at Bell Rock lighthouse on the 25th.

Temperature.—Mean temperature was, on the whole, somewhat below the average, the deviations for the districts ranging from -1.2°F. in Scotland, W. to 0°F. in Scotland, E. The days were mainly cool, particularly in the west of Scotland; for example at Duntulm, Skye, temperature did not exceed 60°F. on any day from the 6th to the 29th. Among the warmest days were the 1st-2nd, 5th, 20th-21st and 31st; the 5th was very warm in the eastern

districts of England, 80°F. being reached or exceeded at numerous stations. The coolest days included the 10th, 17th and 18th, when maxima below 60°F. occurred in some parts.

The extremes for the months were:—(England and Wales) 84°F. at Whitstable on the 5th and at Poole on the 21st, 35°F. at Droitwich on the 12th; (Scotland) 78°F. at Marchmont and Peebles on the 2nd, 36°F. at Peebles and West Linton on the 12th, at Peebles, West Linton and Glenbranter on the 27th and at Balmoral on the 28th; (Northern Ireland) 75°F. at Armagh on the 31st, 39°F. at Aldergrove on the 12th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 100 over England and Wales, 111 over Scotland and 144 over Northern Ireland.

In England and Wales the distribution was variable but broadly speaking less than the average occurred over a large area covering most of the Midlands and south and south-west England, as well as in a part of the Lake district and at some isolated stations. More than the average occurred over most of Wales and north-west England, much of north-east and east England and east Kent; more than twice the average was received in the neighbourhood of Lowestoft. In Scotland there was an excess west of a line drawn from Wigtown Bay to Sutherland as well as on the extreme north coast and in the Orkneys and Shetlands. A few stations in the east also had a little more than the average. Elsewhere there was a deficiency. In Northern Ireland the excess was general and percentages of the average ranged from 114 at Seaforde to 179 at Ballymena.

Measurable rain fell frequently in the west and north; for example on 28 days at Achnashellach and Onich and 25 days at Duntulm, Fort William and Ardtornish.

Among the heaviest falls in 24 hours were:—

- 3rd 2.78 in. at Princetown, 2.30 in. at Kingairloch (Argyllshire) and 2.28 in. at Garelochhead (Dumbarton).
- 21st 2.76 in. at Kinlochhourn (Argyllshire) and 2.49 in. at Loch Carron (Ross and Cromarty).
- 22nd 3.94 in. at Blaenau Festiniog, 3.00 in. at Borrowdale, 2.80 in. at Machynlleth (Montgomery) and 2.65 in. at Glenmoidart (Inverness-shire).
- 31st 2.10 in. at Carbost (Skye).

Local thunderstorms were reported daily during the first ten days and on the 13th, 14th, 16th, 26th and 27th.

Sunshine.—In Scotland, sunshine was below the average on the whole in the north-west and north and above the average at most stations in the east and west. In England and Wales sunshine was below the average on the whole but there was an excess in some areas in the north, in parts of Wales and at a few isolated stations elsewhere; the deficiency was generally greatest in the east and south-east. In Northern Ireland there was a slight deficiency. The percentages of the average for the districts ranged from 85 in England, S.E., to 109 in Scotland, W.

Fog.—There was not much fog during the month but local fog (chiefly early morning) was reported at times mainly on the 1st, 2nd, 4th-6th, 13th, 19th-21st, 24th, 27th-29th and 31st.

Miscellaneous Phenomena.—Solar halos were noted at Oxford on eight days. A halo phenomenon, which presented several infrequent features, was widely observed in the west and north of Scotland on the 1st.

MWR dup

TABLE I—DISTRICT VALUES—

JULY, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	75	37	-0.3	—	—	112	+2	89	23
Eastern									
1 SCOTLAND, E.	78	36	0.0	—	—	92	+3	107	32
2 ENGLAND, N.E.	76	33	-0.7	+0.2	+0.1	113	+3	107	36
3 ENGLAND, E.	83	38	-0.4	-1.1	-1.1	107	+1	98	35
4 MIDLAND COUNTIES	83	35	-0.7	-0.8	+0.1	79	+2	92	32
5 ENGLAND, S.E.	84	38	-0.8	+0.1	+0.5	86	0	85	35

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western	76	36	-1.2	-1.7	-1.8	97	+2	109	32
6 SCOTLAND, W.									
7 ENGLAND, N.W. (and N. Wales)	83	38	-1.0	-0.3	+0.7	111	+1	96	35
8 ENGLAND, S.W. (and S. Wales)	84	39	-0.7	-1.1	-0.2	85	+2	92	37
NORTHERN IRELAND	75	39	-0.8	—	—	158	+5	87	29
MEAN 0, 1, 6	—	—	-0.5	—	—	—	—	102	29
MEAN 2, 3, 4, 5, 7, 8	—	—	-0.7	—	—	—	—	93	35

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

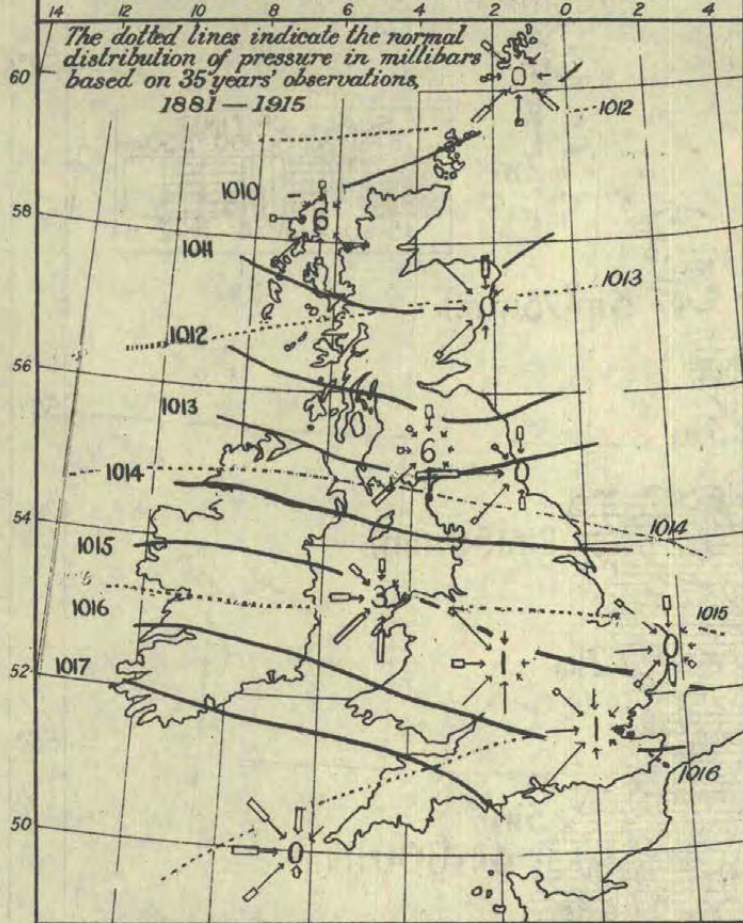
JULY, 1942

[1914]

DISTRICT AND STATION				Height			Distribution of Wind ††								Extreme Velocities									
				Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust					
							Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed	Hour ended at	Speed	Time					
				ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m	
0 SCOTLAND, N.																								
Shetland Lerwick				310	53	39	25	7	8	53	377	275	32	0	290	45	20	25 13	67	29	25	13	35	
Orkney Kirkwall				170	40	35	-	0	5	15	272	374	83	0	260	28	13	24 21	50	22	24	19	20	
Hebrides Stornoway				120	40	36	-	0	7	39	275	291	139	0	250	34	15	24 15	49	22	24	15	00	
1 SCOTLAND, E.																								
Aberdeen Aberdeen				120	41	32	-	0	0	0	103	463	178	0	350	21	9	17 17	43	19	17	17	15	
Angus Bell Rock Lighthouse				130	-	126	25	8	12	84	367	199	86	0	250	48	21	25 05	63	28	25	05	00	
Edinburgh Edinburgh				485	39	23	-	0	3	14	314	341	75	0	240	28	13	25 07	49	22	25	05	55	
6a SCOTLAND, W.																								
Argyll Tiree				75	50	42	-	0	6	16	208	408	112	0	260	30	13	25 01	49	22	25	00	35	
Renfrew Paisley				188	81	31	-	0	0	0	85	583	71	0	230	19	9	24 14	51	23	24	13	30	
Renfrew (Abbotsinch)				65	46	34	-	0	1	1	142	455	146	0	270	29	13	24 13	56	25	24	13	00	
Dumfries Eskdalemuir				825	50	35	-	0	7	19	230	353	142	0	250	30	13	22 16	53	24	22	20	40	
6b ISLE OF MAN																								
Isle of Man Point of Ayre ..				70	40	35	-	0	9	54	360	275	55	0	300	37	17	25 01	48	22	24	09	50	
2 ENGLAND, N.E.																								
Durham South Shields				73	57	44	-	0	2	32	197	369	146	0	350	34	15	17 11	49	22	17	10	40	
Durham				389	53	33	-	0	1	1	263	371	100	0	260	25	11	25 09	48	21	25	08	30	
Yorks., N.R. Catterick				220	45	33	-	0	0	0	99	460	185	0	360	20	9	17 15	44	20	22	18	35	
Yorks., E.R. Spurn Head				64	42	34	-	0	3	11	371	344	17	1	200	28	13	4 14	50	22	4	13	40	
Lincoln Cranwell				284	43	33	-	0	3	11	371	344	17	1	200	28	13	4 14	50	22	4	13	40	
3 ENGLAND, E.																								
Norfolk Gorleston				52	42	34	-	0	2	5	152	492	88	7	200	29	13	4 15	45	20	18	17	10	
Suffolk Mildenhall				98	83	58	-	0	2	6	255	447	36	0	200	26	12	4 16	45	20	4	12	55	
Bedford Cardington				285	150	135	-	0	3	20	240	423	61	0	190	31	14	4 13	43	19	24	12	50	
Essex Shoeburyness				115	104	89	-	0	1	5	272	423	44	0	200	29	13	4 14	36	16	22	21	55	
4 MIDLAND COUNTIES																								
Leicester Leicester				385	60	33	-	0	1	1	231	484	28	0	260	25	11	23 02	44	20	23	01	40	
Warwick Birmingham				643	118	73	-	0	1	1	231	484	28	0	260	25	11	23 02	44	20	23	01	40	
5 ENGLAND, S.E.																								
London Southgate				222	30	-	-	0	0	0	103	547	94	0	210	23	11	4 14	43	19	4	14	00	
Surrey Kew Observatory				92	75	50	-	0	0	0	103	547	94	0	210	23	11	4 14	43	19	4	14	00	
Croydon				313	105	70	-	0	0	0	133	500	111	0	350	22	9	19 09	42	19	19	06	40	
Kent Lympne				418	76	48	-	0	0	0	150	388	206	0	320	23	10	24 18	41	18	24	16	20	
Manston				199	46	40	-	0	0	0	150	388	206	0	320	23	10	24 18	41	18	24	16	20	
Hants Calshot				58	50	42	-	0	2	4	301	418	21	0	270	27	12	16 14	47	21	16	13	40	
Wiltshire Boscombe Down				462	45	33	-	0	2	4	301	418	21	0	270	27	12	16 14	47	21	16	13	40	
Larkhill				491	51	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7a ENGLAND, N.W.																								
Lancashire Fleetwood				112	50	31	-	0	10	56	388	245	51	4	320	36	16	16 24	52	23	23	02	10	
Manchester (Barton)				153	83	80	-	0	4	27	339	300	72	6	290	30	13	23 14	49	22	4	13	45	
Southport				60	42	33	-	0	6	49	388	232	59	16	270	39	17	23 05	53	24	23	04	10	
Cheshire Bidston Obs'y.				262	64	39	-	0	7	39	354	290	53	8	280	38	17	23 04	60	27	23	00	10	
Manchester (Ringway)				315	80	40	-	0	2	5	342	322	75	0	280	26	12	23 14	42	19	23	08	05	
7b NORTH WALES																								
Anglesey Holyhead				68	43	35	-	0	5	50	410	232	52	0	320	35	16	17 06	48	21	17	08	21	
Flint Sealand				81	65	42	-	0	3	12	197	375	154	6	290	28	13	17 01	45	20	23	13	35	
8a SOUTH WALES																								
Pembroke St. Ann's Head				212	70	-	22	5	11	105	402	217	0	15	260	41	18	22 19	54	24	23	01	55	
8b ENGLAND, S.W.																								
Devon Plymouth				185	88	65	-	0	4	26	276	359	73	10	-	36	16	4 11	45	20	4	09	45	
Cornwall The Lizard				315	75	60	-	0	4	26	276	359	73	10	-	36	16	4 11	45	20	4	09	45	
Pendennis Castle				265	65	42	-	0	4	26	276	359	73	10	-	36	16	4 11	45	20	4	09	45	
NORTHERN IRELAND																								
Antrim Aldergrove				328	60	42	-	0	0	0	169	404	171	0	330	21	9	17 14	45	20	17	13	10	
SCILLY ISLES																								
St. Mary's				230	65	57	-	0	6	30	366	318	30	0	260	31	14	23 01	42	19	23	02	15	

MONTHLY WEATHER CHARTS JULY 1942

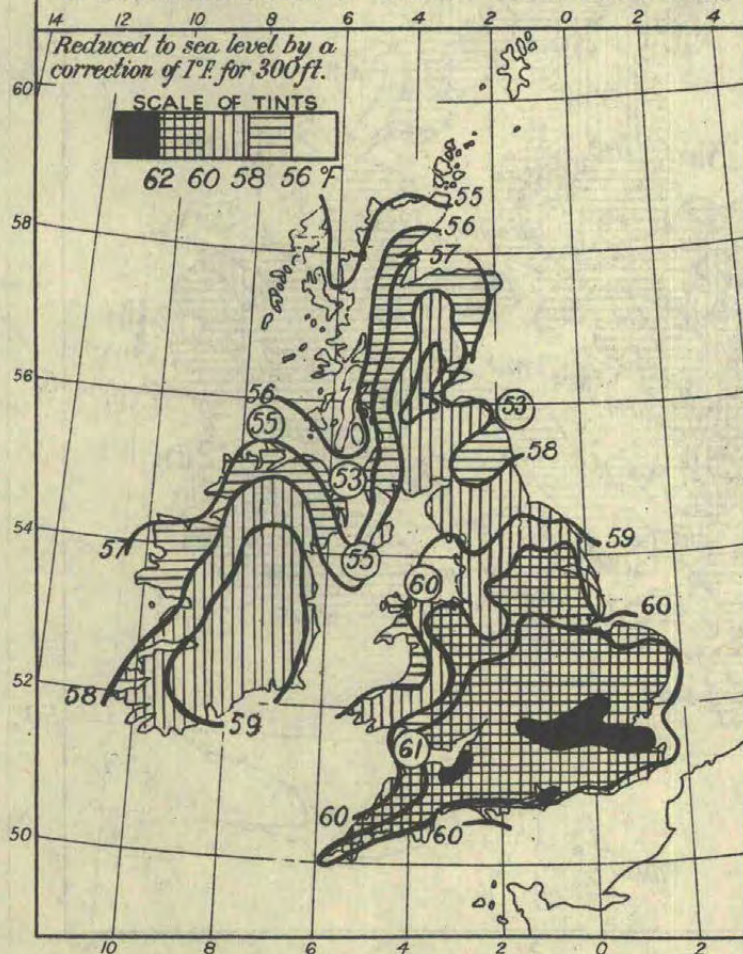
1. WIND AND MEAN PRESSURE. 7 A.M.



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

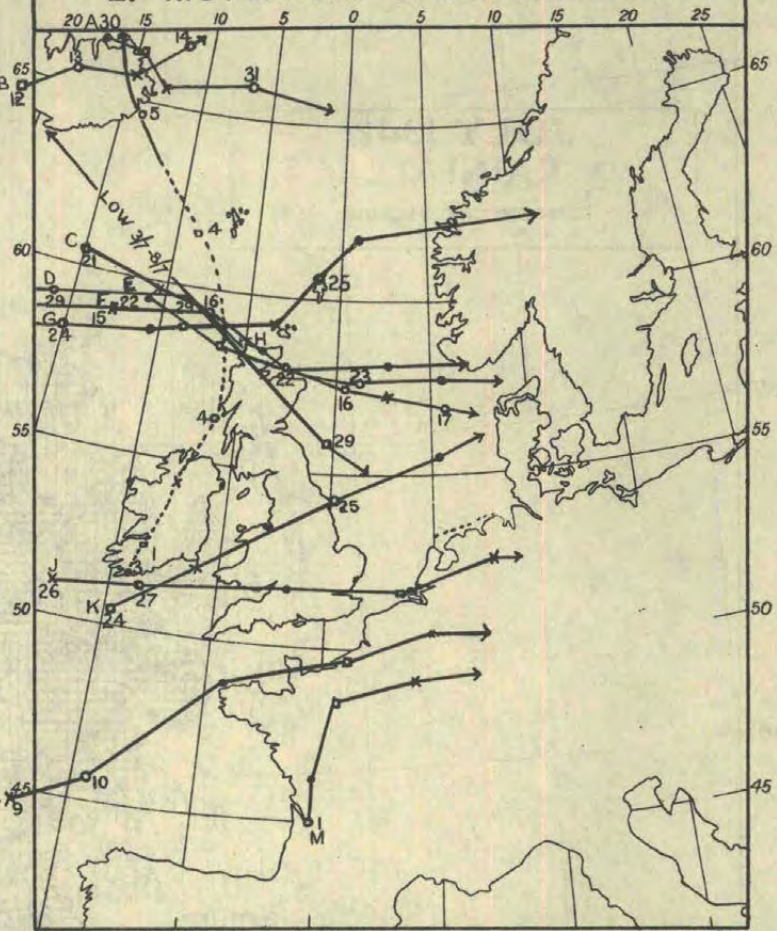
10 0 10 10
LIGHT MODERATE GALE
30 Obs. 1 inch

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: 50

2. MOVEMENTS OF DEPRESSIONS.



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

4 BRIGHT SUNSHINE, HOURS PER DAY

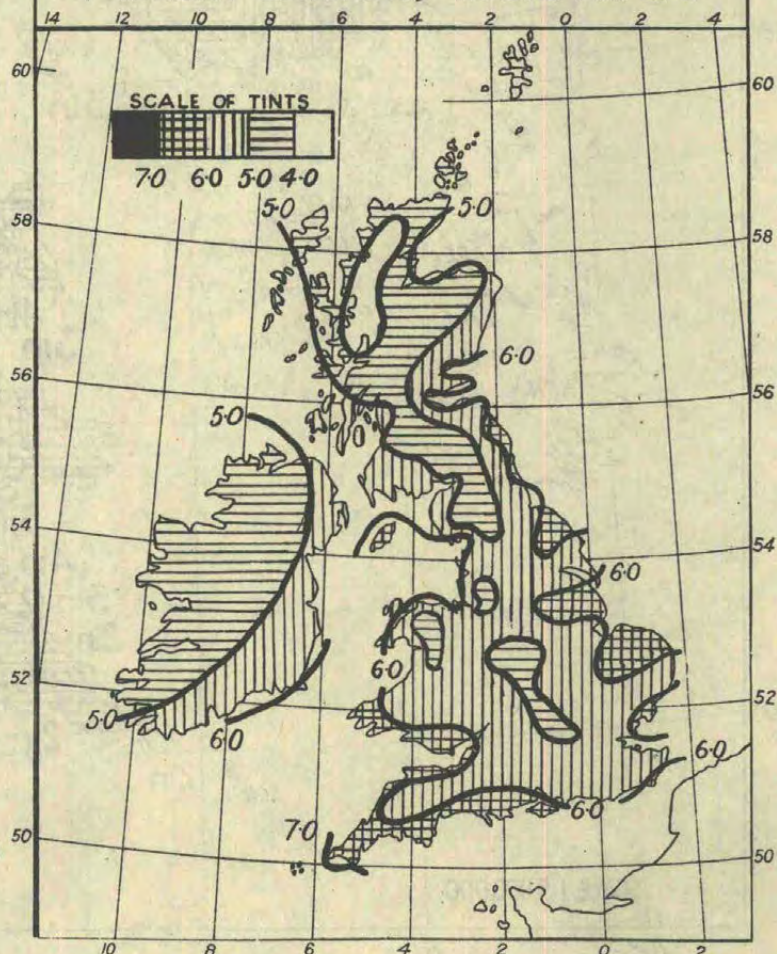


TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

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	Per cent- age of Average	Most in a day			Precip'n	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Percentage								
				A	B			Maximum	Date	Minimum				Date	Amount									Date	Daily Mean	of Average	of Poss- ible					
				Max. Min.	A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	mm	in	%	in	Amount	Date	in (1/16 in) or more	in (1/16 in) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Poss- ible
G.M.T.		ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	Amount	Date	in (1/16 in) or more	in (1/16 in) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	hr	%	%			
0 SCOTLAND, N.																																
SCOTLAND																																
Shetland	Baltasound ..	9 9 9	31	57.5	48.1	52.8	-0.7	62	13	39	24	54.0	-	-	62	2.43	96	.81	9	27	11	0	0	0	1	3	0	0	3.43	83	19	
	Lerwick Obsy. %	9 9 9	269	56.7	48.8	52.7	-0.5	63	8	43	23	-	-	-	68	2.68	117	.49	9	17	11	-	-	1	2	5	-	1	3.36	76	19	
	Sumburgh (Links)	18-7 7	19	56.5	49.6	53.1	-	60	17	45	23	-	-	-	44	1.72	-	.46	24	18	9	0	0	0	1	3	0	1	3.36	76	19	
Orkney	Kirkwall ..	% 9 9 9	113	59.4	49.5	54.5	0.0	64	13	42	24	55.3	-	-	82	3.23	121	.98	9	18	13	0	0	0	0	0	2	0	4.39	100	25	
Hebrides	Skallary ..	101010	30	60.1	51.3	55.7	-	63	30	44	12	-	-	-	106	4.16	-	.52	29	24	17	-	-	-	-	-	-	-	-	-	-	
	Stormoway %	18-7 7	79	59.5	50.6	55.1	-0.6	68	2	44	11,26	-	-	-	121	4.75	165	.81	3	24	22	0	0	0	0	0	-	0	4.20	90	24	
Skye	Duntuiln ..	9 9 9	294	58.5	49.9	54.2	-	70	2	44	12	-	-	-	150	5.90	-	.79	31	25	23	0	0	0	1	4	0	4	4.64	-	27	
Gaithness	Wick ..	18-7 7	115	60.5	48.3	54.4	+0.1	67	4	42	26	-	-	-	98	3.86	147	.75	22	18	13	0	0	1	1	0	0	-	-	-	-	
Sutherland	Cape Wrath ..	18-7 7	367	-	49.3	-	-	-	-	47	18,26,28	-	-	-	142	5.59	-	1.31	31	23	17	0	0	0	2	6	0	0	-	-	-	-
Ross & Cromarty	Achnashellach ..	9 9 9	225	61.5	47.4	54.5	-3.0	71	2	39	27	-	-	-	164	6.45	125	1.34	21	28	24	0	0	0	0	0	-	0	-	-	-	-
	Fortrose ..	9 9 9	69	65.2	50.4	57.8	-0.2	71	19,20,21	45	11	-	-	-	65	2.55	-	.55	9	24	14	0	0	0	0	0	-	0	4.77	92	28	
Inverness	Dalwhinnie ..	18-7 7	1176	60.8	46.3	53.5	-	70	2	37	11	-	-	-	82	3.24	-	.57	5	22	14	0	0	0	1	0	2	0	4.08	-	24	
	Ft. Augustus %	9 9 9	68	64.6	(49.4)	(57.0)	(+0.2)	75	2	41	1,11	-	-	-	57	2.23	80	.30	10,22,21	15	0	0	0	0	0	-	1	3.02	81	188		
	Ft. William ..	9 9 9	34	62.1	50.4	56.3	-1.1	68	2	41	27	-	-	-	141	5.54	113	1.11	3	25	20	0	0	0	0	0	0	0	3.91	100	238	
	Inverness %	9 9 9	242	63.4	50.2	56.8	-0.7	69	2	46	2,11,27	-	-	-	51	2.01	77	.35	22	17	12	0	0	0	0	0	0	0	4.72	100	27	
	Onich ..	9 9 9	48	61.9	49.5	55.7	-	67	2,5	40	27	-	-	-	195	7.69	158	1.36	21	28	21	0	0	0	0	0	2	0	3.36	90	208	
1 SCOTLAND, E.																																
Nairn	Nairn ..	% 9 9 9	20	64.5	50.6	57.5	+0.2	70	5,31	44	27	-	-	-	74	2.93	109	1.22	9	17	12	0	0	0	1	0	0	0	4.89	104	28	
Meray	Forres ..	9 9 9	155	65.6	49.5	57.5	-	73	31	42	27	-	-	-	59	2.33	-	.59	16	17	13	0	0	0	1	0	0	0	5.37	-	31	
	Gordon Castle ..	2121 9	104	64.5	50.2	57.3	-0.2	70	2,5,31	45	27	-	-	-	73	2.89	90	.54	16	19	13	0	0	0	2	-	-	-	4.55	94	268	
Banff	Banff ..	9 9 9	130	63.0	50.9	56.9	-0.2	74	2	46	27	-	-	-	53	2.07	73	.52	16	19	12	0	0	1	1	0	0	0	5.04	102	29	
Aberdeen	Aberdeen %	242424	79	63.1	51.4	57.3	+0.6	71	13,20	44	27	57.0	53.4	44	1.72	61	.32	9	18	10	0	0	0	0	0	0	0	5.06	103	30		
	Balmoral ..	9 9 9	927	63.3	46.9	55.1	0.0	72	31	36	28	-	-	-	44	1.74	68	.31	10	24	15	0	0	0	0	-	1	0	-	-	-	-
	Braemar ..	2121 9	1111	62.4	46.2	54.3	-0.8	71	2	37	12	-	-	-	53	2.09	81	.47	3	21	13	0	0	0	1	0	1	-	4.29	-	258	
	Craibstone ..	9 9 9	300	63.0	47.9	55.5	-1.6	71	13,20	40	11,27	56.4	52.4	59	2.33	79	.50	9	14	11	0	0	0	1	-	0	-	5.22	95	30		
	Tarland ..	9 9 9	540	64.9	47.4	56.1	-	75	2	38	28	-	-	-	67	2.63	-	.44	8	18	11	0	0	1	2	-	-	0	-	-	-	-
Kincardine	Stonehaven ..	9 9 9	12	66.6	47.5	57.1	-	76	20	42	27	-	-	-	69	2.73	-	.74	9	16	13	0	0	0	1	0	-	0	5.31	-	31	
Angus	Arbroath ..	9 9 9	93	64.5	48.6	56.5	-0.9	73	20	43	11,12,26	-	-	-	58	2.28	92	.73	16	14	12	0	0	0	4	0	0	0	5.96	107	35	
	Carnoustie ..	9 9 9	39	65.3	49.4	57.3	-	74	2	44	12,26,27	59.0	55.5	63	2.50	-	.83	9	21	13	0	0	0	1	0	0	-	0	5.57	-	33	
	Dundee ..	% 9 9 9	147	68.2	47.7	57.9	-0.7	77	31	42	26	59.8	-	63	2.48	97	.57	9	21	12	0	0	0	4	-	0	2	5.41	101	32		
	Kettins ..	9 9 9	218	66.3	48.9	57.6	-0.3	73	19	41	12,26	60.8	-	80	3.17	122	1.02	16	17	9	0	0	0	3	0	0	2	-	-	-	-	
	Montrose ..	9 9 9	16	65.0	50.0	57.5	+0.5	(75)	20	41	27	-	-	-	47	1.86	-	.69	9	17	11	0	0	0	3	0	-	0	5.93	111	35	
Perth	Perth ..	9 9 9	76	67.5	50.5	59.0	-0.1	75	2,19	43	12,26,28	-	-	-	51	2.02	70	.48	16	18	9	0	0	0	1	-	-	0	5.99	108	35	
Fife	Cupar ..	9 9 9	210	66.3	50.4	58.3	+0.2	74	19	44	11,26	-	-	-	77	3.05	-	.62	9	20	15	0	0	0	1	-	-	0	-	-	-	-
	Dunfermline ..	9 9 9	237	65.3	49.4	57.3	-	74	2	44	12,26,27	59.0	55.5	63	2.50	-	.83	9	21	13	0	0	0	1	0	0	-	0	5.57	-	33	
	Kirkcaldy ..	9 9 9	137	(65.8)	(48.7)	(57.3)	(-1.8)	73	2,31	43	5	-	-	-	(90)	(3.53)	-	.98	9	19	13	0	0	0	1	-	-	-	5.24	-	31	
	Leuchars ..	18-7 7	36	66.6	51.0	58.8	+0.5	74	12	45	26	-	-	-	67	2.65	102	.81	9	18	13	0	0	0	2	0	0	0	6.63	119	39	
	Lundin Links ..	9 9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	St. Andrews ..	9 9 9	13	65.1	50.1	57.6	-0.5	73	20,31	44	11,27	56.2	54.4	65	2.55	92	.63	9	15	12	0	0	0	0	0	1	0	0	6.05	109	36	
Mid Lothian	Balerno ..	9 9 9	750	62.5	48.7	55.6	-	72	2	40	28	-	-	-	65	2.58	-	.56	16	19	16	0	0	0	0	1	0	0	6.36	-	38	
	Edinburgh—																															
	Blackford H. %	2121 9	441	65.0	51.0	58.0	+0.3	72	31	46	27	-	-	-	81	3.19	113	.92	16	19	17	0	0	0	3	2	0	0	5.65	106	33	
	Botanic Garden ..	9 9 9	74	65.9	50.3	58.1	-	74	31	41	27	-	-	-	86	3.39	-	.99	16	19	13	0	0	0	1	1	0	-	6.07	-	36	
	Univ. King's B. ..	9 9 9	225	66.4	50.8	58.6	-	75	31	41	27	58.7	55.1	83	3.26	-	1.19	16	19	16	-	-	-	-	-	-</						

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Temperature		RAINFALL				WEATHER										BRIGHT SUNSHINE				
				Means of		Difference from Average	Absolute Maximum and Minimum				Total Fall			Per centage of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage									
				A Max.	B Min.		Maximum	Date	Minimum	Date		Amount	Date										-0.1 in (0.2 mm) or more	-0.01 in (1.0 mm) or more	Daily Mean	of Average	of Possible					
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	mm	in	%	in	Amount	Date	-0.1 in (0.2 mm) or more	-0.01 in (1.0 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	°F	mm	in	%	in	Amount	Date	-0.1 in (0.2 mm) or more	-0.01 in (1.0 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	%	%		
6a SCOTLAND, W.																																
Argyll	Ardtornish ..	2121 9	48	64.4	45.1	54.7	-3.0	72	31	38	12,27	-	-	175	6.90	-	1.82	3	25	24	0	0	0	0	-	0	0	-	-	-	-	
	Colonsay ..	9 9 9	87	60.7	50.0	55.3	-	66	2,31	41	27	-	-	133	5.24	-	.64	3	24	23	0	0	0	1	-	-	-	-	-	-	-	
	Dunoon (Benmore) ..	9 9 9	46	64.0	49.3	56.7	-	69	2	39	27	55.4	59.1	196	7.72	-	1.70	3	21	18	0	0	0	0	0	1	0	4.73	-	28S		
	Dunoon ..	9 9 9	132	63.4	48.2	55.8	-1.9	69	2,31	36	27	-	-	192	7.55	-	1.11	21	20	20	0	0	0	0	0	0	-	-	-	-	-	
	Glenbranter ..	9 9 9	120	60.0	50.2	55.1	-	68	3	46	2,27,28	-	-	117	4.59	-	1.18	3	24	18	0	0	0	0	0	0	0	4.82	100	28		
	Oban ..	9 9 9	229	60.0	50.2	55.1	-	68	3	46	2,27,28	-	-	117	4.59	-	1.18	3	24	18	0	0	0	0	0	0	0	0	4.82	100	28	
	Tiree ..	18-7 7	24	59.3	51.7	55.5	-1.2	63	4	44	27	-	-	93	3.68	102	.42	3	23	19	0	0	0	1	1	-	0	6.15	119	36		
Bute	Rothesay ..	2121 9	200	62.5	48.0	55.3	-2.0	67	18,19,31	44	10,27	58.2	53.8	128	5.03	127	.68	23	19	16	0	0	1	0	0	0	0	5.57	111	33		
Dumbarton	Cardross ..	9 9 9	130	64.1	50.3	57.2	-0.5	70	2	44	11,27	-	-	77	3.01	-	.60	24	20	14	0	0	0	0	0	-	0	3.95	83	23S		
	Helensburgh ..	9 9 9	293	64.5	49.6	57.1	-1.4	69	1,2,31	42	11	-	-	91	3.58	97	.66	23	19	16	0	0	0	1	0	-	0	4.73	97	28		
Stirling	Balfour ..	9 9 9	342	64.6	49.6	57.1	-	71	19	40	27	-	-	67	2.62	-	.54	23	19	15	0	0	0	1	0	-	-	-	-	-	-	
	Stirling ..	9 9 9	151	65.9	51.4	58.7	-0.8	74	19	45	27,28	60.7	54.7	(48)	(1.89)	-	(.71)	(23)	(14)	(12)	0	0	0	0	0	0	-	5.13	109	30S		
Renfrew	Greenock ..	9 9 9	199	63.5	52.0	57.7	-0.6	71	2	47	27	-	-	102	4.01	108	.61	10	18	15	0	0	0	0	1	0	0	5.48	-	32		
	Paisley ..	2121 9	106	65.9	52.1	59.0	-0.5	73	1,2	44	27	59.8	54.5	50	1.96	69	.42	23	19	13	0	0	0	1	0	0	0	5.05	101	30		
	Renfrew (Abbotsinch) ..	18-7 7	19	65.0	50.4	57.7	-1.0	75	2	37	27	-	-	55	2.15	77	.46	23	19	15	0	0	0	0	1	0	0	5.28	110	31		
Lanark	Carlisle ..	9 9 9	534	63.9	50.0	56.9	-	74	2	42	27	-	-	60	2.37	-	.54	23	19	12	0	0	0	1	0	0	0	4.94	-	29		
	Dungavel ..	9 9 9	798	61.9	45.3	53.6	-1.9	71	1	40	28	-	-	70	2.77	-	.51	8	19	15	0	0	0	1	2	0	0	-	-	-		
	Glasgow (Springb'n Park) ..	9 9 9	351	66.1	49.8	57.9	-	75	31	42	12,27	-	-	59	2.34	-	.50	23	20	13	0	0	0	1	-	0	-	4.88	-	29		
Ayr	Auchincruive ..	9 9 9	89	64.3	50.3	57.3	-	74	2	43	2,10,11	58.4	54.9	77	3.04	-	.54	23	20	14	0	0	0	0	0	0	0	4.74	-	28		
	Ayr ..	9 9 9	43	62.3	50.5	56.4	-	70	2	45	2,11	-	-	76	3.00	-	.48	23	16	15	0	0	0	0	0	0	0	4.91	-	29		
	Colmonell ..	9 9 9	170	62.9	49.4	56.1	-2.1	71	2,3	37	3	-	-	96	3.78	120	.50	12	16	16	0	0	0	0	0	0	0	-	-	-	-	
	Kilmarnock ..	9 9 9	130	65.3	49.5	57.4	-1.3	75	2	41	27	58.6	55.0	89	3.51	-	.57	23	18	14	0	0	0	0	0	0	1	5.12	101	30S		
	Prestwick ..	9 9 9	17	62.3	52.3	57.3	-	73	2	45	2	-	-	63	2.46	-	.50	10,23	15	14	0	0	0	0	0	0	0	4.91	-	29		
	Troon ..	9 9 9	15	61.6	51.2	56.4	-	68	2,28	44	27	-	-	69	2.70	-	.59	22	18	13	0	0	0	0	0	0	0	5.90	-	35S		
Dumfries	Turnberry ..	9 9 9	30	63.3	51.5	57.4	-1.1	73	2	47	11,12	-	-	63	2.49	102	.52	22,23	14	11	0	0	0	0	1	-	0	5.46	98	33		
	Dumfries ..	9 9 9	140	65.1	50.9	58.0	-0.7	75	2	43	28	57.8	54.4	68	2.69	82	.49	25	17	13	0	0	0	0	0	0	-	5.27	100	32		
Kirkcudbright	Eskdalemuir ..	242424	794	63.0	45.7	54.3	-1.2	73	2	37	28	55.8	50.9	102	4.02	98	.71	24	21	19	0	0	3	1	0	2	0	4.92	103	29		
	Ruthwell ..	18-7 -	67	63.1	46.6	54.9	-1.5	76	2	40	28	-	-	55	2.15	-	.48	23	19	13	0	0	0	0	-	-	0	4.92	102	30S		
Kirkcudbright	Glenlee ..	9 9 9	181	64.8	50.0	57.4	-	73	2	40	28	-	-	88	3.45	-	.83	3	17	15	0	0	0	0	0	0	0	-	-	-	-	
Wigtown	Newton Stewart ..	9 9 9	75	63.1	49.0	56.1	-	71	1	39	4	-	-	131	5.14	-	1.25	27	19	16	0	0	0	0	0	-	0	-	-	-	-	
ISLE OF MAN																																
Isle of Man	Douglas ..	9 9 9	284	62.5	51.9	57.2	-0.5	68	21,31	47	1	-	-	61	2.38	78	.55	15	18	12	0	0	0	0	0	0	0	0	6.73	106	41	
	Point of Ayre ..	18-7 7	30	65.3	52.5	58.9	-	72	21	45	1	-	-	58	2.29	-	.53	15	14	11	0	0	0	0	0	-	0	6.24	-	38		
ENGLAND AND WALES																																
2 ENGLAND, N.E.																																
Northumb- erland	Berwick-on-T. ..	9 9 9	76	64.0	50.4	57.2	-1.1	71	20	45	19,27	-	-	56	2.21	.92	.52	16	15	11	0	0	0	3	0	0	0	6.36	112	39		
	Bellingham ..	9 9 9	849	63.9	46.0	54.9	-1.8	73	2	39	28	-	-	68	2.66	81	.47	10	18	16	0	0	0	3	0	-	-	-	-	-	-	
	Cockle Park ..	2121 9	325	65.0	49.1	57.5	+0.2	72	31	45	1,19,28	57.6	55.4	115	4.52	174	1.28	10	15	13	0	0	2	3	0	0	0	5.93	113	35		
	Newcastle ..	9 9 9	290	65.0	49.1	57.5	+0.2	72	31	45	1,19,28	57.6	55.4	115	4.52	174	1.28	10	15	13	0	0	2	3	0	0	0	5.93	113	35		
	Tynemouth ..	18-7 7	108	64.2	52.6	58.4	-0.9	71	5	48	19	-	-	65	2.57	107	.53	4	16	13	0	0	0	1	1	0	0	6.19	-	37		
Durham	Chopwellwood ..	9 9 9	446	65.5	49.6	57.5	-0.3	75	31	43	8	-	-	79	3.09	117	.75	4	20	10	0	0	1	2	0	0	-	6.02	111	36		
	Durham ..	2121 9	336	66.8	49.7	57.7	-0.6	75	31	43	28	-	-	76	3.00	112	.59	16	17	12	0	0	-	-	0	0	0	5.73	111	35		
	Houghall ..	9 9 9	160	67.2	47.8	57.5	-2.4	76	2	38	28	-	-	77	3.01	-	.58	16	14	11	0	0	0	2	0	1	0	5.49	98	33		
	Ushaw College ..	9 9 9	594	65.5	50.4	57.9	0.0	74	31	45	28	-	-	71	2.79	100	.52	17	15	9	0	0	0	2	0	-	-	-	-	-	-	
Yorks., N. Riding	Ampleforth ..	9 9 9	313	67.4	50.4	58.9	-0.2	74	2,6	46	13,31	-	-	75	2.97	-	.44	22	20	15	0	0	0	3	1	0	-	6.06	-	37		
	Castleton ..	9 9 9	450	65.6	49.1	57.3	-	74	31	42	28,30	58.4	-	114	4.48	-	1.60	17	19	14	0	0	0	2	0	0	-	-	-	-	-	
	Catterick ..	18-7 7	175	66.0	51.5	58.7	-	75	2	43	31	-	-	46	1.80	-	.78	4	16	9	-	-	-	1	1	-	-	5.82	-	35		
	Redcar ..	9 9 9	25	65.3	52.2	58.7	-	76	2	47	31	-	-	83	3.27	-	.60	17	19	12	0	0	0	0	2	-	-	6.04	-	36		
	Scarborough ..	9 9 9	118	66.5	53.6	60.1	+0.4	73	5	51	12,15	-	57.9	64	2.53	104	.58	17	18	14	0	0	0	0	0	0	0	5.73	101	35		
	Whitby ..	9 9 9	148	-	-	-	-	-	-																							

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible								
				A Max.	B Min.		Maximum	Date	Minimum		Date	in												ft	mm	in	%	in	0.1 in (0.2 mm) or more	0.1 in (0.2 mm) or more	Snow	Snow lying	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible
				Max. Min.	Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	0.1 in (0.2 mm) or more	0.1 in (0.2 mm) or more	Snow	Snow lying	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible	
3 ENGLAND, E.																															
Norfolk	Cromer ..	999	178	67.5	53.0	60.3	-0.2	77	4	45	9	-	-	84	3.30	150	1.14	26	12	11	0	0	0	0	0	0	0	5.78	92	35	
	Hunstanton ..	999	105	68.0	53.0	60.5	-2.2	76	5	46	28	-	-	57	2.23	-	.37	26	14	12	0	0	0	0	0	0	-	6.41	93	39	
	Norwich ..	999	110	69.9	52.7	61.3	-0.6	83	5	43	13	60.8	-	70	2.75	-	.64	10	13	10	-	-	-	1	0	0	-	6.25	95	39	
	Sproston ..	999	93	69.4	51.9	60.7	-1.1	81	5	41	13	-	-	86	3.37	-	.66	26	11	10	0	0	0	0	0	0	-	6.42	108	39	
	Terrington ..	999	13	70.8	51.5	61.1	-	81	5	43	13	-	-	76	2.99	-	.85	26	12	11	0	0	0	0	0	0	-	5.86	-	36	
	Thetford ..	999	99	69.8	49.7	59.7	-	81	5	38	28	62.4	58.3	89	3.52	-	1.10	26	14	11	0	0	0	0	0	0	0	-	6.28	-	39
	(Lynford Nursery)																														
Yarmouth ..	18-7 7	5	65.8	54.8	60.3	-1.4	75	3,24	45	28	61.5	56.0	92	3.61	154	.77	17	15	13	0	0	0	0	0	0	0	6.08	90	38		
Suffolk	Bungay (Flix'n) ..	999	79	69.6	52.6	61.1	-1.5	82	5	46	2,13,28	-	-	85	3.34	-	.72	9	11	11	0	0	0	0	1	-	0	-	-	-	
	Felixstowe Aero.	18-7 7	10	69.2	55.9	62.5	0.0	76	21	50	28	-	-	54	2.12	109	.52	10	13	11	0	0	0	0	1	0	0	6.62	92	41	
	Ipswich, Belstead																														
	Hall ..	999	125	69.5	52.7	61.1	-	81	5	45	28	61.3	57.8	56	2.21	-	.48	10	10	9	0	0	0	0	2	0	0	1	5.46	-	34
	Lowestoft ..	999	82	67.7	54.0	60.9	+0.4	76	3,6	46	12,13	62.0	58.9	125	4.89	215	.96	10	16	14	0	0	0	0	0	0	0	5.85	83	36	
Mildenhall ..	18-7 7	15	69.6	52.3	60.9	-	78	5	44	28	-	-	89	3.51	-	.83	10	15	9	0	0	0	0	0	0	0	0	6.53	-	40	
Cambridge	Cambridge ..	2121 9	41	70.0	52.4	61.2	-0.5	79	5	43	28	62.5	58.2	71	2.81	130	.75	26	13	11	0	0	0	0	0	0	0	5.66	91	35	
	(Bot. Gdns.) (Univ. Farm) ..	999	78	69.9	52.9	61.4	-	77	5	45	28	-	-	77	3.04	-	.83	26	15	10	0	0	0	0	0	0	1	5.94	-	37	
Bedford	Dunstable ..	18-7 7	516	67.6	51.6	59.6	-	74	21,24	43	13	59.1	53.6	63	2.50	-	.66	27	16	8	0	0	0	0	0	0	0	5.65	-	35	
	Luton ..	999	381	68.6	53.1	60.9	-0.8	74	1,5,25	41	28	59.8	54.9	61	2.40	-	.56	26	11	8	-	-	-	0	0	0	-	5.76	88	36	
	Woburn ..	999	291	67.8	52.7	60.3	-0.2	75	21	44	30	63.0	56.3	63	2.47	111	.66	26	15	10	0	0	0	0	0	0	0	5.65	97	35	
Hertford	Rothamsted ..	999	420	67.2	52.5	59.9	-0.6	74	21	45	28	55.7	-	53	2.08	92	.57	26	14	8	0	0	0	0	0	0	0	5.00	80	31	
	St. Albans ..	999	272	68.9	51.5	60.2	-1.7	75	21	40	28	62.0	-	51	2.02	95	.52	26	13	9	0	0	0	0	0	0	0	-	-	-	
Essex	Clacton-on-S. ..	999	53	68.0	54.8	61.4	+0.1	75	21	47	28	62.6	59.1	48	1.88	92	.43	10	14	8	0	0	0	0	0	0	0	5.93	86	37	
	Dovercourt ..	999	47	68.8	54.5	61.7	-1.3	77	21	48	12,13	-	-	54	2.11	-	.40	26	14	10	0	0	0	0	0	0	0	6.52	-	40	
	Earls Colne ..	999	160	69.7	52.8	61.3	-1.8	80	5	46	3	62.5	58.9	52	2.06	-	.46	26	11	8	0	0	0	0	0	0	0	-	-	-	
	Halstead ..	999	140	70.3	52.6	61.5	-0.6	80	5	41	28	-	-	50	1.98	-	.48	10	10	8	0	0	0	0	0	0	0	-	-	-	
	Maldon ..	999	14	70.5	53.1	61.8	-	81	5	44	29	-	-	37	1.45	-	.35	26	9	7	0	0	0	0	0	0	0	6.15	-	38	
	Shoeburyness ..	18-7 7	11	70.5	55.3	62.9	-0.2	81	5	48	28	-	-	50	1.98	108	.64	10	14	8	0	0	0	0	0	0	0	6.05	83	38	
	Walton-on-Naze ..	999	35	54.5	-	-	-	-	5	46	28	-	-	46	1.80	-	.45	10	13	9	-	-	-	0	0	0	-	-	-	-	
	Writtle ..	999	105	69.9	51.6	60.7	-	80	5	43	13	-	-	45	1.78	-	.52	26	11	8	0	0	0	0	0	0	-	-	-	-	
	4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan ..	999	90	68.7	48.5	58.6	-	75	2	41	2	-	-	47	1.87	-	.28	15	18	13	0	0	0	0	0	0	0	5.61	-	34	
	Bingley ..	999	610	64.8	50.2	57.5	-	74	2,31	43	19	-	-	49	1.93	-	.43	22	16	11	0	0	0	0	0	0	0	-	-	-	
	Bradford ..	999	439	65.9	51.6	58.7	-0.5	74	2	46	31	58.8	54.3	57	2.23	79	.33	4	15	12	-	-	-	0	0	0	-	5.67	104	34	
	Doncaster ..	999	25																												
	Harrogate ..	999	478	66.2	51.3	58.7	+1.2	74	2	46	31	58.3	56.3	51	2.02	73	.36	26	17	12	0	0	0	0	0	0	0	5.68	103	34	
	Huddersfield ..	2121 9	325	67.7	51.7	59.7	-0.2	78	31	45	19	59.6	55.7	46	1.82	73	.49	22	15	8	0	0	0	0	0	0	0	-	-	-	
	(Oakes) ..	999	761	65.8	49.7	57.7	-2.2	76	31	43	19	57.2	53.2	73	2.86	100	.77	22	19	13	0	0	0	0	0	0	0	-	-	-	
	Ilkley ..	999	315	65.5	50.7	58.1	-2.5	76	2	44	19,31	-	-	71	2.78	-	.50	10	18	11	0	0	0	0	0	0	0	5.19	94	31	
	Meltham ..	999	585	65.5	51.4	58.5	-	73	2	41	19	56.2	-	95	3.74	-	1.19	22	15	14	-	-	-	0	0	0	-	-	-		
	Pontefract ..	999	255	66.4	51.7	59.1	-2.2	75	31	47	2,8,13	-	-	32	1.26	53	.29	26	12	7	-	-	-	1	0	0	-	5.65	-	35	
	Rotherham ..	7 7 7	284	68.4	51.0	59.7	-	77	31	46	13,28,31	59.5	-	40	1.58	-	.33	15	14	9	0	0	0	0	0	0	0	5.82	-	35	
Sheffield ..	999	428	67.5	52.6	60.1	-0.4	77	31	49	2,8,19	59.1	55.4	52	2.06	82	.29	10	14	12	0	0	0	0	0	0	0	5.92	108	36		
Wakefield ..	999	124	70.3	51.0	60.7	-0.1	78	31	45	31	59.8	55.0	39	1.54	61	.32	2	19	8	0	0	0	0	0	0	0	5.63	105	34		
Derby	Belper (School) ..	999	198	67.8	50.2	59.0	-1.9	76	2,31	42	20,13	-	-	61	2.40	90	.76	27	12	11	0	0	0	0	-	-	-	-	-	-	
	Buxton ..	999	1007	62.3	49.9	56.1	-1.0	73	2	43	31	57.0	54.4	151	5.96	126	1.41	22	20	15	0	0	0	0	0	0	0	5.05	96	31.3	
Nottingham	Attenborough ..	999	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Mansfield ..	999	357	68.0	51.4	59.7	-2.0	78	2	45	19	-	-	45	1.75	67	.44	26	13	11	0	0	0	0	1	0	0	-	-	-	
	Nottingham ..	999	192	68.3	52.9	60.6	-0.5	76	2,31	47	12	60.2	57.9	64	2.51	107	.59	26	17	11	-										

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Aver- age	of Poss- ible							
				A Max.	B Min.		Maximum	Date	Minimum			Date	mm												in	%	in	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%	%
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Thunder	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%	%		
4 MID COUNTIES—cont.																															
Stafford	Market Drayton	9 9 9	581	65.9	49.3	57.6	-	74	2	40	28	-	-	89	3.49	-	.44	26	16	13	0	0	0	1	0	0	-	5.27	-	32	
	Mayfield ..	9 9 9	374	66.6	49.6	58.1	-1.0	77	2	39	19	-	-	67	2.66	94	.51	15	17	10	0	0	0	2	-	0	-	5.23	28	32	
Shropshire	Newport ..	9 9 9	211	67.0	48.2	57.6	-	76	2	38	28	-	-	56	2.22	98	.44	24	21	11	0	0	0	1	0	0	-	5.52	-	34	
	Shrewsbury	9 9 9	184	67.9	51.0	59.5	-1.2	76	31	41	28	61.1	58.8	51	2.01	-	.42	26	14	12	0	0	0	0	0	0	5.34	-	33		
Worcester	Droitwich	9 9 9	106	69.3	50.2	59.7	-	78	2	35	12	-	-	29	1.16	-	.33	26	11	9	0	0	0	0	0	-	5.73	-	35		
	Malvern ..	9 9 9	380	68.9	52.8	60.9	-0.6	79	3	49	11,12	62.5	59.0	33	1.31	57	.40	13	9	6	0	0	0	0	0	-	5.89	24	37		
	Prestwood	9 9 9	260	69.3	50.9	60.1	-	78	2	40	12	-	-	45	1.76	-	.46	26	14	11	0	0	0	1	0	0	-	-	-	-	
	Worcester (Perdiswell)	9 9 9	94	70.9	51.6	61.3	-1.0	80	2	38	12	-	-	29	1.13	-	.37	26	12	8	0	0	0	1	-	0	-	5.93	-	37	
Hereford	Bromyard	9 9 9	393	68.4	-	-	-	76	21,31	38	12	61.0	56.9	33	1.29	-	.40	26	10	7	0	0	0	1	-	0	-	-	-	-	
	Hereford	9 9 9	292	69.0	51.3	60.1	-0.6	77	2,21	40	12	-	-	38	1.48	67	.58	26	8	5	-	-	-	0	0	-	-	-	-	-	
	Ross-on-Wye	18-7 7	223	68.5	52.3	60.4	-1.7	78	2	42	12	62.4	58.8	27	1.05	46	.52	26	12	4	0	0	0	0	1	0	0	5.44	86	34	
Gloucester	Cheltenham	2121 9	214	69.4	52.7	61.1	-0.8	78	2	42	12	63.1	61.4	44	1.73	73	.70	26	15	9	0	0	0	1	0	0	0	5.05	85	31	
	Parkend ..	9 9 9	325	67.4	50.4	58.9	-	76	31	36	28	59.5	56.4	61	2.38	-	.74	3,26	9	7	0	0	0	0	0	0	-	5.29	-	33	
	Stonehouse	9 9 9	150	69.7	51.7	60.7	-	79	2	42	12	-	-	46	1.80	-	.82	26	15	8	0	0	0	2	0	0	-	-	-	-	
5 ENGLAND, S.E.																															
London	City, Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Camden Square ..	9 9 9	110	70.7	55.7	63.2	-1.1	78	21	49	28	62.7	58.7	41	1.62	68	.41	26	12	8	0	0	0	0	-	0	-	-	-	-	
	East Ham ..	9 9 9	15	71.0	54.9	62.9	0.0	79	21	48	28	-	-	41	1.61	76	.45	26	12	8	-	-	-	-	-	-	-	-	-	-	
	Enfield ..	9 9 9	87	70.7	53.8	62.3	-	79	21	42	28	-	60.7	44	1.74	77	1.10	26	9	7	0	0	0	0	0	-	5.61	93	35		
	Greenwich	2424 9	149	70.7	54.0	62.3	-0.4	79	5	45	28	59.4	56.6	47	1.87	83	.47	26	14	8	-	-	1	-	-	-	5.32	84	33		
	Hampstead	9 9 9	450	68.1	51.9	60.0	-1.7	74	5	45	19	-	-	46	1.80	-	.46	26	12	8	0	0	0	4	-	0	-	5.09	80	328	
	Kensington	18-9 9	80	70.6	55.3	62.9	-1.8	76	5,30	48	28	62.8	59.0	49	1.91	81	.41	26	16	10	0	0	0	0	0	1	-	-	-	-	
	Kingsway	9 9 9	129	70.2	55.2	62.7	-	78	21	48	28	-	-	45	1.76	-	.35	26	13	9	0	0	0	0	0	-	4.81	-	30		
	Regent's Park	9 9 9	18	68.7	55.2	61.9	-1.1	76	21	48	28	62.8	58.1	44	1.74	81	.58	10	13	7	0	0	0	1	0	0	0	5.14	82	32	
	Kew Observatory	18-7 -	221	69.8	53.6	61.7	-	77	21	47	28	61.6	-	47	1.86	-	.57	26	8	(7)	0	0	(0)	(0)	(0)	(0)	-	5.22	-	32	
	Southgate	9 9 9	221	69.8	53.6	61.7	-	77	21	47	28	61.6	-	47	1.86	-	.57	26	8	(7)	0	0	(0)	(0)	(0)	(0)	-	5.22	-	32	
	Tottenham	2121 9	54	72.1	56.5	64.3	+0.6	79	5	50	28	-	58.9	39	1.53	68	.43	10	12	8	0	0	0	0	-	0	-	5.83	23	36	
	Wealdstone	9 9 9	195	70.2	54.0	62.1	-	79	21	44	28	-	-	47	1.86	87	.54	26	13	9	0	0	0	1	0	0	-	-	-	-	
	Westminster	9 9 9	27	69.6	55.9	62.7	-1.0	78	21	49	28	-	-	42	1.65	75	.39	26	11	9	0	0	0	0	0	-	4.92	81	31		
Surrey	Addington	9 9 9	475	68.1	52.2	60.1	-1.0	75	21	46	11	-	-	53	2.08	-	.49	10	12	8	-	-	-	0	-	-	-	-	-	-	
	Croydon ..	18-7 7	217	69.1	53.5	61.3	-2.0	77	5,21	44	28	-	-	56	2.22	94	.67	10	13	8	0	0	0	2	0	0	0	5.78	81	36	
	Farnham	9 9 9	260	70.0	51.1	60.5	-	79	2	41	28	-	-	47	1.85	-	.52	26	12	9	0	0	0	0	0	-	-	-	-	-	
	Milford ..	9 9 9	180	69.3	49.9	59.6	-	80	2	38	28	-	-	47	1.87	-	.52	26	11	9	0	0	0	0	0	0	-	5.46	-	34	
	Wisley ..	9 9 9	150	70.0	53.1	61.5	-0.7	77	21	43	28	62.4	58.4	39	1.55	82	.46	26	12	6	0	0	0	0	0	0	5.21	81	33		
Kent	Biggin Hill	18-7 7	567	70.3	53.8	62.1	-	78	5,21	44	30	-	-	56	2.20	102	.45	26	13	11	0	0	0	0	0	-	-	-	-	-	
	Bromley ..	9 9 9	213	70.3	53.8	62.1	-	78	5,21	44	30	-	-	56	2.20	102	.45	26	13	11	0	0	0	0	0	-	-	-	-	-	
	Canterbury	9 9 9	135	70.1	53.1	61.6	-1.1	80	5	46	28	62.3	59.2	70	2.74	-	.51	10,13	13	10	-	-	-	-	-	-	-	-	-	-	
	Deal ..	9 9 9	25	69.1	54.1	61.6	-1.7	81	5	46	28	62.2	58.2	71	2.81	-	.54	26	16	13	0	0	0	2	0	0	0	5.94	78	37	
	Dover ..	9 9 9	19	67.7	52.7	60.2	-0.9	79	5	45	28	-	-	69	2.71	128	.69	26	13	10	0	0	0	1	2	0	0	-	-	-	-
	Dungeness	18-7 7	20	66.0	54.2	60.1	-1.5	70	1	47	11	-	-	59	2.32	128	.73	10,26	14	9	0	0	0	1	0	-	-	-	-	-	
	East Malling	9 9 9	132	69.4	51.9	60.7	-1.5	78	5	41	28	-	-	56	2.22	-	.53	26	12	11	0	0	0	1	0	0	0	5.58	79	35	
	Goudhurst	9 9 9	290	68.0	54.4	61.3	-	77	5,21	40	28	-	-	53	2.09	-	.76	26	16	9	0	0	0	0	0	-	-	-	-	-	
	Lympe ..	18-7 7	346	67.1	52.4	59.7	-1.6	77	5	44	12	-	-	63	2.49	116	.62	26	16	11	0	0	0	2	2	-	0	6.03	78	38	
	Manston ..	18-7 7	154	67.8	54.5	61.1	-	80	5	47	28	-	-	67	2.66	-	.49	10	15	12	0	0	0	3	0	0	-	5.88	-	37	
	Ramsgate	9 9 9	80	67.6	56.0	61.8	+0.3	79	5	52	18,26,28	-	-	70	2.75	-	.57	10	13	12	0	0	0	2	0	-	-	5.78	80	36	
	Tunbridge W.	9 9 9	351																												

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

[illegible]

†6, 8 See Notes on Tables in Annual Summary.

† Plant Breeding Station.

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

JULY, 1942

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			Per-centage of Average	Most in a day		Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage					
				A Max.	B Min.		Maximum	Date	Minimum	Date					Amount	Date	-0.1 in (0.2 mm) or more	-0.4 in (1.0 mm) or more							Daily Mean	of Average	of Poss-ible			
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in											hr	%	%	
8a SOUTH WALES—contd.																														
Brecknock	Cantref ..	9 9 9	1080	62.7	49.3	56.0	-	74	31	44	13,25,30	-	-	154	6.06	-	1.22	3	19	19	0	0	0	0	2	-	5.32	-	33	
	Crickhowell ..	9 9 9	230	68.0	50.1	59.1	-	75	2,30,31	41	12	-	-	41	1.62	-	.45	26	11	6	0	0	0	0	0	-	-	-	-	
Glamorgan	Cardiff ..	2121 9	203	67.9	53.2	60.5	-0.3	76	2,31	46	12	61.5	57.1	67	2.64	86	1.07	26	15	11	0	0	0	0	0	0	6.19	91	38	
	Swansea ..	9 9 9	33	67.4	56.0	61.7	-0.5	75	2,31	51	12	64.6	59.7	100	3.93	-	1.20	3	17	13	0	0	0	1	0	0	5.98	94	37	
8b ENGLAND, S.W.																														
Monmouth	Newport ..	9 9 9	265	69.9	53.0	61.5	-1.4	79	20	46	12	63.6	60.9	56	2.22	-	.94	26	13	8	-	-	-	-	0	-	6.25	-	39	
	Usk ..	9 9 9	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Somerset	Bath ..	9 9 9	67	68.4	54.2	61.3	-0.7	79	2	45	28	61.1	57.8	71	2.79	112	1.12	7	14	10	0	0	1	1	0	-	5.67	88	35	
	Bristol (Airport) ..	18-7 7	209	68.1	52.7	60.4	-	79	2	43	12	-	-	64	2.54	-	.80	26	11	8	0	0	0	3	0	0	1	5.80	-	36
	Cannington ..	9 9 9	95	69.7	54.2	61.9	-	77	2,31	46	12,13	-	-	32	1.27	-	.57	26	14	6	0	0	0	1	0	0	6.22	-	39	
	Long Ashton ..	9 9 9	162	68.0	52.0	60.0	-2.3	79	2	43	12	-	-	74	2.91	103	.89	6,26	15	9	0	0	0	3	0	0	6.20	93	38	
	Taunton ..	9 9 9	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Weston-super-Mare	9 9 9	28	68.3	55.3	61.8	-	77	2	47	12	-	-	49	1.94	83	.79	26	13	9	0	0	0	2	0	0	6.73	106	42	
Dorset	Holton Heath ..	9 9 9	64	68.6	53.1	60.9	-0.8	79	21	43	12	65.0	62.3	39	1.52	-	.72	26	10	6	0	0	0	0	0	0	1	6.48	92	41
	Poole ..	9 9 9	18	70.7	52.9	61.8	-	84	21	44	12	-	-	42	1.65	-	.58	26	8	7	0	0	0	0	0	-	6.04	-	38	
	Portland Bill ..	18-7 7	32	61.5	55.6	58.5	-2.2	66	20	52	11	-	-	32	1.28	77	.56	26	7	5	0	0	0	0	0	-	-	-	-	
	Shaftesbury ..	9 9 9	722	66.0	51.3	58.7	-	75	2,21,28	44	8	-	-	27	1.04	-	.32	10	11	5	0	0	0	1	-	-	-	-	-	
	Swanage ..	9 9 9	14	66.2	54.6	60.4	-	76	21	48	12,28	-	58.2	48	1.88	-	.77	26	11	5	0	0	0	0	0	-	6.49	-	41	
	Weymouth ..	9 9 9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Devon	Barnstaple ..	9 9 9	25	66.5	53.0	59.7	-0.7	77	1	44	30	-	-	80	3.15	117	1.19	26	13	9	-	-	-	-	0	0	-	-	-	
	Cullompton ..	9 9 9	202	70.5	52.0	61.3	-0.5	78	20,31	43	12	63.9	-	36	1.43	53	.66	26	14	6	0	0	0	0	0	-	5.90	89	37	
	Dawlish ..	9 9 9	17	67.9	53.4	60.7	-	77	21	47	12,13	-	-	39	1.53	-	.50	26	7	7	-	-	-	-	0	0	-	6.53	-	41
	Exmouth ..	9 9 9	195	66.9	54.0	60.5	-0.8	77	21	49	12	-	-	40	1.58	-	.54	26	9	7	0	0	0	0	0	-	6.40	96	40	
	Hartland Pt. ..	18-7 7	299	61.9	55.3	58.6	-	71	1	51	6	-	-	104	4.09	-	1.04	4	16	10	0	0	0	1	2	0	0	6.31	-	40
	Ilfracombe ..	9 9 9	25	65.1	56.3	60.7	-0.2	73	1	51	30	64.1	61.0	83	3.28	134	.97	26	15	8	0	0	0	1	1	0	-	6.62	98	41
	Killerton ..	9 9 9	159	69.8	45.5	57.7	-3.6	74	1,31	40	1,9,15	-	-	43	1.68	-	.52	26	7	7	-	-	-	-	0	0	-	-	-	
	Newton Abbot ..	9 9 9	375	67.1	52.2	59.7	-2.8	76	21	47	12,13	-	-	50	1.96	86	.65	3	11	7	0	0	0	1	0	0	-	5.66	85	35
	(Seale-Hayne Coll.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Plymouth (Hoe) ..	2121 9	117	66.9	55.9	61.4	+0.3	75	21	50	15	62.0	58.8	38	1.51	55	.40	9	10	5	0	0	0	0	0	0	6.11	90	39	
	Plymouth (Mount Batten)	18-7 7	82	65.8	54.3	60.1	-1.2	74	21	47	15	-	-	36	1.42	-	.46	9	7	4	0	0	0	0	0	0	6.03	89	43	
	Princetown ..	9 9 9	1359	62.1	50.2	56.1	-0.4	71	1	46	12	-	-	165	6.48	121	2.78	3	19	18	0	0	0	0	8	0	-	-	-	-
	Seaton ..	9 9 9	43	66.7	54.2	60.5	-	78	21	46	12	-	-	44	1.72	-	.76	26	8	5	0	0	0	0	0	0	-	-	-	-
	Sidmouth ..	9 9 9	25	68.0	54.0	61.0	+0.3	89	21	49	8,12,28	-	-	38	1.49	-	.75	9	4	4	0	0	0	0	0	0	-	6.75	-	42
	Tavistock ..	9 9 9	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Teignmouth ..	9 9 9	20	68.1	55.1	61.6	-0.5	77	21	49	13	-	-	38	1.51	65	.57	26	10	6	0	0	0	0	0	-	6.43	91	40		
Torquay ..	9 9 9	27	66.9	55.2	61.1	-1.0	77	21	48	12,13	-	-	36	1.41	66	.52	26	10	5	0	0	0	2	0	0	6.23	85	39		
Totnes ..	9 9 9	100	67.6	51.4	59.5	-	76	20	40	13,30	60.5	-	57	2.25	-	.76	26	11	7	0	0	0	1	-	0	-	-	-		
Cornwall	Bude ..	9 9 9	50	64.9	54.1	59.5	-0.6	73	1,31	45	30	-	-	41	1.61	66	.82	26	13	9	0	0	0	1	0	-	6.22	98	39	
	Ellbridge ..	9 9 9	200	66.8	53.4	60.1	-	75	31	46	13	-	-	110	4.32	-	.95	3	11	11	0	0	0	0	0	0	-	6.45	-	41
	Falmouth Obs. ..	9 9 9	167	66.4	55.1	60.7	-0.1	72	21	51	13	63.7	61.3	68	2.66	94	.92	3	14	9	0	0	0	0	0	-	6.45	92	40	
	Fowey ..	9 9 9	51	67.1	54.6	60.9	-0.6	75	(21)	48	13	-	-	48	1.88	-	.46	26	15	6	0	0	0	0	1	-	5.86	87	37	
	Gulval ..	9 9 9	20	66.1	55.1	60.6	-1.0	71	30	50	13	-	-	54	2.11	-	1.08	3	14	6	0	0	0	0	1	0	-	6.81	100	43
	The Lizard ..	18-7 7	240	64.0	54.6	59.3	-	69	30	50	19	-	-	57	2.27	-	.49	4	17	9	0	0	0	0	1	-	7.00	-	44	
	Newquay ..	9 9 9	182	64.8	54.6	59.7	-0.2	72	28,31	46	30	61.3	57.9	35	1.37	59	.43	3	15	8	0	0	0	1	0	-	6.33	95	40	
	Penzance ..	9 9 9	55	66.2	55.6	60.9	-0.6	72	1	51	13	-	-	64	2.51	92	1.15	3	17	7	0	0	0	0	0	-	6.49	95	41	
	Perranporth ..	9 9 9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tintagel ..	9 9 9	260	62.5	55.3	58.9	-	70	28	51	18	-	-	55	2.17	-	.60	3	16	8	0	0	0	1	1	-	5.90	-	37	
NORTHERN IRELAND																														
Londonderry	Castlerock ..	9 9 9	-	62.5	52.5	57.5	-	71	2	47	2,12,28	-	-	90	3.55	-	.71	3	23	18	-	-	-	-	0	0	2	-	-	-
	Garvagh .. (Moneydig)	7 7 7	121	64.0	50.1	57.1	-	70	2	40	12	-	-	130	5.13	158	1.31	3	24	18	0	0	1	2	0	1	-	-	-	-
Antrim	Aldergrove ..	18-7 7	268	64.3	50.0	57.1	-1.1	71	2,31	39	12	-	-	118	4.65	166	1.24	3	22	15	0	0	1	1	0	0	0	4.76	97	29
	Donaghadee ..	8 8 8	30	-																										

TABLE IV—Summary of Observations at fixed hours

JULY, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																					
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION													
											0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.						
																0	1	2	3																		4	5	6	7	8	9
0 SCOTLAND, N.																																										
Shetlands	Sumburgh (Links) ..	1	23	1010·2	-	51·4	1·2	11·8	91	7·6	0	5	3	14	9	0	0	1	0	1	1	3	6	18	1	0	2	11	18	0	4	2	0	4	2	7	7	5				
		7	23	1009·9	-2·3	52·4	1·4	12·1	90	8·9	0	1	1	17	12	0	1	2	0	0	1	3	4	11	9	0	2	9	20	0	3	2	2	5	5	7	2	5				
		13	23	1010·3	-	54·5	2·2	12·3	85	7·7	0	3	5	13	10	0	0	2	1	0	0	2	2	14	7	1	1	18	11	0	2	2	2	4	2	8	5	6				
		18	23	1010·2	-	53·8	1·9	12·3	87	7·8	0	4	4	15	8	0	1	0	0	1	1	4	5	8	11	0	2	12	17	0	3	1	2	7	3	6	4	5				
Hebrides	Stornoway ..	1	83	1010·7	-	52·0	0·6	12·7	96	8·4	0	3	3	12	13	0	0	0	0	0	3	20	8	0	0	1	8	12	10	2	1	0	1	5	7	4	2	5				
		7	83	1010·5	-1·9	53·4	1·0	13·0	93	8·6	0	2	3	13	13	0	0	0	0	0	5	4	22	0	0	0	5	20	6	2	1	0	4	4	7	5	2					
		13	83	1010·6	-	57·1	2·5	13·5	85	9·0	0	0	2	16	13	0	0	0	0	0	5	2	23	3	0	2	14	15	0	2	2	0	4	7	6	3	7					
		18	83	1010·3	-	56·5	2·1	13·5	87	8·6	0	2	2	16	11	0	0	0	0	0	1	6	22	2	0	3	14	12	2	1	3	2	1	4	7	7	4					
Caithness	Wick ..	1	117	1010·6	-	51·2	1·1	11·8	92	7·7	0	6	2	13	10	0	0	0	0	0	1	7	2	15	6	0	0	7	19	5	5	1	2	2	6	3	4	3				
		7	117	1010·6	-1·9	53·5	1·6	12·5	89	7·6	0	3	6	14	8	0	0	0	0	0	1	2	14	14	0	0	6	19	6	4	1	0	5	3	2	4	6					
		13	117	1010·8	-	57·3	3·0	13·1	82	8·3	0	1	3	20	7	0	0	0	0	1	0	2	8	20	0	2	5	23	1	3	2	2	8	4	2	4	5					
		18	117	1010·6	-	55·8	2·4	12·9	85	8·2	0	0	7	14	10	0	0	0	1	1	0	3	1	8	17	0	1	7	19	4	2	1	2	8	2	2	1	9				
Inverness	Dalwhinnie †	7	1180	969·6	-	51·5	2·3	10·9	84	8·0	0	2	6	11	12	0	0	0	0	0	1	11	19	0	0	0	1	29	1	5	1	0	1	5	14	3	1					
		13	1180	969·6	-	58·0	5·0	11·5	70	8·7	0	0	4	18	9	0	0	0	0	0	3	4	24	0	0	0	1	29	1	3	2	0	1	4	12	6	2					
		18	1180	969·4	-	56·2	4·4	11·2	72	8·1	0	2	4	18	7	0	0	0	0	0	1	7	23	0	0	0	0	30	1	3	1	0	0	5	9	8	4					
		9	250	1011·3	-	57·7	3·1	13·1	81	4·9	0	4	23	4	0	0	0	0	0	0	0	0	4	27	0	0	0	6	25	0	0	3	3	5	7	10	3	0				
17	250	1010·5	-	59·9	3·9	13·5	77	5·1	0	5	21	5	0	0	0	0	0	0	0	0	9	22	0	0	0	5	26	0	0	5	5	2	1	9	5	4						
1 SCOTLAND, E.																																										
Aberdeen	Aberdeen H	7	85	1011·3	-1·9	55·3	3·1	12·3	81	6·8	1	6	4	15	5	0	0	0	0	1	0	5	7	17	1	0	0	4	27	0	5	1	2	0	4	6	5	8				
		13	85	1011·3	-	60·6	5·3	12·7	70	7·2	1	3	5	16	6	0	0	0	0	1	0	4	8	12	0	0	1	8	22	0	5	2	1	2	12	5	2	2				
		18	85	1011·0	-	59·2	4·4	12·8	75	7·1	0	7	3	18	3	0	0	0	0	0	6	9	14	2	0	0	10	19	2	6	1	2	3	8	4	2	3					
		21	85	1011·3	-	56·0	2·8	12·7	83	6·3	0	7	9	10	5	0	0	0	0	0	0	5	10	15	1	0	0	2	27	2	5	2	0	0	9	5	1	6				
		h.*	85	1011·2	-2·0	57·0	3·6	12·5	79																																	
Fife	Leuchars.. H	9	1108	1011·2	-1·9	55·8	4·4	11·0	72	7·9	1	2	5	7	16	0	0	0	0	0	7	19	3	2	0	0	0	4	25	2	2	2	0	0	12	6	7					
		7	36	1011·4	-1·9	55·5	1·9	13·4	91	6·8	0	6	4	17	4	0	0	0	0	0	1	5	4	15	6	0	0	4	25	2	4	0	0	1	1	10	10	3				
		13	36	1011·2	-	63·7	4·5	15·2	75	7·7	1	1	6	19	4	0	0	0	0	0	3	4	16	8	0	0	7	22	2	2	1	2	6	1	9	8	1					
		18	36	1010·9	-	61·1	3·2	15·1	83	7·6	0	3	5	18	5	0	0	0	0	0	3	5	17	6	0	1	10	17	3	2	2	2	3	3	8	5	3					
Mid Lothian	Edinburgh (Blackford Hill)	9	441																																							
		21	441																																							
6a SCOTLAND, W.																																										
Argyll	Tiree ..	7	27	1011·7	-1·3	54·8	1·5	13·2	90	7·1	0	4	9	10	8	0	1	0	0	2	1	2	6	18	1	0	0	11	17	3	6	1	0	2	3	7	6	3				
		13	27	1012·1	-	57·9	3·0	13·3	82	6·7	0	6	9	12	4	0	0	0	0	1	1	2	9	13	5	0	1	10	20	0	7	0	0	1	4	7	6	6				
		18	27	1012·0	-	56·5	2·5	13·1	85	6·9	0	6	6	15	4	0	0	0	0	1	0	3	7	17	3	0	0	11	18	2	7	0	0	2	6	5	7					
Bute	Rothesay ..	9	187	1013·2	-0·6	57·1	2·6	13·3	84	7·3	0	5	4	13	9	0	0	0	0	0	1	6	5	19	0	0	0	3	28	0	2	1	1	2	5	2	7	11				
		21	187	1013·0	-	54·3	1·9	12·5	87	6·5	0	7	5	16	3	0	0	0	0	0	0	3	6	22	0	0	2	4	25	0	2	0	0	0	5	0	9	15				
Renfrew	Renfrew .. (Abbotsinch)	7	24	1012·4	-1·4	55·6	2·4	12·8	84	7·8	1	3	1	20	6	0	0	0	1	1	2	5	2	18	2	0	0	1	24	6	1	0	1	2	2	5	11	3				
		13	24	1012·2	-	63·1	5·9	13·3	68	8·7	0	1	1	21	8	0	0	0	0	0	4	2	12	13	0	1	13	17	0	2	0	0	0	4	7	11	7					
		18	24	1011·9	-	61·5	5·3	13·1	71	7·6	0	2	6	18	5	0	0	0	0	0	2	2	3	13	11	0	0	10	21	0	2	0	0	0	4	7	10	8				
Dumfries	Eskdalemuir †H	7	778	1012·7	-1·5	53·2	2·4	11·7	85	7·5	0	5	3	16	7	0	0	0	0	0	2	5	4	20	0	0	0	9	16	6	3	2	1	1	6	8	2	2				
		13	778	1012·3	-	60·5	5·5	12·4	69	8·3	0	1	4	19	7	0	0	0	0	0	0	2	1	28	0	0	1	14	16	0	3	2	0	0	6	12	6	2				
		18	778	1012·1	-	58·8	4·7	12·3	73	7·2	0	0	14	11	6	0	0	0	0	0	5	3	23	0	0	1	11	18	1	2	0	1	0	1	12	9	5					
		21	778	1012·9	-	53·0	2·3	11·7	85	6·9	0	8	4	9	10	0	0	0	0	1	1	4	5	20	0	0	1	5	29	5	4	0	0	0	5	6	7	4				
		h.*	778	1012·6	-1·6	54·7	3·1	11·7	81																																	
6b ISLE OF MAN																																										
Isle of Man	Douglas .. H	9	286	1014·4	-0·4	57·1	3·0	12·9	81	6·0	0	4	11	16	0	0	0	0	0	0	17	2	4	1	0	8	15	7	1	2	0	0	5	0	7	8	8					
		7	31	1013·6	-	56·7	1·8	13·9	87	7·9	0	5	0	17	9	0	0	0	0	0	3	8	20	0	0	3	15	13	0	6	0	1	0	3	3	13	5					
		13	31	1014·0	-	62·9	4·6	14·6	75	6·2	0	8	8	9	6	0	0	0	0	0	2	3	26	0	0	4	18	9	0	4	1	0	0	3	3	9	11					
18	31	1013·6	-	61·0	4·1	14·0	77	6·5	0	9	3	13	6	0	0	0	0	0	1	5	25	0	0	4	17	10	0	4	0	0	1	3	5	9	9							
2 ENGLAND, N.E.																																										
Northum-berland	Cockle Park ..	9	331	-	-	59·7	3·8	13·6	78	7·4	0	2	9	11	9	0	0	0	0	0	0	4	17	10	0	1	5	24	1	7	0	1	2	2	3	9	6					
		21	331	-	-	54·6	1·9	12·8	87	5·5	2	10	5	10	4	0	0	0	0	0	0	1	7	0	19	4	0	2	3	23	3	3	0	1	1	4	3	9	7			
		1	122	1013·5	-	55·2	2·3	12·7	86	6·1	1	6	8	12	4	0	0	0	0	4	14	13	0	0																		

* Mean of hourly readings.

† Pressure at Station Level.

† Mean pressure at Station Level is 970.8 mb.

Mean pressures at Station Level are 984.5 mb. at 7 h., 984.5 mb. at 13 h., 984.2 mb. at 18 h., and 984.6 mb. at 21 h.

JULY, 1942

* Mean of hourly readings.

JULY, 1942

*Visibility at Hesketh Park (at 9h. and 15h.); wind at Marshside.

TABLE IV (continued)—Summary of Observations at fixed hours

JULY, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY				8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																					0	1	2	3				4	5	6	7														8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
8b ENGLAND, S.W.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

TABLE III (a)—SKY OBSERVATIONS, JULY, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**		
Persistently overcast days	2	Recorder in operation on	GREENWICH	PORTON
" cloudless "	0	Average exposure (hours)	31 nights	30 nights
" foggy "	0	Polaris unobscured	5.35	4.6
		(per cent.)	47	50
		8 Ursæ Minoris (ditto)	46	46

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	
Max. (on 31 st)	Cal./cm. ² /diem.
Mean	.. 509
	.. 184.2

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

Vol. 59. No. 8.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1428 9

AUGUST, 1942.—Dull and mainly unsettled; unusually warm 27th-29th.

The month was distinguished by a general deficiency of sunshine which was particularly marked in the northern half of the country. Rainfall was variable but exceeded the average on the whole and an unusually warm spell occurred from the 27th-29th.

During the opening days of the month a shallow depression, centred westward of Ireland on the 1st, moved slowly east; weather was rather unsettled for the first three days with rain at times, and widespread thunderstorms on the 2nd, but there was not much rain in Scotland. From the 3rd-6th an anticyclone moved south-south-east from Iceland to the Bay of Biscay; cool weather with little or no rain prevailed over the British Isles. On the 6th and 7th a wedge of high pressure moved east over this country while an Atlantic depression approached south-west Iceland and associated troughs moved eastward over the British Isles. There was rain in the north and west on the 6th and more generally on the 7th and 8th; rainfall was heavy in some areas in the west and north on the 7th and 8th. Showery weather, with local thunderstorms in the south-east, prevailed on the 9th but sunshine records were also good. A new, deep depression, centred west of Iceland on the 10th moved east-north-east to the west of Norway by the 12th; unsettled weather persisted, with rain at times, heavy in north-west Scotland on the 11th; local thunderstorms were reported on the 11th. Rain on the 15th was associated with troughs of low pressure crossing the British Isles. On the 17th a small disturbance moved quickly eastward from mid-Atlantic and subsequently remained almost stationary for some days off the Hebrides. Meanwhile a trough of low pressure moved slowly eastward over Ireland and England. Rain fell in the west and north on the 17th and 18th and temperature rose, 80°F. being exceeded locally in the south-east. On the 19th the trough crossed England and was followed by another on the 20th; weather continued somewhat unsettled but with bright periods. Subsequently a further complex disturbance approached from the Atlantic and moved across the British Isles; rainfall was almost general on the 21st and more scattered on the 22nd. Thereafter yet another complex Atlantic disturbance moved in over Ireland and filled up; general rain was again experienced on the 25th and scattered showers, with local thunderstorms in the south-east, on the 26th.

There followed a spell of unusual warmth, with pressure high in a belt from the Baltic to Ireland and low over the Bay of Biscay. Weather was mainly fair, apart from rain at a few places, and temperature rose to 90°F. at numerous stations in England on the 28th. On the 29th the depression over the Bay of Biscay spread north, while an anticyclone centred near the Faeroes moved east-south-east and later east. Temperature fell considerably in the north on the 29th and in the south on the 30th. Thunderstorms were widespread and heavy locally in England, Wales and Ireland on the 29th. During the closing days the depression off our south-west coasts moved northward over Ireland and weather was unsettled generally.

Pressure and Wind.—Pressure slightly exceeded the average locally on the east coast of Britain and was somewhat below the average elsewhere. The deviation at 7h. ranged from -1.7 mb. at Tiree to +1.1 mb. at Lympne. Winds from between south and west predominated; a gale was recorded at Holyhead (Valley) on the 10th and in exposed situations in Scotland on each day from the 15th-18th and on the 20th. Among the highest speeds registered in gusts were 64 m.p.h. at Stornoway on the 16th, 56 m.p.h. at Eskdalemuir and 54 m.p.h. at Edinburgh on the 8th, and at St. Ann's Hd. on the 10th.

Temperature.—Mean temperature exceeded the average except at a few places in Devon and Cornwall. The deviations for the districts ranged from +0.6°F. in Northern Ireland to +1.9°F. in England, N.W. Except on the 1st and around the 18th and 19th there were many cool days during the first three and a half weeks. A spell of unusual warmth occurred between the 27th and 29th. Temperature reached 90°F. at numerous places in England on the

28th and at a few in East Anglia on the 27th and in Scotland temperatures of 80°F. to 82°F. were registered at a few places in the Borders on the 28th. High night minimum temperatures were recorded in England from the 26th onwards and very mild nights also included the 8th, 16th and 19th. Some low night temperatures were registered from the 4th-6th.

The extremes for the month were:—(England and Wales) 93°F. at Sprowston on the 27th, 31°F. at Newport (Salop) on the 5th; (Scotland) 82°F. at Ruthwell on the 28th, 36°F. at Balfron and Glenbranter on the 4th; (Northern Ireland) 75°F. at Armagh on the 27th and 28th, 41°F. at Aldergrove on the 4th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 107 over England and Wales, 113 over Scotland and 134 over Northern Ireland. In Scotland, broadly speaking less than the average rainfall occurred over most of the eastern half of the country and more than the average in the western half; rainfall was heaviest in Argyll and the western Highlands. At Fort William, the total 9.08 in., was the largest for August since 1907. In Northern Ireland the excess was general and percentages of the average at individual stations ranged from 115 at Newtownbutler to 151 at Ballymena. In England and Wales the distribution was very variable, partly owing to local heavy falls in thunderstorms. More than the average occurred over a large, roughly triangular area in the south, the base of which extended over nearly the whole of the south coast, while the height stretched northward from Dorset to Warwickshire; the area included a part of south Wales and the whole of the Cotswolds. Another large area which received more than the average covered much of north-west England and the northern Midlands and there were also other small isolated areas with an excess. On the other hand, over most of a coastal strip of north-east England and over much of a belt extending across Wales to East Anglia less than the average occurred.

Thunderstorms occurred locally at times, mainly on the 1st-3rd, 7th, 9th, 11th, 26th and 29th-30th. They were widespread and severe locally on the 2nd and 29th; in particular, the storm on the 29th was severe with heavy rain.

Among the heavier falls in 24 hours were:—

- 2nd .. 2.73 in. at Whitworth Park, Manchester.
- 10th .. 2.51 in. at Borrowdale (Cumberland).
- 11th .. 3.20 in. at Glenmoidart (Inverness-shire), 3.09 in. at Kinlochourn (Inverness-shire) and 2.75 in. at Loch Duich (Ross and Cromarty).
- 16th .. 2.60 in. at Ardgour (Argyll) and 2.55 in. at Kingairloch (Argyll).
- 17th .. 2.42 in. at Ardgour.
- 18th .. 2.65 in. at Glendessary (Inverness-shire).
- 21st .. 2.47 in. at Kingairloch.
- 29th .. 3.55 in. at Burnham-on-Sea (Somerset), 2.31 in. at Frampton Cotterell (Glos.), 2.30 in. at Crickhowell and at Abergavenny.

Sunshine.—Sunshine was generally deficient, notably so in the northern half of the country. The percentages of the average were only 61 in Scotland and Northern Ireland and 76 in England and Wales. At Stornoway the total 65 hours were the lowest for August in a long record back to 1881; at Eskdalemuir it was the dullest August since 1912 and at Aldergrove the dullest since records were started in 1927. It was only at Bude on the north coast of Cornwall and at St. Mary's, Scilly that the total very slightly exceeded the average.

Fog.—Fog occurred at times, mainly from the 1st-3rd, 7th, 12th (north-east Scotland), 14-15th and 24th-31st.

Miscellaneous Phenomena.—The aurora was observed from Skye on the evening of the 14th and from Perth and Abbotsinch on the 16th. Solar halos were noted at Oxford on 12 days.

MWRdwp

TABLE I—DISTRICT VALUES—

AUGUST, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	73	41	+0.9	—	—	106	0	62	16
Eastern									
1 SCOTLAND, E.	80	37	+1.3	—	—	87	+1	68	20
2 ENGLAND, N.E.	89	40	+1.5	+0.9	-0.3	88	0	69	24
3 ENGLAND, E.	93	36	(+1.7)	+0.1	-1.4	(68)	+1	81	(35)
4 MIDLAND COUNTIES	92	31	+1.7	+0.2	-0.3	118	0	72	26
5 ENGLAND, S.E.	90	36	+0.8	+0.9	+0.1	118	+1	85	38

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	82	36	+1.4	-0.7	-1.5	114	+2	54	15
7 ENGLAND, N.W. (and N. Wales)	88	38	+1.9	+0.8	+0.3	98	0	70	27
8 ENGLAND, S.W. (and S. Wales)	88	34	+1.2	-0.1	-0.4	110	+3	80	31
NORTHERN IRELAND	75	41	+0.6	—	—	123	+1	61	18
MEAN	—	—	—	—	—	—	—	—	—
0, 1, 6	—	—	+1.2	—	—	—	—	61	17
MEAN (2, 3, 4, 5, 7, 8)	—	—	+1.5	—	—	—	—	76	30

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

AUGUST, 1942.

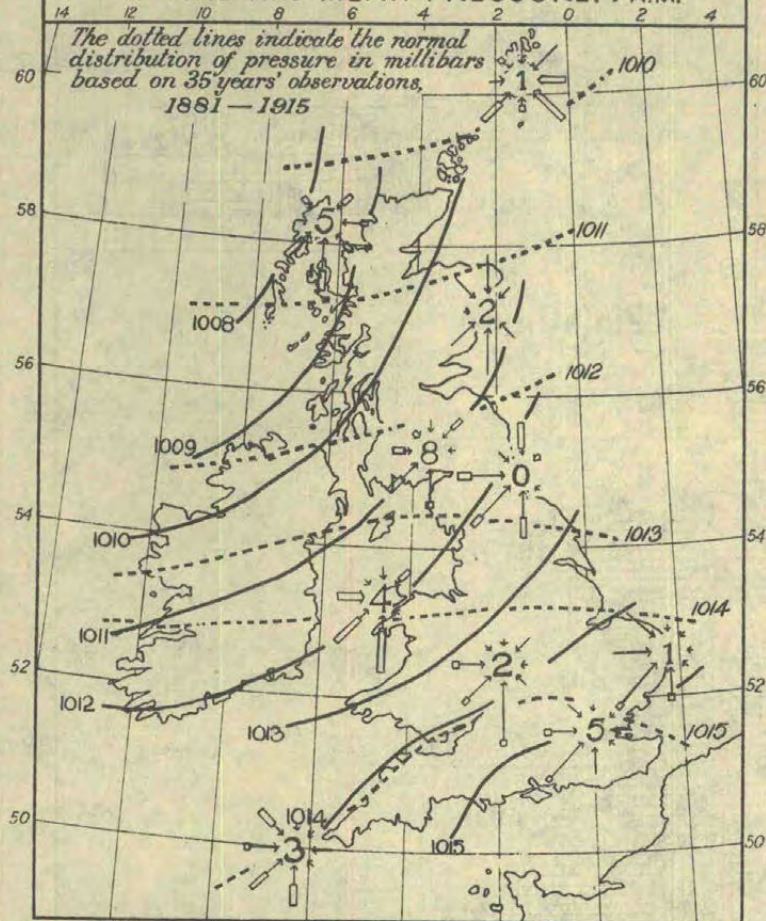
[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time			
												mi/hr	hr	mi/hr	hr	mi/hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.	ft	ft	ft		hr		hr	hr	hr	hr	hr	*	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
Shetland Lerwick	310	53	39	-	0	9	63	378	279	24	0	210	32	15	17 03	49	22	17	03	00
Orkney Kirkwall	170	40	35	-	0	7	18	320	341	65	0	140	28	13	10 13	45	20	10	16	05
Hebrides Stornoway	120	40	36	16	4	8	53	320	238	129	0	180	45	20	16 20	64	29	16	18	20
1 SCOTLAND, E.																				
Aberdeen Aberdeen	120	41	32	-	0	0	0	58	532	154	0	180	23	10	8 13	49	22	17	13	15
Angus Bell Rock Lighthouse	130	—	126	-	0	18	141	350	201	52	0	170	38	17	10 14	49	22	10	13	35
Edinburgh Edinburgh	485	39	23	-	0	8	21	219	331	155	18	160	33	15	21 17	54	24	8	09	50
6a SCOTLAND, W.																				
Argyll Tiree	75	50	42	-	0	9	47	295	321	81	0	170	37	17	20 07	46	21	19	02	15
Renfrew Paisley	188	81	31	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renfrew (Abbotsinch)	65	46	34	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dumfries Eskdalemuir	825	50	35	-	0	5	288	278	269	169	0	200	34	15	8 10	56	25	8	09	20
6b ISLE OF MAN																				
Isle of Man Point of Ayre ..	70	40	35	-	0	12	73	344	189	86	52	270	33	15	17 11	48	21	8	20	35
2 ENGLAND, N.E.																				
Durham South Shields	73	57	44	-	0	1	1	182	349	212	0	270	25	11	11 15	44	20	11	14	10
Durham	389	53	33	-	0	0	0	191	418	315	0	240	24	11	11 13	46	21	11	12	20
Yorks., N.R. Catterick	220	45	33	-	0	0	0	67	481	196	0	160	17	8	10 12	40	18	17	13	55
Yorks., E.R. Spurn Head	64	42	34	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lincoln Cranwell	284	43	33	-	0	0	0	191	421	128	4	230	22	10	11 08	35	16	10	13	45
3 ENGLAND, E.																				
Norfolk Gorleston	52	42	34	-	0	2	11	162	421	131	19	200	30	13	21 15	44	20	21	21	15
Suffolk Mildenhall	98	83	58	-	0	2	3	169	464	108	0	230	26	11	11 12	48	11	21	11	30
Bedford Cardington	285	150	135	-	0	4	13	137	353	223	18	190	28	13	10 15	43	19	21	15	25
Essex Shoeburyness	115	104	89	-	0	2	10	171	421	142	0	190	29	13	10 18	38	17	10	15	05
4 MIDLAND COUNTIES																				
Leicester Leicester	385	60	33	-	0	0	0	58	340	341	5	250	20	9	11 11	36	16	11	09	55
Warwick Birmingham	643	118	73	-	0	0	0	137	509	98	0	170	22	10	21 14	39	17	10	12	30
5 ENGLAND, S.E.																				
London Southgate	222	30	—	-	0	0	0	80	452	212	0	210	20	9	10 15	41	18	21	14	40
Surrey Kew Observatory	92	75	50	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Croydon	313	105	70	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kent Lympne	418	76	48	-	0	0	0	41	305	398	0	210	21	9	10 13	38	17	10	12	45
Manston	199	46	40	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hants Calshot	58	50	42	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wiltshire Boscombe Down	462	45	33	-	0	4	13	178	445	108	0	200	29	13	10 12	46	21	11	15	00
Larkhill	491	51	36	-	0	2	8	165	445	126	0	210	30	13	10 12	49	22	10	11	15
7a ENGLAND, N.W.																				
Lancashire Fleetwood	112	50	31	-	0	3	39	257	364	84	0	280	34	15	11 09	50	22	11	03	40
Manchester (Barton)	153	83	80	-	0	5	20	237	373	96	18	270	30	13	11 14	50	22	21	14	20
Southport	60	42	33	-	0	3	50	184	361	115	32	250	38	17	11 04	50	22	11	05	15
Cheshire Bidston Obs'y.	262	64	39	-	0	2	33	221	354	131	5	270	29	13	11 11	49	22	11	03	35
Manchester (Ringway)	315	80	40	-	0	4	26	314	333	71	0	180	32	14	10 12	49	22	10	11	40
7b NORTH WALES																				
Anglesey Holyhead	68	43	35	-	0	5	13	410	248	73	0	180	28	13	8 06	49	22	8	05	30
Flint Sealand	81	65	42	-	0	0	0	65	496	183	0	220	20	9	10 16	42	19	21	14	30
8a SOUTH WALES																				
Pembroke St. Ann's Head	212	70	—	10	1	10	109	300	277	24	33	250	39	17	10 18	54	24	10	17	15
8b ENGLAND, S.W.																				
Devon Plymouth	185	88	65	-	0	3	23	158	349	142	72	—	34	15	8 16	46	21	8	15	15
Cornwall The Lizard	315	75	60	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pendennis Castle	265	65	42	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHERN IRELAND																				
Antrim Aldergrove	328	60	42	-	0	0	0	155	386	23	0	150	21	9	19 02	44	20	19	00	50
SCILLY ISLES																				
St. Mary's	230	65	57	-	0	4	28	243	413	60	0	210	28	13	10 08	43	19	8	11	00

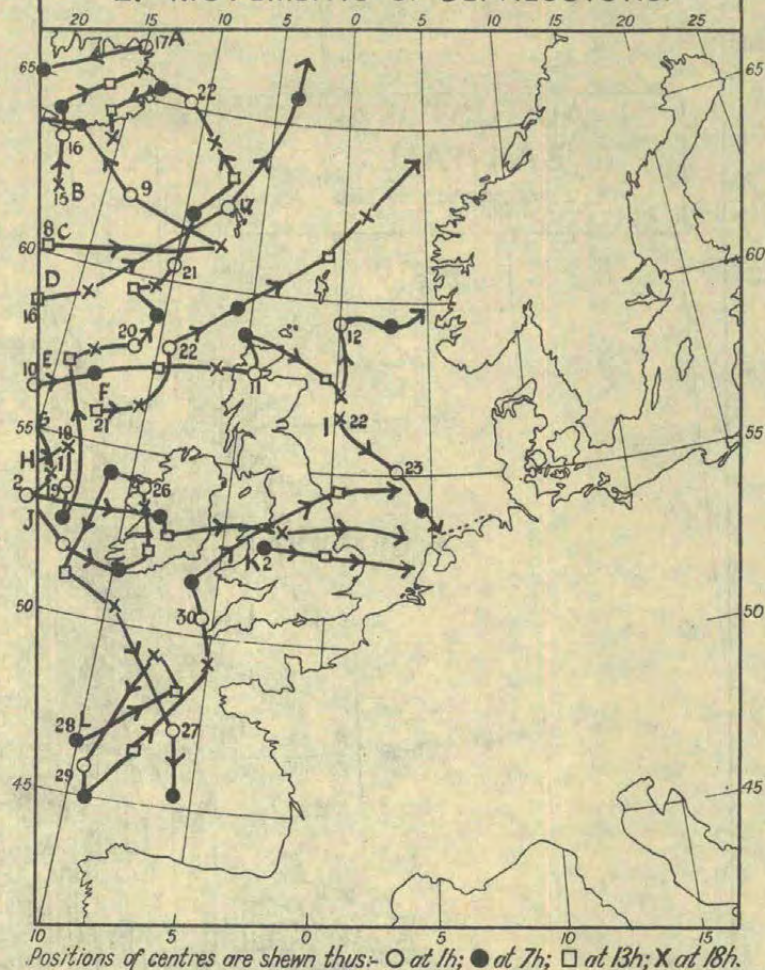
MONTHLY WEATHER CHARTS

AUGUST 1942.

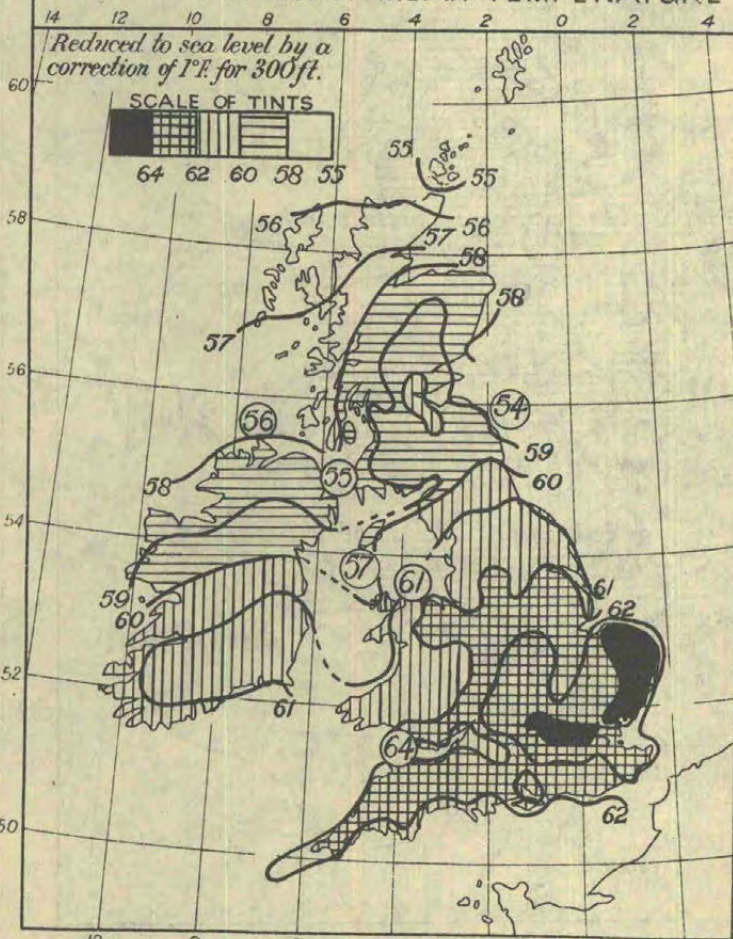
1. WIND AND MEAN PRESSURE. 7 A.M.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY

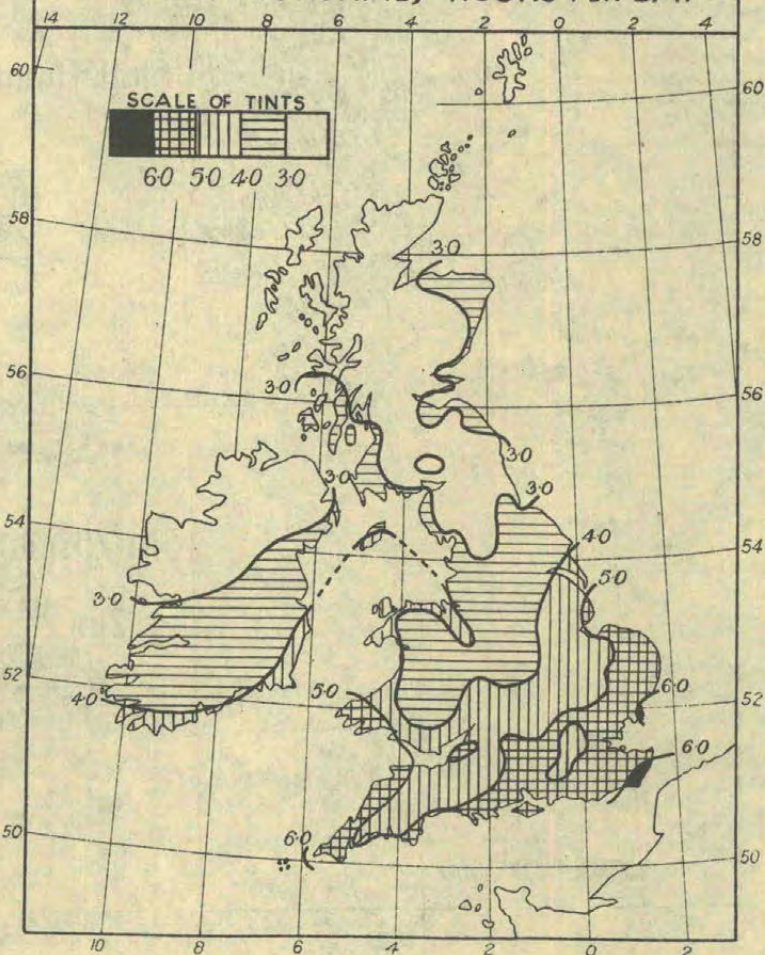


TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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	Per centage of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage									
				A Max.	B Min.		Maximum	Date	Minimum													Date	Daily Mean	of Average	of Possible						
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	0.01 in (0.2 mm) or more	0.04 in (1.0 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%	%	
0 SCOTLAND, N.															SCOTLAND																
Shetland	Baltasound ..	9 9 9	31																												
	Lerwick Obsy. §	9 9 9	269	57.0	50.3	53.7	+0.5	63	27	45	29	-	-	65	2.54	84	.68	15	21.14	-	-	-	6	-	-	2.24	59	14			
	Sumburgh (Links)	18-7 7	19	56.9	51.3	54.1	-	62	19	44	30	-	-	53	2.08	-	.53	15	18.11	0	0	0	2	0	0	2.24	59	14			
Orkney	Kirkwall ..	§ 9 9 9	113	59.6	51.5	55.5	+0.9	70	27	48	5,29,30	55.2	-	61	2.38	80	.61	15	19.10	0	0	0	0	1	1	0	2.45	64	16		
Hebrides	Skallary ..	101010	30	60.4	53.3	56.9	-	64	2	48	24	-	-	111	4.36	-	.57	17	22.19	-	-	-	-	-	-	-	-	-			
	Stornoway §	18-7 7	79	59.3	53.0	56.1	+1.0	66	26	48	4	-	-	101	3.97	105	.90	8	22.16	0	0	0	0	0	1	2.40	58	16			
Skye	Duntuiln ..	9 9 9	294	59.3	52.1	55.7	-	70	26	46	23	-	-	149	5.85	-	.78	10.27	24.21	0	0	0	0	1	0	4	2.15	-	14		
Caithness	Wick ..	18-7 7	115	59.6	50.8	55.2	+1.4	71	27	42	29	-	-	43	1.71	62	.37	8.15	20.9	0	0	0	0	3	0	0	-	-			
Sutherland	Cape Wrath ..	18-7 7	367	-	51.5	-	-	-	-	45	30	-	-	107	4.21	-	.91	1	22.19	0	0	0	0	4	0	0	-	-			
Ross & Cromarty	Achnashellach ..	9 9 9	225	62.5	50.4	56.5	+0.4	73	26	42	23	-	-	202	7.94	119	1.71	17	21.16	0	0	0	0	0	0	-	-	-			
	Fortrose ..	9 9 9	69	63.3	52.5	57.9	+0.8	72	7	47	4,5,15	-	-	80	3.14	-	.79	11	23.13	0	0	0	0	0	0	2.55	58	17			
Inverness	Dalwhinnie ..	18-7 7	1176	61.1	49.4	55.3	-	72	1	43	4	-	-	106	4.17	-	.87	10	21.16	0	0	0	1	0	0	2.25	-	15			
	Ft. Augustus §	9 9 9	68	63.1	52.7	57.9	+1.6	72	26,27	(45)	4	-	-	123	4.84	139	.79	17	18.15	0	0	0	0	0	0	2.17	63	14S			
	Ft. William ..	9 9 9	34	63.4	52.6	58.0	+1.0	70	1	41	4	58.5	55.3	231	9.08	146	1.69	17	19.17	0	0	0	0	0	0	2.27	64	15S			
	Inverness §	9 9 9	242	62.7	52.5	57.6	+0.5	72	27	47	5	-	-	80	3.15	124	.69	11	19.17	0	0	0	0	0	0	2.76	66	18			
	Onich ..	9 9 9	48	63.1	52.8	57.9	-	69	1,26	42	4	-	-	246	9.68	153	1.58	16	20.17	0	0	0	0	0	0	2.31	70	15S			
1 SCOTLAND, E.																															
Nairn	Nairn ..	§ 9 9 9	20	63.0	53.0	58.0	+0.9	73	7,27	46	24	-	-	78	3.07	127	.89	11	19.14	0	0	0	0	0	0	2.68	65	18			
Moray	Forres ..	9 9 9	155	64.6	51.5	58.1	-	76	27	45	24	-	-	82	3.23	-	1.22	11	20.16	0	0	0	0	2	0	3.13	-	21			
	Gordon Castle ..	2121 9	104	64.7	51.9	58.3	+1.6	77	26	40	24	-	-	56	2.19	69	.47	11	14.12	0	0	0	0	-	-	3.16	74	21S			
Banff	Banff ..	9 9 9	130	63.9	52.9	58.4	+1.7	74	27	43	24	-	-	49	1.95	72	.33	11	16.12	0	0	0	1	0	0	3.62	83	24			
Aberdeen	Aberdeen §	242424	79	62.8	53.6	58.2	+2.0	74	27	43	24	57.8	54.9	65	2.57	94	.51	11	15.13	0	0	0	1	2	0	3.26	72	22			
		18-7 -	-	63.3	52.4	57.9	+1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Balmoral ..	9 9 9	927	62.7	48.5	55.6	+1.5	73	7,27,28	37	6	-	-	60	2.35	78	.36	10	19.14	0	0	0	0	1	0	-	-	-			
	Braemar ..	2121 9	1111	62.3	48.2	55.3	+1.6	74	7	37	5	-	-	69	2.71	79	.57	10	22.18	0	0	0	0	0	1	2.70	-	18S			
	Craigstone ..	9 9 9	300	62.5	50.8	56.7	+0.8	74	27	40	24	57.1	53.9	77	3.03	102	.69	11	17.14	0	0	0	1	1	-	3.32	67	22			
	Tarland ..	9 9 9	540	64.1	49.7	56.9	-	77	28	42	24	-	-	56	2.22	-	.50	10	19.13	0	0	0	0	-	0	-	-	-			
Kincardine	Stonehaven ..	9 9 9	12	66.5	50.5	58.5	-	78	28	41	24	-	-	69	2.72	-	.49	11	18.15	0	0	0	1	1	-	3.58	-	24			
Angus	Arbroath ..	9 9 9	93	64.0	52.1	58.1	+1.2	73	28	46	15,24	-	-	66	2.59	89	.60	25	18.14	0	0	0	1	1	0	2.95	55	20			
	Carnoustie ..	9 9 9	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Dundee ..	§ 9 9 9	147	66.4	50.7	58.5	+0.9	78	1,7	45	22,24	59.9	-	54	2.14	65	.31	7	19.12	0	0	0	0	0	0	3.07	65	20			
	Kettins ..	9 9 9	218	64.9	52.2	58.5	+1.8	75	1	46	5	60.4	-	101	4.00	110	1.12	10	21.17	0	0	0	0	0	1	-	-	-			
	Montrose ..	9 9 9	16	(63.5)	52.4	(57.9)	+0.8	75	28	41	24	-	-	77	3.04	-	.88	11	16.14	0	0	0	0	1	-	2.98	62	20			
Perth	Perth ..	9 9 9	76	66.2	53.1	59.7	+2.0	77	1	47	28	-	-	75	2.94	87	.84	10	22.15	0	0	0	0	-	0	2.88	61	19			
Fife	Cupar ..	9 9 9	210	64.5	53.1	58.8	+1.6	75	28	48	5	-	-	57	2.24	-	.44	7	21.15	0	0	0	0	-	0	-	-	-			
	Dunfermline ..	9 9 9	237	64.9	53.1	59.0	-	75	1	47	5	59.8	56.8	57	2.25	-	.36	7	19.15	0	0	0	0	0	0	2.97	-	20			
	Kirkcaldy ..	9 9 9	137	66.6	51.3	58.9	+0.8	(76)	1	42	4	-	-	60	2.37	-	.62	7	18.12	0	0	0	0	-	-	3.06	-	20			
	Leuchars ..	18-7 7	36	65.0	53.6	59.3	+2.4	77	28	49	5,24	-	-	35	1.39	45	.24	25	18.10	0	0	0	0	2	0	3.17	64	21			
	Lundin Links ..	9 9 9	40	64.5	52.7	58.6	-	76	28	(45)	4	-	-	52	2.03	-	-	16.13	0	0	0	0	3	0	0	2.61	-	17			
	St. Andrews ..	9 9 9	13	65.1	52.1	58.6	+0.9	74	27,28	44	4	56.0	54.9	57	2.23	71	.30	7	17.16	0	0	0	0	3	0	3.04	63	20			
Mid Lothian	Balerno ..	9 9 9	750	63.5	52.0	57.7	-	72	1,28	45	4,5	-	-	79	3.10	-	.62	10	19.13	0	0	0	0	0	0	3.28	-	22			
	Edinburgh—																														
	Blackford H. §	2121 9	441	64.2	52.9	58.5	+1.4	75	28	47	4,5	-	-	56	2.21	69	.30	30	17.15	0	0	0	0	2	0	3.20	70	21			
	Botanic Garden	9 9 9	74	65.7	53.6	59.7	-	76	27	47	5	-	-	54	2.12	-	.50	10	20.13	0	0	0	0	1	-	3.71	-	25			
	Univ. King's B.	9 9 9	225	65.5	52.8	59.1	-	77	28	48	5	58.7	55.9	62	2.45	-	.32	30	16.15	-	-	-	-	-	-	-	-	-			
	Boghall ..	9 9 9	639	63.6	51.6	57.6	+1.1	75	28	45	5	56.6	54.4	67	2.65	-	.36	30	19.16	0	0	0	0	0	0	2.28	50	15			
	Liberton ..	9 9 9	190	65.8	52.3	59.1	-	76	28	47	24	-	-	65	2.54	-	.36	26	16.15	0	0	0	0	-	-	-	-	-			
Roslin ..	9 9 9																														

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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						Total Fall	Per cent- age of Average	Most in a day	Precip'n in (0.01 in.) or more	Snow lying	Snow fall	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage						
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date													Daily Mean	of Average	of Poss- ible				
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%				
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	64.3	49.1	56.7	-0.2	76	1,2	40	5	-	-	254	10.00	-	1.09	18	24	24	0	0	0	0	-	0	0	-	-	-
	Colonsay ..	9 9 9	87	62.7	51.9	57.3	-	69	1,27	45	3,4	-	-	159	6.26	-	.91	16	19	19	0	0	0	0	-	-	-	-	-	-
	Dunoon (Benmore) ..	9 9 9	46	64.5	52.2	58.3	-	74	28	40	4	59.1	56.7	250	9.86	-	1.13	21	22	22	0	0	0	0	0	0	2.28	-	158	
	Dunoon ..	9 9 9	132	62.4	52.5	57.5	-	72	28	42	4	-	-	214	8.44	-	1.10	21	22	21	0	0	0	0	1	0	-	2.38	-	16
	Glenbranter ..	9 9 9	120	63.7	51.3	57.5	+0.6	72	1	36	4	-	-	253	9.95	-	1.49	16	22	19	0	0	0	0	0	0	-	-	-	-
	Oban ..	9 9 9	229	62.4	52.7	57.5	-	72	3	47	4	-	-	167	6.58	-	1.02	16	22	20	0	0	0	1	0	0	2.87	71	19	
	Tiree ..	18-7 7	24	60.4	54.4	57.4	+0.7	66	1,26	50	4	-	-	126	4.94	118	.52	21	21	18	0	0	0	0	1	-	0	2.46	50	16
Bute	Rothsay	2121 9	200	61.8	50.8	56.3	-0.6	70	28	43	4	58.2	55.0	153	6.04	124	.77	7	22	20	0	0	0	0	0	0	0	2.63	60	18
Dumbarton	Cardross ..	9 9 9	130	63.1	51.9	57.5	+0.4	72	1	38	5	-	-	119	4.67	-	.77	25	24	20	0	0	0	1	0	-	0	2.35	60	168
	Helensburgh ..	9 9 9	293	63.5	52.2	57.9	+0.4	73	1,27,28	41	4	-	-	148	5.83	113	.66	7	20	19	0	0	0	1	0	-	0	2.37	52	16
Stirling	Balfour ..	9 9 9	342	63.4	52.0	57.7	-	73	1	36	4	-	-	112	4.42	-	.82	7	21	18	0	0	0	0	1	-	-	-	-	-
	Stirling ..	9 9 9	151	65.7	53.9	59.8	+1.7	74	27,28,29	46	4	60.1	56.2	104	4.08	-	1.33	7	18	16	0	0	0	0	0	0	-	2.13	51	14
Renfrew	Greenock ..	9 9 9	199	63.5	53.9	58.7	+1.2	72	28	45	4	-	-	147	5.78	112	.90	16	21	18	0	0	0	1	4	0	0	2.88	-	19
	Paisley ..	2121 9	106	64.9	54.2	59.5	+1.0	77	28	45	4	59.9	55.8	116	4.58	117	1.07	7	21	20	0	0	0	0	0	0	0	2.71	61	18
	Renfrew (Abbotsinch) ..	18-7 7	19	65.3	53.6	59.5	+2.4	76	1	42	4	-	-	112	4.40	122	.83	7	23	22	0	0	0	0	3	0	0	2.74	66	18
Lanark	Carlisle ..	9 9 9	534	63.2	52.6	57.9	-	74	1	43	4,5	-	-	74	2.90	-	.73	25	20	14	0	0	0	0	0	0	0	2.54	-	17
	Dungavel ..	9 9 9	798	61.0	48.5	54.7	+0.2	71	28	39	4,5	-	-	68	2.69	-	.37	7	19	16	0	0	0	0	1	0	0	-	-	-
	Glasgow (Springb'n Park) ..	9 9 9	351	64.2	52.2	58.2	-	77	28	41	4	-	-	114	4.50	-	1.11	7	24	20	0	0	0	0	-	0	-	2.37	-	16
Ayr	Auchincruive ..	9 9 9	89	64.9	52.5	58.7	-	74	1	40	5	58.9	56.3	112	4.39	-	1.19	7	21	17	0	0	0	0	0	2	0	2.91	-	19
	Ayr ..	9 9 9	43	64.3	53.1	58.7	-	71	1	48	5	-	-	102	4.00	-	1.09	7	20	20	0	0	0	0	0	0	0	2.98	-	20
	Colmonell ..	9 9 9	170	63.7	52.0	57.9	+0.4	71	1	45	4,27	-	-	116	4.55	114	.86	7	20	17	0	0	0	0	2	0	0	-	-	-
	Kilmarnock ..	9 9 9	130	65.2	52.6	58.9	+1.0	75	1,28	37	5	59.5	56.6	145	5.69	-	1.68	7	20	18	0	0	0	1	0	0	1	3.00	69	208
	Prestwick ..	9 9 9	17	63.1	53.8	58.5	-	71	1	44	4	-	-	89	3.49	-	1.12	7	17	16	0	0	0	0	0	0	0	2.98	-	20
	Troon ..	9 9 9	15	62.3	54.2	58.3	-	71	1	47	4	-	-	119	4.68	-	1.69	8	21	14	0	0	0	0	0	0	0	3.42	-	23
	Turnberry ..	9 9 9	30	63.9	54.0	58.9	+0.9	70	1,27	50	4,5	-	-	91	3.57	112	.95	7	19	18	0	0	0	0	0	-	0	3.27	70	22
Dumfries	Dumfries ..	9 9 9	140	64.3	53.6	58.9	+1.2	80	28	42	5	58.7	55.7	113	4.44	110	.86	7	21	17	0	0	0	1	1	0	-	2.29	51	15
	Eskdalemuir ..	242424	794	61.5	50.4	55.9	+1.4	77	28	41	5	56.1	52.3	137	5.40	105	.85	8	20	16	0	0	0	0	4	0	0	1.88	48	13
	Ruthwell ..	2121 9	67	64.9	52.4	58.7	+0.6	82	28	41	5	-	-	86	3.39	-	.65	7	18	16	0	0	0	1	-	-	0	2.36	57	168
Kirkcudbright	Glenlee ..	9 9 9	181	64.5	52.5	58.5	-	74	27	37	5	-	-	175	6.88	-	1.05	7	20	17	0	0	0	2	0	0	0	-	-	-
Wigtown	Newton Stewart	9 9 9	75	62.4	52.7	57.5	-	76	28	42	5	-	-	128	5.05	-	.88	7	20	16	0	0	0	1	0	-	0	-	-	-
ISLE OF MAN																														
Isle of Man	Douglas ..	9 9 9	284	63.4	54.2	58.8	+1.0	76	28	49	4,5	-	-	130	5.12	134	1.50	24	19	16	0	0	0	1	2	0	0	4.62	83	31
	Point of Ayre ..	18-7 7	30	65.4	55.2	60.3	-	72	7	48	27	-	-	91	3.56	-	.69	24	20	14	0	0	0	0	0	-	0	3.77	-	25
ENGLAND AND WALES																														
2 ENGLAND, N.E.																														
Northum-berland	Berwick-on-T. ..	9 9 9	76	63.2	53.8	58.5	+1.0	70	14,19	49	5	-	-	44	1.72	70	.45	30	16	11	0	0	0	2	1	0	0	3.18	62	21
	Bellingham ..	9 9 9	849	63.3	50.3	56.8	+1.0	79	28	43	6	-	-	68	2.69	76	.43	7	19	13	0	0	0	1	0	-	-	-	-	-
	Cockle Park ..	2121 9	325	65.3	52.5	58.9	+2.1	75	27	46	5	58.2	56.1	63	2.50	79	.57	30	17	10	0	0	0	1	1	0	0	2.71	55	18
	Newcastle ..	9 9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tynemouth ..	18-7 7	108	64.1	55.2	59.7	+1.2	73	19	49	4	-	-	58	2.28	83	.44	25	17	10	0	0	0	3	2	-	0	2.91	-	20
Durham	Chopwellwood ..	9 9 9	446	66.0	53.0	59.5	+2.4	82	28	47	4,5,6	-	-	68	2.66	92	.51	25	20	12	0	0	0	1	0	0	-	2.93	62	20
	Durham ..	2121 9	336	67.2	52.0	59.6	+1.9	84	28	46	5,14	-	-	51	2.02	81	.34	30	18	13	0	0	0	-	0	0	0	3.08	65	21
	Houghall ..	9 9 9	160	67.6	52.0	59.8	+1.0	85	28	42	20	-	-	47	1.85	-	.32	30	15	11	0	0	0	0	0	0	0	3.23	65	22
	Ushaw College ..	9 9 9	594	65.3	53.9	59.6	+2.0	84	28	47	4	-	-	53	2.08	71	.43	30	13	10	0	0	0	1	5	-	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	68.1	53.2	60.7	+2.2	84	28	43	14	-	-	68	2.66	-	.60	26	18	14	0	0	0	1	1	0	-	3.71	-	25
	Castleton ..	9 9 9	450	67.0	51.7	59.3	-	86	28	40	14,23	59.1	-	49	1.93	-	.48	26	15	13	0	0	0	2	2	0	-	-	-	-
	Catterick ..	18-7 7	175	66.7	54.2	60.5	-	83	28	48	5,14	-	-	70	2.75	-	.81	30	15	9	0	0	0	0	6	0	0	3.12	-	21
	Redcar ..	9 9 9	25	67.4	54.5	60.9	-	81	28	48	5,9,23	-	-	49	1.94	-	.45	26	17	12	0	0	0	-	4	-	-	2.93	-	20
	Scarborough	9 9 9	118	66.8	55.3	61.1	+0.8	74	19	49	5	-	58.9	49	1.91	69	.74	25	18	12	0	0	0	2	2	0	0	3.88	74	27
	Whitby ..	9 9 9	148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	York ..	9 9 9	57	68.5	54.8	61.7	+1.4	84	28	47	14	59.5	55.9	74	2.90	115	1.16	26	14	11	0	0	0	1	-	-	0	3.60	74	24
Yorks., E. Riding	Bridlington ..	2121 9	76	67.7	52.5	60.1	+1.2	78	27	44	6,14	-	-	30	1.17	-	.29	25	13	8	0	0	0	3	1	-				

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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			Per centage of Average	Most in a day	Precip'n	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage						
				A Max.	B Min.		Maximum	Date	Minimum	Date														Daily Mean	Of Average	Of Possible				
Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in												hr	%	%	
3 ENGLAND, E.																														
Norfolk	Cromer ..	9 9 9	178	72.8	55.6	64.2	+3.2	92	28	49	6	-	-	22	.86	36	.28	23	11	5	0	0	0	1	1	0	0	5.15	86	35
	Hunstanton ..	9 9 9	105	72.3	55.8	64.1	+2.0	89	28	47	1	-	-	41	1.61	-	.55	30	9	7	0	0	0	2	0	-	-	5.10	82	35
	Norwich ..	9 9 9	110	73.3	54.7	64.0	+2.5	91	27,28	43	6	61.7	-	22	.87	-	.31	8	11	7	0	0	0	2	-	0	-	5.15	86	35
	Sprowston ..	9 9 9	93	72.9	55.3	64.1	+2.6	93	27	45	1	-	-	29	1.16	-	.35	8	10	9	0	0	0	0	-	0	-	5.33	84	36
	Terrington ..	9 9 9	13	71.9	53.6	62.7	-	89	1,29	43	6	-	-	63	2.46	-	.56	9	10	5	0	0	0	4	2	0	-	4.99	-	34
	Thetford ..	9 9 9	99	72.9	50.5	61.7	-	90	28	36	6,17,18	62.5	59.5	39	1.52	-	.62	25	11	9	0	0	0	0	0	0	-	4.94	-	34
	(Lynford Nursery)																													
Yarmouth	18-7 7	5	68.0	57.2	62.6	+1.1	74	29	47	6	63.5	57.8	27	1.07	43	.32	8	12	10	0	0	0	1	3	0	0	5.55	87	38	
Suffolk	Bungay (Flix'n) ..	9 9 9	79	72.6	55.1	63.9	+2.2	90	27,29	46	6,18	-	-	37	1.44	-	.43	31	6	6	0	0	0	1	0	0	-	-	-	-
	Felixstowe Aero.	18-7 7	10	71.4	58.5	64.9	+2.6	81	29	48	5	-	-	33	1.31	75	.29	2	16	10	0	0	0	1	0	0	0	6.20	92	42
	Ipswich, Belstead																													
	Hall ..	9 9 9	125	73.0	54.3	63.7	-	88	29	45	18	61.4	59.1	32	1.25	-	.44	15	13	9	0	0	0	2	0	0	0	(5.55)	-	(37)
	Lowestoft ..	9 9 9	82	70.0	56.1	63.1	+1.8	81	28	45	6	62.7	60.1	32	1.26	87	.36	15	8	7	0	0	0	1	0	0	0	5.32	80	46
	Mildenhall ..	18-7 7	15	72.6	54.2	63.4	-	90	28	43	5	-	-	29	1.15	-	.41	25	14	6	0	0	0	2	1	0	0	5.14	-	35
Cambridge	Cambridge	2121 9	41	72.3	54.0	63.1	+1.8	89	28	42	6	63.0	59.5	34	1.33	57	.22	25	13	10	0	0	0	1	-	0	0	4.56	76	31
	(Bot. Gdns.) (Univ. Farm) ..	9 9 9	78	72.3	54.2	63.3	-	90	28	44	5	-	-	28	1.11	-	.38	25	16	7	0	0	0	2	2	0	0	4.44	-	31
Bedford	Dunstable ..	18-7 7	516	69.9	53.6	61.7	-	86	28	44	5	60.6	54.8	57	2.24	-	.43	11	14	11	0	0	0	2	3	0	0	5.10	-	35
	Luton ..	9 9 9	381	70.8	54.2	62.5	+2.0	86	28	43	5,18	60.7	56.5	88	3.48	-	1.87	25	16	13	-	-	-	0	0	-	-	4.98	83	34
	Woburn ..	9 9 9	291	70.3	53.2	61.7	+1.4	87	28	41	5,7	63.0	56.5	35	1.37	59	.28	22	16	12	0	0	0	1	1	0	-	4.67	82	32
Hertford	Rothamsted	9 9 9	420	69.3	53.8	61.5	+1.4	85	28	43	5	61.0	-	56	2.20	88	.84	25	19	9	0	0	0	0	0	0	0	4.75	80	35
	St. Albans ..	9 9 9	272	70.6	53.3	61.9	+1.0	87	28	41	5	62.6	-	47	1.86	81	.44	25	16	10	0	0	0	0	0	0	-	-	-	-
Essex	Clacton-on-S.	9 9 9	53	(69.4)	(57.1)	(63.3)	+1.3	(76)	29	46	5	(63.6)	(60.4)	(63)	(2.48)	(125)	1.35	3	13	(9)	0	0	0	4	0	0	-	5.56	84	38
	Dovercourt ..	9 9 9	47	70.9	56.4	63.7	+0.8	83	29	47	5	-	-	32	1.27	-	.29	2,15	13	10	0	0	0	0	0	0	-	5.81	-	40
	Earls Colne ..	9 9 9	160	72.7	54.3	63.5	-1.0	87	28	44	18	62.7	59.5	57	2.24	-	.85	25	10	8	0	0	0	1	-	0	-	-	-	-
	Halstead ..	9 9 9	140	73.2	53.4	63.3	+1.6	88	28	43	5,18	-	-	54	2.12	-	.75	25	10	9	0	0	0	0	-	-	-	-	-	-
	Maldon ..	9 9 9	14	73.6	55.1	64.3	-	85	29	47	5	-	-	46	1.80	-	.71	25	17	8	0	0	0	2	0	-	-	5.27	-	36
	Shoeburyness ..	18-7 7	11	71.5	56.3	63.9	+1.4	80	29	45	5	-	-	58	2.27	128	.67	2	17	11	0	0	0	6	1	0	0	5.31	78	37
	Walton-on-Naze	9 9 9	35	70.3	56.2	63.3	+1.0	77	28	45	5	-	-	21	.81	-	.20	2	13	5	-	-	-	0	0	-	-	6.05	94	41
	Writtle ..	9 9 9	105	72.6	53.3	62.9	-	87	28	43	6	-	-	55	2.17	-	.57	25	18	10	0	0	0	2	-	0	-	-	-	-
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	69.2	52.1	60.7	-	84	28	44	14	-	-	90	3.54	-	1.49	26	14	11	0	0	0	1	0	0	-	3.04	-	21
	Bingley ..	9 9 9	610	66.0	53.4	59.7	-	81	28	47	4,14	-	-	78	3.08	-	.66	25	16	11	0	0	0	0	0	0	-	-	-	-
	Bradford ..	9 9 9	439	66.3	54.9	60.6	+2.1	82	28	48	4,14	59.1	56.1	90	3.54	115	.75	25	17	11	-	-	-	3	0	-	-	3.44	71	23
	Doncaster ..	9 9 9	25																											
	Harrogate	9 9 9	478	66.5	53.6	60.1	+2.1	83	28	48	14	58.3	56.8	61	2.39	81	.49	25	12	11	0	0	0	1	1	0	0	3.13	62	21
	Huddersfield	2121 9	325	68.5	53.5	61.0	+1.9	82	27,28	45	14	60.0	57.0	96	3.78	144	1.89	2	16	9	0	0	0	-	5	0	0	3.31	72	22
	(Oakes)	9 9 9	761	66.0	53.0	59.5	+0.6	80	28	46	4	59.7	54.7	111	4.39	147	1.69	2	16	13	0	0	0	2	3	0	0	-	-	-
	Ilkley ..	9 9 9	315	65.6	53.5	59.5	+0.5	85	28	47	14	-	-	74	2.90	-	.64	25	16	11	0	0	0	0	2	0	-	3.42	67	23
	Meltham ..	9 9 9	585	66.6	54.6	60.6	-	82	27,28	48	4	57.9	-	137	5.39	-	1.58	2	19	17	-	-	-	-	-	0	-	-	-	-
	Pontefract ..	9 9 9	255	67.1	53.9	60.5	+0.3	82	28	47	14	-	-	79	3.10	130	.95	2	14	10	-	-	-	2	0	-	-	3.52	-	24
	Rotherham ..	7 7 7	284	68.3	53.3	60.8	-	84	28	45	14	59.5	-	100	3.93	-	1.16	30	15	12	0	0	0	3	4	0	-	3.35	-	23
	Sheffield ..	9 9 9	428	67.8	55.3	61.5	+1.6	85	28	49	4	59.6	56.5	85	3.34	130	.87	2	16	14	0	0	0	2	-	0	0	3.34	65	23
Wakefield ..	9 9 9	124	69.7	54.2	61.9	+1.7	84	28	44	14	59.9	56.1	65	2.56	98	.91	2	15	9	0	0	0	4	1	0	-	3.27	69	22	
Derby	Belper (School) ..	9 9 9	198																											
	Buxton ..	9 9 9	1007	64.0	52.7	58.3	+1.4	82	28	45	4	58.0	55.2	103	4.07	93	.80	2	19	15	0	0	0	1	1	0	0	3.18	67	22S
Nottingham	Attenborough ..	9 9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mansfield ..	9 9 9	357	67.8	54.5	61.1	+0.5	88	28	48	4,17	-																		

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Calc	Daily Mean	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				A Max.	B Min.		Max.	Date	Minimum	Date														Amount	Date	in (0.2mm or more)	in (1.0mm or more)	Snow	Thunder	Fog	Frost	Calc	Daily	of Average	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Mean g Obs.)	Ground Frost	Gale	Daily Mean	Of Average	Of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				A Max.	B Min.		Maximum	Date	Minimum			Date	in												ft	mm	in	%	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

AUGUST, 1942

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	Per cent of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage											
				A Max.	B Min.			Maximum	Date	Minimum	Date														Amount	Date	in (0.2mm or more)	in (0.1mm or more)	Snow	Thunder	Fog	Frost	Gale	Daily	Average	Possible
		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in												hr	%	%						
8a SOUTH WALES—contd.																																				
Brecknock	Cantref ..	9 9 9	1080	64.0	51.0	57.5	-	81	28	40	5	-	-	184	7.23	-	1.00	29	23	20	0	0	0	2	1	-	-	3.58	-	25						
	Crickhowell ..	9 9 9	230	68.8	52.4	60.6	-	85	28	40	5	-	-	129	5.08	-	2.30	29	23	15	0	0	0	2	0	-	-	-	-	-						
Glamorgan	Cardiff ..	2121 9	203	68.5	55.2	61.9	+1.6	84	28	46	6	61.2	58.0	123	4.86	115	1.08	29	20	16	0	0	0	2	1	0	0	4.29	72	30						
	Swansea ..	9 9 9	33	68.8	57.7	63.3	+1.2	87	28	49	6	65.3	60.5	104	4.09	-	.68	29	18	18	0	0	0	1	0	0	-	4.23	77	29						
8b ENGLAND, S.W.																																				
Monmouth	Newport ..	9 9 9	265	69.6	55.2	62.4	+1.3	87	28	45	6	63.7	61.8	135	5.32	-	1.00	29	22	14	-	-	-	2	-	-	-	4.56	-	31						
	Usk ..	9 9 9	70																																	
Somerset	Bath ..	9 9 9	67	69.8	54.4	62.1	+0.4	87	28	42	6	63.1	59.5	108	4.26	145	1.74	29	18	17	0	0	0	3	0	-	0	4.71	81	32						
	Bristol (Airport) ..	18-7 7	209	68.9	54.2	61.5	-	87	28	43	6	-	-	104	4.12	-	.82	10	20	15	0	0	0	3	0	0	0	4.99	-	34						
	Cannington ..	9 9 9	95	70.3	54.7	62.5	-	87	28	43	6	-	-	101	3.99	-	1.32	29	23	17	0	0	0	3	0	0	0	5.14	-	35						
	Long Ashton ..	9 9 9	162	69.2	53.3	61.3	+0.4	87	28	41	6	-	-	120	4.71	134	1.30	30	22	16	0	0	1	5	0	0	0	5.08	86	35						
	Taunton ..	9 9 9	230																																	
	Weston-super-Mare	9 9 9	28	69.5	56.2	62.9	-	88	28	46	6	-	-	91	3.60	108	1.02	29	21	16	0	0	0	3	0	0	-	4.92	85	34						
Dorset	Holton Heath ..	9 9 9	64	68.3	53.4	60.9	+0.4	81	28	43	6,17	64.6	62.8	109	4.29	-	.83	25	18	12	0	0	0	4	1	0	1	5.27	84	36						
	Poole ..	9 9 9	18	70.6	54.5	62.5	-	85	28	43	17	-	-	76	2.98	-	.75	25	16	12	0	0	0	0	0	-	-	-	-							
	Portland Bill ..	18-7 7	32	62.8	56.9	59.9	-1.4	70	28	52	4	-	-	93	3.66	188	1.04	29	15	12	0	0	0	1	0	-	-	-	-							
	Shaftesbury ..	9 9 9	722	66.5	52.8	59.7	-	82	28	44	6	-	-	104	4.09	-	.93	25	25	19	0	0	0	8	-	-	-	-	-							
	Swanage ..	9 9 9	14	67.2	55.5	61.3	-	78	28	46	18	-	59.1	84	3.29	-	.74	25	15	11	0	0	0	3	0	0	-	5.57	-	38						
	Weymouth ..	9 9 9	16																																	
Devon	Barnstaple ..	9 9 9	25	68.4	53.8	61.1	+0.9	86	28	41	5	-	-	95	3.73	113	.70	8	18	18	-	-	-	0	1	-	-	-	-							
	Cullompton ..	9 9 9	202	70.7	52.7	61.7	+0.6	86	28	42	17	62.1	-	98	3.87	127	.75	29	23	20	0	0	0	1	2	0	-	4.20	71	29						
	Dawlish ..	9 9 9	17	68.1	53.1	60.6	-	78	28	45	17	-	-	105	4.12	-	.91	2	20	17	-	-	-	0	0	-	-	4.73	-	33						
	Exmouth ..	9 9 9	195	67.0	54.8	60.9	-0.2	80	28	48	5,6,17	-	-	79	3.11	-	.52	29	19	18	0	0	0	5	0	-	0	5.16	87	36						
	Hartland Pt. ..	18-7 7	299	64.6	57.6	61.1	-	79	28	50	18	-	-	75	2.95	-	.36	8	21	18	0	0	0	0	0	0	0	5.20	-	36						
	Ilfracombe ..	9 9 9	25	67.5	58.0	62.7	+1.2	80	28	52	24	65.0	62.4	83	3.27	95	.54	8	22	18	0	0	0	2	0	0	-	5.38	94	37						
	Killerton ..	9 9 9	159	71.0	49.7	60.3	-0.2	79	29	42	22	-	-	95	3.73	-	.66	29	25	25	-	-	-	0	0	-	-	-	-							
	Newton Abbot ..	9 9 9	375	68.3	53.1	60.7	-0.8	80	28	45	17	-	-	99	3.89	151	.80	3	23	17	0	0	0	2	0	0	-	4.47	73	31						
	(Seale-Hayne Coll.)																																			
	Plymouth (Hoe)	2121 9	117	67.5	56.6	62.1	+1.1	82	28	48	5,17	61.1	59.2	81	3.21	104	.56	21	22	17	0	0	0	3	2	0	0	4.93	80	34						
	Plymouth ..	18-7 7	82	67.3	55.3	61.3	+0.8	80	28	46	17	-	-	77	3.01	-	.68	21	20	17	0	0	0	0	1	0	0	5.00	85	35						
	(Mount Batten)																																			
	Princetown ..	9 9 9	1359	63.8	51.5	57.7	+0.8	74	28	45	5	-	-	236	9.28	136	1.45	2	23	22	0	0	0	4	10	0	-	-	-	-						
	Seaton ..	9 9 9	43	67.3	54.8	61.1	-	83	28	45	17	-	-	88	3.45	-	.54	29	21	17	0	0	0	1	3	1	0	-	-	-						
Sidmouth ..	9 9 9	25	67.0	54.7	60.9	+0.4	81	28	46	5,17	-	-	89	3.50	-	.70	29	16	16	0	0	0	0	0	0	-	4.92	-	34							
Tavistock ..	9 9 9	457																																		
Teignmouth ..	9 9 9	20	67.7	55.3	61.5	-0.8	75	28	48	17,18	-	-	89	3.49	154	.61	25	20	16	0	0	0	1	4	0	-	5.01	79	35							
Torquay ..	9 9 9	27	67.6	55.8	61.7	-0.5	77	28	47	17	-	61.7	80	3.16	128	.46	29	21	15	0	0	0	3	0	0	0	4.99	75	35							
Totnes ..	9 9 9	100	68.6	53.2	60.9	-	79	28	41	5,19	61.0	-	111	4.38	-	.64	2	23	18	0	0	0	3	1	0	-	-	-	-							
Cornwall	Bude ..	9 9 9	50	67.1	53.9	60.5	-0.2	85	28	42	5	-	-	81	3.17	112	.69	8	20	18	0	0	0	1	0	-	-	5.95	102	41						
	Ellbridge ..	9 9 9	200	67.7	53.9	60.8	-	82	28	41	24	-	-	151	5.93	-	.85	4	22	20	0	0	0	0	1	0	-	4.75	-	33						
	Falmouth Obs. ..	9 9 9	167	68.1	55.8	61.9	+0.8	79	28	48	5	64.1	62.1	92	3.64	112	.76	2	20	17	0	0	0	1	1	0	-	5.12	81	36						
	Fowey ..	9 9 9	51	68.2	54.7	61.5	+0.2	83	28	45	17	-	-	65	2.56	-	.42	15	22	17	0	0	0	0	2	-	-	4.73	80	33						
	Gulval ..	9 9 9	20	68.1	55.7	61.9	+0.9	81	28	50	18	-	-	66	2.61	-	.30	24	19	16	0	0	0	0	0	-	-	5.74	91	40						
	The Lizard ..	18-7 7	240	65.6	56.3	60.9	-	74	28	49	5	-	-	69	2.71	-	.47	15	19	16	0	0	0	1	2	-	0	6.22	-	43						
	Newquay ..	9 9 9	182	67.8	55.5	61.7	+1.3	84	28	49	24	62.0	59.1	43	1.69	65	.26	8	17	13	0	0	0	1	1	-	0	5.75	93	40						
	Penzance ..	9 9 9	55	67.8	56.4	62.1	+0.1	81	28	51	24	-	-	70	2.76	87	.32	24																		

WEATHER AT FIXED HOURS

TABLE IV (continued)—Summary of Observations at fixed hours

AUGUST, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
											0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Med. Vis.	Good Vis.	8 or more	7	6	5	4	3	2	1	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
																						0	1	2	3																						4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

TABLE IV (continued)—Summary of Observations at fixed hours

AUGUST, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	7	6	5	4	3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
																					0	1	2	3																				4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
7 ENGLAND, S.E.—cont.	O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

TABLE IV (continued)—Summary of Observations at fixed hours

AUGUST, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
										0	1 to 3	4 to 6	7 to 9	10	Fog				Mist	Poor Vis.	Mod. Vis.	Good Visibility			8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
															0	1	2	3				4	5	6														7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
8b ENGLAND, S.W.—cont.	G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

M.O. 461

COPY FOR OFFICIAL USE

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

Price 1s. 0d. net, Post-free 1s. 1d.

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

Vol. 59. No. 9.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

SEPTEMBER, 1942.—Mainly unsettled; very wet in Scotland and Ireland.

The unsettled weather experienced during August persisted, apart from temporary breaks, throughout September. Rainfall was excessive, particularly in Scotland and Ireland, but over a large central area of England there was a deficiency.

On the 1st a trough of low pressure, associated with a depression moving north over Iceland, passed eastward over the British Isles giving rain or showers and local thunderstorms. On the 2nd and 3rd a small secondary depression moved north-north-east along our west and north-west seaboard; further rain occurred, which was heavy in parts of Scotland. During the following days a depression moved first east-north-east and then north from a position south-east of Greenland; heavy rain caused serious local flooding in the west and north on the 4th-5th and more general rain occurred on the 5th. On the 7th and 8th pressure was high southward of the British Isles, while troughs of low pressure moved across the country; rain fell in the northern half of the British Isles on the 7th and in the west and north on the 8th; the latter day was warm and sunny over much of England and east Scotland.

The period 9th-13th was mainly anticyclonic; a high pressure system moved eastward over England on the 9th and 10th and another over Scotland on the 11th and 12th. Fair weather prevailed over most of the country, though troughs of low pressure associated with depressions moving east across Iceland caused some rain in north Scotland and extreme north Ireland on the 10th and slight rain in north Scotland and locally in Ireland on the 11th. Some warm days were experienced during this spell.

Unsettled conditions were renewed when a deep depression south of Iceland moved eastward: gales were recorded at some exposed stations in the northern half of the country between the 14th and 16th. On the 18th a shallow depression passed east over the north of Scotland giving more rain chiefly in the north and west, and from the 19th-21st another disturbance moved first east to St. George's Channel and then north-north-east over Scotland. Weather was very unsettled and rain heavy at times, particularly on the 20th. Subsequently a deep depression moved south-east from the west of Iceland to the north-west of Scotland and thence over the British Isles causing a continuance of unsettled, showery weather, with local thunderstorms and sunny periods. A shallow depression moved southward over Britain on the 25th; showers and local thunderstorms occurred, with sleet in some places and snow on high ground. A short, temporary break in the unsettled weather occurred in many parts on the 26th and 27th with the passage of a wedge over the British Isles but unsettled conditions were quickly renewed and persisted until the end of the month.

Pressure and Wind.—Mean pressure was below the average generally, the deficiency being greatest in the north and least in the south; at 7 h. the deviation ranged from -2.3 mb. at Lympne to -7.6 mb. at Sumburgh (Shetlands). The pressure gradient, associated with south-westerly winds, was thus considerably increased and winds from between south and west predominated. Local gales were reported at exposed stations at times, chiefly from the 3rd-5th, 10th, 14th-16th, 23rd, 24th and 29th. Among the highest speeds recorded in gusts were 67 m.p.h. at Lerwick on the 10th, 64 m.p.h. at Stornoway on the 4th, and 62 m.p.h. at Kirkwall on the 9th, Tiree on the 15th and St. Ann's Head on the 29th.

Temperature.—On the whole mean temperature was not very different from the average in Scotland and Northern Ireland but somewhat exceeded the average in England and Wales. The first three weeks were mainly mild, the warmest spells being the 1st-3rd and 8th-12th; the latter period provided some really warm days, 75°F. being registered in eastern Scotland on the 8th and temperatures approaching 80°F. at numerous places in England on the 11th and 12th. The last week was cool and minima of 32°F. or below were recorded at many places on the 26th and 27th. Low day temperatures were also experienced towards the end of the month,

notably on the 25th, when maxima below 50°F. were widely registered in the north and west.

The extremes for the month were:—(England and Wales) 81°F. at Norwich and Tunbridge Wells on the 11th, 28°F. at Castleton on the 27th; (Scotland) 75°F. at Aberdeen, Craibstone and Stonehaven on the 8th, 20°F. at Dalwhinnie on the 26th; (Northern Ireland) 68°F. at Castlerock on the 8th and at Castlerock and Armagh on the 10th, 28°F. at Aldergrove on the 26th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 108 over England and Wales, 155 over Scotland and 192 over Northern Ireland. In Scotland the excess was general apart from two small areas, one in north-east Aberdeenshire and the other on the coast of East Lothian, where totals just failed to reach the average. More than twice the average occurred over a fairly large area in Argyll and in the neighbourhood of Tain, Ross-shire. In England and Wales the distribution was very variable; less than the average occurred over a large central area as well as at a few stations on the coast. Within the central area several stations had less than 50 per cent. Elsewhere values generally exceeded the average, more than 150 per cent. being received locally in west and south Wales, the Lake District, a small area extending from north Cornwall to Plymouth and at a station in County Durham. Locally in the Lake District and at Bude twice the average occurred. In Northern Ireland the excess was general and noteworthy; percentages of the average ranged from 164 at Ballymena to 204 at Newtownbutler and 240 at Londonderry.

Heavy rainfall on the 4th-5th caused serious flooding in the Lake District of England and in the neighbourhood of the River Esk.

Among the heaviest falls in 24 hours were:—

- 2nd. 2.31 in. at Lochearnhead (Perthshire).
- 4th. 5.08 in. at Borrowdale (Cumberland), 4.07 in. at Watendlath Farm (Cumberland) and 4.26 in. at Conaglen, in Ardgour.
- 5th. 2.29 in. at Eskdalemuir and 2.46 in. near Blaenau Festiniog (Merioneth).
- 20th. 2.92 in. at Tain (Ross-shire) and 2.10 in. at Creggan reservoir, Londonderry and at Sion Mills (Tyrone).
- 27th. 2.95 in. at Kingairloch (Argyll) and 2.13 in. at Fofanny reservoir, Mourne Mountains.

Rainfall was frequent as well as excessive in the west of Scotland and in Northern Ireland, many stations reporting measurable rain on 24 days or more; Baltasound had as many as 29 such days and Portree (Skye) and Conaglen (Ardgour) 28.

Local thunderstorms occurred on the 1st, 3rd, 14th, 17th, 23rd-27th, 29th and 30th.

Snow was widely reported on high ground in Scotland on the 24th and 25th; it was reported on the 25th also on high ground in Northern Ireland and locally in South Wales. On the 25th sleet was reported at a few stations, and snow fell at sea level at Dunvegan, Skye.

Sunshine.—Sunshine was variable; in Scotland it exceeded the average in the east and south-west but was below the average up the Great Glen and in the west and north. In England and Wales sunshine was deficient in the south and east as well as in parts of the Midlands, but it was excessive on the whole in the north, particularly the north-east. In Northern Ireland, sunshine was somewhat below the average generally.

Fog.—Fog (mainly morning or evening) occurred locally at times, chiefly from the 8th-13th and 27th-29th.

Miscellaneous Phenomena.—The aurora was observed from northern stations in Scotland on 12 nights; solar halos were noted at Oxford on 11 days. A large meteor, with a long tail, was seen at Oakamoor, N. Staffs. on the 22nd. During a heavy shower at Bala on the 23rd, small lumps of ice were seen.

SECRET

TABLE I—DISTRICT VALUES—

SEPTEMBER, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	70	20	+0.2	—	—	160	+ 4	92	26
Eastern									
1 SCOTLAND, E.	75	21	+0.2	—	—	134	+ 2	116	38
2 ENGLAND, N.E.	77	28	+0.8	+1.4	+1.0	112	+ 2	119	42
3 ENGLAND, E.	81	30	+1.3	+1.2	+0.3	70	0	85	34
4 MIDLAND COUNTIES	78	29	+0.8	+1.3	+1.1	70	+ 2	107	37
5 ENGLAND, S.E.	80	33	+0.8	+2.1	+1.5	92	+ 1	89	37

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	70	26	0.0	+0.7	-0.1	175	+ 6	103	32
7 ENGLAND, N.W. (and N. Wales)	76	31	+0.6	+2.0	+1.6	107	+ 4	103	36
8 ENGLAND, S.W. (and S. Wales)	78	32	+0.6	+0.9	+0.9	111	+ 3	87	33
NORTHERN IRELAND	70	28	-0.1	—	—	183	+ 7	94	30
MEAN 0, 1, 6	—	—	+0.1	—	—	—	—	104	32
MEAN 2, 3, 4, 5, 7, 8	—	—	+0.8	—	—	—	—	98	37

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

SEPTEMBER, 1942

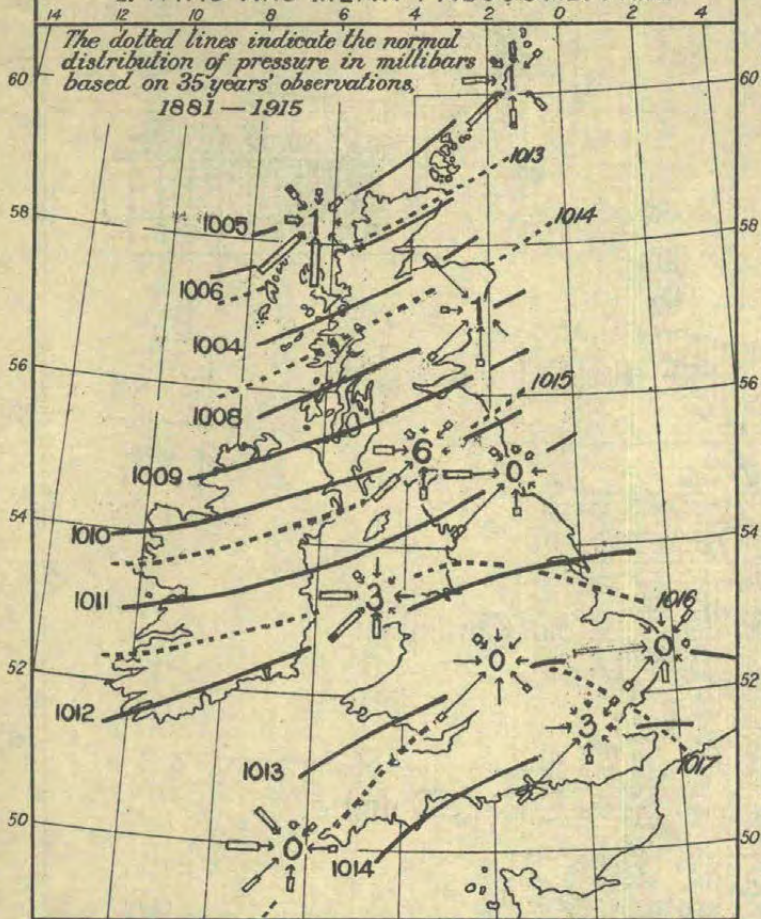
[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††									Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr		4 to 12 mi/hr		Less than 4 mi/hr		No Record		Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed		Hour ended at	Speed		Time			
													mi/hr	m/s		day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.	ft	ft	ft		hr		hr	hr	hr	hr	hr	*	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m	
Shetland Lerwick	310	53	39	5;9;10;15	13	19	231	290	163	23	0	230	45	20	10 21	67	30	10	20	35	
Orkney Kirkwall	170	40	35	-	0	10	84	358	237	41	0	170	34	15	3 06	62	28	9	10	55	
Hebrides Stornoway	120	40	36	3-5;10;14-35	20	22	213	243	159	85	0	210	47	21	10 13	64	29	4	21	05	
1 SCOTLAND, E.																					
Aberdeen Aberdeen	120	41	32	-	0	1	1	104	500	115	0	290	25	11	15 11	54	24	15	11	05	
Angus Bell Rock Lighthouse	130	-	126	14-16	7	22	238	331	123	21	0	240	43	19	15 06	59	26	15	15	45	
Edinburgh Edinburgh	485	39	23	-	0	9	48	329	281	62	0	180	36	16	4 22	60	27	5	02	45	
6a SCOTLAND, W.																					
Argyll Tiree	75	50	42	21	3	15	155	377	164	21	0	10	40	18	21 10	62	28	15	03	05	
Renfrew Paisley	188	81	31	-	0	2	5	139	467	109	0	180	26	12	4 22	53	24	5	05	10	
Renfrew (Abbotsinch)	65	46	34	-	0	3	13	188	368	138	13	190	26	12	4 22	55	25	15	08	50	
Dumfries Eskdalemuir	825	50	35	-	0	6	33	276	275	136	0	210	37	17	5 06	60	27	15	09	55	
6b ISLE OF MAN																					
Isle of Man Point of Ayre ..	70	40	35	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 ENGLAND, N.E.																					
Durham South Shields	73	57	44	-	0	1	1	204	378	137	0	290	26	12	16 11	48	21	15	12	30	
Durham	389	53	33	-	0	2	3	203	396	118	0	280	25	11	15 12	51	22	15	08	50	
Yorks., N.R. Catterick	220	45	33	-	0	0	0	94	417	209	0	270	22	10	16 09	45	20	22	11	55	
Yorks., E.R. Spurn Head	64	42	34	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lincoln Cranwell	284	43	33	-	0	4	17	231	377	95	0	220	29	13	5 09	49	22	16	12	10	
3 ENGLAND, E.																					
Norfolk Gorleston	52	42	34	-	0	5	12	163	497	48	0	200	27	12	5 10	45	20	3	13	15	
Suffolk Mildenhall	98	83	58	-	0	1	4	213	407	96	0	210	29	13	5 10	48	21	23	12	35	
Bedford Cardington	285	150	135	-	0	2	11	176	347	163	23	210	30	13	5 11	45	20	5	09	45	
Essex Shoeburyness	115	104	89	-	0	4	13	255	395	57	0	200	33	15	3 14	42	19	3	13	40	
4 MIDLAND COUNTIES																					
Leicester Leicester	385	60	33	-	0	0	0	40	360	310	10	200	19	9	21 02	35	16	5	09	30	
Warwick Birmingham	643	118	73	-	0	0	0	226	446	48	0	200	22	10	5 08	43	19	5	08	00	
5 ENGLAND, S.E.																					
London Southgate	222	30	-	-	0	0	0	102	469	149	0	220	22	10	5 15	46	21	23	13	10	
Surrey Kew Observatory	92	75	50	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Croydon	313	105	70	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kent Lympne	418	76	48	-	0	0	0	46	343	331	0	210	23	10	3 14	45	20	3	13	00	
Manston	199	46	40	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hants Calshot	58	50	42	-	0	2	3	171	429	117	0	210	26	12	5 12	42	19	15	07	50	
Wiltshire Boscombe Down	462	45	33	-	0	2	3	171	429	117	0	210	26	12	5 12	42	19	15	07	50	
Larkhill	491	51	36	-	0	0	0	168	401	128	23	200	24	11	20 12	43	19	23	15	05	
7a ENGLAND N.W.																					
Lancashire Fleetwood	112	50	31	-	0	8	62	307	326	25	0	290	36	16	16 7	52	23	5	02	10	
Manchester (Barton)	153	83	80	-	0	3	21	258	341	100	0	280	31	13	16 10	47	21	16	10	55	
Southport	60	42	33	-	0	8	54	236	351	79	0	290	32	14	15 19	49	22	23	15	50	
Cheshire Bidston Obs'y.	262	64	39	-	0	5	43	253	294	81	49	290	33	15	15 11	51	23	15	11	00	
Manchester (Ringway)	315	80	40	-	0	6	19	292	366	43	0	180	34	15	5 08	51	23	5	07	20	
7b NORTH WALES																					
Anglesey Holyhead	68	43	35	-	0	11	56	379	219	55	11	300	34	15	21 24	54	24	23	14	15	
Flint Sealand	81	65	42	-	0	1	2	65	451	202	0	300	25	11	22 05	39	17	22	14	45	
8a SOUTH WALES																					
Pembroke St. Ann's Head	212	70	-	5;23;29	13	15	157	354	185	6	5	240	45	20	29 22	62	28	29	20	45	
8b ENGLAND, S.W.																					
Devon Plymouth	185	88	65	-	0	5	25	201	384	75	35	-	28	13	29 22	37	17	5	06	30	
Cornwall The Lizard	315	75	60	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pendennis Castle	265	66	42	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTHERN IRELAND																					
Antrim Aldergrove	328	60	42	-	0	0	0	161	440	119	0	160	24	11	2 24	46	20	2	23	10	
SCILLY ISLES																					
St. Mary's	230	65	57	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

MONTHLY WEATHER CHARTS SEPTEMBER 1942.

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

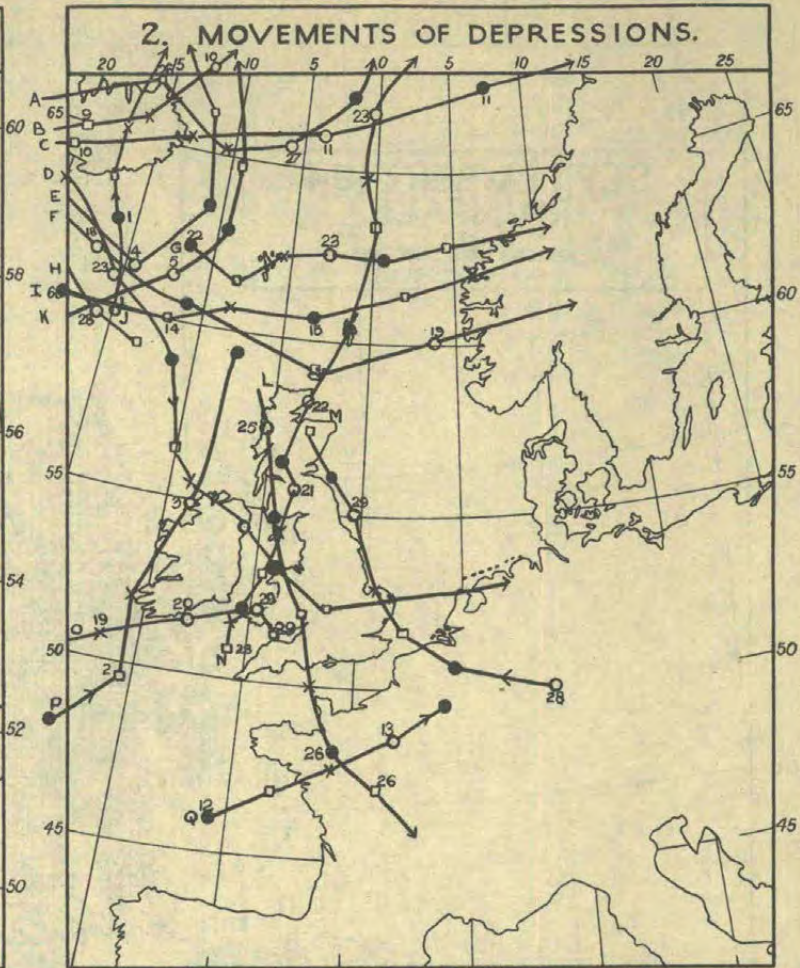
The dotted lines indicate the normal distribution of pressure in millibars based on 35 years' observations, 1881-1915.



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

10 10 10
 LIGHT MODERATE TO STRONG GALE
 30 Obs.'s. 1 inch

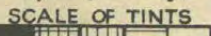
2. MOVEMENTS OF DEPRESSIONS.



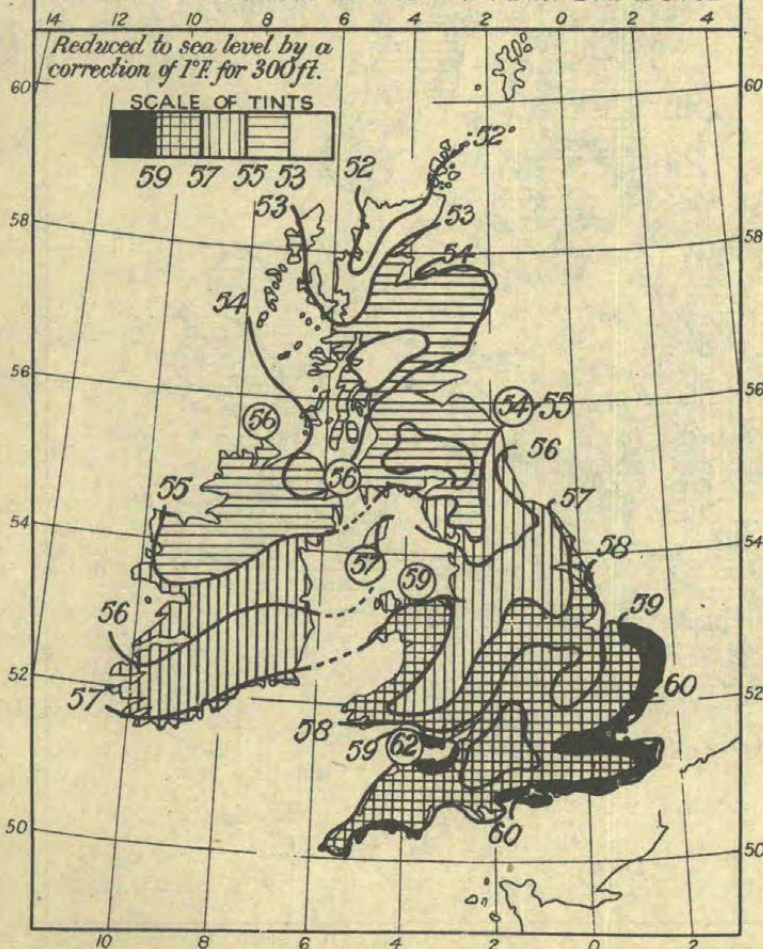
Positions of centres are shewn thus:- \bigcirc at 1h; \bullet at 7h; \square at 13h; \times at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE

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

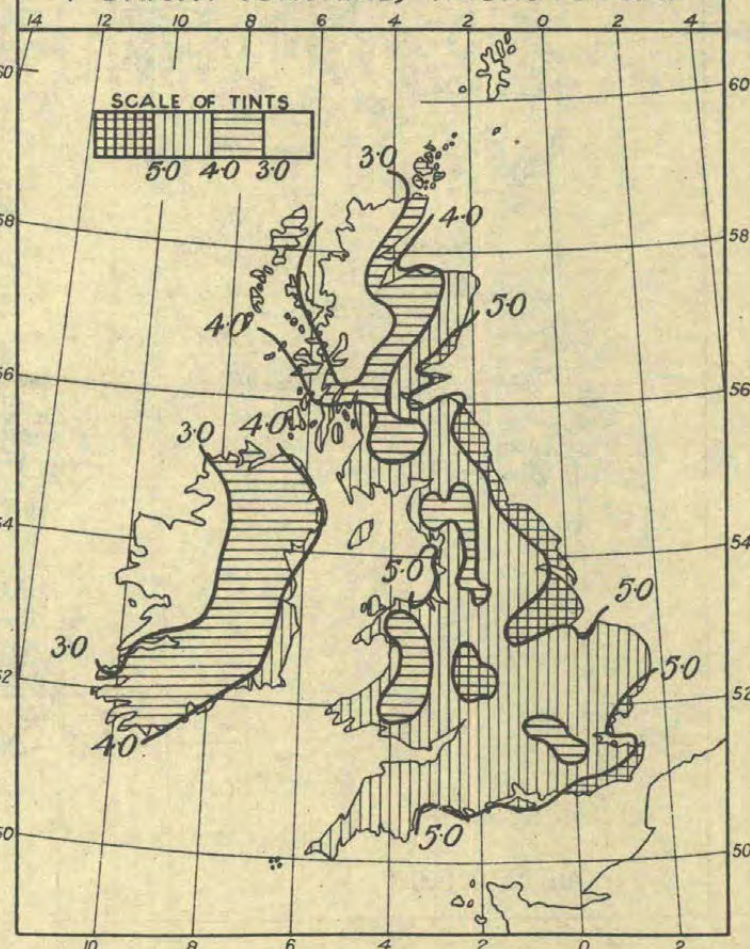


59 57 55 53



Sea temperatures are shown by figures in circles, thus: (50)

4 BRIGHT SUNSHINE, HOURS PER DAY



SCALE OF TINTS

5.0 4.0 3.0

TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hour 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	Per centage of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				A Max.	B Min.		Maximum	Date	Minimum			Date	1 ft												4 ft	mm	in	%	in	or more (0.2 mm or more)	or more (0.01 in or more)	hr	%	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				SCOTLAND																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
0 SCOTLAND, N.		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

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	Per centage of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount									Date	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	Amount										Date	0.1 in (2.5 mm)	0.01 in (0.25 mm)	Daily Mean	of Average	of Poss- ible			
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in							hr	%	%					
3 ENGLAND, E.																															
Norfolk	Cromer ..	9 9 9	178	66.2	51.7	58.9	+1.2	80	3	44	24	-	-	47	1.83	100	.40	28	15	11	0	0	0	0	0	0	0	0	4.66	91	37
	Hunstanton ..	9 9 9	105	66.0	51.5	58.7	+0.4	75	3	41	30	-	-	38	1.51	-	.82	28	14	7	0	0	0	1	0	-	-	4.91	99	39	
	Norwich ..	9 9 9	110	67.3	49.9	58.6	+1.5	81	11	39	27	58.1	-	34	1.33	-	.32	29	14	8	0	0	1	2	-	0	-	4.33	84	34	
	Sprowston ..	9 9 9	93	66.7	49.7	58.2	+1.1	80	11	37	27	-	-	49	1.92	-	.34	28	17	11	0	0	0	0	-	2	-	4.41	86	35	
	Terrington ..	9 9 9	13	66.4	48.9	57.7	-	76	12	37	27	-	-	37	1.46	-	.45	28	13	10	0	0	0	1	0	0	-	5.06	-	40	
	Thetford ..	9 9 9	99	66.9	45.2	56.1	-	78	11	30	27	58.7	59.3	52	2.04	-	.64	28	15	9	0	0	0	2	0	5	-	4.25	-	33	
	(Lynford Nursery)																														
Yarmouth ..	18-7 7	5	64.9	53.8	59.3	+1.2	76	8	43	25	60.7	58.7	42	1.67	85	.53	28	16	6	0	0	0	2	1	0	0	4.48	85	35		
Suffolk	Bungay (Flix'n) ..	9 9 9	79	66.6	50.7	58.7	+1.3	77	11	41	10	-	-	39	1.53	-	.43	29	10	9	0	0	0	3	0	0	-	-	-	-	-
	Felixstowe Aero.	18-7 7	10	67.5	53.9	60.7	+2.2	76	8	44	26	-	-	35	1.40	84	.49	28	16	9	0	0	0	1	1	0	0	5.54	95	44	
	Ipswich, Belstead																														
	Hall ..	9 9 9	125	67.1	50.5	58.8	-	76	8	41	10,11	59.3	59.5	45	1.77	-	.52	28	11	9	0	0	0	1	0	0	0	4.32	-	34	
	Lowestoft ..	9 9 9	82	66.3	51.8	59.1	+1.2	76	8	41	25	59.3	59.4	37	1.44	73	.33	28	14	9	0	0	0	1	0	-	0	4.45	79	35	
Mildenhall ..	18-7 7	15	67.2	48.9	58.1	-	79	11	33	27	-	-	36	1.43	-	.53	28	14	10	0	0	1	2	4	1	0	4.54	-	36		
Cambridge	Cambridge ..	2121 9	41	67.1	48.6	57.9	+1.0	78	11	32	27	59.7	59.6	25	.98	55	.44	28	10	5	0	0	0	1	-	0	0	4.53	92	36	
	(Bot. Gdns.) (Univ. Farm) ..	9 9 9	78	66.7	49.1	57.9	-	76	11	37	27	-	-	26	1.01	-	.49	28	11	6	0	0	0	1	3	0	0	4.17	-	33	
Bedford	Dunstable ..	18-7 7	516	64.9	48.4	56.7	-	73	11	38	27	58.1	55.9	26	1.03	-	.26	3	11	5	0	0	0	0	6	0	0	4.44	-	35	
	Luton ..	9 9 9	381	65.2	49.8	57.5	+1.4	74	11	40	26,27	59.1	57.7	27	1.08	-	.24	20	11	7	-	-	-	0	0	-	0	4.47	90	35	
	Woburn ..	9 9 9	291	65.1	48.7	56.9	+1.2	74	11	34	27	58.7	56.5	22	.88	49	.18	23	13	7	0	0	1	1	1	0	-	4.68	98	37	
Hertford	Rothamsted ..	9 9 9	420	64.0	49.3	56.7	+1.0	74	11	40	11	57.8	-	34	1.33	70	.37	20	12	6	0	0	0	0	0	0	0	4.04	80	32	
	St. Albans ..	9 9 9	272	65.7	48.2	56.9	+0.2	76	11	35	25	59.8	-	25	.99	55	.25	3	10	7	0	0	0	1	0	0	-	-	-	-	-
Essex	Clacton-on-S. ..	9 9 9	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dovercourt ..	9 9 9	47	66.8	52.3	59.5	+0.7	76	8	44	25	-	-	37	1.47	-	.47	28	11	10	0	0	0	0	0	0	-	5.27	-	42	
	Earls Colne ..	9 9 9	160	66.8	49.7	58.3	+0.2	76	11	41	7,10,11	59.5	59.9	60	2.36	-	.58	28	12	9	0	0	0	1	-	0	-	-	-	-	-
	Halstead ..	9 9 9	140	67.1	49.0	58.1	+0.9	77	11	39	25	-	-	44	1.74	-	.50	28	12	9	0	0	0	0	-	-	-	-	-	-	-
	Maldon ..	9 9 9	14	67.2	49.9	58.5	-	76	1,8	41	11,26	-	-	40	1.56	-	.48	28	9	5	0	0	0	0	0	-	-	4.48	-	36	
	Shoeburyness ..	18-7 7	11	67.6	53.3	60.5	+2.0	76	1	43	25,26	-	-	38	1.51	90	.59	28	10	7	0	0	0	0	1	1	0	5.06	93	40	
	Walton-on-Naze ..	9 9 9	35	66.6	52.8	59.7	+0.8	73	1	42	25	-	-	38	1.49	-	.48	1	14	8	-	-	-	3	0	-	5.30	95	42		
	Writtle ..	9 9 9	105	66.8	49.2	58.0	-	76	11	45	25	-	-	37	1.46	-	.34	28	14	9	0	0	0	0	-	2	-	-	-	-	-
4 MIDLAND COUNTIES																															
Yorks., W. Riding	Askham Bryan ..	9 9 9	90	64.1	47.3	55.7	-	73	3,8	32	27	-	-	49	1.95	-	.63	4	14	8	0	0	0	0	0	0	-	4.46	-	35	
	Bingley ..	9 9 9	610	60.8	48.0	54.4	-	70	8	34	27	-	-	58	2.27	-	.58	20	18	13	0	0	0	0	2	1	-	-	-	-	-
	Bradford ..	9 9 9	439	61.0	47.0	54.0	-0.5	71	8	33	27	55.6	56.4	43	1.70	73	.56	20	18	10	-	-	-	3	1	-	4.08	102	32		
	Doncaster ..	9 9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Harrogate ..	9 9 9	478	61.8	48.3	55.1	+1.4	71	8	35	27	55.3	55.9	45	1.75	87	.64	20	19	13	0	0	0	0	4	0	0	4.68	105	37	
	Huddersfield ..	2121 9	325	62.6	40.2	55.4	+0.9	73	8	34	27	56.9	57.2	31	1.20	65	.46	20	16	7	0	0	0	-	5	0	-	4.41	115	35	
	" (Oakes) ..	9 9 9	761	60.9	47.9	54.4	-0.3	71	8	35	27	56.4	54.9	54	2.14	101	.63	20	17	11	0	0	0	1	6	1	0	-	-	-	-
	Ilkley ..	9 9 9	315	61.4	47.5	54.5	-0.2	72	8	31	27	-	-	56	2.19	-	.73	20	12	0	0	0	0	1	1	-	0	4.69	113	37	
	Meltham ..	9 9 9	585	60.9	48.0	54.5	-	70	8,14	32	27	55.4	-	76	2.98	-	.68	20	18	15	-	-	-	-	0	-	-	-	-	-	-
	Pontefract ..	9 9 9	255	61.9	49.4	55.7	-0.6	72	8	35	27	-	-	39	1.52	102	.60	20	12	9	-	-	-	4	0	-	0	4.64	-	37	
Derby	Rotherham ..	7 7 7	284	63.8	48.5	56.1	-	75	8,11	36	27	56.0	-	31	1.23	-	.46	20	15	8	0	0	0	2	2	0	-	4.47	-	35	
	Sheffield ..	9 9 9	428	63.0	50.3	56.7	+0.8	74	8	36	27	56.5	56.4	29	1.15	61	.35	20	17	10	0	0	0	1	-	1	0	4.01	96	32	
	Wakefield ..	9 9 9	124	64.9	48.4	56.7	+0.8	76	8	32	27	56.7	56.1	31	1.20	75	.58	20	15	6	0	0	0	0	4	2	-	3.36	87	26.3	
	Belper (School) ..	9 9 9	198	64.1	48.4	56.3	+1.1	75	11	34	27	-	-	40	1.56	76	.42	21	12	8	0	0	0	0	-	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	59.1	46.8	52.9	+0.4	68	11	33	27	55.4	55.4	96	3.78	117	.49	5	20	16	0	0	0	1	1	1	0	4.01	98	31	
Nottingham	Attenborough ..	9 9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mansfield ..	9 9 9	357	63.6	48.9	56.3	+0.2	72	8	36	27	-	-	29	1.16	63	.35	20	13	12	0	0	0	2	3	-	-	-	-	-	-
	Nottingham ..	9 9 9	192	65.0	49.5	57.3	+1.2	75	11	33	27	58.5	59.6	19	.73	44	.11	19,20	14	9	-	-	-	5	1	-	5.20	125	41		
	Sutton Bonington	9 9 9	157	65.0	47.7	56.3	+0.2	74	3																						

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

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	Per cent- age of Average	Most in a day	Precip'n	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage						
				A Max.	B Min.			Maximum	Date	Minimum	Date														1 ft	4 ft	Daily Mean	of Average	of Poss- ible		
G.M.T.		ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in									hr	%	%					
4 MID COUNTIES—cont.																															
Stafford	Market Drayton	9 9 9	581	62.3	47.2	54.7	-	72	11	33	27	-	-	53	2.09	-	.40	21	16	9	0	0	1	2	1	-	4.88	-	38		
	Mayfield ..	9 9 9	374	63.2	46.3	54.7	+1.0	75	11	32	27	-	-	46	1.82	79	.57	20	15	9	0	0	0	-	1	-	4.71	107	37.8		
Shropshire	Newport ..	9 9 9	211	64.4	44.6	54.5	-	75	11	29	27	-	-	33	1.28	71	.21	20	17	11	0	0	1	0	3	6	-	5.05	-	40	
	Shrewsbury ..	9 9 9	184	64.9	47.9	56.4	+0.7	75	11	33	27	59.1	59.7	30	1.18	-	.24	21	14	10	0	0	0	1	3	1	0	4.57	-	36	
Worcester	Droitwich ..	9 9 9	106	65.4	47.3	56.3	-	74	11	29	27	-	-	33	1.29	-	.20	28.29	14	9	0	0	0	1	3	-	5.16	-	41		
	Malvern ..	9 9 9	380	64.5	50.1	57.3	+0.4	74	11	39	27.28	58.6	59.2	36	1.43	74	.40	29	10	7	0	0	1	1	0	0	-	5.26	110	42	
	Prestwood ..	9 9 9	260	65.8	48.1	56.9	-	77	16	32	27	-	-	39	1.54	-	.37	21	13	10	0	0	0	0	5	3	-	-	-	-	
	Worcester (Perdiswell)	9 9 9	94	66.8	47.9	57.3	+0.7	76	11	31	27	-	-	31	1.23	-	.22	29	14	9	0	0	0	1	-	6	-	5.14	-	40	
Hereford	Bromyard ..	9 9 9	393	64.8	47.6	56.2	+1.1	73	11	30	27	58.4	58.0	29	1.14	-	.30	29	9	9	0	0	1	1	2	4	-	-	-	-	
	Hereford ..	9 9 9	292	65.0	48.5	56.7	+1.3	73	11	32	27	-	-	50	1.98	107	.45	24	13	9	-	-	-	-	1	0	-	-	-	-	
	Ross-on-Wye	9 9 9	223	64.5	49.6	57.1	+0.4	73	11	33	27	59.5	59.2	35	1.37	71	.52	29	15	8	0	0	0	1	4	1	0	4.37	96	35	
Gloucester	Cheltenham ..	2121 9	214	65.7	49.7	57.7	+0.6	76	11,12	36	27	60.4	62.1	35	1.37	74	.34	23	13	10	0	0	0	1	2	0	0	4.43	95	35	
	Parkend ..	9 9 9	325	63.8	46.7	55.3	-	72	11	35	27.28	58.5	57.9	85	3.34	-	.58	1	15	12	0	0	0	0	1	0	-	4.42	-	35	
	Stonehouse ..	9 9 9	150	66.1	49.3	57.7	-	76	11	33	27	-	-	56	2.22	-	.86	23	15	11	0	0	0	0	1	2	1	-	-	-	-
5 ENGLAND, S.E.																															
London	City, Bunhill Row..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.63	84	29	-	-	
	Camden Square ..	9 9 9	110	66.6	53.0	59.8	+0.8	77	11	43	26	59.2	59.4	31	1.20	66	.29	21	13	8	0	0	0	0	-	0	-	-	-	-	-
	East Ham ..	9 9 9	15	67.3	52.0	59.7	+1.6	76	11	-	-	-	-	32	1.25	74	.34	28	12	8	-	-	-	-	-	-	-	-	-	-	-
	Enfield ..	9 9 9	87	66.0	50.8	58.4	+0.7	77	11	39	25	-	59.7	25	.99	53	.31	28	12	6	0	0	0	0	1	0	-	4.14	85	33	
	Greenwich ..	2424 9	149	66.9	51.3	59.1	+1.2	77	11	42	25	59.1	58.6	33	1.31	73	.29	28	15	8	0	0	0	1	3	1	0	3.99	79	32	
	Hampstead ..	9 9 9	450	64.8	49.9	57.3	+0.7	74	11	39	26	-	-	30	1.18	-	.36	28	11	7	0	0	0	1	-	0	-	3.88	78	31	
	Kensington ..	18-9 9	80	67.4	52.7	60.1	+1.0	77	11	43	26,28,29	60.5	59.6	37	1.44	80	.52	28	14	7	0	0	0	0	-	0	-	-	-	-	-
	Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Regent's Park ..	9 9 9	129	66.6	52.8	59.7	-	76	11	43	25,26	-	-	34	1.33	-	.47	28	10	8	0	0	0	0	1	0	-	3.80	89	30	
	Kew ..	2424 24	18	65.1	52.3	58.7	+1.2	75	11	44	25	60.3	59.5	27	1.04	56	.41	21	12	6	0	0	0	1	2	0	0	3.94	81	31	
	Observatory ..	18-7 -	-	65.1	52.7	58.9	+0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Southgate ..	9 9 9	221	66.3	50.9	58.6	-	77	(11)	41	26	59.8	-	27	1.06	-	.40	28	11	6	0	0	0	0	(0)	(0)	0	3.93	-	31	
	Tottenham ..	2121 9	54	67.3	53.2	60.3	+1.8	78	11	43	26	-	61.0	31	1.20	71	.35	28	11	8	0	0	0	0	-	0	-	4.05	84	32	
	Wealdstone ..	9 9 9	195	66.6	50.1	58.3	-	77	11	39	25	-	-	26	1.01	55	.17	28	14	9	0	0	0	1	1	0	-	-	-	-	-
	Westminster ..	9 9 9	27	66.8	53.6	60.2	+1.1	76	11	44	25	-	-	31	1.21	73	.42	28	9	7	0	0	0	-	0	-	3.77	82	30		
Surrey	Addington ..	9 9 9	475	64.6	50.3	57.5	+0.7	76	11	42	25,26	-	-	49	1.94	-	.30	20	16	13	-	-	-	-	3	-	-	-	-	-	-
	Croydon ..	18-7 7	217	66.2	52.5	59.3	+1.2	80	11	43	25	-	-	59	2.33	119	.36	21	14	12	0	0	2	1	3	0	0	4.04	80	32	
	Farnham ..	9 9 9	260	66.9	48.6	57.7	-	78	11	39	25,28	-	-	34	1.34	-	.23	21	13	8	0	0	0	0	0	0	-	-	-	-	-
	Milford ..	9 9 9	180	66.4	47.9	57.1	-	78	11	33	25	-	-	51	2.00	-	.41	24	15	10	0	0	1	1	2	0	-	4.36	-	35	
	Wisley ..	9 9 9	150	66.7	50.2	58.5	+1.4	79	11	40	25	60.3	59.9	28	1.10	53	.22	21	13	9	0	0	0	2	2	2	0	4.16	83	33	
Kent	Biggin Hill ..	18-7 7	567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromley ..	9 9 9	213	67.3	51.1	59.2	-	77	11	-	-	-	-	53	2.07	114	.42	13	15	10	0	0	0	0	1	0	-	-	-	-	-
	Canterbury ..	9 9 9	135	67.2	51.5	59.3	+1.1	78	11	38	25	60.6	60.5	50	1.98	-	.50	28	12	11	-	-	-	-	-	0	-	-	-	-	-
	Deal ..	9 9 9	25	67.1	52.5	59.8	+0.2	74	1	41	26	60.9	60.3	65	2.57	-	.45	30	13	13	0	0	0	1	0	2	-	5.49	102	44	
	Dover ..	9 9 9	19	65.5	50.9	58.2	+0.3	77	11	38	26	-	-	67	2.62	113	.55	28	13	13	0	0	0	2	-	-	-	-	-	-	-
	Dunegness ..	18-7 7	20	66.7	52.6	59.7	+0.9	75	18	41	25	-	-	69	2.72	132	.38	28	15	13	0	0	0	1	0	-	-	-	-	-	-
	East Malling ..	9 9 9	132	66.2	48.7	57.5	+1.4	78	11	35	25	-	-	63	2.49	-	.75	28	15	11	0	0	0	0	1	0	0	4.35	84	35	
	Goudhurst ..	9 9 9	290	65.7	49.2	57.5	-	77	11	37	25	-	-	63	2.50																

WEATHER OF THE DAY

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								Earth Tem- perature		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE		
				Means of		Difference from Average	Absolute Maximum and Minimum			Total Fall	Per- centage of Average			Most in a day	Precip'n 0.1 in (2.5 mm) or more	Snow lying	Hail	Thunderstorm	Fog (More's Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	1 ft									4 ft	Daily Mean	of Average	of Possible					
				Max.	Min.	Mean of A and B	Max.	Date	Min.	Date	ft	ft	mm	in	%	in	Date	0.1 in (2.5 mm) or more	0.1 in (2.5 mm) or more	Snow	lying	Hail	Thunderstorm	Fog (More's Obs.)	Ground Frost	Gale	hr	%	%	
5 ENGLAND, S.E.—cont.																														
I. of Wight	Newport ..	9 9 9	48	66.8	51.9	59.3	+1.2	78	12	39	25	-	-	75	2.96	-	.67	20	16	11	0	0	0	0	0	0	-	-	-	-
	Ryde ..	9 9 9	13	65.3	53.9	59.6	+0.7	74	12	46	25,28	-	-	56	2.20	-	.46	27	17	11	0	0	0	0	1	1	0	4.92	93	39
	St. Catherine's Point	18-7 7	150	64.3	54.8	59.5	-	74	12	46	26,28	-	-	66	2.60	-	.47	21	15	11	0	0	0	1	0	-	0	-	-	
	Sandown ..	9 9 9	13	65.3	54.2	59.7	+0.7	75	12	45	25	-	-	74	2.90	-	.58	20	16	13	0	0	0	1	0	-	5.02	87	40	
	Totland Bay ..	9 9 9	140	64.8	54.2	59.5	+1.2	75	12	45	25,26,28	-	-	70	2.77	124	.97	28	15	10	0	0	0	0	1	0	2	5.11	91	41
Wiltshire	Ventnor(Hospital)	9 9 9	60	65.2	55.4	60.3	+0.7	75	12	46	27	-	-	80	3.16	127	.80	25	15	13	0	0	0	2	-	0	5.23	90	41	
	Amesbury (Bos- combe Down)	18-7 7	417	64.7	48.8	56.7	-	75	12	40	27,28	-	-	44	1.72	-	.35	20	14	11	0	0	0	0	2	0	0	4.16	-	33
	Larkhill ..	9 9 9	440	63.9	49.2	56.5	+0.2	74	12	40	27	-	-	44	1.73	102	.29	20	14	11	0	0	0	1	0	0	-	-	-	
	Marlboro' †	9 9 9	424	65.4	46.3	55.9	+1.1	75	12	35	27,28	58.3	57.4	41	1.63	78	.38	30	13	9	0	0	0	1	3	0	0	4.53	95	36
	Porton ..	9 9 9	363	65.0	48.1	56.5	+0.5	74	12	38	27	59.1	-	59	2.31	132	.46	20	13	11	0	0	0	0	1	0	0	4.34	85	34
7a ENGLAND, N.W.																														
Cumberland	Keswick ..	9 9 9	254	60.4	48.2	54.3	+0.1	68	1	36	27	61.6	56.6	21.6	8.50	200	2.86	4	21	20	0	0	0	0	0	2	0	3.64	96	29
	Newton Rigg †	2121 9	560	60.9	46.0	53.5	+0.6	68	2	32	27	-	-	90	3.53	130	.88	4	20	19	0	0	0	0	0	0	0	4.11	100	32
Westmorland	Ambleside ..	9 9 9	145	61.8	46.7	54.3	-	69	13	32	28	-	-	169	6.66	-	2.96	4	22	17	0	0	0	0	0	-	3.80	-	30	
	Appleby ..	9 9 9	440	60.4	46.2	53.3	+0.7	68	1	31	27	-	-	85	3.36	133	1.15	4	18	17	0	0	0	0	-	-	-	-	-	
Lancashire	Blackpool ..	9 9 9	65	62.4	51.0	56.7	+1.2	71	10	37	27	59.2	59.3	61	2.38	84	.37	5	17	14	0	0	0	0	0	1	-	4.91	106	39
	Bolton ..	9 9 9	342	62.3	47.8	55.1	-0.2	72	8	34	27	57.2	56.3	80	3.14	89	.58	22	17	14	0	0	0	0	-	0	3.78	112	30	
	Burnley ..	9 9 9	458	60.5	48.3	54.4	+0.7	69	8	31	27	57.5	57.0	78	3.08	-	.58	22	20	13	0	0	0	0	0	4	-	-	-	
	Darwen ..	2121 9	724	62.3	49.3	55.8	+1.0	71	8	32	26	-	-	71	2.87	97	.55	5	21	18	0	0	0	0	0	0	-	-	-	
	Fleetwood ..	9 9 9	21	63.3	51.0	57.1	-	69	8,10	39	27	-	-	91	3.60	-	.71	23	21	18	0	0	0	0	0	1	5.15	-	41	
	Hutton ..	9 9 9	82	62.2	49.6	55.9	+0.7	71	8	36	26	57.9	58.0	71	2.82	-	.62	5	18	15	0	0	0	0	-	2	0	4.56	108	36
	Leyland ..	9 9 9	125	62.3	49.3	55.8	+1.0	71	8	32	26	-	-	73	2.87	97	.55	5	21	18	0	0	1	1	2	-	-	-	-	
	Manchester (Burnage)	9 9 9	147	63.4	48.7	56.1	-	73	3,8	34	27	-	-	47	1.83	-	.38	20	20	13	0	0	0	0	0	-	4.30	-	34	
	(Whitworth Pk.)	2121 9	125	63.2	49.9	56.5	+0.3	72	8	35	27	58.1	57.7	44	1.72	72	.30	5	20	12	0	0	0	0	1	3	0	4.15	118	33
	Morecambe ..	9 9 9	23	61.4	51.5	56.5	+0.2	67	14	42	26	-	-	97	3.82	124	1.10	4	18	15	0	0	0	1	0	-	0	4.77	104	38
	Nelson ..	9 9 9	540	60.4	48.5	54.5	-	67	10,14	33	27	55.1	55.8	91	3.59	-	.57	5,20	19	16	-	-	-	3	1	-	3.80	-	30	
Cheshire	Southport (Bedford Rd.Pk.) †	9 9 9	35	63.0	50.3	56.7	+0.8	71	10,14	33	27	56.9	57.6	72	2.83	103	.50	1,21	16	14	0	0	0	1	0	1	-	4.98	107	39
	Stonyhurst †	9 9 9	377	60.1	48.8	54.5	+0.2	67	8	35	27	-	-	98	3.85	101	.79	5	18	16	0	0	1	1	0	1	0	4.46	107	35
	Bidston Obs'y ..	9 9 9	198	60.9	50.5	55.7	-0.2	69	8,10	41	26,27	-	-	46	1.81	75	.37	20	16	11	0	0	0	0	1	0	0	4.57	104	36
	Hoylake ..	9 9 9	23	63.7	50.5	57.1	+0.6	72	8,10	37	27	-	-	42	1.65	68	.34	20	13	0	0	0	1	-	4	-	4.95	106	39	
	Macclesfield ..	9 9 9	500	62.2	48.4	55.3	+0.7	72	8	35	27	-	-	67	2.63	103	.44	5	19	15	0	0	0	1	0	-	-	-	-	
Denbigh	Manchester (Ringway) ..	18-7 7	235	62.2	49.0	55.6	-	71	3,8	32	27	-	-	48	1.89	-	.36	5	22	1	0	0	0	1	1	2	0	-	-	-
	Warburton ..	9 9 9	68	64.0	47.6	55.8	-	73	3,8	31	27	-	-	46	1.81	-	.37	20	17	11	0	0	1	2	2	4	-	4.49	-	35
	West Kirby ..	9 9 9	25	64.0	50.6	57.3	-0.2	74	8,10	40	27	-	-	45	1.78	77	.57	20	18	10	0	0	2	0	0	-	4.66	99	37	
7b NORTH WALES																														
Flint	Hawarden B'dge	9 9 9	17	64.9	48.9	56.9	+0.4	73	8,10	33	27	-	-	33	1.30	-	.15	23	14	13	0	0	0	0	1	-	-	-	-	-
	Prestatyn ..	9 9 9	18	64.3	51.2	57.7	-	70	3,8,14	39	27	-	-	49	1.92	-	.54	20	16	11	0	0	0	1	0	-	4.73	-	38	
	Rhyl ..	9 9 9	31	63.1	51.0	57.1	+0.6	70	10	37	27	-	-	48	1.90	92	.49	20	15	11	0	0	0	1	0	0	0	5.05	105	40
	Sealand .. †	18-7 7	16	64.2	49.9	57.1	+1.3	74	8	35	27	57.7	57.2	41	1.63	84	.30	21	17	13	0	0	0	0	4	2	0	4.78	110	38
Anglesey	Holyhead †	8 8 8	26	61.4	51.8	56.6	0.0	68	13	41	27	-	-	79	3.11	116	.67	4	20	16	-	-	-	-	0	0	4.21	89	33	
	Holyhead (Valley)	18-7 7	32	61.4	51.8	56.6	-	68	13	37	27	-	-	88	3.46	-	.55	4	19	17	0	0	0	0	1	0	2	-	-	
Denbigh	Colwyn Bay ..	9 9 9	118	62.6	50.8	56.7	-0.4	70	3	40	27,30	-	-	51	1.99	84	.27	18	20	16	0	0	0	0	0	-	4.68	102	37	
Carnarvon	Aber ..	9 9 9	60	62.2	(51.4)	(56.8)	(-0.1)	70	13			-	-	132	5.21	-	.93	4	21	18	0	0	0	1	0	0	1	4.35	101	34
	Llandudno ..	9 9 9	13	62.5	51.8	57.1	0.0	70	8	40	27	-	-	74	2.90	136	.43	18	21	13	0	0	1	1	0	0	0	4.75	101	37
Merioneth	Bala ..	9 9 9	535	62.2	48.7	55.5	-	76	11	32	27	-	-	84	3.30	-	.39	20	20	15	0	0	1	0	0	-	0	-	-	-
Montgomery	Lake Vyrnwy ..	9 9 9	750	60.4	47.5	53.9	-	70	8,11	35	1,2,30	-	-	109	4.30	-	.62	20,23	18	14	0	0	1	2	2	0	-	-	-	-
	Welshpool ..	9 9 9	254	65.1	47.1	56.1	+0.8	76	11	31	27	-	-	43	1.70	86	.32	20	16	13	0	0	0	0	2	-	-	-	-	
8a SOUTH WALES																														
Cardigan	Aberporth ..	18-7 7	376	61.6	51.2	56.4	-	69	10,13	41	26,27	-	-	147	5.78	-	1.19	25	16	15	0	0	1	3	0	0	0	4.30	-	34

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

SEPTEMBER, 1942

DISTRICT, COUNTY AND PLACE		Terminal Hour 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			Per cent- age of Aver- age	Most in a day	Precip'n	Snow lying	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Aver- age	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				A	B		Maximum	Date	Minimum	Date		Amount	Date													0.1in (0.2mm or more)	0.1in (1.0mm or more)	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Aver- age	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.													Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

TABLE IV (continued)—Summary of Observations at fixed hours

SEPTEMBER, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
										0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY			8 or more	0 to 3	4 to 5	6 to 7	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
															0	1	2	3				0	1	2														3	4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2 ENGLAND, N.E.—cont.			O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

TABLE IV (continued)—Summary of Observations at fixed hours SEPTEMBER, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Med. Vis.	GOOD VISIBILITY	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	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
ENGLAND, S.E.—cont.			O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

40-9999

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 10.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1432 1

OCTOBER, 1942.—Mainly dull; unsettled generally in the north, and in the south also from the 20th onwards.

During the opening days the anticyclone off our south-west coasts spread north-east over the southern half of the British Isles. Meanwhile a trough of low pressure associated with a depression in the far north moved south-east over the British Isles causing slight rain, chiefly in the west and north-west, but there was also slight rain in east Kent on the morning of the 1st; good sunshine records were obtained in many parts of England. On the 3rd and 4th a depression west-north-west of Ireland moved first east-north-east and then north-east and was associated with rain in Scotland and Ireland; widespread fog was reported in England. On the 5th a deep depression off south Iceland moved east-north-east and a trough of low pressure moved south-east over England; strong winds and local gales occurred in the north-west and north and there was rain in southern England and showers in northern Scotland. Meanwhile an anticyclone off west Ireland spread eastward giving a mainly fair day in most parts on the 6th. Subsequently a very deep depression off south Iceland moved slowly east and became gradually less deep; general rain prevailed on the 7th and a gale occurred locally in the north, while there were showers and long bright periods, with local thunderstorms, on the 8th. A new disturbance off south-west Iceland moving eastward caused somewhat widespread gales on the 9th and 10th and heavy rain locally in the west and north on the 9th and showery weather and bright periods on the 10th. A short break in the unsettled conditions occurred on the 11th with the passage of a wedge of high pressure over the country, when most places enjoyed a fair, sunny day. Unsettled weather was renewed on the 12th with the south-eastward movement of a trough of low pressure associated with an almost stationary depression over Iceland. Subsequently pressure was high southward of the British Isles, while an intense disturbance moved east-north-east across Iceland to Norway; there were widespread gales and rain fell at times.

For a period high pressure was maintained southward of the British Isles and mild, dull weather prevailed, with rain at times, chiefly in the northern half of the country. Locally in England there were considerable bright periods on the 19th and day temperatures reached 70°F. at some stations. The eastward passage of a trough of low pressure over Britain on the 20th caused general rain, heavy locally, and some local thunderstorms. Complex depressions moved eastwards to the north of Scotland on the 21st and 22nd, while associated troughs passed over the British Isles; further rain occurred which was heavy locally on the 21st. Subsequently a small secondary depression over southern Ireland moved east-north-east and was associated with heavy rain in the south on the 23rd. This was followed on the 25th by a complex depression, with centres west of Scilly and westward of Ireland, which moved in an easterly direction; rather cold, wet weather prevailed with heavy rain locally. Thereafter the centre off east Scotland drifted north and that over the English channel moved north-east to the North Sea; further rain occurred, which was heavy locally in southern England and north Ireland on the 26th. During the closing days cold winds from between north and east prevailed over the British Isles and rain fell at times, especially in the east and south.

Pressure and Wind.—Generally speaking, mean pressure was below the average in the north and somewhat exceeded the average in the south; at 7 h. the deviation ranged from -5.5 mb. at Sumburgh, Shetlands, to $+2.0$ mb. at Plymouth. Winds from between S. and W. predominated. Local gales occurred fairly frequently, mainly from the 5th–7th, 9th–10th, 14th–16th, 21st–26th, and 29th–30th; they were most widespread on the 9th–10th and 14th–15th. Among the highest speeds recorded in gusts at anemometer stations were 87 m.p.h. at Lerwick on the 10th, 85 m.p.h. at Lerwick on the 9th, and 85 m.p.h. at Lerwick and 82 m.p.h. at Kirkwall on the 15th.

Temperature.—Mean temperature somewhat exceeded the average on the whole, the deviation for the districts ranging from 0.0°F. in Scotland, N. and Northern Ireland to $+1.8$ °F. in England, E. (see Table I). Broadly speaking, the first 24 days were rather mild, particularly the week ending the 24th. Maximum temperatures of 70°F. or slightly above were registered at numerous places in England on the 2nd, 7th and 19th and at a few on the 1st, 4th and 14th. Temperatures approaching 70°F. were registered locally in north-east Scotland on the 14th. The night of the 22nd–23rd was unusually mild for one so late in the year, the temperature at 0100 being 60°F. at numerous stations in south-east and east England. The last week was cold, both day and night temperature being low at times. Ground frosts were widespread and fairly severe during the last week.

The extremes for the month were:—(England and Wales) 72°F. at Bridlington and Worcester on the 19th, 26°F. at Houghall on the 28th; (Scotland) 69°F. at Banff on the 14th, 23°F. at Dalwhinnie and Braemar on the 28th; (Northern Ireland) 65°F. at Castlerock on the 14th, 30°F. at Garvagh, Aldergrove, Hillsborough and Armagh on the 31st.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881–1915 was 99 over England and Wales, 139 over Scotland and 118 over Northern Ireland. In Scotland less than the average was confined to the south-east while more than twice the average was received over considerable areas in Sutherland and Argyll. In England and Wales more than the average occurred over most of east and south, but not south-west, England and also over a smaller area in north-west England. More than 150 per cent. of the average was received over part of East Anglia, locally in the London area and at places in Lancashire. Less than 50 per cent. of the average was registered in a small area in north-east England and locally in mid-Wales and Herefordshire. In Northern Ireland the excess was fairly general except in the south-east of the province; the percentages ranged from 79 at Armagh to 154 at Omagh.

Rainfall was very frequent in north Scotland; measurable rain fell on 31 days at Kirkwall, Skallary, Stornoway and Duntuilim, on 30 days at Cape Wrath and 29 at Wick and Fort Augustus.

Among the heaviest falls in 24 hours were:—

- 3rd. 3.35 in. at Glenquoich (Inverness-shire).
- 4th. 3.27 in. at Glendessary (Inverness-shire).
- 9th. 3.50 in. at Glenquoich, 3.39 in. at Blaenau Festiniog (Merioneth), 3.13 in. at Glenshiel (Ross and Cromarty).
- 21st. 3.43 in. at Blaenau Festiniog and 2.85 in. at Machynlleth.

Local thunderstorms were reported at times; for example on the 8th–9th, 13th, 20th, 25th, 27th–29th. In Scotland, thunderstorms were widespread on the night of the 28th–29th; at Banff a monument was damaged by lightning.

Snow fell in the Clyde area, at Fort William and at a few other places in the west of Scotland on the 8th. During the last week snow fell generally over high ground in Scotland.

Sunshine.—On the whole, sunshine was appreciably below the average. The percentage of the average was roughly 86 for both England and Wales and Scotland. In the Shetlands and locally in east Scotland, north-east England and the Midlands, however, there was an excess. The mean daily sunshine ranged from less than 1.5 hours over the western Highlands of Scotland to slightly more than 3.5 hours over rather small areas in south-east Scotland and north-east England and locally in the west Midlands (see Chart 4).

Fog.—Fog occurred, particularly in England, mainly from the 1st–5th, 7th, 14th, 17th–20th, 22nd, 23rd and 28th–30th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 17 nights. Solar halos were noted at Oxford on 11 days.

MWR dup

TABLE I—DISTRICT VALUES—

OCTOBER, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	63	23	0.0	—	—	157	+7	85	21
Eastern									
1 SCOTLAND, E.	69	23	+0.6	—	—	105	+4	97	28
2 ENGLAND, N.E.	72	26	+1.6	+0.4	+0.3	66	-3	102	31
3 ENGLAND, E.	71	28	+1.8	+2.1	+0.7	140	-1	82	26
4 MIDLAND COUNTIES	72	28	+1.6	+1.6	+0.8	86	-4	89	27
5 ENGLAND, S.E.	72	30	+1.3	+2.3	+1.5	106	0	81	25

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	66	25	+0.7	+1.5	+0.3	132	+3	82	21
7 ENGLAND, N.W. (and N. Wales)	71	30	+1.0	+1.5	+0.9	111	+1	81	23
8 ENGLAND, S.W. (and S. Wales)	71	27	+1.0	+0.7	+0.6	75	+1	81	25
NORTHERN IRELAND	65	30	0.0	—	—	106	+4	93	25
MEAN 0, 1, 6	—	—	+0.4	—	—	—	—	88	23
MEAN 2, 3, 4, 5, 7, 8,	—	—	+1.4	—	—	—	—	86	26

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER, 1942

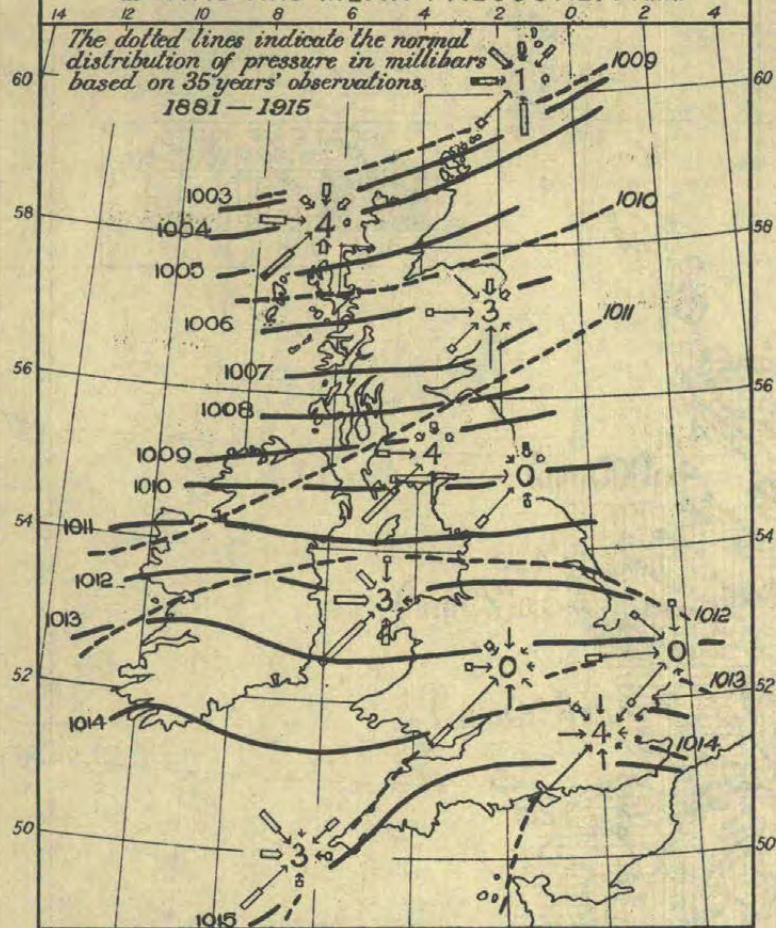
[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††								Extreme Velocities											
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr		4 to 12 mi/hr		Less than 4 mi/hr		No Record		Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration	Duration	Veers from N.	Speed	Hour ended at	Speed	Time					
0 SCOTLAND, N.	ft	ft	ft	5;6;9;10;15	hr		hr	hr	hr	hr	hr	hr	hr	hr	hr	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
Shetland Lerwick	310	53	39	22;29;30	60	21	236	288	143	17	0	260	60	27	10 01	87	39	10 01	87	39	10	01	20
Orkney Kirkwall	170	40	35	5;9;10;15	7	15	119	347	225	46	0	270	43	19	10 01	82	37	15 04	55				
Hebrides Stornoway .. .	120	40	36	5-7;9;14;15	39	22	161	306	170	59	0	260	48	21	15 05	73	33	5 04	45				
1 SCOTLAND, E.																							
Aberdeen Aberdeen .. .	120	41	32	5;9;10;14;15	0	0	0	111	470	163	0	260	24	11	15 14	53	24	15 13	15				
Angus Bell Rock Lighthouse	130	—	126	5;9;10;14;15	69	18	177	326	142	30	0	240	54	24	15 06	71	32	15 06	05				
Edinburgh Edinburgh .. .	485	39	23	26;29;30	0	10	62	358	283	41	0	200	37	17	14 20	60	24	14 19	20				
6a SCOTLAND, W.																							
Argyll Tiree	75	50	42	5;9;14;15	31	22	215	357	122	19	0	250	50	22	9 15	75	33	15 10	45				
Renfrew Paisley	188	81	31	—	0	2	2	128	501	113	0	270	26	12	5 13	59	26	14 19	35				
Renfrew (Abbotsinch)	65	46	34	—	0	4	14	179	393	158	0	270	30	13	5 12	66	29	15 12	50				
Dumfries Eskdalemuir .. .	825	50	35	—	0	11	71	269	309	95	0	230	37	16	9 15	65	29	15 14	00				
6b ISLE OF MAN																							
Isle of Man Point of Ayre ..	70	40	35	15	1	18	170	363	187	23	0	300	39	17	15 04	61	27	15 03	40				
2 ENGLAND, N.E.																							
Durham South Shields .. .	73	57	44	—	0	4	39	212	374	119	0	360	36	16	29 15	54	24	15 08	20				
Durham	389	53	33	—	0	4	33	283	328	100	0	270	30	13	15 13	64	29	15 12	30				
Yorks., N.R. Catterick .. .	220	45	33	—	0	1	1	92	513	138	0	250	25	11	10 14	50	22	10 14	20				
Yorks., E.R. Spurn Head .. .	64	42	34	25	1	18	118	419	204	2	0	170	39	17	25 21	60	27	25 20	40				
Lincoln Cranwell	284	43	33	—	0	10	53	323	304	64	0	300	30	13	20 22	53	24	9 15	15				
3 ENGLAND, E.																							
Norfolk Gorleston	52	42	34	25	1	2	11	142	505	78	7	180	39	17	25 20	55	25	25 19	45				
Suffolk Mildenhall .. .	98	83	58	—	0	7	28	303	374	39	0	300	31	14	15 07	68	30	15 06	15				
Bedford Cardington .. .	285	150	135	—	0	6	33	232	324	155	0	300	30	13	15 07	50	22	15 06	25				
Essex Shoeburyness .. .	115	104	89	26	2	5	13	323	332	74	0	170	48	21	26 19	61	27	26 18	25				
4 MIDLAND COUNTIES																							
Leicester Leicester .. .	385	60	33	—	0	0	0	97	345	280	22	280	23	10	15 11	45	20	24 13	00				
Warwick Birmingham .. .	643	118	73	—	0	3	10	283	407	44	0	230	28	13	15 15	56	25	9 20	50				
5 ENGLAND, S.E.																							
London Southgate .. .	222	30	—	—	0	0	0	6	249	465	24	—	14	6	9 24	40	18	9 23	40				
Surrey Kew Observatory .. .	92	75	50	—	0	0	0	103	454	187	0	240	20	9	9 24	48	22	24 13	35				
Croydon	313	105	70																				
Kent Lympne	418	76	48	Defective																			
Manston	199	46	40	Defective																			
Hants Calshot	58	50	42																				
Wiltshire Boscombe Down ..	462	45	33	—	0	2	4	218	379	143	0	230	26	12	10 01	45	20	15 05	45				
Larkhill	491	51	36	—	0	3	6	273	310	136	19	290	33	15	15 06	56	25	15 05	35				
7a ENGLAND, N.W.																							
Lancashire Fleetwood .. .	112	50	31																				
Manchester (Barton)	153	83	80																				
Southport	60	42	33	14;26	4	13	135	232	263	110	0	210	44	20	26 01	60	27	26 01	00				
Cheshire Bidston Obs'y. .. .	262	64	39	—	0	11	81	206	313	93	51	270	35	16	15 10	57	25	15 22	25				
Manchester (Ringway) .. .	315	80	40	—	0	7	30	361	302	51	0	230	30	13	15 15	53	24	15 14	00				
7b NORTH WALES																							
Anglesey Holyhead .. .	68	43	35	—	0	14	108	419	178	39	0	290	36	16	25 22	49	22	25 22	20				
Flint Sealand	81	65	42	—	0	0	0	79	458	207	0	280	20	9	16 06	37	17	16 05	45				
8a SOUTH WALES																							
Pembroke St. Ann's Head ..	212	70	—	9;10;15;21;22;24	25	16	200	271	221	26	1	270	50	22	9 24	65	29	9 23	40				
8b ENGLAND, S.W.																							
Devon Plymouth	185	88	65	—	0	4	19	165	424	110	26	—	40	18	25 11	53	24	25 08	20				
Cornwall The Lizard .. .	315	75	60	10;29;	11	15	146	332	210	23	22	80	50	22	29 09	69	31	29 12	55				
Pendennis Castle .. .	265	65	42	—	0	9	67	267	355	55	0	80	45	20	29 09	55	25	29 08	15				
NORTHERN IRELAND																							
Antrim Aldergrove .. .	328	60	42	—	0	1	5	148	432	159	0	230	28	13	9 16	48	21	14 16	00				
SCILLY ISLES																							
St. Mary's	230	65	57	29	3	8	62	330	255	94	0	40	46	21	29 14	73	33	9 13	00				

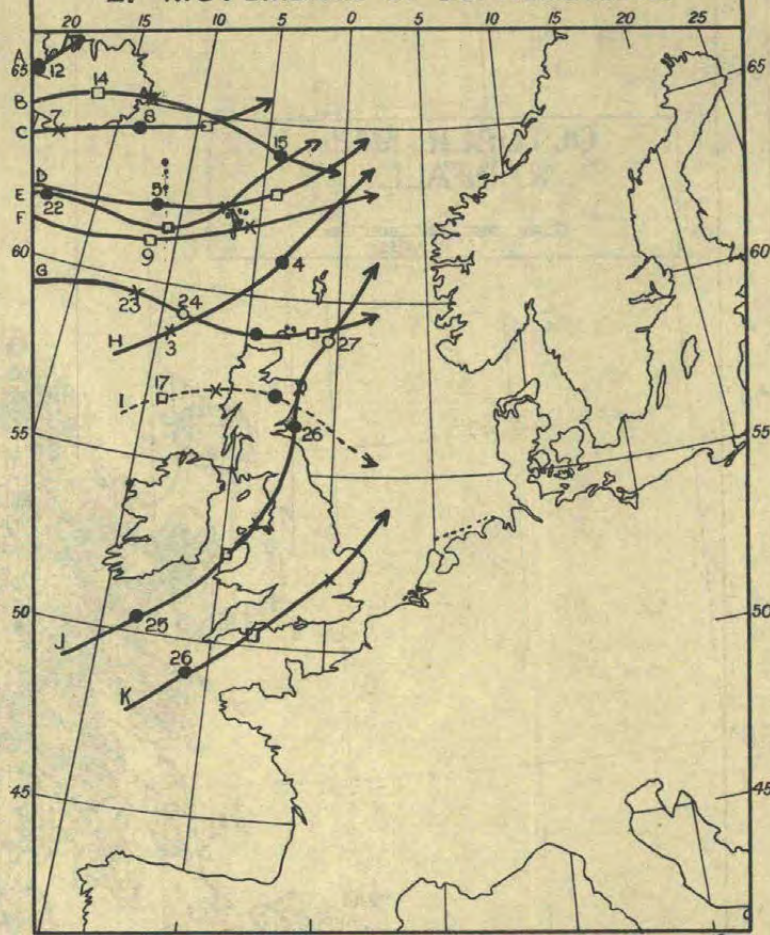
MONTHLY WEATHER CHARTS

OCTOBER 1942

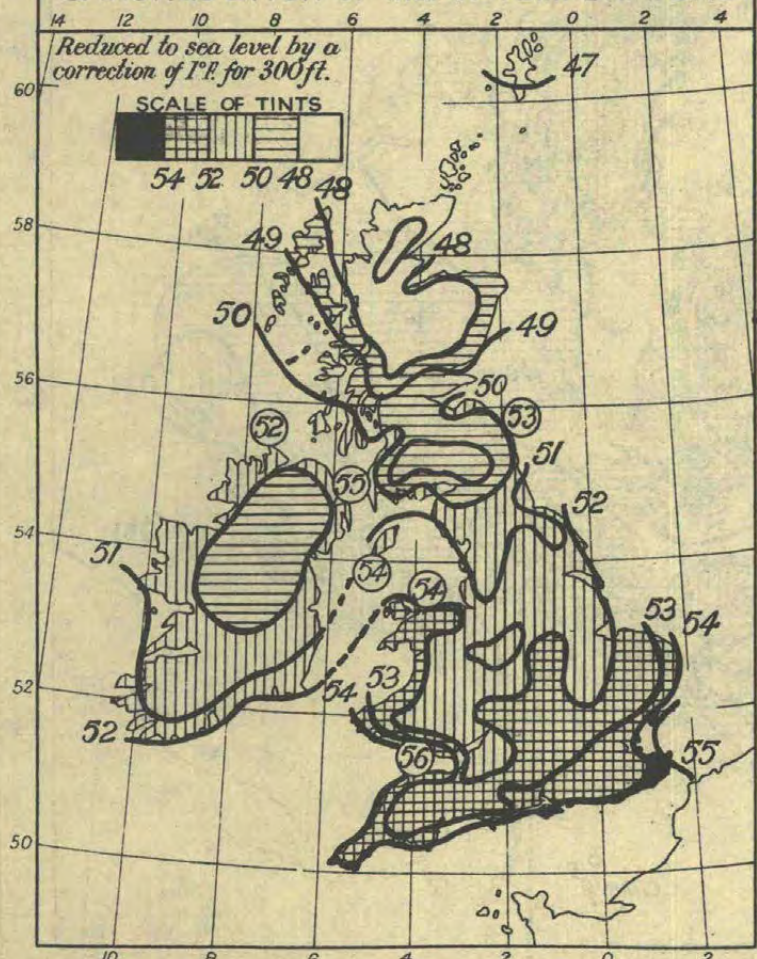
1. WIND AND MEAN PRESSURE. 7 A.M.



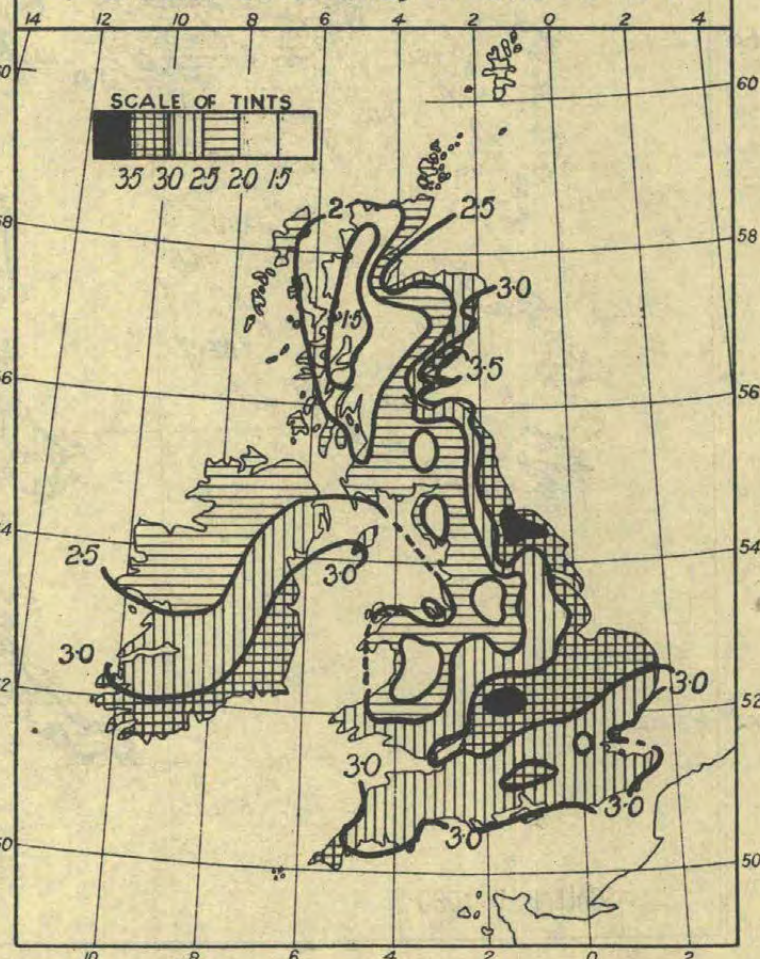
2. MOVEMENTS OF DEPRESSIONS.

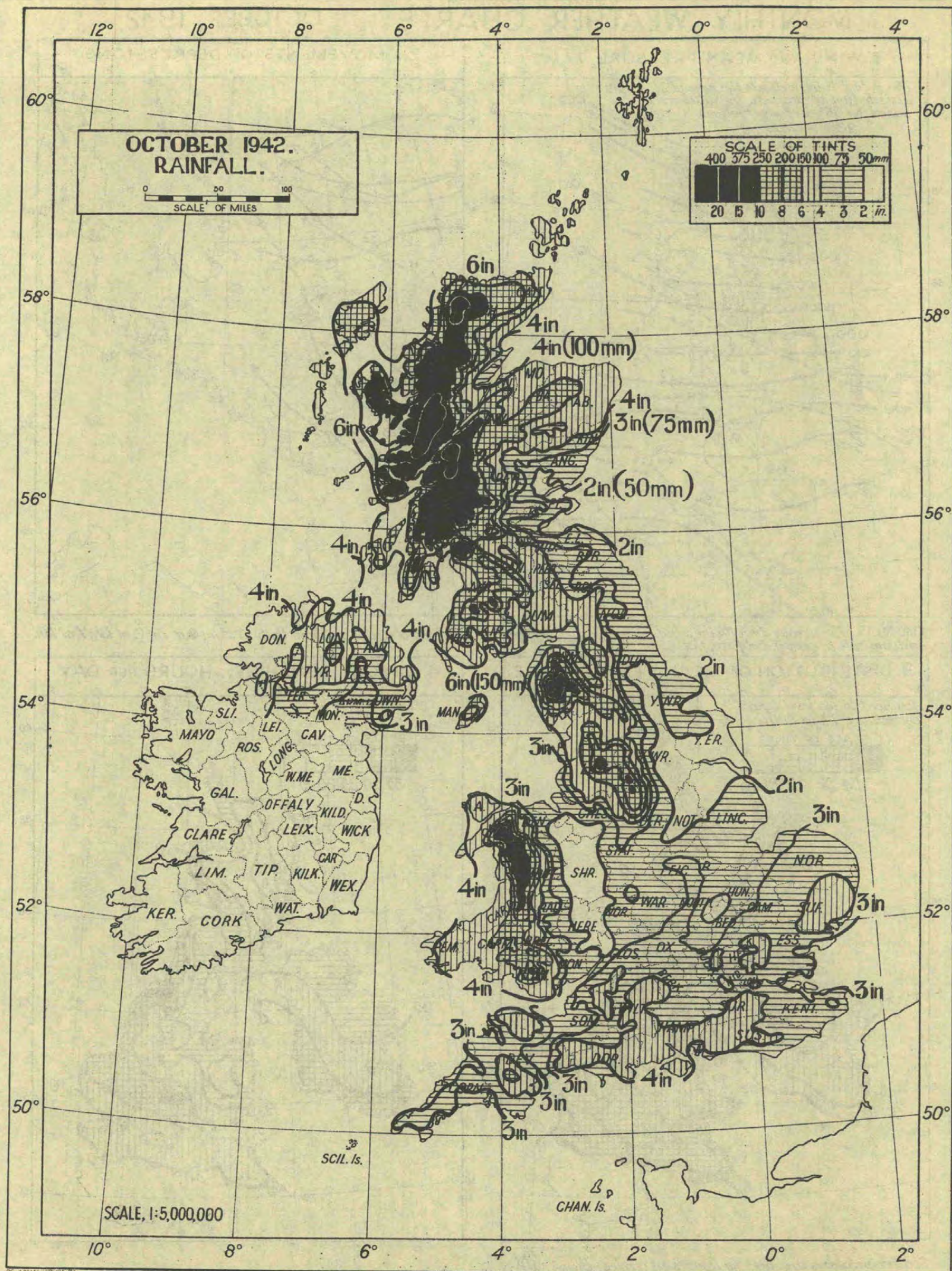


3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY





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

TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

OCTOBER, 1942

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			Per cent- age of Average	Most in a day	Precip'n (0.2mm or more)	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage							
					A Max.	B Min.		Maximum	Date	Minimum	Date		1 ft	4 ft										Daily Mean	of Average	of Poss- ible					
					Max. Min. Rain	°F		°F	°F	°F	°F		°F	°F										°F	°F	mm	in	%	in		
0 SCOTLAND, N.																															
Shetland	Baltasound ..	999	31																												
	Lerwick Obsy. †	999	269	49.3	41.3	45.3	+0.5	55	2	36	25	-	-	145	5.72	144	.77	26	28	23	-	2	1	-	5	8	2.33	102	23		
	Sumburgh (Links)	18-7 7	19	49.8	44.7	47.3	-	55	1,14	37	18	-	-	147	5.79	-	.50	14	27	23	0	0	6	0	1	1	9	2.33	102	23	
Orkney	Kirkwall ..	999	113	50.2	43.3	46.7	-0.7	59	14	38	25,26,31	47.7	-	160	6.30	160	1.02	18	31	26	4	0	0	0	0	2	4	2.43	95	24	
Hebrides	Skallary ..	101010	30	52.9	45.7	49.3	-	58	3,13	38	25,27	-	-	142	5.58	-	.75	3	31	23	-	-	-	-	-	-	-	-	-	-	
	Stornoway †	18-7 7	79	51.4	43.9	47.7	+0.5	58	19	35	31	-	-	153	6.02	123	.67	3	31	28	0	0	6	0	-	9	2.04	83	20		
Skye	Duntulm ..	999	294	51.1	44.4	47.7	-	55	1,13,14	36	26,31	-	-	208	8.19	-	.86	3	31	26	0	0	2	0	2	3	5	1.88	-	18	
Caithness	Wick ..	18-7 7	115	51.3	42.2	46.7	-0.1	63	14	34	25,26	-	-	109	4.30	145	1.05	18	29	23	0	0	0	0	0	3	2	-	-	-	
Sutherland	Cape Wrath ..	18-7 7	367	49.6	42.7	46.1	-	56	14	34	30	-	-	247	0.71	-	1.76	18	30	27	0	0	8	1	0	0	5	-	-	-	
Ross & Cromarty	Achnashellach ..	999	225	51.6	41.1	46.3	+0.1	59	14	30	25,31	-	-	343	13.50	168	1.75	9	29	26	2	0	0	0	0	-	0	-	-	-	
	Fortrose ..	999	69	53.5	43.1	48.3	+0.9	60	14	35	25,31	-	-	97	3.81	-	.62	28	28	21	0	0	0	0	0	-	0	2.60	87	25	
Inverness	Dalwhinnie ..	18-7 7	1176	48.8	39.6	44.2	-	59	14	23	28	-	-	155	6.12	-	.76	15	26	23	2	0	0	0	0	9	0	1.76	-	175	
	Ft. Augustus †	999	68	52.5	42.2	47.3	0.0	60	14	30	28	-	-	192	7.56	192	1.45	9	29	24	0	0	0	0	1	-	0	1.27	58	125	
	Ft. William ..	999	34	52.6	43.9	48.3	+0.4	58	4,14	33	28	48.8	51.1	-	310	12.22	172	2.13	9	25	23	0	0	2	0	1	1	0	1.21	59	125
	Inverness †	999	242	52.2	42.3	47.3	-0.4	62	14	35	25	-	-	104	4.11	168	.54	26	23	18	0	0	0	0	0	2	0	2.47	88	24	
	Onich ..	999	48	52.9	43.3	48.1	-	59	14	32	28	-	-	328	12.93	212	1.92	3	26	24	0	0	0	0	0	8	0	1.53	81	155	
1 SCOTLAND, E.																															
Nairn	Nairn ..	999	20	53.4	43.0	48.2	+0.3	65	14	32	26	-	-	88	3.47	148	.60	17	25	16	0	0	1	1	0	5	2	2.77	92	27	
Moray	Forres ..	999	155	54.0	41.3	47.7	-	68	14	31	26	-	-	106	4.18	-	.69	18	24	18	0	0	0	1	0	8	0	2.44	-	24	
	Gordon Castle ..	2121 9	104	53.8	40.7	47.3	-0.3	68	14	31	26,28	-	-	134	5.28	167	1.02	18	23	17	0	0	1	1	-	-	-	-	-	-	
Banff	Banff ..	999	130	53.2	43.4	48.3	+1.0	69	14	35	28	-	-	128	5.03	166	1.03	17	23	18	0	0	2	1	0	1	0	2.84	92	28	
Aberdeen	Aberdeen †	242424	79	53.2	43.5	48.3	+0.6	62	14	35	28	49.1	51.1	-	98	3.86	129	1.05	18	21	11	1	0	1	1	0	3	0	3.06	101	30
	Balmoral ..	999	927	51.6	38.9	45.3	+1.1	65	14	26	28	-	-	97	3.82	106	.59	28	23	17	0	0	0	0	-	12	0	-	-	-	
	Braemar ..	2121 9	1111	49.9	38.0	43.9	-0.2	62	14	23	28	-	-	88	3.47	92	.52	19	24	17	1	0	0	0	0	12	-	1.82	-	183	
	Craibstone ..	999	300	54.5	41.5	48.0	+1.9	62	14,16,17	33	28	47.6	49.5	-	107	4.22	129	.84	17	20	17	0	0	0	1	-	12	-	3.18	96	31
	Tarland ..	999	540	52.4	39.4	45.9	-	67	14	27	28	-	-	136	5.37	-	.91	28	20	17	0	0	0	2	-	0	-	-	-	-	
	Stonehaven ..	999	12	57.4	39.4	48.4	-	65	1	31	9	-	-	81	3.19	-	.68	17	23	12	0	0	0	0	0	0	-	0	2.83	-	27
Angus	Arbroath ..	999	93	55.2	42.1	48.7	+0.8	63	14	33	28	-	-	58	2.30	88	.62	25	16	8	0	0	0	1	0	10	1	3.65	104	35	
	Carnoustie ..	999	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dundee ..	999	147	56.7	37.8	47.3	0.0	63	19	28	31	49.2	-	52	2.03	78	.52	25	21	11	0	0	0	1	-	8	3	3.34	106	32	
	Kettins ..	999	218	53.6	40.9	47.3	+1.2	62	14	28	28,31	48.4	-	45	1.75	55	.26	17	20	13	0	0	0	0	1	9	4	-	-	-	
	Montrose ..	999	16	54.9	43.5	49.2	+1.9	63	14	35	28	-	-	57	2.24	-	.61	25	18	11	0	0	0	0	0	-	0	3.46	107	33	
Perth	Perth ..	999	76	55.0	43.1	49.1	+1.6	64	14	28	31	-	-	50	1.98	67	.46	23	19	15	0	0	1	0	-	3	2.84	98	275		
Fife	Cupar ..	999	210	54.2	42.8	48.5	+1.0	63	14	30	28,31	-	-	51	2.00	-	.56	25	19	13	0	0	0	0	-	0	-	-	-	-	
	Dunfermline ..	999	237	53.8	43.2	48.5	-	64	14	30	31	51.3	52.9	-	61	2.40	-	.44	25	21	14	0	0	1	0	0	4	1	2.50	-	24
	Kirkcaldy ..	999	137	55.3	42.5	48.9	+0.2	62	14	33	28	-	-	56	2.22	-	.62	25	16	21	0	0	0	0	-	-	-	-	-	-	
	Leuchars ..	18-7 7	36	54.9	43.4	49.1	+1.5	63	14	32	31	-	-	45	1.76	68	.46	28	19	10	0	0	0	0	0	6	1	3.87	113	37	
	Lundin Links ..	999	40	55.3	43.0	49.1	-	62	14	33	31	-	-	52	2.03	-	.94	25	16	9	0	0	0	0	0	-	1	2.80	-	27	
	St. Andrews ..	999	13	55.2	43.5	49.3	+1.7	64	14	30	28,31	49.3	48.5	-	47	1.87	66	.46	28	14	9	0	0	0	1	0	2	2	3.29	103	32
	St. Andrews ..	999	13	55.2	43.5	49.3	+1.7	64	14	30	28,31	49.3	48.5	-	47	1.87	66	.46	28	14	9	0	0	0	1	0	2	2	3.29	103	32
Mid Lothian	Balerno ..	999	750	51.6	42.6	47.1	-	60	14	30	31	-	-	95	3.76	-	1.23	25	21	18	0	0	0	0	0	1	0	1.79	-	17	
	Edinburgh—																														
	Blackford H. †	2121 9	441	53.8	44.6	49.2	+1.2	64	14	34	31	-	-	65	2.55	93	.85	25	18	10	0	0	0	0	3	1	4	2.98	93	29	
	Botanic Garden	999	74	55.2	43.2	49.2	-	66	14	29	31	-	-	47	1.84	-	.60	25	16	10	0	0	0	0	1	-	-	2.77	-	27	
	Univ. King's B.	999	225	55.5	44.9	50.2	-	64	3,14	34	31	49.0	51.8	-	64	2.51	-	.90	25	16	12	-	-	-	-	-	-	-	-	-	
	Boghall ..	999	639	53.4	43.6	48.5	+2.2	63	14	35																					

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

OCTOBER, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				A Max.	B Min.		Maximum	Date	Minimum												Date	1 ft	4 ft	Amount	Date	-0.01 in (0.2 mm) or more	-0.01 in (0.2 mm) or more	Snow	Snow lying	Thunderstorm	Fog (Mora'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
6a SCOTLAND, W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Argyll		Ardtornish ..	2121 9	48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

WEATHER OF THE DAY

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

OCTOBER, 1942

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	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					A Max.	B Min.		Maximum	Date	Minimum	Date													Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					°F	°F		°F	°F	°F	°F													°F	°F	hr	%	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
3 ENGLAND, E.			G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

OCTOBER, 1942

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	Per cent- age of Average			Most in a day	Precip'n in (0.2 mm or more)	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage									
				A Max.	B Min.		Mean of A and B	Maximum	Date														Minimum	Date	1 ft	4 ft	Daily Mean	of Average	of Poss- ible			
		Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in											hr	%	%			
4 MID COUNTIES—cont.																																
Stafford	Market Drayton	9 9 9	581	56.0				68	19	30	29	-	-	62	2.43	-	*76	20	21	14	0	0	0	0	3	4	-	2.51	-	24		
	Mayfield ..	9 9 9	374	56.5	41.0	+1.4	66	19	28	28	-	-	83	3.26	97	*52	17	21	13	0	0	1	0	6	-	-	2.23	80	21.8			
Shropshire	Newport ..	9 9 9	211	57.6	40.6	+1.3	70	19	29	6,28	-	-	58	2.29	87	*73	20	24	12	0	0	0	0	2	11	-	2.63	-	25			
	Shrewsbury	9 9 9	184	57.6	44.0	+1.3	71	19	30	28	53.0	56.0	41	1.62	-	*45	20	16	10	0	0	0	0	3	5	1	2.33	-	22			
Worcester	Droitwich	9 9 9	106	58.5	42.6	+1.4	70	19	28	28	-	-	65	2.55	-	*73	25	16	11	0	0	0	0	1	-	-	3.06	-	29			
	Malvern ..	9 9 9	380	57.3	45.7	+1.4	68	19	35	28	52.0	54.5	58	2.28	77	*58	29	15	10	0	0	0	0	0	1	-	3.49	105	33			
	Prestwood	9 9 9	260	58.3	42.5	+1.4	71	19	29	28	-	-	61	2.39	-	*51	29	18	11	0	0	0	1	2	13	-	-	-	-	-		
	Worcester (Perdiswell)	9 9 9	94	59.6	43.5	+2.1	72	19	29	28	-	-	59	2.32	-	*68	29	14	9	0	0	1	0	-	11	-	3.15	-	30			
Hereford	Bromyard	9 9 9	393																													
	Hereford	9 9 9	292	58.3	43.8	+1.9	71	19	32	28	-	-	56	2.19	71	*57	29	15	9	-	-	-	-	4	0	-	-	-	-	-	-	
	Ross-on-Wye	18-7 7	223	58.1	45.8	+1.4	70	19	30	28	53.5	55.4	39	1.52	46	*43	29	13	6	0	0	0	0	7	4	0	3.01	94	28			
Gloucester	Cheltenham	2121 9	214	58.0	45.3	+1.3	68	3	33	28	53.8	57.5	64	2.52	92	*70	29	14	9	0	0	0	0	2	3	0	3.09	91	29			
	Parkend ..	9 9 9	325	57.7	42.3	+1.3	64	3,19,22	29	28	52.7	54.3	61	2.42	-	*64	29	13	12	0	0	0	0	3	8	-	2.75	-	26			
	Stonehouse	9 9 9	150	58.4	44.4	+1.4	68	2,3	31	28	-	-	59	2.31	-	*65	29	17	12	0	0	0	0	1	3	-	-	-	-	-	-	
5 ENGLAND, S.E.																																
London	City, Bunhill Row ..	-	-																													
	Camden Square ..	9 9 9	110	59.4	47.4	+1.5	69	1	37	27	53.2	55.5	105	4.14	157	*87	26	16	12	0	0	1	1	-	1	-	2.15	86	20			
	East Ham ..	9 9 9	15	60.7	46.4	+2.0	69	7	-	-	-	-	99	3.90	161	*79	26	15	11	-	-	-	-	-	-	-	-	-	-	-	-	
	Enfield ..	9 9 9	87	59.1	45.8	+2.4	67	1,3	34	26	-	55.5	104	4.09	151	*81	25	17	11	0	0	0	1	6	1	-	2.67	83	25			
	Greenwich	2424 9	149	59.8	45.9	+1.6	69	2,4	35	27	54.4	55.7	102	4.00	158	*81	26	15	11	0	0	0	1	4	5	0	2.56	80	24			
	Hampstead	9 9 9	450	58.1	44.7	+1.7	67	2,3	36	27	-	-	93	3.66	-	*78	26	16	10	0	0	0	2	-	2	-	2.37	72	22			
	Kensington	18-9 9	80	59.7	47.2	+1.2	68	1,2,4	36	27	54.4	56.0	96	3.79	146	*74	26	16	12	0	0	0	0	-	7	0	-	-	-	-	-	
	Kingsway	-	-																													
	Regent's Park	9 9 9	129	59.6	47.4	+1.5	68	2,3	38	28	-	-	101	3.96	-	*85	26	14	11	0	0	1	1	7	0	-	2.25	87	24			
	Kew	2424 24	18	58.3	46.6	+1.5	66	4	36	27	54.1	56.1	87	3.43	126	*85	26	18	13	0	0	0	1	8	6	0	2.67	86	25			
	Observatory	18-7 -	-	58.3	47.9	+1.5	-	-	-	-																						
	Southgate	9 9 9	221	59.0	46.1	+1.5	68	1	34	28	54.3	-	105	4.15	-	*82	26	17	11	0	0	0	0	6	5	-	2.53	-	24			
	Tottenham	2121 9	54	59.7	48.1	+2.1	67	2,3	37	27,28	-	57.9	102	4.00	159	*90	26	16	13	0	0	0	0	6	1	-	2.49	84	23			
	Wealdstone	9 9 9	195	59.1	44.5	+1.8	71	1	33	27,28	-	-	105	4.12	142	*81	23	20	11	0	0	0	0	6	3	0	-	-	-	-	-	
	Westminster	9 9 9	27	60.1	48.0	+1.6	67	1,3,4	38	27	-	-	90	3.54	147	*90	26	14	10	0	-	0	1	0	-	-	2.18	78	20			
Surrey	Addington	9 9 9	475	58.6	45.5	+1.8	68	2	37	27	-	-	102	4.03	-	*103	26	14	12	-	-	-	-	5	-	-	-	-	-	-	-	
	Croydon ..	18-7 7	217	59.8	47.9	+2.8	71	2	36	27	-	-	105	4.16	138	*109	26	15	12	0	0	0	0	7	0	0	2.87	85	27			
	Farnham	9 9 9	260	60.3	44.1	+2.2	-	-	30	27	-	-	93	3.65	-	*85	25	15	10	0	0	0	0	5	4	-	-	-	-	-	-	
	Milford ..	9 9 9	180	59.6	43.4	+1.5	70	4	29	12	-	-	98	3.86	-	*82	25	17	11	0	0	0	0	3	4	-	3.30	-	31	-	-	
	Wisley ..	9 9 9	150	59.8	45.6	+2.0	69	2,4	32	28	54.2	56.3	91	3.58	114	*61	26	15	9	0	0	0	0	5	5	1	2.71	84	25.8			
Kent	Biggin Hill	18-7 7	567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromley ..	9 9 9	213	61.3	46.8	+1.1	71	2	36	25,27	-	-	99	3.90	141	*90	26	15	12	0	0	0	0	2	0	-	-	-	-	-	-	-
	Canterbury	9 9 9	135	60.9	46.9	+2.8	71	2,7	36	27	54.5	55.6	86	3.40	-	*37	25	15	12	-	-	-	-	-	3	-	-	-	-	-	-	-
	Deal ..	9 9 9	25	61.1	48.5	+2.5	70	7	38	12	56.0	57.4	88	3.48	-	*76	30	17	12	0	0	0	1	3	2	-	3.03	79	28			
	Dover ..	9 9 9	19	59.5	46.4	+1.0	67	2,7	34	12	-	-	85	3.34	86	*57	20,30	13	13	0	0	1	2	1	-	-	-	-	-	-	-	-
	Dungess	18-7 7	20	61.0	47.8	+1.5	69	22	39	12	-	-	68	2.67	76	*59	26	16	11	0	0	0	1	1	-	4	-	-	-	-	-	-
	East Malling	9 9 9	132	60.5	45.3	+3.0	71	2	33	27	-	-	84	3.29	-	*60	26	16	14	0	0	0	0	5	3	0	2.69	80	25			
	Goudhurst	9 9 9	290	59.7	45.6	+2.1	68	2,7	35	12	-	-	91	3.58	-	*82	26	20	14	0	0	0	0	5	4	-	-	-	-	-	-	-
	Lympe ..	18-7 7	346	58.9	47.8	+2.4	69	7	37	25	-	-	87	3.41	88	*69	26	22	12	0	0	0	0	7	2	1	2.55	67	24			
	Manston ..	18-7 7	154	59.6	49.4	+2.4	71	7	39	25	-	-	89	3.53	-	*86	30	19	12	0	0	0	0	4	0	0	-	-	-	-	-	-
	Ramsgate	9 9 9	80	60.0	49.5	+2.4	69	7	42	27	-	-	80	3.16	-	*81	30	13	11	0	0	0	0	0	-	-	2.87	74	27			
	Tunbridge W.	9 9 9	351	59.1	44.5	+1.6	71	2	35	25,27	54.5	56.7	87	3.41																		

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

OCTOBER, 1942

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	Per cent- age of Average			Most in a day	Precip'n	Snow lying	Snow falling	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	Percentage								
				A	B		Maximum	Date	Minimum			Date	1 ft										4 ft	Amount	Date	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	of Average	of Poss- ible		
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in							hr	%	%					
8a SOUTH WALES—contd.																															
Brecknock	Cantref ..	9 9 9	1080	53.1	42.4	47.7	-	62	2,3	32	26	-	-	190	7.47	-	1.22	9	23	19	0	0	0	0	7	-	2.69	-	25		
	Crickhowell ..	9 9 9	230	58.0	44.2	51.1	-	66	19	31	27	-	-	57	2.26	-	.57	25	17	12	0	0	1	1	2	6	-	-	-		
Glamorgan	Cardiff ..	2121 9	203	57.1	46.6	51.9	+1.3	65	3	38	28	53.9	55.9	98	3.87	81	.61	25	18	13	0	0	0	0	2	0	0	2.99	87	28	
	Swansea ..	9 9 9	33	57.7	48.5	53.1	+0.6	65	2	39	26	54.7	58.3	111	4.36	-	.74	21	21	17	0	0	1	0	0	1	-	2.73	84	25	
8b ENGLAND, S.W.																															
Monmouth	Newport ..	9 9 9	265	57.3	46.0	51.7	+1.0	65	2,3,19	33	28	53.0	56.5	77	3.03	-	.47	29	17	13	-	-	-	-	7	-	3.25	-	30		
	Usk ..	9 9 9	70	57.9	43.7	50.8	+1.5	67	19	32	28	52.4	-	50	1.97	-	.43	25	17	13	0	0	0	0	1	-	0	2.61	23	24	
Somerset	Bath ..	9 9 9	67	58.0	45.4	51.7	+0.8	68	4	30	27	54.6	56.9	90	3.56	109	.69	29	16	13	0	0	2	1	0	-	0	3.02	23	28	
	Bristol (Airport) ..	18-7 7	209	57.7	46.2	51.9	-	67	4	34	28	-	-	111	4.35	-	.74	5	18	14	0	0	1	0	2	5	0	3.04	-	28	
	Cannington ..	9 9 9	95	59.7	47.0	53.3	-	68	3	32	27	-	-	57	2.25	-	.60	29	21	10	0	0	0	0	1	1	0	2.88	-	27	
	Long Ashton ..	9 9 9	162	57.8	45.0	51.4	+0.4	68	3	32	27	-	-	105	4.12	109	.65	29	21	16	0	0	2	2	1	3	0	2.76	21	32	
	Taunton ..	9 9 9	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Weston-super-	9 9 9	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mare	Mare ..	9 9 9	28	58.5	48.3	53.4	-	67	3	38	27,28	-	-	70	2.77	76	.51	23	15	13	0	0	0	0	1	0	-	2.81	89	26	
Dorset	Holton Heath ..	9 9 9	64	59.2	46.1	52.7	+1.4	67	1,19	32	27	55.7	57.9	117	4.60	-	1.25	25	21	12	0	0	1	1	1	2	0	2.88	81	27	
	Poole ..	9 9 9	18	60.5	46.4	53.5	-	70	1,3	33	27	-	-	93	3.64	-	1.25	25	15	11	0	0	0	0	1	-	0	2.64	-	25	
	Portland Bill ..	18-7 7	32	57.9	51.7	54.8	+0.3	63	1	43	26	-	-	74	2.93	88	.87	26	13	9	0	0	0	0	1	-	0	-	-	-	
	Shaftesbury ..	9 9 9	722	56.6	45.3	50.9	-	65	2,3	35	27	-	-	114	4.48	-	.83	29	15	15	0	0	0	1	-	-	-	-	-		
	Swanage ..	9 9 9	14	59.0	48.7	53.9	-	66	1	37	28	-	56.8	106	4.17	-	1.04	25	20	16	0	0	0	0	0	1	-	2.97	-	28	
	Weymouth ..	9 9 9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Devon	Barnstaple ..	9 9 9	25	58.6	46.0	52.3	+0.1	68	3	32	28	-	-	73	2.86	63	.53	25	19	16	-	-	-	-	0	(0)	-	-	-	-	
	Cullompton ¶	9 9 9	202	59.8	44.5	52.1	+1.2	68	1,2,3	29	27	52.9	-	66	2.60	63	.48	29	21	14	0	0	0	0	0	3	-	2.69	82	25	
	Dawlish ..	9 9 9	17	-	-	-	-	-	-	-	-	-	-	-	102	4.03	-	1.16	29	14	11	-	-	-	-	0	0	-	3.12	-	29
	Exmouth ..	9 9 9	195	57.5	47.0	52.3	+0.3	64	1,22	36	27	-	-	100	3.95	-	1.08	5	15	10	0	0	0	0	2	-	0	3.12	21	29	
	Hartland Pt. ..	18-7 7	299	55.6	49.9	52.7	-	62	2,20	41	28	-	-	68	2.67	-	.54	23	21	17	0	0	2	0	1	0	1	2.60	-	24	
	Ilfracombe ..	9 9 9	25	57.7	50.4	54.1	+0.2	64	2	42	27	55.5	58.1	112	4.41	100	.96	24	19	14	0	0	0	0	0	0	-	2.69	87	25	
	Killerton ..	9 9 9	159	59.5	41.6	50.5	-0.5	68	2	31	28	-	-	93	3.67	-	.70	5	17	17	-	-	-	-	0	3	-	-	-		
	Newton Abbot ..	9 9 9	375	57.9	45.4	51.7	-0.3	68	2	33	27	-	-	100	3.93	95	.93	29	19	12	0	0	0	0	0	2	-	2.88	80	27	
	(Seale-Hayne Coll.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Plymouth (Hoe)	2121 9	117	58.6	49.0	53.8	+0.9	67	3	38	27	53.3	55.6	82	3.25	82	.66	23	21	15	0	0	0	0	0	0	0	2.82	77	26	
	Plymouth ..	18-7 7	82	57.7	48.4	53.1	-0.1	65	2,3	36	27	-	-	88	3.45	-	.80	31	19	14	0	0	0	0	3	2	0	2.80	77	26	
	(Mount Batten)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Princetown ..	9 9 9	1359	54.0	43.0	48.5	+0.8	71	19	33	28	-	-	200	7.87	93	1.73	23	20	19	0	0	2	0	11	0	-	-	-	-	
	Seaton ..	9 9 9	43	58.7	47.1	52.9	-	65	1,2,3	31	27	-	-	115	4.52	-	1.41	5	16	8	0	0	1	0	0	1	-	-	-	-	
Sidmouth ..	9 9 9	25	58.5	47.1	52.8	+0.5	65	3	34	27	-	-	103	4.04	-	.97	5	11	11	0	0	0	0	0	1	-	2.82	-	26		
Tavistock ..	9 9 9	457	56.0	-	-	-	-	67	5	-	-	-	54.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Teignmouth ..	9 9 9	20	58.5	47.0	52.7	-0.4	65	18	34	27	-	-	110	4.34	112	1.20	5	19	9	0	0	1	0	1	-	2.95	82	28			
Torquay ..	9 9 9	27	58.8	47.6	53.2	-0.3	66	1,18	33	27	-	57.7	111	4.37	108	1.37	29	18	8	0	0	0	0	1	1	0	3.04	81	28		
Totnes ..	9 9 9	100	58.6	44.1	51.3	-	67	1,2	27	27	53.1	-	-	126	4.97	-	1.21	29	20	14	0	0	1	0	-	5	0	-	-	-	
Cornwall	Bude ..	9 9 9	50	58.2	48.3	53.3	+1.0	68	3	35	28	-	-	84	3.30	81	.67	25	24	18	0	0	3	1	0	-	3.04	86	28		
	Ellbridge ..	9 9 9	200	57.9	45.7	51.8	-	67	2	32	27	-	-	78	3.08	-	.60	23	21	18	0	0	0	2	2	0	-	2.66	-	25	
	Falmouth Obs. ¶	9 9 9	167	58.5	48.9	53.7	+0.8	65	1	38	27	56.4	58.2	77	3.05	61	.62	29	21	16	0	0	1	2	3	2	-	3.08	84	29	
	Fowey ..	9 9 9	51	60.1	47.5	53.8	+0.4	69	2	36	28	-	-	72	2.82	-	.50	23	19	16	0	0	0	0	4	-	2.93	80	27		
	Gulval ..	9 9 9	20	58.6	48.7	53.7	+0.5	64	1	37	27	-	-	79	3.13	-	.75	24	22	11	0	0	1	2	0	2	-	3.34	89	31	
	The Lizard ..	18-7 7	240	57.4	50.0	53.7	-	62	1,2	44	26,28	-	-	90	3.54	-	1.18	29	20	14	0	0	0	0	5	-	1	3.03	-	28	
	Newquay ..	9 9 9	182	57.6	48.9	53.3	+0.6	65	3	38	28	54.0	56.0	57	2.25	57	.66	23	20	13	0	0	1	0	3	-	3.28	89	31		
	Penzance ..	9 9 9	55	58.8	49.1	53.9	-0.4	65	2,3	40	28	-	-	76	2.98	64	.65	24	22	12											

TABLE IV—Summary of Observations at fixed hours

OCTOBER, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY										WIND, NUMBER OF OBSERVATIONS														
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION								
											0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Mod. Vis.	Good Vis.	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
																0	1	2	3																		4	5	6
0 SCOTLAND, N.																																							
Shetlands	Sumburgh (Links) ..	1	23	1003.5	-	47.6	2.6	9.0	80	6.6	0	7	6	12	6	0	0	0	0	0	0	0	3	7	18	6	10	10	5	0	3	2	1	4	3	9	5		
		7	23	1002.9	-5.5	46.8	2.1	9.1	84	8.3	0	1	4	17	9	0	0	1	0	0	0	0	0	0	0	2	7	16	5	1	3	4	1	1	5	7	4		
		13	23	1003.5	-	48.3	2.7	9.2	79	8.4	0	1	4	18	8	0	0	0	0	0	0	0	0	0	0	1	11	15	4	0	5	3	1	1	3	8	7	3	
		18	23	1003.5	-	47.2	2.6	8.9	80	7.6	0	2	7	14	8	0	0	0	0	0	1	2	4	18	3	10	11	7	0	5	3	1	1	3	5	10	3		
Hebrides	Stornoway ..	1	83	1004.4	-	46.9	1.2	9.9	91	7.0	0	5	5	14	7	0	0	0	0	0	1	0	23	7	0	4	5	8	12	2	1	3	1	0	4	13	7	0	
		7	83	1004.0	-4.3	46.8	0.9	10.1	93	8.6	0	0	3	18	10	0	0	0	0	0	1	2	9	19	0	1	5	12	9	4	2	2	1	0	3	10	6	3	
		13	83	1004.8	-	50.3	1.9	10.7	87	8.5	0	0	3	20	8	0	0	0	0	0	0	3	5	23	0	2	6	18	4	1	3	3	1	1	3	12	5	2	
		18	83	1004.8	-	47.5	1.3	10.1	90	8.2	0	1	2	19	9	0	0	0	0	0	2	14	15	0	0	9	10	10	2	3	1	2	1	3	9	7	3		
Caithness	Wick ..	1	117	1005.3	-	45.6	1.8	8.9	86	6.7	0	4	11	7	9	0	0	0	0	0	0	3	6	15	7	0	3	15	11	2	2	3	0	1	7	11	4	1	
		7	117	1004.7	-4.0	45.2	1.7	8.8	86	7.4	0	3	7	14	7	0	0	0	0	0	1	4	3	11	12	1	3	12	15	0	0	4	1	1	6	9	7	3	
		13	117	1005.4	-	50.1	3.2	9.5	77	8.1	0	0	8	14	9	0	0	0	0	0	3	3	11	14	1	4	10	15	1	4	2	0	1	6	7	5	5		
		18	117	1005.4	-	47.0	2.3	9.1	82	7.8	0	1	9	11	10	0	0	0	0	0	1	2	4	11	13	1	2	11	13	4	3	2	1	2	4	7	6	2	
Inverness	Dalwhinnie	7	1180	964.4	-	42.9	1.6	8.1	86	8.0	0	2	4	16	9	0	0	0	0	0	1	0	16	14	0	0	4	27	0	5	2	0	1	5	11	6	1		
		13	1180	965.0	-	47.4	3.3	8.4	75	8.1	0	1	5	18	7	0	0	0	0	0	1	0	8	22	0	0	0	7	24	0	4	2	0	1	3	15	6	0	
		18	1180	964.9	-	44.1	1.8	8.4	85	8.5	0	0	5	17	9	0	0	0	0	0	1	1	16	13	0	0	0	6	24	1	2	3	0	1	4	13	6	1	
		9	250	1006.3	-	47.8	1.6	9.9	88	5.0	0	5	21	4	1	0	0	0	0	0	1	2	0	4	24	0	1	6	24	0	0	2	6	2	4	8	8	1	
1 SCOTLAND, E.	Inverness ..	17	250	1005.5	-	47.9	1.4	10.2	89	5.4	0	1	26	2	2	0	0	0	0	0	2	0	0	12	17	0	1	6	24	0	0	2	4	8	3	9	4	1	
Aberdeen	Aberdeen	7	85	1006.1	-4.0	46.1	1.8	9.0	86	6.9	0	8	1	14	8	0	0	0	0	0	3	5	8	12	3	0	0	5	23	3	2	1	0	1	6	7	6	5	
		13	85	1006.4	-	51.6	3.8	9.6	75	6.7	0	8	5	11	7	0	0	1	0	0	2	4	0	19	0	0	1	9	19	2	4	0	0	2	5	6	7	5	
		18	85	1006.7	-	48.9	2.6	9.7	81	6.9	0	6	6	13	6	0	1	1	1	3	4	5	11	5	0	0	0	2	24	5	2	0	1	1	5	6	8	3	
		h*	85	1006.8	-	47.7	2.4	9.3	82	6.0	0	10	6	7	8	0	0	0	2	0	6	5	11	7	0	0	0	5	25	1	2	0	1	2	5	6	8	6	
Fife	Braemar ..	9	1108	1007.6	-2.8	44.9	2.3	8.3	81	8.4	0	3	3	6	19	0	0	0	0	1	11	16	3	0	0	0	1	6	19	5	2	1	0	0	10	8	5		
		7	36	1006.8	-3.7	46.1	1.0	9.7	92	7.2	0	6	4	14	7	0	0	0	0	0	0	8	7	13	0	0	1	6	20	4	1	1	0	0	2	8	13	2	
		13	36	1007.1	-	53.3	3.2	11.0	79	7.2	0	4	7	14	6	0	0	0	0	1	0	7	7	12	4	1	3	11	13	3	4	0	1	0	0	11	10	2	
		18	36	1007.4	-	49.7	2.0	10.6	86	8.0	0	1	6	14	10	0	0	0	0	1	1	4	10	13	2	0	3	5	20	3	2	1	0	0	1	13	8	3	
Mid Lothian	Edinburgh (Blackford Hill)	9	441	1007.8	-	49.1	2.7	9.5	81	6.6	0	7	7	10	0	0	0	3	2	2	16	0	8	0	0	0	3	14	13	1	0	1	0	0	4	14	9	2	
		21	441	1008.3	-	47.9	2.3	9.5	83	6.4	4	7	2	4	14	-	-	-	-	-	-	-	-	-	-	0	3	13	12	3	0	0	1	0	4	8	13	2	
6a SCOTLAND, W.																																							
Argyll	Tiree ..	7	27	1007.2	-1.8	48.8	2.2	9.8	84	7.8	0	2	7	12	10	0	0	0	0	1	2	2	5	16	5	1	7	8	14	1	3	2	2	0	3	7	11	2	
		13	27	1008.0	-	51.6	3.3	10.1	78	7.9	0	4	4	10	13	0	0	1	0	0	1	2	7	9	11	2	6	16	7	0	2	3	0	2	2	9	10	3	
		18	27	1007.8	-	49.4	2.5	9.9	82	8.0	0	1	9	8	13	0	0	0	1	1	5	3	14	6	1	3	17	10	0	2	4	1	0	3	6	11	4		
Bute	Rothesay ..	9	187	1009.2	-1.7	49.5	1.8	10.5	87	7.4	0	1	9	16	5	0	0	0	0	0	0	8	5	18	0	0	1	4	26	0	1	0	2	0	0	4	15	9	
		21	187	1009.4	-	48.1	1.7	9.9	87	7.0	0	5	7	9	10	0	0	0	0	1	0	2	8	15	4	0	1	7	23	0	1	1	2	0	2	3	10	12	
Renfrew	Renfrew .. (Abbotsinch)	7	24	1008.4	-2.4	47.3	1.4	10.1	90	8.4	0	1	4	14	12	0	0	1	0	2	4	7	6	11	0	0	1	10	15	5	0	0	1	0	2	12	9	2	
		13	24	1009.0	-	52.8	3.9	10.1	74	8.3	0	1	2	20	8	0	0	0	0	0	3	3	5	16	0	0	2	13	16	0	2	1	1	0	3	9	13	2	
		18	24	1008.6	-	49.7	2.5	10.2	82	8.4	1	1	2	15	12	0	0	0	1	3	3	5	9	9	1	0	2	5	19	5	0	2	1	0	2	14	6	1	
Dumfries	Eskdalemuir	7	778	1009.3	-2.4	44.3	1.2	8.9	90	8.2	0	3	2	14	12	0	1	0	0	1	0	8	6	15	0	0	2	10	15	4	1	2	0	0	5	12	5	2	
		13	778	1009.1	-	49.9	3.1	9.5	78	8.4	0	2	3	15	11	0	0	0	0	0	1	7	3	20	0	0	6	13	12	0	1	2	0	2	3	12	9	2	
		18	778	1009.4	-	46.6	1.7	9.4	87	8.6	0	0	5	11	15	0	0	0	2	0	1	9	4	15	0	1	3	6	21	0	3	2	1	1	3	13	6	2	
		h*	778	1009.5	-	45.4	1.2	9.3	90	8.2	0	2	5	8	16	0	0	1	0	2	1	11	5	11	0	0	4	8	15	4	3	2	0	0	5	10	5	2	
6b ISLE OF MAN	Isle of Man	Douglas ..	9	286	1012.2	+0.4	50.5	2.3	10.6	84	6.1	0	1	15	14	1	0	1	0	1	0	1	13	12	2	0	0	6	17	8	0	3	2	1	1	0	5	16	3
Point of Ayre	Point of Ayre	7	31	1010.4	-	50.1	1.3	11.1	90																														

TABLE IV (continued)—Summary of Observations at fixed hours

OCTOBER, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																						
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION																	
											0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Via	Miles	Good	8 or more	7	6	5	4	3	2	1	0	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																						0	1	2	3																						
2 ENGLAND, N.E.—cont.																																															
Lincoln	Cranwell ..	H	1	208	1012.5	-	48.8	1.4	10.5	89	5.9	5	6	3	5	12	0	0	1	1	3	4	17	4	1	0	0	3	15	12	1	2	0	0	1	5	10	10	2								
			7	208	1012.5	-	47.1	1.2	10.3	91	7.3	1	3	6	14	7	0	1	1	0	2	3	10	10	4	0	0	2	10	17	2	1	1	0	1	4	10	9	3								
			13	208	1012.1	-	55.8	4.2	11.0	74	8.4	0	0	5	18	8	0	0	0	0	0	1	11	15	4	0	0	0	4	15	12	0	3	1	0	2	3	7	12	3							
			18	208	1012.0	-	52.2	2.3	11.4	84	7.4	0	7	2	13	9	0	0	0	1	0	5	13	12	0	0	0	0	1	12	18	0	4	0	0	3	4	8	10								
3 ENGLAND, E.																																															
Norfolk	Cromer ..	H	9	74	1013.0	-	50.6	1.3	11.6	91	7.3	0	0	10	12	9	0	0	0	0	0	1	30	0	0	0	0	0	7	24	0	1	2	0	2	9	5	9	3								
			1	26	1013.0	-	52.4	2.0	11.6	87	5.7	9	2	3	7	10	1	0	0	0	0	2	13	15	0	0	0	1	8	22	0	2	2	0	0	1	11	12	3								
			7	26	1012.8	-0.5	50.8	1.5	11.3	89	7.8	1	4	4	7	15	0	1	0	1	0	2	13	14	0	0	0	0	5	26	0	0	0	0	0	1	9	10	7								
			13	26	1013.3	-	56.8	4.2	11.7	74	7.8	1	2	4	15	9	0	0	0	0	0	1	11	15	4	0	0	0	10	21	0	0	2	1	1	4	9	6	8								
Suffolk	Felixstowe Aero.	H	7	16	1013.7	-	52.1	1.9	11.6	87	7.9	1	2	4	11	13	0	0	1	0	3	3	10	13	1	0	0	0	12	18	1	2	0	0	1	4	14	7	2								
			13	16	1015.0	-	57.6	4.0	12.2	76	8.5	0	2	2	15	12	0	0	1	0	0	4	9	10	7	0	0	0	15	16	0	1	1	3	1	7	7	10	1								
			18	16	1013.3	-	55.3	2.9	12.0	81	7.3	1	5	3	12	10	0	0	0	0	2	3	11	11	4	0	0	2	8	19	2	3	1	0	2	8	10	3	2								
			1	40	1013.2	-	49.7	1.1	11.4	92	6.0	7	5	2	4	13	1	0	1	2	2	3	9	7	6	0	0	1	14	16	0	2	1	1	3	2	17	4	1								
Mildenhall	H	7	40	1013.4	-	48.3	0.8	10.9	92	7.8	0	5	2	8	16	0	2	1	0	2	1	13	3	9	0	0	2	3	25	1	2	2	0	0	2	6	8	6	4								
		13	40	1013.4	-	57.1	4.0	12.2	76	7.9	1	1	7	9	13	0	0	0	0	0	2	8	7	12	2	0	2	14	15	0	2	3	1	0	3	10	10	2									
		18	40	1012.7	-	54.2	2.4	12.3	85	7.1	0	7	2	10	12	0	0	0	0	2	4	10	8	7	0	0	1	9	20	1	3	1	2	2	3	11	6	2									
		9	43	1013.7	-0.1	52.3	2.6	11.3	83	7.4	2	5	3	3	18	-	-	-	-	-	-	-	-	-	-	-	0	9	20	2	1	0	0	2	5	9	7	5									
Cambridge	Cambridge ..	H	21	43	1013.0	-	50.8	1.7	11.3	88	5.8	11	1	2	1	16	-	-	-	-	-	-	-	-	-	-	0	1	7	19	4	0	5	1	4	3	7	7	0								
			1	519	1013.7	-	48.7	1.0	11.0	92	5.9	7	3	5	3	13	0	0	0	1	1	4	12	13	0	0	0	1	10	19	1	3	1	1	0	5	15	5	0								
			7	519	1014.1	-	47.5	0.9	10.6	93	7.3	3	4	2	10	12	1	1	1	1	0	2	10	9	6	0	0	1	6	22	2	1	3	1	1	5	10	6	2								
			13	519	1013.4	-	54.9	3.4	11.5	78	7.8	2	1	6	9	13	0	1	0	1	1	1	9	5	13	0	0	0	15	14	2	2	3	0	1	3	8	11	1								
Bedford	Dunstable	H	18	519	1013.2	-	51.8	1.8	11.7	88	7.3	1	4	5	8	13	0	1	1	0	1	1	15	9	3	0	0	0	12	16	3	3	2	1	1	4	9	8	0								
			9	396	1011.8	-1.9	51.1	1.9	11.1	86	6.7	1	7	3	11	9	0	1	0	2	1	2	17	0	0	0	0	2	23	6	1	2	0	1	2	11	5	3									
			7	12	1014.7	-	51.6	1.5	11.9	90	7.6	2	2	4	14	9	0	1	1	1	1	6	10	4	7	0	0	0	4	26	1	2	0	0	2	2	10	10	4								
			13	12	1014.5	-	58.5	4.0	12.9	77	7.9	0	2	7	9	13	0	0	0	2	0	0	8	1	20	0	0	0	6	24	1	3	1	0	2	6	7	8	3								
Essex	Shoeburyness	H	18	12	1014.0	-	55.3	2.7	12.5	83	7.4	1	4	4	9	13	0	0	0	1	2	3	14	5	6	0	0	1	6	24	0	2	2	2	2	4	10	8	1								
			4 MIDLAND COUNTIES																																												
			Yorks., W. R.	Harrogate	9	478	1011.2	-1.5	50.5	2.7	10.1	81	7.2	0	6	5	11	9	0	1	0	1	2	4	6	2	12	3	0	3	8	20	0	3	0	0	0	3	8	13	4					
						9	215	1012.6	-0.7	49.2	1.9	10.3	86	7.2	2	4	3	8	14	1	0	2	5	8	8	7	0	0	0	0	2	29	0	3	0	1	0	1	9	17	0						
7	542	1013.6				+0.1	47.0	1.2	10.2	91	7.1	0	7	4	8	12	0	1	2	3	6	2	5	3	9	0	0	0	6	25	0	3	1	1	2	5	13	4	2								
13	542	1013.3				-	55.2	4.2	11.1	74	7.9	0	2	6	15	8	0	0	1	0	3	0	3	7	17	0	0	0	11	20	0	0	4	2	1	3	11	9	1								
Warwick	Birmingham	H	18	542	1013.3	-	52.6	2.8	11.1	82	7.7	1	3	5	9	13	0	0	0	3	3	2	10	3	10	0	0	0	6	25	0	2	3	0	1	3	14	6	2								
			9	212	1014.8	+0.4	50.6	2.1	10.7	90	7.3	2	5	3	4	17	0	1	3	0	4	4	5	9	5	0	0	0	8	21	2	2	3	1	2	4	10	7	0								
			9	186	1013.0	-	50.7	2.5	10.6	83	7.6	2	4	3	6	16	0	2	0	1	0	2	2	5	19	0	0	2	11	15	3	2	0	0	3	5	2	15	1								
			7	226	1013.9	+0.6	47.7	1.5	10.2	89	7.1	0	8	2	10	11	0	1	4	2	0	2	4	4	14	0	0	0	2	27	2	3	1	1	1	3	12	7	1								
Hereford	Ross-on-Wye	H	13	226	1013.6	-	56.4	4.5	11.4	73	7.7	1	3	3	14	10	0	0	1	0	2	0	4	7	15	2	0	0	10	21	0	2	3	1	2	1	5	14	2								
			18	226	1013.4	-	52.8	2.7	11.4	82	6.7	0	10	1	12	8	0	1	0	0	3	1	3	9	12	2	0	0	5	26	0	1	3	0	0	4	14	9	0								
			9	230	1014.8	+1.0	52.3	2.1	11.6	86	6.7	2	4	7	9	9	0	0	0	2	5	4	7	13	0	0	0	0	0	28	3	3	2	0	1	3	4	12	3								
			21	230	1014.5	-	50.8	1.3	11.6	90	6.9	0	8	4	8	11	0	0	0	0	0	0	14	17	0	0	0	0	0	31	0	3	2	0	1	3	7	10	5								
5 ENGLAND, S.E.																																															
London	Greenwich ..	H	9	152	1014.8	+0.4	52.9	2.5	11.5	83	7.8	3	3	0	11	14	0	1	0	3	5	4	17	1	0	0	1	9	15	6	2	2	0	1	2	10	7	1									
			15	152	1013.5	-	57.9	4.9	11.8	71	7.5	2	3	5	9	12	-	-	-	-	-	-	-	-	-	-	-	0	13	16	2	3	2	1	1	1	10	9	2								
			21	152	1014.3	-	51.9	2.1	11.4	85	6.6	6	4	1	6	14	-	-	-	-	-	-	-	-	-	-	-	0	10	17	2	2	3	1	0	3	15	4	1								
			h.*	152	1014.1	0.0	52.9																					0	2	10	17	2	2	3	1	0	3	15	4	1							
Kew Obs'y.	H	7	34	1014.7	+0.5	49.7	1.4	11.0	90	8.6	1	2	1	10	17	0	4	3	1	1	3	8	3	8	0	0	0	2	25	4	3	2	1	1	3	9	5	3									
		13	34	1014.1	-	56.9	4.5	11.5	73	8.2	1	1	3	15	11	0	0	0	1	2	4	7	2	15	0	0	0	5	25	1	3	4	0	0	3	8	10	2									
		18	34	1013.7	-	54.6	2.8	12.0	82	7.2	2	4	3	12	10	0	0	1	0	6	8	10	5	1	0	0	0	4	26	1	2	3	1	0	4	11	6	3									
		21	34	1014.5	-	52.1	1.8	11.8	88	5.7	7	5	2	6	11	0	1	2	2	1	6	9	1	9	0	0	0	3	25	3	2	2	1	0	4	13	4	2									
Wisley ..	..	..	9	85	1015.0	-	52.9	2.3	11.5	84	8.																																		

OCTOBER, 1942

*Visibility at Hesketh Park (at 9h. and 15h.): wind at Marshside.

TABLE IV (continued)—Summary of Observations at fixed hours

OCTOBER, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
											0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY				8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																0	1	2	3				4	5	6	7														8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
8b ENGLAND, S.W.—cont.		G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

TABLE III (a)—SKY OBSERVATIONS, OCTOBER, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**		
Persistently overcast days	Number	Recorder in operation on	GREENWICH	PORTON
" cloudless "	1	Average exposure (hours)	31 nights	31 nights
" foggy "	0	Polaris unobscured	11.6	10.3
		(per cent.)	41	37
		8 Urse Minoris (ditto)	35	33

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		Cal./cm. ² /diem.	
Max. (on 15th)	..	423	
Mean	..	94.4	

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

M.O. 461

COPY FOR OFFICIAL USE

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER STREET, BELFAST; or through any bookseller.

VOL. 59. No. 11.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1436 2

NOVEMBER, 1942.—Quiet and dry.

The weather of November was quiet, except in the extreme north of Scotland, and dry apart from a fairly large area in eastern England.

Low pressure to the south and east of the British Isles was associated with heavy rain and local thunderstorms in the eastern districts of England on the 1st, while mainly fair conditions prevailed in Scotland and Ireland. On the 2nd and 3rd a depression over the Bay of Biscay moved quickly north-east and caused further rain, particularly in England. Heavy rain was also reported in a thunderstorm at Point of Ayre, Isle of Man, on the night of the 2nd-3rd. Rain in Ireland and the Hebrides on the 5th was associated with a trough of low pressure extending from a depression near Iceland to the south-west of Ireland. Meanwhile a depression over the western English Channel moving north-east caused considerable rain in England. On the 6th and 7th a deep depression off south-west Iceland moved north-east and an associated trough of low pressure moved east over the British Isles; general rain occurred, heavy in the north and west on the 6th, and showery weather prevailed on the 7th. An anticyclone off our south-west coasts moving eastward maintained fair weather in most districts on the 8th and 9th, but the eastward passage over the country of a trough of low pressure was associated with rain in the west and north on the 9th and 10th. A wedge of high pressure moving south-east over the British Isles on the 11th maintained fair weather, apart from fog, over the eastern half of England. Another trough of low pressure moved slowly eastward over the country in the rear of the ridge and caused some rain in most districts.

Subsequently an anticyclone advanced from the Atlantic and anticyclonic conditions were maintained for the most part until the 27th, though depressions in the far north were associated with considerable rain in the Shetlands on the 13th and 15th and gales in the north from the 14th-16th and on the 19th. On the 21st the anticyclone was centred north-westward of the British Isles and pressure was low to the north-east: a cold northerly air current flowed over the British Isles. By the following morning the anticyclone had spread in over Ireland and screen frost was widespread in Great Britain on the 22nd, and in England and Ireland on the 23rd. On the 27th the anticyclone receded westward and subsequently depressions moved south-east from the neighbourhood of Iceland; there was some rainfall and local wintry precipitation.

Pressure and Wind.—Mean pressure substantially exceeded the average, the excess at 7 h. ranging from 9.5 mb. at Lympne to 15.1 mb. at Tiree. The mean pressure chart shows the highest pressure westward of Ireland and the lowest north of the Shetlands (see chart I). In Scotland winds from between south-west and north-west were more frequent than usual. At many places apart from the extreme north, the month was much quieter than the average, the "run of the wind" being only 61 per cent. of the average at Oxford, 63 per cent. at Kew Observatory, 79 per cent. at Aberdeen, but 109 per cent. at Lerwick. No gales were recorded in Northern Ireland or England and Wales, except at St. Ann's Head on the 6th, when a gust of 57 m.p.h. was also registered. Gales occurred on a number of occasions in the north of Scotland, for example on the 6th, 14th-16th, 19th and 27th. The stormiest periods were the 6th and the 14th-16th; in the gale on the 6th winds gusted up to 50 m.p.h. in Edinburgh and near Glasgow and to 60 m.p.h. in Orkney and 70 m.p.h. in Shetland. Gusts of about 75 m.p.h. and 85 m.p.h. were registered in Orkney and Shetland respectively on the 15th.

Temperature.—Broadly speaking mean temperature over the British Isles was below the average except in the north of Scotland, the deficiency being greatest in the south. The first five days were cold generally and severe frost was also widely registered in Scotland on the 22nd and in England and Wales on the 22nd and 23rd. Screen minima of 20°F. or below were recorded locally in Scotland on the 3rd, 4th and 22nd and in England and Wales on the 22nd and 23rd. Ground frosts occurred very frequently. Among the warmest days were the 6th-11th, 14th-15th and 18th.

The extremes for the month were:—(England and Wales) 60°F. at Fowey on the 8th and 10th, 18°F. at Appleby and Rhayader on the 22nd and at Totnes on the 23rd; (Scotland) 62°F. at Stonehaven on the 14th; 14°F. at Braemar on the 4th; (Northern Ireland) 54°F. at Ballyhalbert on the 6th, 9th and 15th, 26°F. at Aldergrove on the 2nd and at Garvagh on the 3rd, 11th and 12th.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 55 over England and Wales, 34 over Scotland and 28 over Northern Ireland. More than the average rainfall was confined to a fairly large area in eastern England covering most of Lincolnshire and East Anglia and part of the east Midlands. Less than 25 per cent. was received over most of east Scotland and extreme north-east England, much of south-west Scotland, most of Wales and parts of Devon and Cornwall. In Northern Ireland, less than 25 per cent. occurred in the south-east of the Province, the percentages of the average ranging from 18 at Armagh and Aldergrove to 58 at Londonderry. At Armagh Observatory it was the driest November in a record back to 1854. Over Scotland as a whole, with the exception of 1937, it was the driest November on record. At Aberdeen the total was the lowest for November since observations were started in 1871.

Local falls of 1 inch or more were reported daily from the 1st-6th inclusive.

Local thunderstorms were reported from the 1st-3rd and on the 7th.

Sleet or snow occurred locally in the Midlands on the 1st, north-west Ireland on the 3rd and north-east and east England on the 21st. In Scotland snow or sleet were reported on 10 days; falls were widespread, though not heavy, on the 29th and 30th.

Sunshine.—The distribution was variable, but sunshine exceeded the average over most of Scotland, except the north-west and north, Northern Ireland and many places in southern England. At most stations in northern and eastern England and the Midlands there was a deficiency. The mean daily sunshine ranged from less than 1 hour in the Shetlands, the western Highlands and Skye and a small area covering part of Lancashire and adjacent places in the Midlands to more than 3 hours in the neighbourhood of the Firth of Tay, extreme south-west Ireland, Cornwall and the south-east coast of England from Ventnor to Eastbourne.

Fog.—Fog developed frequently, particularly inland in England and especially in large towns. It was persistent locally at times, notably on the 2nd-5th, 11th-12th and 14th. The London area was enveloped in a particularly dense fog belt on the 11th.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 15 nights. Solar halos were noted at Oxford on seven days. A mock moon showing prismatic colour and part of the paraselenic circle were seen at Whitley Bay, near Tynemouth on the 21st. A pale green moon was observed in south-west England on the 17th.

TABLE I—DISTRICT VALUES—

NOVEMBER, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	55	17	+0.3	—	—	52	-1	89	16
Eastern									
1 SCOTLAND, E.	59	14	-0.3	—	—	23	-8	111	27
2 ENGLAND, N.E.	56	23	-0.2	-0.4	+0.4	53	-6	84	19
3 ENGLAND, E.	57	23	-0.7	+1.8	+0.1	101	-4	94	22
4 MIDLAND COUNTIES	56	19	-1.0	+0.8	+0.6	62	-7	98	21
5 ENGLAND, S.E.	58	21	-2.1	+0.3	+0.9	71	-6	103	25

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western	58	17	-0.4	+1.3	+0.5	30	-7	111	23
6 SCOTLAND, W.									
7 ENGLAND, N.W. (and N. Wales)	57	18	-1.3	+0.5	+0.1	27	-8	77	16
8 ENGLAND, S.W. (and S. Wales)	60	18	-2.3	-0.9	+0.5	27	-8	97	24
NORTHERN IRELAND	55	26	—	—	—	22	-8	114	28
MEAN 0, 1, 6	—	—	-0.1	—	—	—	—	104	22
MEAN 2, 3, 4, 5, 7, 8	—	—	-1.3	—	—	—	—	92	21

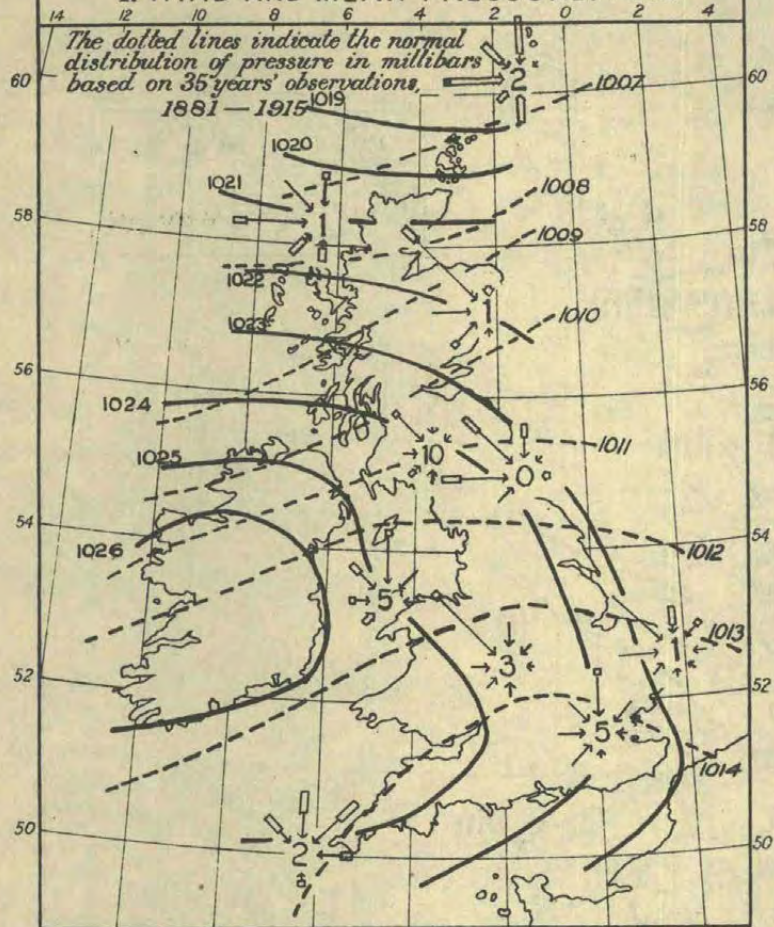
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1942

[1914]

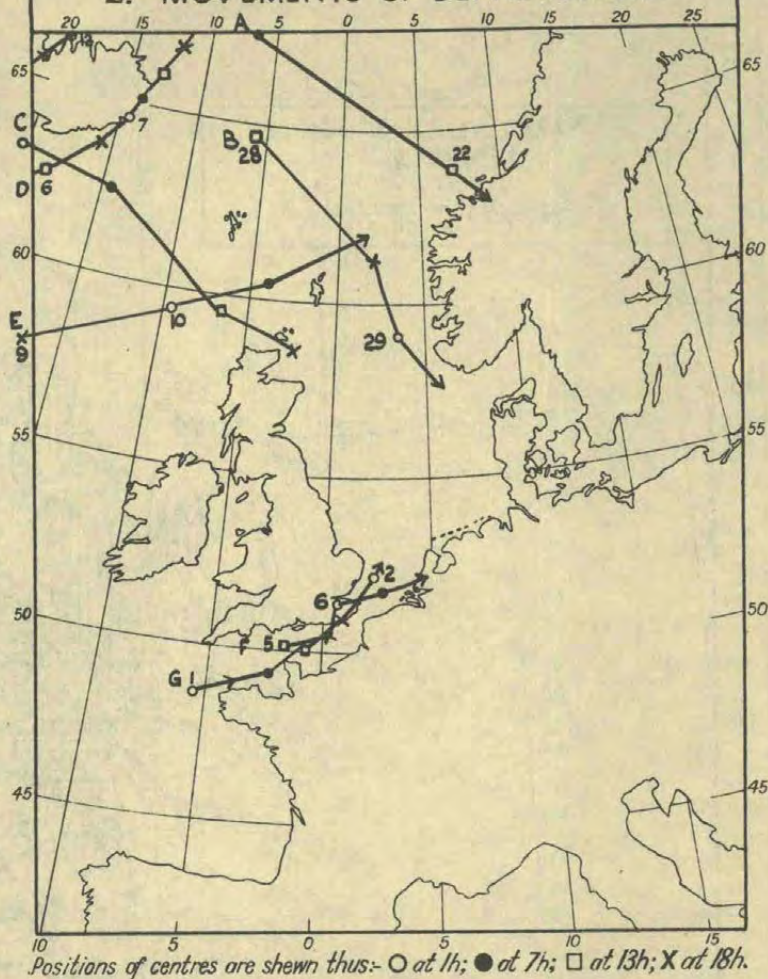
TABLE 11—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1942																				[1914]	
DISTRICT AND STATION		Height			Distribution of Wind ††								Extreme Velocities								
		Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind			Highest Gust					
					Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Hour ended at	Speed	Time				
		ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m
0 SCOTLAND, N.																					
Shetland	Lerwick	310	53	39	6;15;16;19	38	22	226	341	100	15	0	270	52	23	15 10	85	38	15	09	35
Orkney	Kirkwall	170	40	35	6;15	2	8	68	331	296	23	0	290	39	17	15 11	75	33	15	10	35
Hebrides	Stornoway	120	40	36																	
1 SCOTLAND, E.																					
Aberdeen	Aberdeen	120	41	32	—	0	0	0	83	518	119	0	310	21	9	22 20	44	20	6	19	30
Angus	Bell Rock Lighthouse	130	—	126	6	2	17	110	341	220	47	0	220	42	19	6 22	56	25	6	21	55
Edinburgh	Edinburgh	485	39	23	—	0	3	7	268	381	64	0	160	31	14	6 18	50	22	6	19	45
2a SCOTLAND, W.																					
Argyll	Tiree	75	50	42	6	3	10	77	297	260	83	0	170	41	18	6 10	59	26	6	10	30
Renfrow	Paisley	188	81	31	—	0	1	2	55	451	212	0	180	27	12	6 19	50	22	6	18	30
	Renfrow (Abbotsinch)	65	46	34	—	0	1	2	56	306	356	0	190	26	12	6 19	54	24	6	19	00
Dumfries	Eskdalemuir ..	825	50	35	—	0	3	7	105	264	344	0	200	36	16	6 21	56	25	6	20	00
3b ISLE OF MAN																					
Isle of Man	Point of Ayre ..	70	40	35	—	0	10	44	322	294	60	0	320	34	15	6 20	59	26	6	19	45
2 ENGLAND, N.E.																					
Durham	South Shields ..	73	57	44	—	0	1	1	105	491	123	0	340	25	11	16 13	39	17	15	13	10
	Durham	389	53	33	—	0	2	4	125	450	141	0	300	26	12	29 1	46	21	29	01	00
Yorks., N.R.	Catterick	220	45	33	—	0	0	0	19	369	332	0	280	17	8	29 04	38	17	29	03	45
Yorks., E.R.	Spurn Head ..	64	42	34	—	0	0	0	139	482	99	0	230	23	10	6 24	39	17	6	22	25
Lincoln	Cranwell	284	43	33	—	0	0	0													
3 ENGLAND, E.																					
Norfolk	Gorleston	52	42	34	—	0	1	3	102	481	133	1	110	26	12	5 16	47	21	17	05	00
Suffolk	Mildenhall	98	83	58	—	0	0	0	119	516	85	0	320	20	9	6 06	34	15	6	06	10
Bedford	Cardington	285	150	135	—	0	2	4	82	429	191	14	210	27	12	8 01	Defective				
Essex	Shoeburyness ..	115	104	89	—	0	1	1	119	514	86	0	80	26	12	5 12	33	15	6	07	25
4 MIDLAND COUNTIES																					
Leicester	Leicester	385	60	33	—	0	0	0	5	221	424	70	90	16	7	5 23	24	11	6	22	30
Warwick	Birmingham ..	643	118	73	—	0	0	0	98	530	92	0	190	22	10	6 20	35	16	6	19	35
5 ENGLAND, S.E.																					
London	Southgate	222	30	—	—	0	0	0	0	30	690	0	—	9	4	7 01	21	9	6	05	15
Surrey	Kew Observatory ..	92	75	50	—	0	0	0	16	456	248	0	340	16	7	6 05	34	15	6	04	50
	Croydon	313	105	70	—	0	0	0													
Kent	Lympne	418	76	48	—	0	0	0	167	429	124	0	220	23	10	20 01	43	19	6	07	05
	Manston	199	46	40	Defective																
Hants	Calshot	58	50	42	—	0	0	0													
Wiltshire	Boscombe Down ..	462	45	33	—	0	0	0	36	450	234	0	320	19	9	5 24	38	17	5	23	25
	Larkhill	491	51	36	—	0	0	0	74	395	185	66	330	22	10	5 24	36	16	5	23	30
7a ENGLAND, N.W.																					
Lancashire	Fleetwood	112	50	31	—	0	6	17	194	398	111	0	320	27	12	29 12	46	21	7	17	10
	Manchester (Barton)	153	83	80	—	0	0	0													
	Southport	60	42	33	—	0	0	0	136	320	264	0	280	23	10	7 23	43	19	6	22	25
Cheshire	Bidston Obs'y. ..	262	64	39	—	0	0	0	140	362	218	0	270	23	10	30 24	42	19	7	20	35
	Manchester (Ringway) ..	315	80	40	—	0	1	6	78	454	182	0	160	29	13	6 22	41	18	6	19	05
7b NORTH WALES																					
Anglesey	Holyhead	68	43	35	—	0	6	24	275	268	144	9	10	28	13	12 20	47	21	6	17	15
Flint	Sealand	81	65	42	Defective																
8a SOUTH WALES																					
Pembroke	St. Ann's Head ..	212	70	—	6	2	2	18	219	430	50	1	230	40	18	6 19	57	25	6	17	55
8b ENGLAND, S.W.																					
Devon	Plymouth	185	88	65	—	0	1	4	53	455	208	10	—	28	13	6 22	37	17	6	01	05
Cornwall	The Lizard	315	75	60	—	0	6	44	331	311	32	2	230	35	16	6 19	54	24	12	20	20
	Pendennis Castle ..	265	65	42	—	0	6	21	146	438	115	0	250	33	15	6 20	41	18	12	11	50
NORTHERN IRELAND																					
Antrim	Aldergrove	328	60	42	—	0	0	0	36	347	337	0	190	19	9	6 18	40	18	6	17	10
SCILLY ISLES																					
	St. Mary's	230	65	57	—	0	3	26	212	415	67	0	20	32	14	13 04	44	20	13	03	00

MONTHLY WEATHER CHARTS NOVEMBER 1942

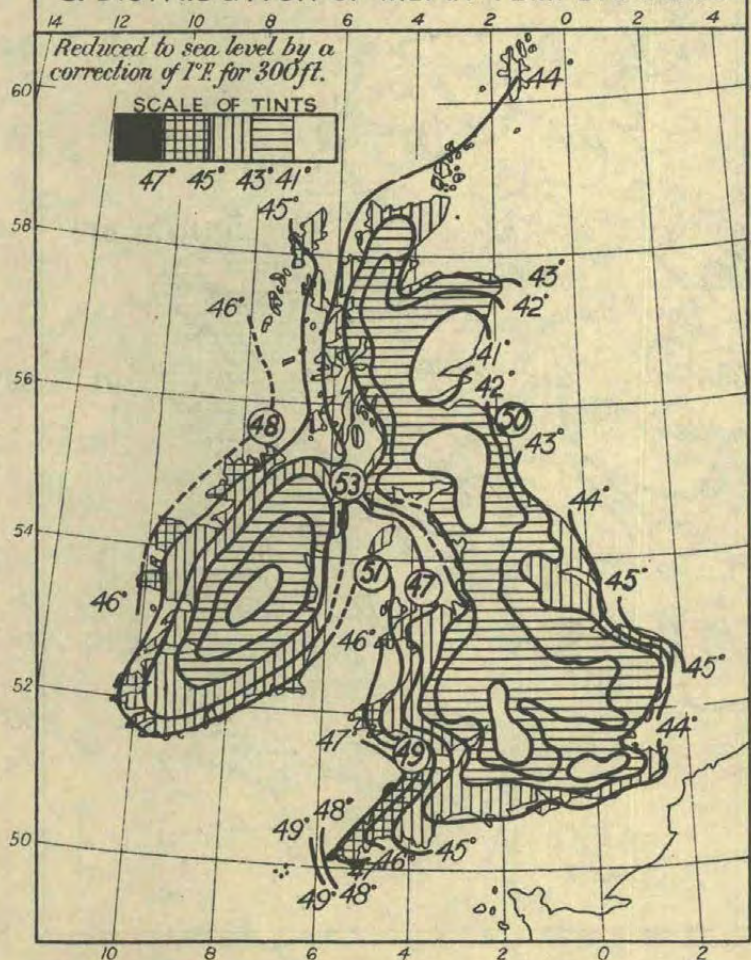
1. WIND AND MEAN PRESSURE. 7.A.M.



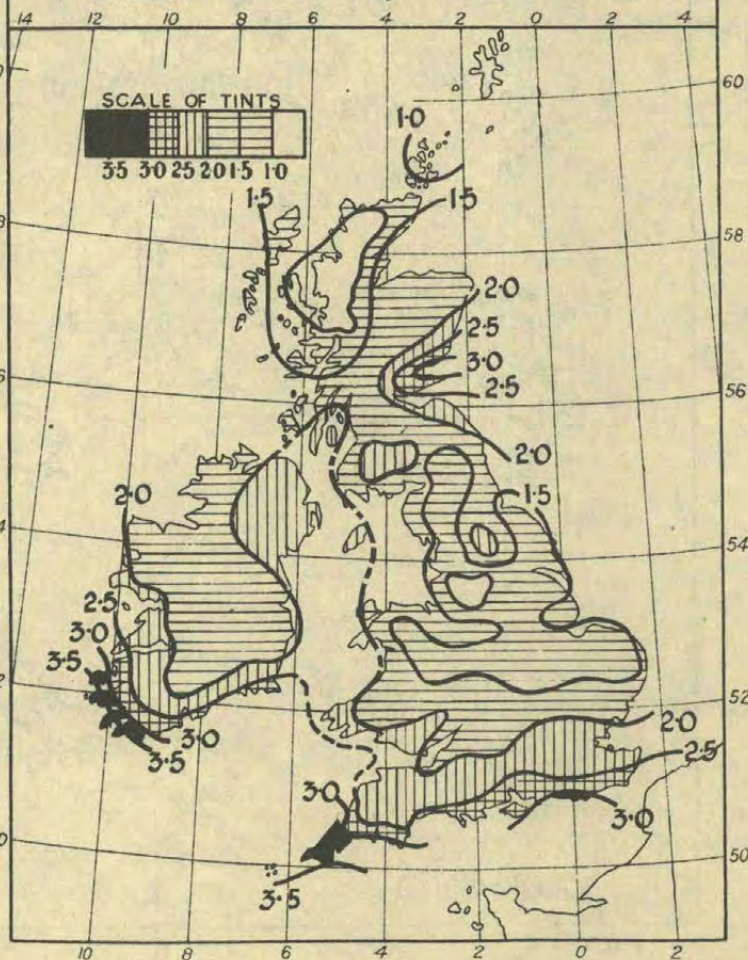
2. MOVEMENTS OF DEPRESSIONS.

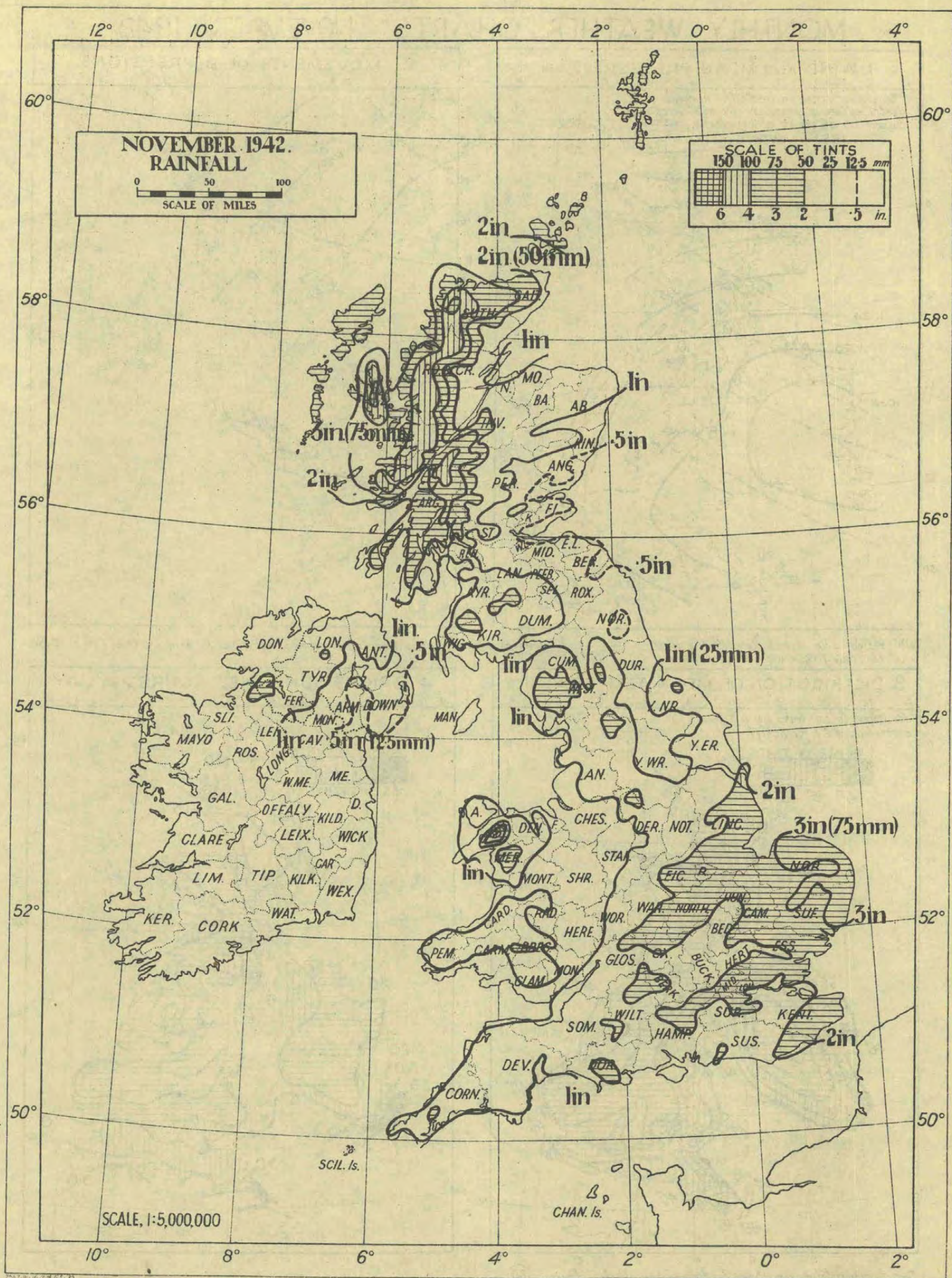


3. DISTRIBUTION OF MEAN TEMPERATURE



4 BRIGHT SUNSHINE, HOURS PER DAY





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

TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

NOVEMBER, 1942

TABLE III.—Summary of Observations of Temperature, Rainfall, Sunshine, &c.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	Per cent- age of Average			Most in a day	Precip'n Total (0.2mm) or more -0.01 (1-0mm) or more	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				A Max.	B Min.		Maximum	Date	Minimum			Date	Daily Mean									of Average	of Poss- ible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Max. Min. Rain	Mean of A and B	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	mm	in	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

NOVEMBER, 1942

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	Per cent of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible						
				A Max.	B Min.		Maximum	Date	Minimum			Date	mm												in	%	in	Date	0.1 in (2.5 mm) or more	0.01 in (0.25 mm) or more
				Max.	Min.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	Date	0.1 in (2.5 mm) or more	0.01 in (0.25 mm) or more	0.001 in (0.025 mm) or more	Snow	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr
6a SCOTLAND, W.																														
Argyll	Ardtornish ..	2121 9	48	49.0	37.9	43.5	-	53	6	25	3	-	-	48	1.89	-	.43	6	19	12	0	0	3	0	-	-	0	-	-	-
	Colonsay ..	9 9 9	87	49.0	37.9	43.5	-	53	6	25	3	-	-	48	1.89	-	.43	6	19	12	0	0	3	0	-	-	0	-	-	-
	Dunoon (Benmore) ..	9 9 9	46	50.1	34.6	42.3	-	58	6	21	3	42.3	45.5	80	3.16	-	1.27	6	13	12	0	0	0	0	4	24	0	1.63	-	20S
	Dunoon ..	9 9 9	132	-	-	-	-	-	-	-	-	-	-	94	3.70	-	1.09	6	9	9	0	0	0	0	-	-	-	-	-	-
	Glenbranter ..	9 9 9	120	47.9	33.8	40.9	-0.7	53	6.9	22	22	-	-	81	3.19	-	1.35	6	15	12	0	0	0	0	0	19	-	-	-	-
	Oban ..	9 9 9	229	48.0	38.6	43.3	-	53	11	30	3	-	-	61	2.39	-	.80	6	15	10	0	0	0	1	0	10	0	-	-	-
Tiree ..	¶ 18-7 7	24	49.2	42.1	45.7	+0.4	53	8.9	35	3	-	-	61	2.39	49	.46	4	20	10	0	0	1	0	0	1	1.60	96	20		
Bute	Rothsay ¶	2121 9	200	47.8	37.6	42.7	-0.5	52	6	30	21,22	43.3	47.0	35	1.37	27	.43	6	14	9	0	0	0	0	1	11	0	2.07	124	25
Dumbarton	Cardross ..	9 9 9	130	49.2	34.7	41.9	+0.8	56	18	25	2,22	-	-	35	1.39	-	.54	6	9	4	0	0	0	0	0	-	0	1.92	119	23S
	Helensburgh ..	9 9 9	293	48.2	35.5	41.9	0.0	54	19	25	22	-	-	34	1.33	24	.44	6	12	5	0	0	0	0	5	-	0	1.80	110	22
Stirling	Balfour ..	9 9 9	342	47.3	32.7	40.0	-	53	15,18	22	22	-	-	26	1.01	-	.53	6	11	4	1	0	1	0	0	-	-	-	-	-
	Stirling ..	9 9 9	151	46.6	34.5	40.5	-1.0	54	9,15	25	4	40.1	46.3	16	.62	-	.41	6	5	4	0	0	0	0	7	20	-	2.20	142	27S
Renfrew	Greenock ..	9 9 9	199	48.2	38.6	43.4	+0.8	55	6	31	22	-	-	39	1.53	25	.64	6	10	5	0	0	0	1	13	4	0	1.38	-	17S
	Paisley ..	2121 9	106	47.4	36.7	42.1	-0.2	54	18	25	4	42.2	48.5	18	.70	17	.39	6	7	3	0	0	0	0	7	13	0	1.49	103	18S
	Renfrew (Abbotsinch) ¶	18-7 7	19	46.8	35.1	40.9	-0.2	54	6	23	2,22	-	-	17	.69	18	.34	6	9	5	0	0	0	0	5	18	0	1.68	114	20
Lanark	Carlisle ..	9 9 9	534	45.8	34.8	40.3	-	52	6,15,18	23	22	-	-	11	.43	-	.24	6	8	3	0	0	0	0	1	17	0	1.50	-	18
	Dungavel ..	9 9 9	798	44.7	32.4	38.5	-0.9	51	18	22	22	-	-	40	1.59	-	.52	6	14	6	0	0	0	0	1	18	0	-	-	-
	Glasgow ..	9 9 9	351	46.3	33.3	39.8	-	54	18	24	4	-	-	21	.81	-	.35	6	11	4	0	0	0	0	-	26	-	0.76	-	9
	(Springb'n Park)																													
Ayr	Auchincruive ..	9 9 9	89	48.9	34.3	41.6	-	54	18	21	22	43.8	48.7	23	.89	-	.30	6	12	5	0	0	0	0	0	20	0	1.87	-	22
	Ayr ..	9 9 9	43	49.3	35.8	42.5	-	57	18	23	22	-	-	21	.81	-	.25	6	11	7	0	0	0	0	0	13	0	1.71	-	21
	Colmonell ..	9 9 9	170	48.5	33.9	41.2	-1.9	54	6	19	22	-	-	21	.82	16	.16	6	15	8	0	0	0	0	0	19	0	-	-	-
	Kilmarnock ..	9 9 9	130	48.5	32.6	40.5	-1.3	55	9,18	21	22	43.4	48.8	24	.96	-	.34	6	13	5	0	0	0	0	3	21	0	1.66	105	20
	Prestwick ..	9 9 9	17	48.7	37.1	42.9	-	55	15	25	22	-	-	15	.58	-	.22	30	9	5	0	0	0	0	7	10	0	1.93	-	23
	Troon ..	9 9 9	15	50.0	37.9	43.9	-	55	8	29	2	-	-	9	.36	-	.14	30	6	2	0	0	0	0	4	(8)	0	1.87	-	23
	Turnberry ..	9 9 9	30	49.2	39.2	44.2	+0.2	54	6,8,18	27	22	-	-	18	.72	21	.29	30	10	5	0	0	0	0	0	0	0	1.83	106	22S
Dumfries	Dumfries ..	¶ 9 9 9	140	47.3	33.9	40.6	-1.1	54	14,15	22	22	44.7	48.6	28	1.09	30	.41	6	9	4	0	0	0	0	6	23	-	1.83	100	22
	Eskdalemuir ¶	242424	794	45.4	30.9	38.1	-0.6	52	14	17	22	43.7	48.0	35	1.39	24	.59	6	13	6	0	0	0	0	4	18	1	2.43	131	29
		18-7 -	-	45.0	33.1	39.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruthwell ..	2121 9	67	47.0	32.9	39.9	-1.6	55	7,14	(21	22)	-	-	19	.74	-	.25	11	7	5	0	0	0	0	-	-	0	1.40	77	17S	
Kirkcudbright	Glenlee ..	9 9 9	181	48.8	33.3	41.1	-	56	14	17	22	-	-	39	1.53	-	.70	6	7	6	0	0	0	0	0	17	0	-	-	-
Wigtown	Newton Stewart	9 9 9	75	47.2	33.0	40.1	-	54	6,9	20	22	-	-	26	1.03	-	.39	6	7	4	0	0	0	0	3	-	0	-	-	-
ISLE OF MAN																														
Isle of Man	Douglas ..	9 9 9	284	48.8	39.1	43.9	-1.2	54	9	27	22,23	-	-	37	1.45	31	.48	11	9	6	0	0	0	0	0	8	0	2.37	108	28
	Point of Ayre ..	18-7 7	30	49.3	42.5	45.9	-	55	9	25	22	-	-	42	1.64	-	1.05	2	8	5	0	0	0	0	2	0	-	0	1.98	-	23
ENGLAND AND WALES																														
2 ENGLAND, N.E.																														
Northumberland	Berwick-on-T. ..	9 9 9	76	47.5	36.5	42.0	-0.8	55	15	28	5,22	-	-	13	.52	24	.19	30	8	5	0	0	1	0	1	9	0	2.38	108	29
	Bellingham ..	9 9 9	849	43.8	32.4	38.1	-1.0	51	9	23	22	-	-	14	.55	16	.13	5	11	7	0	0	0	0	2	-	-	-	-	-
	Cockle Park ..	2121 9	325	47.0	35.9	41.5	+0.1	55	3	28	5	39.8	45.1	16	.63	24	.24	5	9	5	1	0	0	0	14	0	1.98	90	24	
	Newcastle ..	9 9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tynemouth ..	18-7 7	108	46.6	39.4	43.0	-0.9	53	9,18	32	5	-	-	22	.87	41	.31	5	9	6	1	0	0	0	3	2	0	1.71	-	20
Durham	Chopwellwood ..	9 9 9	446	46.3	34.4	40.3	-0.8	55	9	26	22	-	-	15	.58	23	.22	5	11	4	0	0	0	0	2	20	-	1.42	67	17
	Durham ..	¶ 2121 9	336	47.2	35.1	41.1	-0.3	55	14,15	26	19	-	-	17	.66	29	.22	5	14	6	-	-	-	5	7	0	1.66	85	20	
	Houghall ..	9 9 9	160	48.0	33.1	40.5	-1.8	56	14	26	13,19	-	-	18	.70	-	.22	5	9	7	0	0	0	9	19	0	1.30	75	15	
	Ushaw College ..	9 9 9	594	46.1	35.4	40.7	-0.4	54	4	29	5,22	-	-	18	.70	28	.25	5	10	8	0	0	0	0	0	4	-	-	-	-
Yorks., N. Riding	Ampleforth ..	9 9 9	313	46.9	37.1	42.0	+0.3	53	14,15	31	30	-	-	19	.74															

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

NOVEMBER, 1942

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						Total Fall	Per cent of Average	Most in a day	Precip'n				Snow lying	Hail	Thunderstorm	Fog (Morr's Obs.)	Ground Frost	Gale	Daily Mean	Percentage		
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	Amount	Date	0.1 in (0.2 mm) or more	0.1 in (1.0 mm) or more	Snow	of Average	of Possible										
				G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in													
8 ENGLAND, E.																														
Norfolk	Cromer ..	9 9 9	178	49.3	41.0	45.1	+0.6	56	9,10,11	36	29	-	-	72	2.85	121	.85	1	20	8	0	0	0	0	1	0	1.20	55	14	
	Hunstanton ..	9 9 9	105	48.1	40.0	44.1	-0.5	56	6	33	5	-	-	76	2.98	-	.93	1	17	11	0	0	0	0	-	-	1.28	63	15	
	Norwich ..	9 9 9	110	48.1	36.9	42.5	-0.6	57	10	30	23	44.1	-	53	2.09	-	.56	1	19	8	0	0	0	0	-15	-	1.32	63	15	
	Sprowston ..	9 9 9	93	48.1	37.0	42.5	-1.4	55	10	30	14	-	-	70	2.75	-	.85	1	16	10	0	0	0	0	-14	-	1.29	69	15S	
	Terrington ..	9 9 9	13	47.3	36.5	41.9	-	54	7	29	23	-	-	65	2.58	-	.72	2	12	9	0	0	0	0	1	-	1.56	-	18	
	Thetford ..	9 9 9	99	47.5	32.9	40.2	-	55	10	25	23	43.5	47.9	76	3.00	-	.83	2	15	10	0	0	0	0	2	21	-	1.01	-	12
	(Lynford Nursery)																													
Yarmouth ¶	18-7 7	5	48.8	40.8	44.8	+0.1	54	9,10	32	23	47.8	51.5	92	3.63	150	1.08	1	19	14	0	0	1	0	1	1	0	1.59	72	18	
Suffolk	Bungay (Flix'n) ..	9 9 9	79	47.1	36.8	41.9	-1.0	53	7,10	30	23	-	-	79	3.10	-	1.05	1	12	9	0	0	0	0	1	12	-	-	-	-
	Felixstowe Aero.	18-7 7	10	48.9	39.0	43.9	-0.8	56	9	31	24	-	-	59	2.25	110	.74	1	14	7	0	0	0	0	3	4	0	1.78	73	20
	Ipswich, Belstead Hall ..	9 9 9	125	47.3	36.7	42.0	-	54	10	30	26	46.5	50.2	53	2.10	-	.57	1	12	7	2	0	0	0	1	15	0	1.83	-	21
	Lowestoft ..	9 9 9	82	48.5	38.6	43.5	-1.3	55	9	31	23	45.6	49.2	92	3.62	154	1.19	1	21	12	0	0	0	0	1	9	0	1.49	65	17
	Mildenhall ..	18-7 7	15	47.3	36.2	41.7	-	55	7,10,11	27	23	-	-	66	2.59	-	.66	1	13	6	0	0	0	0	11	12	0	1.36	-	16
Cambridge	Cambridge ¶ (Bot. Gdns.)	2121 9	41	47.9	35.3	41.6	-0.3	56	7	26	23	45.4	50.5	56	2.19	113	.62	2	12	8	0	0	0	0	-17	0	1.64	81	19	
	(Univ. Farm) ..	9 9 9	78	46.9	35.8	41.3	-	54	7,9,10	29	14,23	-	-	55	2.18	-	.70	2	13	7	0	0	0	0	12	11	0	1.68	-	19
Bedford	Dunstable ..	18-7 7	516	45.6	36.1	40.9	-	54	7,10	24	23	43.9	49.4	39	1.54	-	.70	5	10	7	0	0	0	0	6	16	0	2.10	-	24
	Luton ..	9 9 9	381	46.2	34.0	40.1	-2.1	53	7	25	22,23	45.3	51.2	41	1.60	-	.56	5	11	7	-	-	-	4	19	-	1.77	92	20	
	Woburn ..	9 9 9	291	46.3	34.4	40.3	-2.0	53	6,7,10	23	22	42.0	49.6	46	1.80	80	.96	5	12	7	0	0	0	0	4	12	-	2.11	102	24
Hertford	Rothamsted ¶	9 9 9	420	45.9	35.1	40.5	-1.6	53	7	26	23	42.7	-	34	1.33	52	.44	1	11	4	0	0	0	0	4	14	0	2.22	100	25
	St. Albans ..	9 9 9	272	47.1	34.3	40.7	-2.2	54	7	25	23	44.0	-	35	1.38	58	.61	5	10	4	0	0	0	0	6	16	-	-	-	-
Essex	Clacton-on-S. ¶	9 9 9	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dovercourt ..	9 9 9	47	48.1	38.1	43.1	-2.1	55	9	31	23	-	-	52	2.03	-	.83	1	8	6	0	0	1	0	4	10	-	1.53	-	17
	Earls Colne ..	9 9 9	160	47.7	36.1	41.9	-2.0	54	7,9,11	29	23	45.2	50.5	58	2.27	-	.64	1	12	7	3	0	2	0	-16	-	-	-	-	-
	Halstead ..	9 9 9	140	47.7	35.0	41.3	-1.4	54	7,9	27	23	-	-	51	2.00	-	.69	1	11	6	0	0	0	0	-	-	-	-	-	-
	Maldon ..	9 9 9	14	48.1	35.8	41.9	-	54	6,7	29	9	-	-	50.0	1.97	-	.86	5	12	12	0	0	0	0	4	-	-	1.77	-	20S
	Shoeburyness ..	18-7 7	11	48.5	37.6	43.1	-1.0	57	9	30	23	-	-	53	2.07	97	.74	5	14	7	0	0	0	0	6	18	0	2.36	107	27
	Walton-on-Naze	9 9 9	35	48.9	37.8	43.3	-2.0	54	10	30	23	-	-	58	2.29	-	.57	2	12	7	-	-	-	-	13	6	-	1.83	82	21
	Writtle ..	9 9 9	105	47.9	34.8	41.3	-	54	7	28	22,23	-	-	54	2.14	-	.96	5	11	7	0	0	0	0	-16	-	-	-	-	-
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	47.1	35.5	41.3	-	54	14	28	23	-	-	28	1.12	-	.50	2	9	6	0	0	0	0	5	14	-	-	-	-
	Bingley ..	9 9 9	610	45.2	37.0	41.1	-	52	9	27	22	-	-	39	1.54	-	.31	30	12	10	0	0	0	0	3	11	-	-	-	-
	Bradford ..	9 9 9	439	45.7	36.8	41.3	-0.4	51	6,8,9	28	22,23	42.8	49.2	34	1.32	39	.26	30	12	9	-	-	-	7	15	-	1.28	95	13	
	Doncaster ..	9 9 9	25	47.9	37.0	42.5	-	54	20	27	14	-	-	35	1.40	-	.56	2	8	6	0	0	0	0	12	-	-	1.25	-	15
	Harrogate ¶	9 9 9	478	46.5	37.9	42.2	+0.7	54	14	30	22	44.0	47.3	31	1.23	45	.32	2	11	10	0	0	0	0	5	18	0	2.15	116	25
	Huddersfield ..	2121 9	325	46.5	37.0	41.7	-0.3	52	7	29	22	43.8	48.9	34	1.33	49	.27	2	10	8	0	0	0	0	-22	17	-	0.62	50	7
	(Oakes) ..	9 9 9	761	45.2	36.8	41.0	-0.9	50	6,8,20	29	22	41.8	46.7	40	1.59	51	.38	30	11	9	0	0	0	0	1	6	13	0	-	-
	Ilkley ..	9 9 9	315	46.1	35.8	40.9	-0.7	51	20	26	22	-	-	40	1.59	-	.29	30	11	10	0	0	0	0	1	12	-	1.72	134	21
	Meltham ..	9 9 9	585	45.9	36.6	41.3	-	51	6	25	22	44.2	-	41	1.60	-	.60	30	13	8	-	-	-	-	-	-	-	-	-	-
	Pontefract ..	9 9 9	255	46.5	38.6	42.5	-0.8	54	9	32	23	-	-	32	1.26	66	.39	2	9	7	-	-	-	-12	4	-	1.44	-	-	17
	Rotherham ..	7 7 7	284	47.0	37.0	42.0	-	54	15	30	14	42.0	-	39	1.55	-	.39	1	9	7	0	0	0	0	7	11	-	1.25	-	15
	Sheffield ..	9 9 9	428	47.3	39.4	43.3	0.0	54	15	32	22	43.5	47.8	37	1.45	51	.34	5	12	6	0	0	1	0	-8	0	1.33	81	15	
	Wakefield ..	9 9 9	124	47.4	37.5	42.5	0.0	54	6,8	30	22,23	43.2	48.5	32	1.27	60	.32	12	14	7	0	0	0	0	8	12	-	0.90	72	10S
Derby	Belper (School) ..	9 9 9	198	48.1	36.1	42.1	+0.4	54	6,7	26	22	-	-	20	0.79	27	.34	1	6	5	0	0	0	0	-	-	-	-	-	-
	Buxton ..	9 9 9	1007	43.7	35.6	39.7	-0.8	49	9	25	22	42.3	46.2	28	1.10	24	.27	1	11	7	0	0	0	0	4	11	0	0.74	52	9S
Nottingham	Attenborough ..	9 9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mansfield ..	9 9 9	357	46.5	36.8	41.7	-1.0	53	15	30	23	-	-	39	1.54	63	.45	1	8	8	0	0	0	0	12	-	-	-	-	-
	Nottingham ¶	9 9 9	192	47.5	37.1	42.3	-0.2	53	7,10	28	22,23	43.3	48.3	35	1.38	73	.55	1	7	7	-	-	-	25	6	-	1.38	91	16	
	Sutton Bonington	9 9 9	157	47.4	34.9	41.1	-1.2	53	7,10	24	22,23	43.2	-	4																

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

NOVEMBER, 1942

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						Total Fall	Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss- ible					
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft	mm.	in.	%	in.	Amount	Date	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss- ible
				°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm.	in.	%	in.	Amount	Date	0.01 in (0.2 mm) or more	0.01 in (0.2 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss- ible
4 MID COUNTIES—cont.																															
Stafford	Market Drayton	9 9 9	581	46.1	34.5	40.3	-	52	7	20	22	-	-	17	.67	-	.24	5	7	5	0	0	0	13	13	-	1.51	-	17		
	Mayfield ..	9 9 9	374	46.9	34.0	40.5	-0.2	55	7	23	22	-	-	19	.76	25	.36	5	8	3	0	0	0	14	-	-	1.71	-	20		
Shropshire	Newport ..	9 9 9	211	46.6	32.1	39.3	-	53	8	19	22	-	-	17	.68	31	.26	12	11	4	0	0	0	4	21	-	1.52	-	17		
	Shrewsbury ..	9 9 9	184	47.5	34.5	41.0	-2.7	55	6	21	22	44.6	50.4	24	.94	-	.23	5, 11	11	5	0	0	0	11	16	0	1.39	-	16		
Worcester	Droitwich ..	9 9 9	106	47.4	33.4	40.4	-	55	7, 8	20	23	-	-	28	1.12	-	.52	5	7	5	0	0	0	9	-	-	1.84	-	21		
	Malvern ..	9 9 9	380	46.3	37.8	42.1	-1.5	52	6, 7	30	22	43.3	48.3	27	1.07	43	.50	5	10	4	0	0	0	5	6	-	2.23	95	25		
	Prestwood ..	9 9 9	260	46.4	33.8	40.1	-	55	8	22	22	-	-	28	1.09	-	.46	5	10	7	0	0	0	14	24	-	-	-	-		
	Worcester (Perdiswell)	9 9 9	94	47.6	33.7	40.7	-2.0	55	7, 10	22	22, 23	-	-	29	1.16	-	.53	5	7	4	0	0	0	18	-	-	1.66	-	19		
Hereford	Bromyard ..	9 9 9	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Hereford ..	9 9 9	292	47.1	34.7	40.9	-1.4	54	8	23	22, 23	-	-	24	.93	37	.42	5	11	5	-	-	-	5	10	-	-	-	-		
	Ross-on-Wye	18-7 7	223	46.7	36.4	41.5	-2.2	54	8	23	23	44.3	49.2	26	1.04	41	.43	5	9	4	0	0	0	8	17	0	2.11	100	23		
Gloucester	Cheltenham ..	2121 9	214	46.2	34.3	40.3	-3.5	54	7	23	23	43.7	50.0	38	1.48	61	.72	5	8	5	1	0	0	13	20	0	-	-	-		
	Parkend ..	9 9 9	325	46.8	33.2	40.0	-	54	7	23	23	43.8	48.2	35	1.38	-	.32	12	13	5	0	0	0	4	23	-	1.71	-	19		
	Stonehouse ..	9 9 9	150	46.9	34.1	40.5	-	56	7, 8	24	23	-	-	36	1.43	-	.70	5	8	5	0	0	0	8	18	-	-	-	-		
5 ENGLAND, S.E.																															
London	City, Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94	111	11			
	Camden Square ..	9 9 9	110	46.9	37.6	42.3	-1.8	55	7	29	23	43.9	49.7	50	1.97	83	.95	5	11	6	0	0	0	14	-	-	-	-	-		
	East Ham ..	9 9 9	15	47.7	37.3	42.5	-1.2	56	7	29	22	-	-	54	2.12	97	1.00	5	10	6	-	-	-	-	-	-	-	-	-		
	Enfield ..	9 9 9	87	47.6	36.4	42.0	-0.9	54	7	30	14	-	-	53	2.09	86	1.07	5	11	5	0	0	0	10	-	-	2.03	112	23		
	Greenwich ..	2424 9	149	47.1	36.5	41.8	-1.9	55	7	27	23	46.6	50.5	54	2.13	93	.99	5	11	6	0	0	0	16	18	0	1.49	94	17		
		21 9 -	-	46.8	37.9																										
	Hampstead ..	9 9 9	450	46.3	34.7	40.5	-2.0	54	7	26	23	-	-	53	2.08	-	1.12	5	13	7	0	0	0	0	19	-	2.04	115	23		
	Kensington ..	18-9 9	80	47.5	38.1	42.8	-1.8	54	6, 7, 10	28	23	49.2	50.3	51	2.03	86	.96	5	10	8	0	0	0	0	16	0	-	-	-		
	Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Regent's Park ..	9 9 9	129	46.8	37.2	42.0	-	54	7, 8, 10	29	23	-	-	49	1.94	-	1.06	5	8	6	0	0	0	0	13	10	-	0.99	-	11	
	Kew ..	2424 24	18	46.9	37.6	42.3	-1.5	55	7	29	23	45.3	50.7	50	1.98	90	.83	5	8	6	0	0	0	0	13	10	-	1.30	101	15	
	Observatory ..	18-7 -	-	46.5	38.3	42.4	-1.9	54	7	28	22	46.7	-	55	2.18	-	1.25	5	12	6	0	0	0	0	5	20	-	2.10	-	23	
	Southgate ..	9 9 9	221	47.7	36.1	41.9	-	54	7	28	22	46.7	-	55	2.18	-	1.25	5	12	6	0	0	0	0	5	20	-	2.10	-	23	
	Tottenham ..	2121 9	54	48.6	38.7	43.7	-0.8	54	7	29	23	-	52.5	55	2.15	94	1.09	5	10	6	0	0	0	0	16	-	-	1.65	109	19	
	Wealdstone ..	9 9 9	195	47.6	34.9	41.3	-	55	7	25	23	-	-	52	2.03	84	1.13	5	9	6	0	0	0	7	15	0	-	-	-		
	Westminster ..	9 9 9	27	48.1	38.2	43.1	-1.8	54	6, 7, 8	28	23	-	-	53	2.09	99	.96	5	11	7	0	0	0	0	6	-	-	0.97	82	11	
Surrey	Addington ..	9 9 9	475	45.7	35.4	40.5	-2.2	53	9	25	23	-	-	49	1.92	-	.71	5	11	7	-	-	-	9	-	-	-	-	-		
	Croydon ..	18-7 7	217	46.8	37.7	42.3	-2.0	57	10	32	23	-	-	51	2.01	74	.86	5	10	7	0	0	0	0	9	9	0	1.57	91	18	
	Farnham ..	9 9 9	260	46.8	33.6	40.2	-	55	23	22, 23	-	-	-	-	49	1.91	-	1.07	5	10	6	0	0	0	14	16	-	-	-		
	Milford ..	9 9 9	180	47.0	32.4	39.7	-	55	7, 10	21	22, 23	-	-	45	1.75	-	.73	5	9	6	0	0	0	0	6	17	-	2.55	-	29	
	Wisley ..	9 9 9	150	46.9	34.5	40.7	-2.5	56	7	24	22, 23	45.1	50.5	49	1.94	88	.94	5	10	6	0	0	0	0	13	19	0	2.05	109	23s	
Kent	Biggin Hill ..	18-7 7	567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Bromley ..	9 9 9	213	47.7	35.5	41.6	-	55	8	24	23	-	-	52	2.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Canterbury ..	9 9 9	135	48.2	36.5	42.3	-1.8	56	(7)	28	10, 23	46.0	49.3	61	2.40	83	.83	5	12	8	0	0	0	0	4	15	-	-	-		
	Deal ..	9 9 9	25	49.8	38.1	43.9	-2.2	57	9	30	23	48.0	52.4	66	2.61	-	.81	5	17	10	0	0	0	1	6	11	-	-	-		
	Dover ..	9 9 9	19	48.3	37.0	42.7	-2.8	56	9	29	23	-	-	67	2.65	84	.83	5	14	10	0	0	0	1	1	-	-	-	-		
	Dungeness ..	18-7 7	20	50.1	37.8	43.9	-1.8	56	7, 8	25	23	-	-	40	1.58	57	.74	5	11	6	0	0	0	1	1	-	-	-	-		
	East Malling ..	9 9 9	132	48.4	34.3	41.3	-2.4	57	9	24	23	-	-	38	1.48	-	.42	5	10	7	0	0	0	1	1	-	-	-	-		
	Goudhurst ..	9 9 9	290	48.1	34.6	41.3	-	55	9	26	23	-	-	49	1.95	-	.49	5	14	7	0	0	0	1	1	22	-	-	-		
	Lympe ..	18-7 7	346	47.4	37.7	42.5	-1.2	54	6, 9	26	23	-	-	71	2.19	69	1.13	1	14	9	0	0	0	1	5	13	0	2.70	117	30	
	Manston ..	18-7 7	154	48.2	40.0	44.1	-	54	1, 9	32	30	-	-	65	2.55	-	.79	5	13	8	0	0	0	1	6	4	0	1.69	-	19	
	Ramsgate ..	9 9 9	80	49.0	39.2	44.1	-1.8	56	9	32	23	-	-	63	2.47	-	.96	5	12	10	0	0	0	1	0	-	-				

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

NOVEMBER, 1942

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine																															
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	Per-centage of Average			Most in a day	Precip'n	Snow lying	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage										
				A Max.	B Min.		Maximum	Date	Minimum												Date	Daily Mean	of Average	of Possible							
				°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in	0.1 in (2.5 mm) or more	0.1 in (2.5 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	hr	%	%		
5 ENGLAND, S.E.—cont.																															
I. of Wight	Newport ..	9 9 9	48	48.4	34.3	41.3	-3.0	55	6	23	23	-	-	34	1.35	-	.55	6	11	4	0	0	0	0	8	19	-	-	-		
	Ryde ..	9 9 9	13	49.2	40.2	44.7	-1.2	55	6,8,10	33	22,23	-	-	25	.97	-	.38	5,6	8	3	0	0	0	0	1	-	0	2.90	121	32	
	St. Catherine's Point	18-7 7	150	49.0	40.9	44.9	-	57	10	31	22	-	-	75	2.97	-	1.05	1	9	7	0	0	0	0	0	0	-	0	-	-	
	Sandown ..	9 9 9	13	49.8	39.1	44.5	-1.6	57	8	29	23	-	-	28	1.12	-	.47	6	8	4	0	0	0	0	0	-	2.86	112	32		
	Totland Bay ..	9 9 9	140	48.3	38.3	43.3	-2.6	56	7,8	29	23	-	-	28	1.12	36	.46	5	8	5	0	0	0	0	0	9	0	2.93	111	33	
Wiltshire	Ventnor (Hospital)	9 9 9	60	49.6	40.7	45.1	-2.0	56	6	32	22,23	-	-	37	1.47	46	.43	6	9	6	0	0	0	1	-	0	3.23	121	36		
	Amesbury (Boscombe Down)	18-7 7	417	46.7	36.0	41.3	-	53	7,9	26	4	-	-	44	1.72	-	.74	5	7	7	0	0	0	0	5	16	0	2.51	-	28	
	Larkhill ..	9 9 9	440	46.2	34.4	40.3	-2.2	53	10	25	4,22,23	-	-	34	1.33	53	.28	6	8	5	0	0	0	0	2	13	0	-	-	-	
	Marlboro' †	9 9 9	424	46.8	31.9	39.3	-2.5	54	9	21	23	44.0	48.5	45	1.77	57	.83	5	8	5	0	0	1	0	4	19	0	1.42	77	16	
	Porton ..	9 9 9	363	46.7	33.1	39.9	-2.3	54	7	24	22	43.5	-	43	1.71	65	.87	5	6	6	0	0	0	0	2	18	0	2.36	103	26	
7a ENGLAND, N.W.																															
Cumberland	Keswick ..	9 9 9	254	47.2	33.7	40.5	-2.3	53	6,9	21	22	49.1	49.9	43	1.70	30	.69	6	8	7	0	0	0	0	2	20	0	1.47	97	17	
	Newton Rigg †	2121 9	560	44.9	32.4	38.7	-1.9	52	7	19	22	-	-	22	.88	25	.19	6	8	7	0	0	0	0	0	14	0	1.45	80	17	
Westmorland	Ambleside ..	9 9 9	145	47.6	32.2	39.9	-	54	9	21	22	-	-	50	1.98	-	.97	6	10	9	0	0	0	0	3	-	-	1.37	-	16	
	Appleby ..	9 9 9	440	44.0	31.3	37.7	-2.2	51	9,15	18	22	-	-	29	1.13	34	.26	2	13	8	0	0	0	0	-	-	-	-	-	-	
Lancashire	Blackpool ..	9 9 9	65	48.1	35.8	41.9	-1.9	54	9	22	22	44.9	49.8	25	1.00	29	.26	11	11	7	0	0	0	0	9	17	-	1.31	69	15	
	Bolton ..	9 9 9	342	47.0	34.6	40.8	-1.7	52	8	23	22,23	43.7	48.2	34	1.34	33	.44	30	14	6	0	0	0	0	-	13	-	0.83	83	10	
	Burnley ..	9 9 9	458	45.2	34.0	39.6	-1.7	51	9	21	22	42.9	48.4	28	1.10	-	.35	30	13	7	0	0	0	0	10	23	-	-	-	-	
	Darwen ..	2121 9	724	44.7	34.9	39.8	-1.3	50	9	26	22	42.0	47.2	38	1.50	31	.64	30	9	6	1	0	0	0	0	6	16	-	1.28	93	153
	Fleetwood ..	9 9 9	21	48.4	36.5	42.5	-	56	8	24	22	-	-	26	1.03	-	.19	6,11	13	9	0	0	0	0	0	12	7	0	1.17	-	14
	Hutton ..	9 9 9	82	47.4	34.5	40.9	-1.4	53	8,9	21	22	43.8	49.9	26	1.01	-	.31	30	7	6	0	0	1	0	-	17	0	0.89	55	10	
	Leyland ..	9 9 9	125	47.3	33.9	40.6	-1.6	53	7,8	20	22	-	-	27	1.07	37	.28	30	9	6	0	0	0	0	0	13	19	-	-	-	-
	Manchester (Burnage)	9 9 9	147	46.6	34.9	40.7	-	53	7	22	22	-	-	23	.92	-	.21	30	14	8	0	0	0	0	0	15	-	0.16	-	1	4
	(Whitworth Pk.)	2121 9	125	46.5	36.4	41.5	-1.9	52	6,7,9	25	22,23	45.3	49.2	24	.96	36	.30	30	12	6	0	0	0	0	0	26	19	0	0.33	36	4
	Morecambe ..	9 9 9	23	47.1	36.0	41.5	-1.9	52	6,9,11	26	22	22	-	-	22	.87	23	.17	11,30	8	6	0	0	0	0	0	12	-	0	1.52	77	18
Nelson ..	9 9 9	540	45.2	34.9	40.1	-	51	9	24	22	22	40.5	47.4	37	1.47	-	.51	30	11	8	-	-	-	-	14	15	-	0.88	-	13	13
Cheshire	Southport (Bedford Rd. Pk.) †	9 9 9	35	48.0	35.0	41.5	-1.7	53	6,7,9	21	22	43.6	47.0	22	.87	28	.28	11	8	6	0	0	1	0	13	14	0	1.30	69	15	
	Stonyhurst †	9 9 9	377	45.5	35.8	40.7	-1.4	51	6,9	25	22	-	-	41	1.61	36	.49	30	13	6	0	0	0	0	3	15	0	1.24	76	15	
	Bidston Obs'y ..	9 9 9	198	47.0	39.5	43.3	-0.6	53	6	31	22	-	-	20	.78	31	.19	11	10	8	-	-	-	-	9	4	0	1.46	72	17	
	Hoylake ..	9 9 9	23	48.8	38.1	43.5	-0.6	55	6	22	22	-	-	19	.73	27	.27	11	11	6	0	0	0	0	0	-	9	-	1.62	82	19
	Macclesfield ..	9 9 9	500	44.4	34.6	39.5	-1.8	50	6,9,10	23	22	-	-	19	.76	26	.13	12	11	8	0	0	0	0	0	18	-	-	-	-	-
Denbigh	Manchester (Ringway) ..	18-7 7	235	45.2	35.7	40.5	-	52	7	22	22	-	-	16	.63	-	.18	12	11	5	0	0	0	0	0	14	16	0	-	-	-
	Warburton ..	9 9 9	68	47.0	33.5	40.3	-	53	7	21	22	-	-	16	.62	-	.16	5,11	9	5	0	0	0	0	0	17	19	-	0.55	-	6
	West Kirby ..	9 9 9	25	47.3	36.3	41.8	-2.5	52	9,10	24	22	-	-	20	.65	25	.18	11	10	7	0	0	0	0	0	0	17	-	1.81	96	21
7b NORTH WALES																															
Flint	Hawarden B'dge	9 9 9	17	49.1	36.1	42.6	-1.5	55	6,8	23	22	-	-	17	.68	-	.20	11	8	6	0	0	0	0	0	10	-	-	-	-	-
	Prestatyn ..	9 9 9	18	50.9	39.0	44.9	-	56	7,14,15	27	22	-	-	15	.59	-	.21	12	6	6	0	0	0	0	0	1	-	-	1.48	-	17
	Rhyl ..	9 9 9	31	49.5	37.3	43.4	-1.7	53	6,9,11	24	22	-	-	15	.59	24	.17	11	10	5	0	0	0	0	0	13	0	1.60	76	19	
	Sealand .. †	18-7 7	16	48.0	37.4	42.7	-0.6	55	9	23	22	45.5	49.7	16	.54	23	.13	11	10	6	0	0	0	0	0	5	15	0	1.24	70	14
Anglesey	Holyhead †	8 8 8	26	50.6	41.9	46.3	-0.8	55	6,8,9	31	22	-	-	22	.85	21	.29	11	7	4	-	-	-	-	-	4	0	1.85	88	21	
	Holyhead (Valley)	18-7 7	32	50.2	39.1	44.7	-	57	16	27	22	-	-	32	1.25	-	.54	10	10	5	0	0	0	0	0	1	12	0	-	-	-
Denbigh	Colwyn Bay ..	9 9 9	118	49.2	40.2	44.7	-1.0	55	6	29	22	-	-	15	.58	-	.15	10	7	6	0	0	0	0	0	-	-	1.84	90	21	
Carnarvon	Aber ..	9 9 9	60	49.7	40.5	45.1	-1.2	57	6	(29)	(22)	-	-	29	1.13	-	.38	11	8	6	0	0	0	0	0	3	0	1.16	81	133	
	Llandudno ..	9 9 9	13	49.9	39.8	44.9	-1.3	57	6	27	22	-	-	21	.83	29	.35	10	11	6	0	0	0	0	0	-	0	1.72	85	20	
Merioneth	Bala ..	9 9 9	535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Montgomery	Lake Vyrnwy ..	9 9 9	750	46.6	34.3	40.5	-	52	6	26	22	-	-	20	.78	-	.26	6	10	7	0	0	0	0	0	13	-	-	-	-	-
	Welshpool ..	9 9 9	254	48.3	32.7	40.5	-1.8	55	7	20	22	-	-	15	.60	21	.22	11	10	5	0	0	0	0	0	4	-	-	-	-	-
8a SOUTH WALES																															
Cardigan	Aberporth ..	18-7 7	376	48.6	40.2	44.4	-	53	3,7,8	29	22	-	-	20	.78	-	.22	11	12	5	1	0	0	0							

TABLE IV—Summary of Observations at fixed hours NOVEMBER, 1942

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
												0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis.	Mod. Vis.	GOOD VISIBILITY	8 or more	7 to 8	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
																	0	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
0 SCOTLAND, N.			G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

TABLE IV (continued)—Summary of Observations at fixed hours

NOVEMBER, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)					DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Via.	Mod. Via.	Good Via.	GOOD VISIBILITY				8 or more	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088

TABLE IV (continued)—Summary of Observations at fixed hours

NOVEMBER, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY									WIND, NUMBER OF OBSERVATIONS																			
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION											
										0	1 to 3	4 to 6	7 to 9	10	FOG				Mist	Poor Vis	Mod Vis	GOOD VISIBILITY					8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
															0	1	2	3				4	5	6	7	8													
8b ENGLAND, S.W.—cont.																																							
Dorset—cont.	Portland Bill	1	37	1024.0	—	45.7	1.4	9.3	89	8.3	0	2	6	5	17	0	0	0	0	0	0	1	21	8	0	0	0	12	18	0	11	4	7	0	0	1	3	4	
		7	37	1023.9	+10.8	45.5	1.4	9.3	89	8.0	0	1	8	9	12	0	0	0	0	0	0	0	22	8	0	0	0	11	19	0	8	9	2	1	2	0	2	6	
		13	37	1023.4	—	48.1	1.6	10.1	88	8.7	0	0	5	9	16	0	0	0	0	0	0	0	15	15	0	0	0	9	21	0	6	9	7	1	0	0	4	3	
		18	37	1023.9	—	47.0	1.6	9.6	87	8.6	0	0	5	9	16	0	0	0	0	0	0	2	17	11	0	0	0	8	22	0	10	8	3	1	0	1	3	4	
Devon	Hartland Pt.	1	305	1024.3	—	46.3	2.4	9.7	90	7.4	0	6	2	13	9	0	0	0	0	0	0	3	14	13	0	0	1	7	22	0	5	9	3	6	1	2	1	3	
		7	305	1024.3	—	45.2	2.2	8.5	82	6.7	1	5	7	11	6	0	0	0	0	0	0	4	10	16	0	0	0	8	22	0	4	10	4	3	3	1	0	5	
		13	305	1024.6	—	48.0	2.9	8.9	78	7.6	0	3	4	20	3	0	0	0	0	0	0	2	9	18	0	0	0	6	24	0	8	12	3	2	0	0	3	2	
		18	305	1024.3	—	47.5	2.8	8.9	80	7.5	0	4	3	19	4	0	0	0	0	0	0	3	12	15	0	0	0	9	21	0	6	11	3	3	1	0	2	4	
	Plymouth (Mount Batten)	7	27	1025.0	+11.3	40.9	1.2	8.3	92	6.7	2	6	3	9	10	0	0	0	1	4	6	10	7	2	0	0	0	2	23	5	2	7	9	3	0	1	1	2	
		13	27	1025.1	—	49.1	3.3	9.1	77	7.3	0	4	4	16	6	0	0	0	0	1	1	6	15	7	0	0	0	6	22	2	4	6	5	4	0	0	5	4	
		18	27	1025.1	—	45.8	1.9	8.6	85	6.1	1	11	2	9	7	0	0	0	1	7	11	8	3	0	0	0	4	23	3	2	9	7	2	1	1	2	3		
		1	240	1024.5	—	46.0	1.8	9.1	86	6.9	0	6	7	6	11	0	0	0	0	0	0	1	6	23	0	0	1	8	20	1	5	16	1	1	2	1	0	3	
Cornwall	The Lizard	7	240	1024.3	—	45.3	1.7	8.9	86	7.2	0	2	13	6	9	0	0	0	0	0	0	4	10	16	0	0	1	10	19	0	8	10	1	2	1	0	0	8	
		13	240	1024.7	—	50.0	3.6	9.2	75	7.5	0	1	10	12	7	0	0	0	0	0	0	1	5	24	0	0	1	11	16	2	5	11	2	2	1	1	3	3	
		18	240	1024.6	—	46.9	2.3	9.0	84	7.9	0	0	6	16	8	0	0	0	0	0	0	9	21	0	0	0	2	10	18	0	10	8	4	1	1	1	4		
		9	185	1024.4	+10.7	44.4	2.0	8.3	83	6.5	1	8	3	8	10	0	0	1	0	0	0	5	7	15	2	0	1	8	21	0	9	2	4	10	3	0	1	1	
NORTHERN IRELAND																																							
Antrim	Aldergrove	7	271	1025.5	—	38.7	1.0	7.3	90	6.4	2	8	1	12	7	0	2	0	0	1	2	4	13	8	0	0	0	1	16	13	2	1	0	0	4	6	1	3	
		13	271	1025.3	—	45.8	2.8	8.2	78	7.9	0	4	2	16	8	0	0	0	0	1	2	5	6	11	5	0	0	3	26	1	3	0	1	0	4	8	5	8	
		18	271	1025.1	—	42.6	1.7	8.0	86	7.4	0	6	3	9	12	0	0	0	0	0	2	3	10	14	1	0	1	1	16	12	1	0	0	0	5	3	4	5	
Armagh	Armagh	9	209	1026.3	+15.1	40.4	1.2	7.7	89	6.9	1	8	3	8	10	0	0	0	1	0	0	8	4	17	0	0	0	2	26	2	2	2	1	0	10	10	1	2	
		21	209	1025.7	—	40.5	1.0	7.8	91	5.7	5	8	1	7	9	0	0	0	0	0	0	2	6	21	0	0	0	4	13	13	1	1	2	0	3	7	4	0	
Selly	St. Mary's..	1	199	1024.7	—	48.1	2.6	9.2	81	7.4	2	3	4	11	10	0	0	0	0	0	0	1	11	18	0	0	1	11	17	1	4	13	3	0	1	2	2	4	
		7	199	1024.6	+11.3	47.7	2.7	9.0	80	7.6	0	5	4	12	9	0	0	0	0	0	0	1	2	20	0	0	2	11	15	2	7	9	5	0	2	0	1	4	
		13	199	1025.1	—	51.4	4.2	9.2	71	7.4	0	3	8	10	9	0	0	0	0	0	0	7	23	0	0	0	7	22	1	4	12	2	3	1	1	2	4		
		18	199	1024.7	—	48.3	2.8	9.1	79	8.0	0	1	7	13	9	0	0	0	0	0	0	1	13	16	0	0	0	12	16	2	7	11	1	2	2	1	1	3	
GIBRALTAR	1	400	1015.9	—	59.1	2.5	14.6	85	6.5	1	7	3	16	3	0	0	0	0	0	0	1	1	12	16	0	0	3	11	13	3	1	9	10	2	1	0	2	2
		7	400	1015.7	—	59.0	2.5	14.6	85	7.1	0	4	7	13	6	0	0	0	0	0	0	2	3	17	8	0	3	15	10	2	0	10	9	2	0	1	5	1	
		13	400	1015.6	—	61.9	3.9	14.7	78	7.8	0	2	5	15	8	0	0	0	0	0	0	0	4	17	9	0	0	17	10	3	1	9	11	2	0	1	3	0	
		18	400	1015.4	—	60.0	2.6	15.2	85	7.2	0	4	7	14	5	0	0	0	0	0	0	0	2	15	13	0	0	13	14	3	0	9	9	3	2	1	3	0	
MALTA	.. ..	1	234	1015.9	—	61.9	4.9	14.0	73	4.4	2	14	4	8	2	0	0	0	0	0	0	0	4	23	3	0	1	10	18	1	2	4	3	1	3	4	6	6
		7	234	1016.0	—	62.3	4.8	14.3	73	5.6	0	13	0	13	4	0	0	0	0	0	0	1	0	16	13	0	2	10	18	0	0	1	3	3	5	5	6	7	
		13	234	1015.2	—	66.5	7.4	14.0	62	5.3	0	11	7	7	5	0	0	0	0	0	0	0	1	10	19	0	0	16	14	0	1	4	2	3	2	6	6	6	
18	234	1015.7	—	62.7	5.1	14.2	72	4.0	2	15	4	7	2	0	0	0	0	0	0	0	0	4	24	2	0	0	10	20	0	1	3	3	2	3	5	10	3		

TABLE III (a)—SKY OBSERVATIONS, NOVEMBER, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**	
Persistently overcast days	2	Recorder in operation on	GREENWICH 30 nights
.. cloudless ..	0	Average exposure (hours)	13.1
.. foggy ..	2	Polaris unobscured	22 nights
		(per cent.)	27
		δ Ursæ Minoris (ditto)	23

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY	
Max. (on 6 th) ..	Cal./cm. ² /diem. 277
Mean ..	52.2

DUPLICATE

Crown Copyright Reserved

M.O. 461

COPY FOR OFFICIAL USE

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: YORK HOUSE, KINGSWAY, LONDON W.C.2; 120 GEORGE STREET, EDINBURGH 2; 39-41 KING STREET, MANCHESTER 2; 1 ST. ANDREW'S CRESCENT, CARDIFF; 80 CHICHESTER ROAD, CHICHESTER. Any bookseller.

VOL. 59. No. 12.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE



3 8078 0007 1439 6

DECEMBER, 1942.—Mainly unsettled, stormy and mild.

Speaking generally the month was mild and very unsettled with frequent gales in the west and north-west. Rainfall exceeded the average in the west and was deficient on the whole in the east.

On the 1st a depression east of the Shetlands moved away east and in its rear cold northerly air spread southward over the British Isles; there was some precipitation in most places and snow showers were widespread in Scotland. Subsequently a ridge of high pressure moved slowly east over the country; a spell of cold weather occurred with some scattered precipitation and local fog, mainly inland. On the 4th and 5th a depression near Iceland moved east-south-east and was accompanied by rain and local gales.

Subsequently very mild and unsettled weather prevailed with frequent rain and gales until the 24th. Throughout this period pressure was low on the North Atlantic and secondary disturbances moved over the British Isles. From the 13th-17th, the Atlantic depressions were unusually deep: gales occurred in the west and north of the British Isles, a strong gale being recorded at Stornoway and gusts of 95 m.p.h. and 93 m.p.h. at Valentia on the 14th. The pressure near the centre of the Atlantic depression on the 16th was roughly 940 mb. We read in the "Press" that in mid-December there were unusually high tidal waves, for example at the Chesil bank, Portland, at Aberystwyth, on the west coast of Ireland and in the Solway Firth, causing considerable damage, extensive flooding and some loss of life. Another exceptionally deep depression (pressure at the centre roughly 932 mb.) was situated over south Greenland on the 19th and during the following days a series of associated secondary depressions moved along our west and north-west seaboard causing further southerly gales on the west coasts and widespread rain.

From the 24th-26th a ridge of high pressure moved eastward over the British Isles; mainly dry weather, with considerable fog prevailed in England but rain occurred at times in the west and north. On the 27th a deep depression moved rapidly north-east from mid-Atlantic to the Faeroes and subsequently moved east and then south-east; some precipitation was reported in the west and north on the 27th and general precipitation occurred on the 28th. In the rear of this depression high pressure became established westward of the British Isles and on the 30th a disturbance moved south-east from the north of Iceland. Mainly northerly winds, strong to a gale locally and widespread but not heavy snow prevailed from the 29th-31st.

Pressure and Wind.—Mean pressure was slightly below the average in Scotland and somewhat above the average in England and Wales. The deviation at 7 h. ranged from -1.7 mb. at Tiree to +2.4 mb. at Lympne; the pressure gradient from north-west to south-east was thus increased and southerly and south-westerly winds predominated. In Scotland there was a seven days' excess of winds between south-east and south-west. The month was windier than usual and gales were frequent and severe at times in the north and west causing much damage. Gales were reported on 16 days at Stornoway, 10 at Lerwick, Duntuilum and Holyhead and 9 at Banff, Edinburgh and St. Ann's Head. Among the highest speeds registered in gusts were 82 m.p.h. at Tiree on the 7th, 84 m.p.h. at Stornoway on the 13th, 95 m.p.h. and 93 m.p.h. at Valentia on the 14th, 86 m.p.h. at St. Ann's Head on the 20th and 80 m.p.h. at Kirkwall on the 28th and at Lerwick on the 29th.

Temperature.—Mean temperature substantially exceeded the average, the excess over the country generally being rather more than 3°F. The period 6th-22nd was exceedingly mild, both day and night temperatures being high. During this spell 55°F. was reached or somewhat exceeded on many occasions. On the other hand the

first four days and the 29th and 30th were cold and locally in eastern districts of England the period 25th-27th was also cold. Severe screen frost was widely registered in Great Britain from the 2nd-4th, among the lowest readings being 12°F. at West Linton, 13°F. at Eskdalemuir and 16°F. at Wolfelee and Thetford on the 3rd and 14°F. at Peebles and 16°F. at Houghall on the 4th.

The extremes for the month were:—(England and Wales) 59°F. at Aber on the 9th, Colwyn Bay on the 12th and Usk on the 13th, 16°F. at Thetford on the 3rd and Houghall on the 4th; (Scotland) 59°F. at Dundee on the 9th, 12°F. at West Linton on the 3rd; (Northern Ireland) 57°F. at Castlerock on the 7th and Armagh on the 24th, 26°F. at Garvagh on the 3rd.

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 107 over England and Wales, 115 over Scotland and 121 over Northern Ireland. In Scotland rainfall exceeded the average on the whole in the western, northern and central districts but was deficient in the east. Locally in the south-west and the western Highlands 150 per cent. of the average or rather more was registered; on the other hand at a few places in the south-east the totals were only about half the average. In England and Wales the distribution was variable, but broadly speaking less than the average occurred over a large area covering north-east England and the north and east Midlands as well as locally in Kent and east Sussex, on the Norfolk coast, in west Cornwall and a narrow strip extending from north Staffordshire to north Montgomery. More than the average occurred generally elsewhere and more than 150 per cent. locally in Cumberland, Glamorgan, Wiltshire and at Holyhead. Less than 50 per cent. was registered in a small area in the West Riding of Yorkshire.

Daily falls exceeding 2 inches were registered locally in the west and north on the 4th, 6th, 7th, 10th and 16th, particularly on the 10th. Among the largest daily falls were 3.85 in. at Ystalyfera (Glamorgan), 3.54 in. at Princetown and 3.41 in. at Brechfa (Carmarthen) all on the 10th.

Thunderstorms were recorded locally at times, for example on the 8th, 13th, 20th and 29th-30th. Those in East Anglia on the 29th-30th were accompanied by snow.

Snow or sleet was widespread in the British Isles between the 28th and 31st. It also occurred locally in Northern Ireland on the 1st and 2nd and at a few stations in England on the 3rd. In Scotland snow fell widely in the first six and last five days of the month. The depth was nowhere very great but 4 inches was reported from the Loch Broom area of Scotland on the 2nd.

Sunshine.—Over the country as a whole sunshine was below the average, the percentage of the average being 91 over both England and Wales and Scotland and 70 over Northern Ireland. The distribution was variable but broadly speaking an excess occurred in south-east and east England and at some places in south Scotland and a deficiency in Ireland, the western districts of England and in north Scotland. In Great Britain the percentages of the average for the districts ranged from 75 in England, N.W. to 115 in England, S.E.

Fog.—Fog developed at times chiefly from the 2nd-4th, 12th, 18th-19th and 25th-27th. It occurred most frequently in England and the Clyde area and was persistent locally and thick at times.

Miscellaneous Phenomena.—The aurora was observed in Scotland on 10 nights; the display on the 9th was seen as far south as Edinburgh and Carlisle. Solar halos were noted at Oxford on 14 days. A line squall was reported at Colgate, near Horsham on the morning of the 5th.

MWRdup

TABLE I—DISTRICT VALUES—

DECEMBER, 1942

[1908, revised 1928 and 1941]

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
0 SCOTLAND, N.	57	19	+2.8	—	—	116	+2	88	9
Eastern									
1 SCOTLAND, E.	59	12	+3.3	—	—	69	+1	98	18
2 ENGLAND, N.E.	56	16		+2.0	+1.4	78	+2	81	14
3 ENGLAND, E.	57	16	+3.1	+2.6	+1.5	104	+2	111	118
4 MIDLAND COUNTIES	57	20	+4.3	+2.7	+1.4	108	+1	90	14
5 ENGLAND, S.E.	58	23	+2.9	+2.6	+1.9	113	+2	115	21

DISTRICTS	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Daily Mean Difference from Average	At 1 ft Difference from Average	At 4 ft Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Percentage of Possible Duration
Western									
6 SCOTLAND, W.	56	13	+3.1	+3.8	+1.7	140	+3	87	12
7 ENGLAND, N.W. (and N. Wales)	59	17	+3.1	+2.7	+1.1	116	+2	77	15
8 ENGLAND, S.W. (and S. Wales)	59	23	+4.0	+2.7	+1.6	105	+3	75	14
NORTHERN IRELAND	57	26	+3.4	—	—	122	+3	70	13
MEAN	—	—	+3.1	—	—	—	—	91	13
0, 1, 6	—	—	—	—	—	—	—	—	—
MEAN	—	—	+3.5	—	—	—	—	91	16
2, 3, 4, 5, 7, 8,	—	—	—	—	—	—	—	—	—

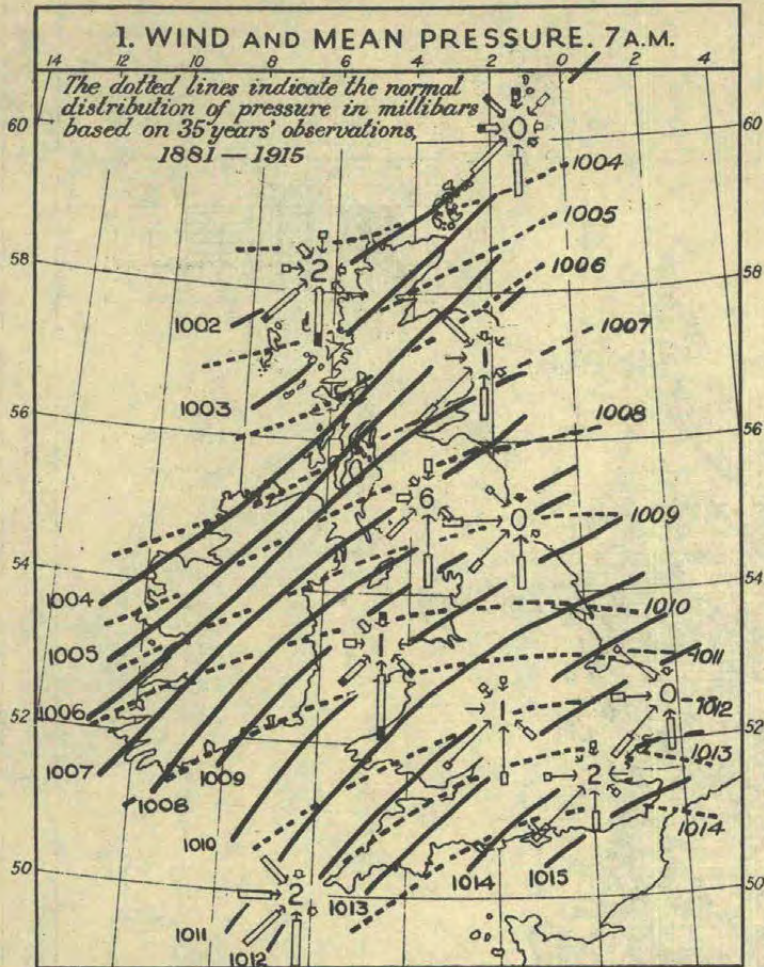
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

DECEMBER, 1942

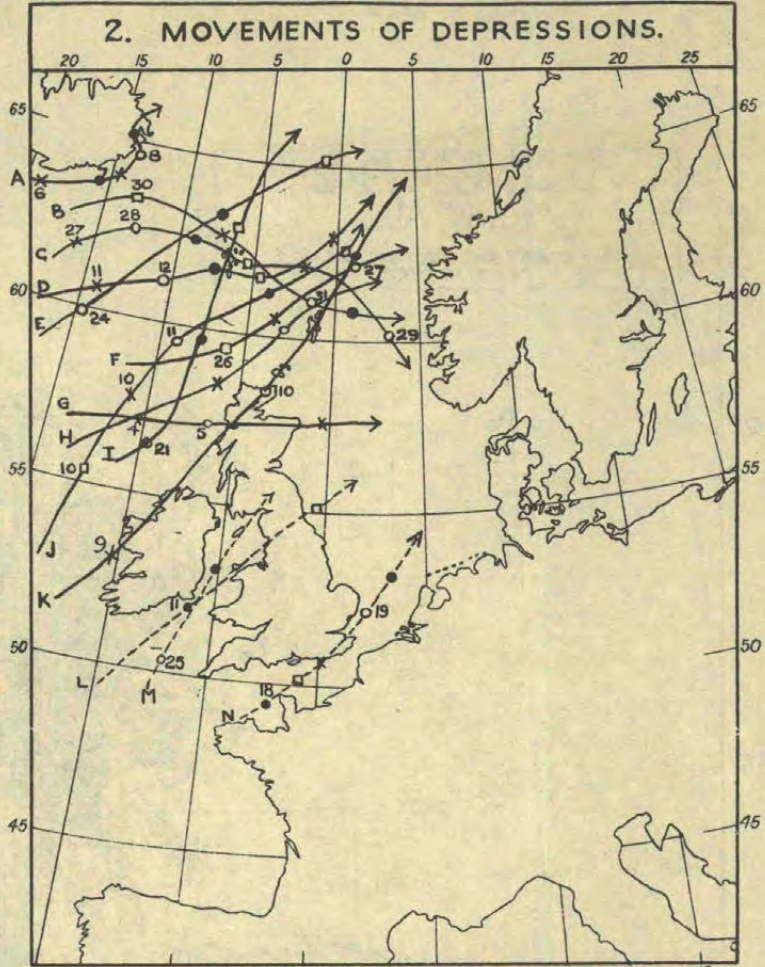
[1914]

DISTRICT AND STATION	Height			Distribution of Wind ††									Extreme Velocities								
	Above Mean Sea Level	Above Ground	Effective Height	More than 38 mi/hr		25 to 38 mi/hr		13 to 24 mi/hr	4 to 12 mi/hr	Less than 4 mi/hr	No Record	Highest Hourly Wind				Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed		Time				
												mi/hr	m/s		mi/hr	m/s	d	h	m		
0 SCOTLAND, N.	ft	ft	ft		hr		hr	hr	hr	hr	hr	°	mi/hr	m/s	day hr	mi/hr	m/s	d	h	m	
Shetland Lerwick	310	53	39	1: 8; 11; 12; 24; 26; 28-31	36	28	298	303	95	12	0	10	55	25	29 01	80	36	29	00	45	
Orkney Kirkwall	170	40	35	16; 28	4	21	167	354	202	17	0	240	42	19	28 17	80	36	28	23	05	
Hebrides Stornoway	120	40	36	7: 9; 11; 13; 14; 19-21; 23-28; 30-31	98	27	228	272	122	24	0	190	58	26	13 23	84	38	13	23	00	
1 SCOTLAND, E.																					
Aberdeen Aberdeen	120	41	32	—	0	4	10	251	402	81	0	320	34	15	29 03	67	30	29	01	50	
Angus Bell Rock Lighthouse	130	—	126	7: 8; 9; 10; 11; 13; 16; 21; 22; 24; 28; 29; 30	70	25	285	289	96	4	0	270	59	26	7 22	79	35	7	21	10	
Edinburgh Edinburgh	485	39	23	10; 11; 24; 30	7	19	136	301	252	48	0	190	44	20	24 07	68	30	9	23	45	
6a SCOTLAND, W.																					
Argyll Tiree	75	50	42	5; 7; 13; 16; 30	20	26	291	310	108	15	0	240	55	25	7 19	82	37	7	18	10	
Renfrew Paisley	188	81	31	—	0	10	43	268	343	90	0	180	36	16	18 13	67	30	13	12	30	
Renfrew (Abbotsinch)	65	46	34	—	0	7	22	201	352	169	0	180	35	16	11 01	65	29	13	13	10	
Dumfries Eskdalemuir	825	50	35	9; 10; 13; 21	8	17	141	228	205	162	0	210	44	20	10 01	77	34	10	00	15	
6b ISLE OF MAN																					
Isle of Man Point of Ayre ..	70	40	35	5; 9; 10; 13; 16; 21	10	25	256	263	191	24	0	240	42	19	9 23	66	29	9	22	15	
2 ENGLAND, N.E.																					
Durham South Shields	73	57	44	—	0	3	23	195	394	132	0	360	40	18	30 05	68	30	30	00	55	
Durham	389	53	33	—	0	10	71	322	284	67	0	240	37	17	7 14	66	29	7	13	50	
Yorks., N.R. Catterick	220	45	33	—	0	2	5	165	400	174	0	230	27	12	21 05	64	29	21	04	05	
Yorks., E.R. Spurn Head	64	42	34	29; 30	15	14	100	375	197	57	0	10	46	21	30 05	70	31	30	04	55	
Lincoln Cranwell	284	43	33	—	0	13	70	360	207	54	53	280	33	15	5 16	57	25	5	17	05	
3 ENGLAND, E.																					
Norfolk Gorleston	52	42	34	—	0	9	53	252	380	59	0	360	34	15	30 09	62	28	30	20	50	
Suffolk Mildenhall	98	83	58	—	0	7	44	359	312	29	0	260	34	15	5 17	52	23	5	17	00	
Bedford Cardington	285	150	135	—	0	15	128	298	233	85	0	200	38	17	11 11	57	25	11	11	00	
Essex Shoeburyness	115	104	89	—	0	11	56	373	266	49	0	180	35	16	13 07	50	22	5	09	25	
4 MIDLAND COUNTIES																					
Leicester Leicester	385	60	33	—	0	1	1	137	409	197	0	160	25	11	5 16	43	19	16	12	00	
Warwick Birmingham	643	118	73	—	0	5	13	310	339	82	0	270	26	12	5 16	53	24	5	14	10	
5 ENGLAND, S.E.																					
London Southgate	222	30	—	—	0	0	0	9	325	410	0	—	16	7	11 12	34	15	11	10	20	
Surrey Kew Observatory	92	75	50	—	0	0	0	247	380	117	0	180	23	10	16 12	57	25	5	08	20	
Croydon	313	105	70	—	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kent Lympne	418	76	48	—	0	7	14	319	372	39	0	220	30	13	11 12	55	25	11	11	15	
Manston	199	46	40	—	0	4	18	244	382	100	0	220	29	13	11 12	50	22	29	19	45	
Hants Calshot	58	50	42	—	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	
Wiltshire Boscombe Down ..	462	45	33	—	0	11	49	344	286	65	0	180	34	15	20 23	57	25	5	07	15	
Larkhill	491	51	36	—	0	8	20	303	293	128	0	340	31	14	20 23	50	22	20	22	25	
7a ENGLAND, N.W.																					
Lancashire Fleetwood	112	50	31	5; 28-30	9	19	155	481	93	6	0	330	42	19	5 16	62	28	5	13	25	
Manchester (Barton)	153	83	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Southport	60	42	33	5	2	9	54	270	375	43	0	270	41	18	5 13	55	25	5	12	50	
Cheshire Bidston Obs'y. ..	262	64	39	5	3	15	76	322	296	40	7	290	43	19	5 14	72	32	7	16	45	
Manchester (Ringway) ..	315	80	40	10	1	16	103	393	216	31	0	150	39	17	10 21	69	31	16	10	50	
7b NORTH WALES																					
Anglesey Holyhead	68	43	35	5; 16; 29	8	20	172	293	206	26	39	280	45	20	5 14	63	28	16	10	05	
Flint Sealand	81	65	42	Defective	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8a SOUTH WALES																					
Pembroke St. Ann's Head ..	212	70	—	9; 10; 12; 13; 16; 20; 21; 30; 31	54	24	253	283	118	36	0	220	48	21	13 08	86	38	20	01	00	
8b ENGLAND, S.W.																					
Devon Plymouth	185	88	65	9; 10; 12; 13; 16; 20	24	16	146	209	230	120	15	—	51	23	16 08	67	30	16	06	20	
Cornwall The Lizard	315	75	60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pendennis Castle ..	265	65	42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
NORTHERN IRELAND																					
Antrim Aldergrove	328	60	42	—	0	8	36	281	342	85	0	140	37	17	16 09	56	27	16	09	40	
SCILLY ISLES																					
St. Mary's	230	65	57	12; 16; 20	6	17	152	424	133	29	0	170	42	19	16 06	76	34	10	09	55	

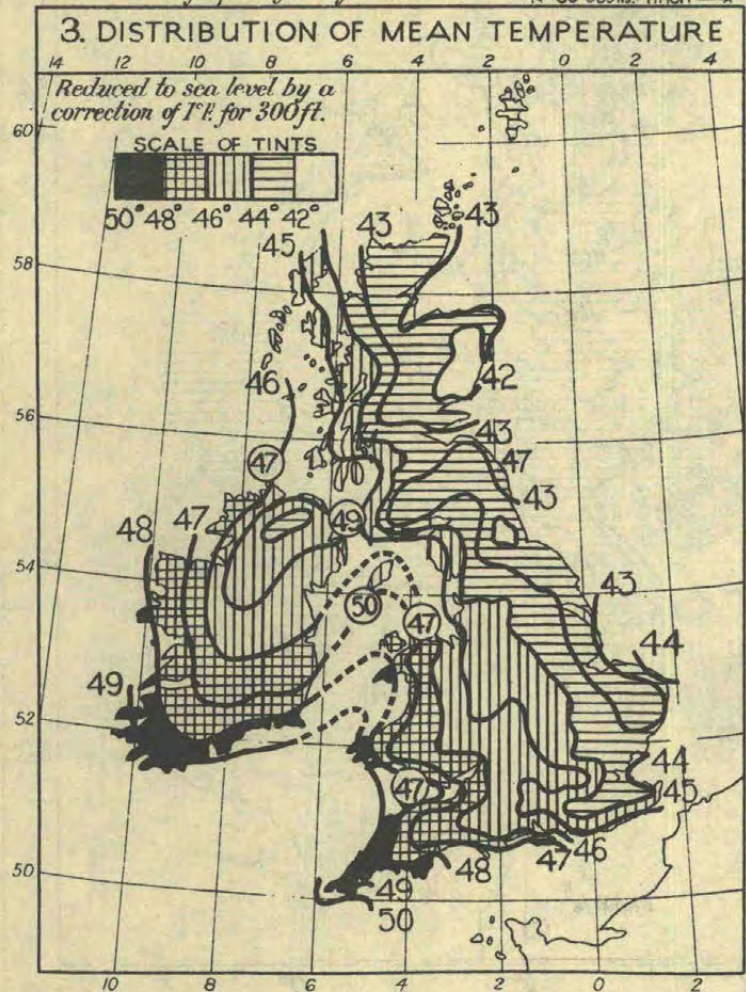
MONTHLY WEATHER CHARTS DECEMBER 1942



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



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



Sea temperatures are shewn by figures in circles, thus: (50)

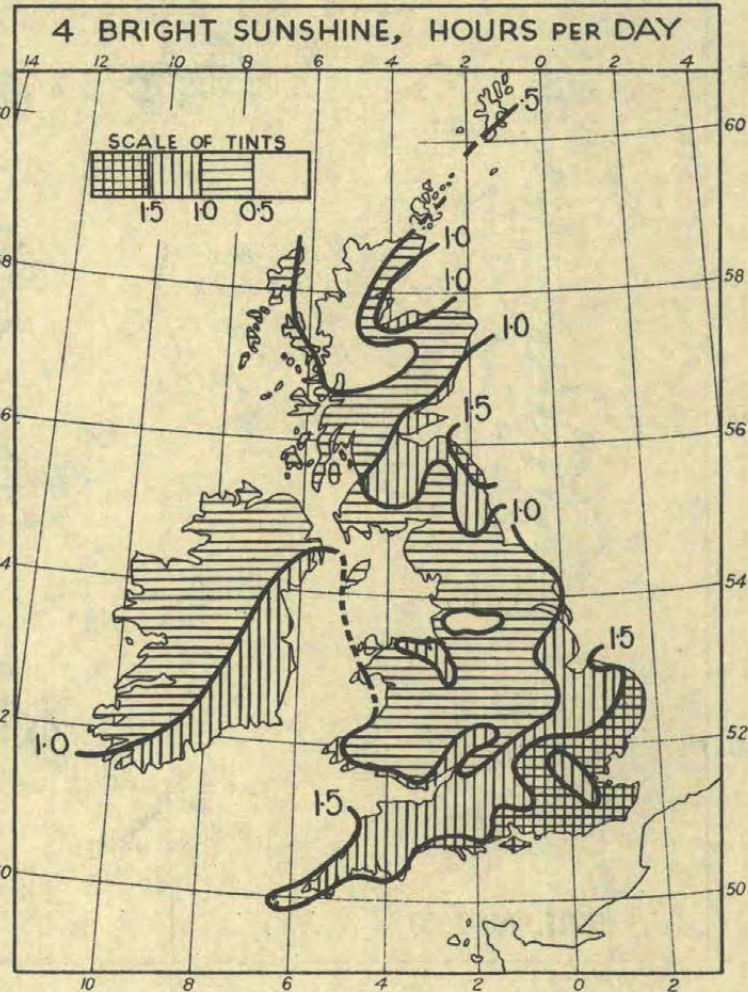


TABLE III—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

DECEMBER, 1942

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	Per centage of Average			Most in a day	Precip'n or more (0.2 mm)	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage																	
					A Max.	B Min.		Maximum	Date	Minimum			Date	Amount									Date	Daily Mean	of Average	of Possible														
					*F	*F	*F	*F	*F	*F		*F	*F	mm	in	%	in							hr	%	%														
0 SCOTLAND, N.																						SCOTLAND																		
Shetland	Baltasound ..	9 9 9	31	45.8	37.5	41.7	+1.6	51	8	24	1	42.2	-	146	5.73	108	.71	7	31	26	8	5	4	0	0	-	3	0.25	72	4										
	Lerwick Obsy. ¶	9 9 9	269	45.3	37.8	41.5	+1.6	52	9	24	1	-	-	140	5.51	115	.65	7	27	24	5	3	3	-	2	6	10	0.40	100	7										
	Sumburgh (Links)	18-7 7	19	46.0	41.2	43.6	-	52	9	26	1	-	-	121	4.75	-	.60	9	29	24	6	5	4	0	0	5	6	0.40	100	7										
Orkney	Kirkwall ..	¶ 9 9 9	113	46.1	39.2	42.7	+2.4	52	23	29	30	42.5	-	119	4.69	108	.69	9	26	21	6	3	2	0	0	7	2	0.62	86	10										
Hebrides	Skallary ..	101010	30	48.4	-	-	-	54	8,9,23	-	-	-	-	255	10.03	-	.88	6	31	29	-	-	-	-	-	-	-	-	-	-	-									
	Stornoway ¶	18-7 7	79	47.8	40.1	43.9	+2.2	54	8,9,23	26	2	-	-	196	7.73	130	1.45	4	27	23	4	6	3	0	0	8	15	0.51	71	8										
Skye	Duntulm ..	9 9 9	294	48.1	40.3	44.2	-	54	9,21	31	1	-	-	227	8.92	-	1.01	21	27	25	3	0	0	0	0	8	10	0.46	-	7										
Caithness	Wick ..	18-7 7	115	44.7	39.0	41.9	+1.0	53	9,23	27	1,3	-	-	91	3.59	117	.68	7	21	15	6	3	3	0	0	7	5	-	-	-										
Sutherland	Cape Wrath ..	18-7 7	367	47.1	39.5	43.3	-	56	21	36	29,30	-	-	162	6.38	-	.93	10	26	24	4	5	6	0	0	5	9	-	-	-										
Ross & Cromarty	Achnashellach ..	9 9 9	225	49.1	36.8	42.9	+4.2	57	21,23	23	3	-	-	293	11.53	115	1.69	6	26	26	7	4	0	0	0	-	0	-	-	-	-									
	Fortrose ..	9 9 9	69	48.1	37.6	42.9	+3.4	56	21	29	1,2,30	-	-	73	2.87	-	.50	22	23	14	4	6	1	0	0	-	0	0.99	86	15										
Inverness	Dalwhinnie ..	18-7 7	1176	42.0	35.6	38.8	-	52	8	19	3	-	-	218	8.59	-	1.36	16	27	24	5	4	0	0	0	13	0	0.33	-	58										
	Ft. Augustus ¶	9 9 9	68	48.5	37.5	43.0	+4.3	55	21	25	3	-	-	194	7.65	132	1.65	7	25	22	2	2	0	0	0	-	3	0.42	102	68										
	Ft. William ¶	9 9 9	34	49.5	39.5	44.5	+4.9	57	21	26	3	43.3	45.9	359	14.14	139	1.74	6	25	24	2	2	3	0	0	6	0	0.13	54	28										
	Inverness ¶	9 9 9	242	48.0	37.7	42.9	+3.6	55	7,10,21	28	1,2	-	-	66	2.58	96	.59	22	21	17	5	2	0	0	0	6	0	0.89	82	13										
	Onich ..	9 9 9	48	49.9	39.1	44.5	-	56	7,10,21	26	2,3	-	-	353	13.90	150	1.58	6	26	25	3	2	0	0	0	14	0	0.38	51	68										
1 SCOTLAND, E.																																								
Nairn	Nairn ..	¶ 9 9 9	20	49.0	37.9	43.5	+4.2	57	8	30	2	-	-	53	2.07	93	.53	22	19	14	7	1	3	0	0	16	1	1.06	90	16										
Moray	Forres ..	9 9 9	155	48.4	36.7	42.5	-	56	8,9,23	27	3	-	-	54	2.13	-	.59	22	18	12	3	1	0	0	0	18	0	1.12	-	17										
	Gordon Castle ..	2121 9	104	48.6	36.8	42.7	+3.6	57	7	28	29	-	-	57	2.24	83	.42	5	19	16	2	1	0	0	-	-	-	-	-	-										
Banff	Banff ..	9 9 9	130	47.1	37.3	42.2	+2.9	55	9	30	1,3,31	-	-	82	3.24	125	1.05	4	21	15	4	0	0	0	0	7	9	0.91	96	14										
Aberdeen	Aberdeen ¶	242424	79	47.0	38.9	42.9	+3.2	55	7	29	29	41.2	43.8	53	2.09	65	.48	10	19	10	4	4	0	0	0	10	1	1.00	83	15										
	Balmoral ..	9 9 9	927	45.0	33.5	39.3	+3.8	54	7	18	3	-	-	81	3.21	95	.52	15	21	13	2	4	0	0	-	17	0	-	-	-										
	Braemar ..	2121 9	1111	44.4	33.5	38.9	+3.5	53	7	19	3	-	-	121	4.77	134	.86	10	25	19	5	6	0	0	0	18	-	0.45	-	75										
	Craibstone ..	9 9 9	300	45.5	36.0	40.7	+2.2	55	7	27	1,3	40.6	42.8	49	1.92	58	.32	17	20	11	4	6	1	0	-	23	-	1.16	84	17										
	Tarland ..	9 9 9	540	45.2	33.6	39.4	-	55	7	25	3,4,25	-	-	46	1.81	-	.36	5	17	11	4	5	0	0	-	4	-	-	-	-										
	Stonehaven ..	9 9 9	12	49.2	34.5	41.9	-	58	7	27	4	-	-	51	1.99	-	.44	4	23	11	2	0	0	0	0	-	0	0.79	-	12										
Angus	Arbroath ..	9 9 9	93	47.2	35.9	41.5	+2.1	56	7	27	3,4	-	-	50	1.95	77	-	-	16	11	-	-	-	-	-	-	-	1.15	88	17										
	Carnoustie ..	9 9 9	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	Dundee ..	¶ 9 9 9	147	48.6	34.8	41.7	+2.8	59	9	23	4	40.1	-	45	1.78	71	.41	10	19	13	3	0	0	0	-	20	0	1.25	89	18										
	Kettins ..	9 9 9	218	46.6	35.2	40.9	+3.4	54	7,10,21	21	3,4	39.5	-	75	2.93	89	.81	10	18	13	2	0	1	0	1	14	6	-	-	-										
	Montrose ..	9 9 9	16	47.0	36.7	41.9	+2.4	56	7	25	4	-	-	55	2.17	-	.49	4	18	12	4	2	0	0	0	0	0	1.13	79	17										
Perth	Perth ..	9 9 9	76	48.1	36.9	42.5	+4.3	56	7	21	3,4	-	-	51	2.00	62	.41	10	20	13	1	0	0	0	-	8	1.00	92	14											
Fife	Cupar ..	9 9 9	210	47.1	36.8	41.9	+3.0	55	10	25	3	-	-	62	2.43	-	.43	4	23	15	2	1	0	0	-	0	-	-	-	-										
	Dunfermline ..	9 9 9	237	47.4	36.9	42.1	-	54	6,10,21	24	2,3,4	42.0	44.7	42	1.64	-	.19	17	18	13	2	1	0	1	2	17	0	1.67	-	24										
	Kirkcaldy ..	9 9 9	137	46.9	34.6	40.7	+0.4	57	7	22	3	-	-	46	1.80	-	.48	4	18	12	2	0	0	0	-	0	-	1.15	-	17										
	Leuchars ..	18-7 7	36	46.5	38.7	42.6	+3.1	56	10	26	2,4	-	-	43	1.67	68	.36	10	17	10	3	1	0	0	0	13	1	1.32	92	19										
	Lundin Links ..	9 9 9	40	47.9	36.9	42.4	-	53	6,7,10	23	2	-	-	38	1.51	-	.35	4	15	13	1	0	0	0	1	-	0	1.03	-	15										
	St. Andrews ..	9 9 9	13	47.9	37.0	42.5	+3.2	56	7	26	3	44.3	44.9	52	2.06	79	.37	4	15	11	2	0	0	0	0	9	1	1.27	99	18										
	Balerno ..	9 9 9	750	45.9	37.1	41.5	-	53	6	25	2	-	-	71	2.78	-	.60	4	20	16	1	1	0	0	0	0	12	0	1.39	-	20									
Mid Lothian	Edinburgh—																																							
	Blackford H. ¶	2121 9	441	48.1	38.8	43.5	+3.6	55	7,10,11	27	3	-	-	30	1.19	51	.29	7	18	11	2	0	1	1	0	8	9	1.62	118	23										
	Botanic Garden	9 9 9	74	49.0	37.1	43.1	-	56	6,10,21	21	4	-	-	31	1.21	-	.31	7	18	9	2	0	1	1	4	15	-	1.36	-	19										
	Univ. King's B.	9 9 9	225	48.4	37.9	43.1	-	57	7	25	3,4	40.5	44.0	39	1.52	-	.26	7	18	11	-	-	-	-	-	-	-	-	-	-										
	Boghall ..	9 9 9	639	46.3	36.6	41.5	+3.0	55	7	23	4	39.9	42.7	45	1.77	-	.29	4	21	13	3	5	1	1	0	13	-	1.39	110	20										
	Liberton ..	9 9 9	190	48.0	37.3	42.7	-	56	7	22																														

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

DECEMBER, 1942

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	Per-centage of Average			Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	Percentage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				A Max.	B Min.		Maximum	Date	Minimum														Date	Amount	Date	30 in (0.2 mm) or more	30 in (1.0 mm) or more	Snow	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Cale	Daily Mean	of Average	of Possible																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
6a SCOTLAND, W.		G.M.T.	ft	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	mm	in	%	in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

DECEMBER, 1942

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	Per centage of Average			Most in a day	Precip'n		Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Percentage								
				A Max.	B Min.		Maximum	Date	Minimum			Date	4 in (0.2 mm) or more		4 in (1.0 mm) or more	Daily Mean							of Average	of Possible							
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in								hr	%	%		
3 ENGLAND, E.																															
Norfolk	Cromer ..	9 9 9	178	47.6	39.7	43.7	+3.0	55	7	30	3	-	-	51	1.99	79	.57	18	20	13	3	1	2	0	0	10	0	1.54	107	20	
	Hunstanton ..	9 9 9	105	48.2	38.1	43.1	+2.8	54	9,11,22	26	3	-	-	48	1.90	-	.32	4,13	17	10	2	-	0	0	3	-	-	1.53	93	20	
	Norwich ..	9 9 9	110	46.9	37.5	42.2	+2.3	54	11,14,21	23	3,4	41.5	-	48	1.90	-	.47	18	20	13	2	1	1	1	-	13	-	1.65	122	22	
	Sprowston ..	9 9 9	93	46.7	38.4	42.5	+2.2	54	11,14,22	21	4	-	-	57	2.24	-	.47	18	18	14	3	0	0	0	0	-	10	-	1.47	95	198
	Terrington ..	9 9 9	13	47.9	37.1	42.5	-	56	9,17	24	3,4	-	-	46	1.81	-	.43	4	15	13	2	2	0	0	0	8	-	1.38	-	18	
	Thetford ..	9 9 9	99	47.3	-	-	-	57	11	16	3	41.7	44.5	66	2.61	-	.48	18	20	12	3	0	0	0	0	17	-	1.19	-	15	
	(Lyndon Nursery)																														
	Yarmouth	18-7 7	5	46.8	40.0	43.4	+2.5	55	21	28	3	44.1	47.7	58	2.27	93	.78	18	19	12	3	0	1	1	0	5	0	2.02	151	26	
Suffolk	Bungay (Flix'n) ..	9 9 9	79	46.4	37.9	42.1	+2.8	54	11	22	4	-	-	57	2.24	-	.71	18	14	12	2	3	1	0	0	10	-	-	-	-	
	Felixstowe Aero.	18-7 7	10	46.8	40.7	43.7	+3.0	53	11	29	3	-	-	58	2.27	108	.56	18	19	11	3	1	0	1	0	4	0	1.93	99	21	
	Ipswich, Belstead																														
	Hall ..	9 9 9	125	46.9	38.4	42.7	-	55	11	27	3	43.8	46.7	65	2.58	-	.48	18	20	15	4	2	0	1	0	10	0	1.70	-	22	
	Lowestoft ..	9 9 9	82	46.9	38.2	42.5	+1.8	54	11,21	25	3	42.8	45.7	61	2.42	104	.80	18	17	13	3	2	1	0	2	8	0	1.65	109	22	
Mildenhall ..	18-7 7	15	47.2	39.5	43.3	-	56	11,22	25	3	-	-	50	1.96	-	.44	18	16	10	4	2	0	0	3	13	0	1.22	-	16		
Cambridge	Cambridge	18-7 7	41	47.9	38.4	43.1	+3.2	55	21,22	24	3	43.6	47.2	48	1.91	99	.33	4	17	13	3	2	1	0	-	15	0	1.30	86	17	
	(Bot. Gdns.) (Univ. Farm)	9 9 9	78	47.5	38.5	43.0	-	55	21	26	3	-	-	47	1.85	-	.40	4	19	12	2	2	0	0	1	8	0	1.14	-	15	
Bedford	Dunstable ..	18-7 7	516	46.6	39.2	42.9	-	54	21	28	2	43.5	46.7	59	2.34	-	.41	5	21	15	2	1	0	0	3	10	0	1.67	-	22	
	Luton ..	9 9 9	381	47.6	39.0	43.3	+4.2	54	21	25	3	44.7	48.1	65	2.55	-	.53	4	20	15	-	-	-	-	2	8	-	1.49	110	19	
	Woburn ..	9 9 9	291	47.8	39.5	43.7	+4.0	54	13,21	24	3	42.9	47.2	58	2.27	97	.43	4	19	17	3	0	0	0	1	5	-	1.66	138	21	
Hertford	Rothamsted	18-7 7	420	46.3	38.3	42.3	+3.0	53	13,21	26	3	42.7	-	73	2.87	103	.55	4	21	15	2	0	0	0	3	10	0	1.44	101	18	
	St. Albans ..	9 9 9	272	47.6	37.5	42.5	+3.7	57	9	24	3	43.2	-	63	2.47	98	.53	4	18	15	2	0	0	0	3	11	-	-	-	-	
Essex	Clacton-on-S.	9 9 9	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dovercourt ..	9 9 9	47	47.1	39.0	43.1	+3.0	53	8,11,22	29	3,30	-	-	73	2.88	-	.53	18	16	13	4	-	0	0	1	9	-	1.77	-	23	
	Earls Colne ..	9 9 9	160	47.0	38.3	42.7	+3.2	53	8,11,22	26	3	43.6	47.1	72	2.84	-	.39	18	18	17	3	2	1	0	-	14	-	-	-	-	
	Halstead ..	9 9 9	140	47.6	37.7	42.7	+2.9	54	8,11,21	23	3	-	-	71	2.78	-	.43	4	18	17	2	2	0	0	-	-	-	-	-	-	
	Maldon ..	9 9 9	14	48.4	37.9	43.1	-	56	11,21	25	3	-	-	56	2.22	-	.41	4	18	15	2	1	1	0	2	-	-	1.60	-	208	
	Shoeburyness	18-7 7	11	47.5	40.7	44.1	+3.7	55	8	26	3	-	-	51	2.02	110	.37	30	18	11	3	2	0	0	1	9	0	1.65	104	21	
	Walton-on-Naze	9 9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Writtle ..	9 9 9	105	47.9	38.0	42.9	-	55	11	24	3	-	-	63	2.48	-	.37	18	21	16	2	2	0	0	-	11	-	-	-	-	-	
4 MIDLAND COUNTIES																															
Yorks., W. Riding	Askham Bryan	9 9 9	90	47.0	36.6	41.8	-	55	10,13	21	3,4	-	-	40	1.59	-	.29	4	17	12	1	2	0	0	6	10	-	-	-	-	
	Bingley ..	9 9 9	610	47.1	37.9	42.5	-	55	21	24	3	-	-	65	2.56	-	.50	10	22	17	1	1	0	0	10	9	-	-	-	-	
	Bradford ..	9 9 9	439	47.6	38.6	43.1	+3.6	55	13,21	24	3,4	41.5	45.3	56	2.21	58	.53	10	16	15	-	-	-	-	10	14	-	0.66	106	9	
	Doncaster ..	9 9 9	25	48.7	37.9	43.3	-	57	13	22	3	-	-	26	1.02	-	.30	4	16	8	2	1	0	0	6	-	-	0.83	-	11	
	Harrogate	9 9 9	478	46.9	38.5	42.7	+4.2	55	13,21	25	3,4	42.4	44.2	58	2.29	76	.42	10	20	14	2	1	0	0	8	11	0	0.95	77	13	
	Huddersfield	2121 9	325	47.9	39.0	43.5	+3.7	56	13	22	4	41.7	45.5	54	2.13	66	.48	4	19	14	1	1	0	-	13	8	-	0.49	68	7	
	(Oakes)	9 9 9	761	46.9	37.8	42.3	+4.0	54	10,13,21	25	4	40.5	43.6	74	2.91	79	.69	4	19	16	2	1	1	3	9	0	-	-	-	-	
	Ilkley ..	9 9 9	315	47.7	37.4	42.5	+4.0	57	13,21	20	4	-	-	80	3.15	-	.62	10	20	16	1	0	0	0	5	8	-	0.86	113	12	
	Meltham ..	9 9 9	585	47.8	38.7	43.3	-	56	13	23	3,4	42.9	-	98	3.87	-	.74	4	18	15	-	-	-	-	6	-	-	-	-	-	
	Pontefract ..	9 9 9	255	47.8	37.9	42.9	+3.5	56	13	23	4	-	-	24	.96	43	.21	11	14	7	-	-	-	-	8	10	-	0.89	-	12	
Rotherham ..	7 7 7	284	47.9	38.4	43.1	-	55	9,13,21	24	3,4	41.5	-	33	1.28	-	.38	11	18	10	2	1	0	0	5	7	-	0.80	-	11		
Sheffield ..	9 9 9	428	48.1	39.8	43.9	+3.4	55	13,21	28	3	42.3	44.9	58	2.28	67	.35	4	17	14	2	0	0	0	-	9	0	0.82	81	11		
	Wakefield ..	9 9 9	124	48.5	37.6	43.1	+3.2	57	9,13	22	4	41.7	45.4	31	1.20	49	.18	10	19	12	3	1	0	0	8	13	-	0.50	68	78	
Derby	Belper (School) ..	9 9 9	198	48.3	40.0	44.1	+4.6	56	13	25	3	-	-	71	2.81	87	.46	4	17	15	1	1	0	0	-	-	-	-	-	-	
	Buxton ..	9 9 9	1007	45.2	37.6	41.4	+4.1	53	21	24	2,3	-	-	127	5.01	88	.77	4	23	16	2	1	0	0	6	-	0	0.25	37	38	
Nottingham	Attenborough ..	9 9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mansfield ..	9 9 9	357	47.1</																											

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

DECEMBER, 1942

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						Total Fall	Per cent- age of Average	Most in a day	Precip'n (0.01 in or more)	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Possible	Percentage			
				A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft	4 ft																	
																												°F	°F	°F
4 MID COUNTIES—cont.																														
Stafford	Market Drayton	9 9 9	581	47.0	37.8	42.4	-	55	13	23	2	-	-	65	2.58	-	.54	4	17	14	3	3	1	0	5	9	-	1.01	-	13
	Mayfield ..	9 9 9	374	47.2	37.3	42.3	+3.7	56	13	23	2	-	-	86	3.38	98	.50	3	20	14	2	0	1	0	-	7	-	0.71	67	98
Shropshire	Newport ..	9 9 9	211	48.7	37.1	42.9	-	56	13	26	1,2	-	-	64	2.51	103	.36	4	24	14	2	0	0	0	1	12	-	1.06	-	14
	Shrewsbury ..	9 9 9	184	49.7	39.7	44.7	+3.6	56	9,13,21	29	3,26	44.5	47.5	66	2.61	-	.40	4	19	15	2	0	1	0	2	9	-	0.90	-	12
Worcester	Droitwich ..	9 9 9	106	49.1	39.9	44.5	-	56	13	27	3	-	-	81	3.18	-	.54	16	20	15	2	1	0	0	3	-	-	1.05	-	13
	Malvern ..	9 9 9	380	48.4	40.8	44.6	+4.1	55	13	31	3,30	43.8	46.2	101	3.97	143	.57	11	20	16	2	0	0	0	3	4	-	1.18	72	15
Worcester	Prestwood ..	9 9 9	260	48.8	38.9	43.9	-	56	13	28	3	-	-	90	3.53	-	.65	16	20	18	3	1	1	1	6	14	-	-	-	-
	Worcester (Perdiswell)	9 9 9	94	49.8	40.3	45.1	+5.4	57	13	27	3	-	-	76	3.00	-	.55	16	18	15	2	1	0	0	-	12	-	1.00	-	13
Hereford	Bromyard ..	9 9 9	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hereford ..	9 9 9	292	-	-	-	-	-	-	-	-	-	-	136	5.36	181	.92	16	19	16	-	-	-	-	3	2	-	-	-	-
Gloucester	Ross-on-Wye	18-7 7	223	48.8	42.9	45.9	+4.9	56	13,22	32	30	45.3	47.3	102	4.03	135	.81	16	19	15	2	0	1	1	3	7	0	1.16	75	15
	Cheltenham ..	2121 9	214	49.3	40.6	44.9	+4.0	56	21,22	29	2,3	44.7	47.3	77	3.03	114	.48	21	18	13	2	0	0	0	1	8	0	0.94	70	12
Gloucester	Parkend ..	9 9 9	325	49.0	39.4	44.2	-	55	10,11,13	30	2	44.7	46.3	118	4.65	-	.70	21	19	18	2	0	0	0	3	10	-	0.96	-	12
	Stonehouse ..	9 9 9	150	49.8	41.3	45.5	-	56	9,13,21	31	30	-	-	75	2.94	-	.50	21	21	15	1	0	0	0	2	7	-	-	-	-
5 ENGLAND, S.E.																														
London	City, Bunhill Row..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	171	7	
	Camden Square ..	9 9 9	110	48.1	40.8	44.5	+3.0	54	21	30	3	44.0	47.0	61	2.40	100	.40	4	20	15	1	1	0	0	-	8	-	-	-	-
London	East Ham ..	9 9 9	15	49.0	40.5	44.7	+3.4	55	8,13,21	29	3	-	-	54	2.11	98	.43	4	17	16	-	-	-	-	-	-	-	-	-	-
	Enfield ..	9 9 9	87	48.2	39.8	44.0	+3.7	55	21	26	3	-	-	61	2.39	98	.29	18	19	15	1	2	0	0	10	9	-	1.24	108	16
London	Greenwich ..	2424 9	149	48.2	39.9	44.1	+2.8	54	13,22	27	2	45.6	47.8	60	2.36	105	.37	4	23	15	2	1	0	0	4	14	0	1.46	150	19
	Hampstead ..	21 9 -	-	47.8	40.9	44.3	-	53	13,17,21	28	3,30,31	-	-	63	2.48	-	.45	4	22	16	3	1	0	0	-	15	-	1.29	149	16
London	Kensington ..	18-9 9	80	49.0	40.8	44.9	+3.4	56	11,13	29	3	45.0	47.7	55	2.15	91	.33	18	21	15	0	0	0	0	-	14	1	-	-	-
	Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
London	Regent's Park ..	9 9 9	129	48.2	40.5	44.3	-	54	8,13,21	29	3	-	-	52	2.06	-	.36	18	20	18	2	0	1	0	6	0	-	0.74	-	9
	Kew ..	2424 24	18	48.0	40.6	44.3	+2.8	53	21,22	29	25	44.8	47.8	55	2.19	96	.36	5	18	13	3	0	0	0	3	8	0	1.64	136	21
London	Observatory ..	18-7 -	-	47.3	41.5	44.4	+3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Southgate ..	9 9 9	221	47.8	39.4	43.6	-	55	21	29	3,30,31	45.2	-	71	2.78	-	.45	4	21	18	1	0	0	0	5	11	-	0.96	-	12
London	Tottenham ..	2121 9	54	49.0	41.4	45.2	+3.1	56	21	31	2,3	-	49.2	63	2.50	112	.41	18	20	16	3	0	0	0	-	10	-	0.81	114	108
	Wealdstone ..	9 9 9	195	47.7	38.7	43.2	-	54	13,21	27	3	-	-	70	2.77	109	.55	4	20	19	2	2	0	0	9	8	0	1.62	-	20
London	Westminster ..	9 9 9	27	49.4	40.7	45.1	+2.8	55	13,21	29	3	-	-	61	2.40	112	.39	18	21	17	0	-	0	0	-	8	-	1.12	141	14
Surrey	Addington ..	9 9 9	475	47.2	38.3	42.7	+2.8	58	21	29	3,30,31	-	-	72	2.84	-	.44	21	20	16	-	-	-	-	2	-	-	-	-	-
	Croydon ..	18-7 7	217	48.2	41.6	44.9	+4.0	55	8	27	3	-	-	86	3.38	124	.45	5	20	17	3	1	0	0	2	5	0	1.76	142	22
Surrey	Farnham ..	9 9 9	260	48.8	38.5	43.7	-	55	14	24	3	-	-	99	3.88	-	.57	17	20	17	0	0	0	0	8	13	-	-	-	-
	Millford ..	9 9 9	180	48.3	37.5	42.9	-	54	7,11,21	24	3	-	-	93	3.67	-	.55	21	21	16	1	1	0	0	2	11	-	1.75	-	22S
Surrey	Wisley ..	9 9 9	150	48.5	39.0	43.7	+2.8	55	8	25	25	45.0	47.8	76	2.99	119	.40	4	21	18	1	1	0	0	2	14	0	1.56	117	20S
Kent	Biggin Hill ..	18-7 7	567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromley ..	9 9 9	213	48.7	39.1	43.9	-	55	8,11,13	28	3	-	-	58	2.27	90	.31	4	18	15	1	2	0	0	0	11	-	-	-	-
Kent	Canterbury ..	9 9 9	135	47.6	39.2	43.4	+2.5	54	8,11	24	3	44.7	46.4	73	2.88	-	.55	19	18	16	-	-	-	-	8	-	-	-	-	-
	Deal ..	9 9 9	25	48.3	38.8	43.5	+2.2	56	8	26	3	45.9	49.1	77	3.03	-	.77	18	17	16	0	1	0	0	1	15	-	-	-	-
Kent	Dover ..	9 9 9	19	47.7	39.2	43.5	+1.4	54	8	25	3	-	-	94	3.71	120	.63	18	17	16	2	0	0	0	-	-	-	-	-	-
	Dungeness ..	18-7 7	20	49.3	40.5	44.9	+3.1	57	12	27	3,4	-	-	72	2.83	102	.71	18	17	15	1	0	0	0	0	-	-	-	-	-
Kent	East Malling ..	9 9 9	132	48.0	38.5	43.3	+2.8	55	8	23	3	-	-	64	2.51	-	.34	5	19	17	3	2	0	0	3	12	0	1.44	106	18
	Goudhurst ..	9 9 9	290	47.4	-	-	-	55	8	24	3	-	-	89	3.49	-	.52	21	21	19	2	0	0	0	1	12	-	-	-	-
Kent	Lympne ..	18-7 7	346	47.2	40.2	43.7	+3.8	56	12	25	3	-	-	79	3.14	97	.67	18	17	15	3	1	1	0	0	7	0	1.87	107	24
	Manston ..	18-7 7	154	47.0	40.3	43.7	-	54	8,11	28	3	-	-	55	2.15	-	.69	18	16	11	3	2	1	0	1	5	0	1.55	-	20
Kent	Ramsgate ..	9 9 9	80	47.6	40.5	44.1	+2.4	55	8	30	3	-	-	66	2.58	-	.77	18	16	15	2	0	0	0	-	-	-	1.52	101	19
	Tunbridge W. ..	9 9 9	351	47.1	37.7	42.4	+2.3	55	8	24	3	43.0	46.3	94	3.69	-	.70	21	21	18	2	1	0	0	0	10	0	1.69	122	15
Kent	Whitstable ..	9 9 9	9	48.7	40.7	44.7	-	56	11	25	3	-	-	55	2.15	-	.42	5	18	14	1	0	0	0	1	-	-	1.73	-	22
	Wye ..	9 9 9	164	47.6	38.5	43																								

TABLE III (continued)—Summary of Observations of Temperature, Rainfall, Sunshine and Weather

DECEMBER, 1942

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			Per cent- age of Average	Most in a day	Precip'n	Snow lying	Hail	Thunderstorm	Fog (Morn'g Obs.)	Ground Frost	Gale	Daily Mean	of Average	of Poss- ible					
				A Max.	B Min.		Maximum	Date	Minimum	Date		mm	in													%	in	0.1 in (0.2 mm or more)	0.1 in (1.0 mm or more)	Snow	Thunder	Fog	Ground	Gale	hr	%	%
				Max. Min. Rain	ft	°F	°F	°F	°F	°F	°F	°F	°F	1 ft	4 ft	mm	in	%	in	0.1 in (0.2 mm or more)	0.1 in (1.0 mm or more)	Snow	Thunder	Fog	Ground	Gale	hr	%	%	
5 ENGLAND, S.E.—cont.																														
I. of Wight	Newport ..	9 9 9	48	49.7	40.3	45.0	+3.6	54	8,13,21	29	26	-	-	115	4.53	-	.64	21	25	21	0	0	0	0	2	6	-	-	-	-
	Ryde ..	9 9 9	13	50.2	42.1	46.1	+3.1	58	21	33	27,30	-	-	95	3.74	-	.62	21	23	20	0	0	0	0	0	0	0	1.74	107	22
	St. Catherine's Point	18-7 7	150	49.4	43.5	46.5	-	54	10,20	30	30	-	-	96	3.77	-	.54	5	21	18	0	0	0	0	0	0	0	-	-	-
	Sandown ..	9 9 9	13	50.6	42.9	46.7	+3.0	55	8	32	30	-	-	95	3.75	-	.55	21	22	20	0	0	0	0	0	0	0	1.84	103	23
	Totland Bay ..	9 9 9	140	50.0	43.0	46.5	+3.2	54	11	32	30	-	-	83	3.27	101	.36	10	21	18	0	0	0	0	0	2	5	1.71	95	21
Wiltshire	Ventnor(Hospital)	9 9 9	60	50.5	43.1	46.8	+2.7	54	7,11,21	31	30	-	-	101	3.98	121	.50	21	22	18	0	0	0	0	0	0	0	1.99	109	25
	Amesbury (Boscombe Down)	18-7 7	417	48.0	41.0	44.5	-	54	13,21,22	34	30	-	-	121	4.75	-	.56	13	22	20	2	0	1	0	3	3	0	1.33	-	17
	Larkhill ..	9 9 9	440	48.7	39.9	44.3	+4.6	56	10	30	30	-	-	115	4.53	153	.61	16	22	18	2	0	0	0	4	6	0	-	-	-
	Marlboro' †	9 9 9	424	48.5	38.8	43.7	+4.0	55	22	29	3,30	44.8	47.5	130	5.13	146	.94	13	24	20	2	-	0	0	8	11	1	1.20	101	15
	Porton ..	9 9 9	363	48.3	38.6	43.5	+4.2	54	13,21	28	30	44.6	-	127	4.99	158	.59	21	22	17	1	0	1	0	3	5	0	1.30	78	16
7a ENGLAND, N.W.																														
Cumberland	Keswick ..	9 9 9	254	49.8	39.3	44.5	+3.8	56	21	20	2	45.4	46.6	257	10.12	151	2.64	10	25	24	1	0	0	0	0	8	1	0.60	83	8
	Newton Rigg †	2121 9	560	47.0	36.9	41.9	+3.6	54	7,11,22	19	2,3	-	-	109	4.28	102	.71	10	22	20	3	0	0	0	1	0	8	0.74	75	24
Westmorland	Ambleside ..	9 9 9	145	48.0	38.8	43.4	-	54	8	21	2	-	-	279	10.99	-	1.12	10	26	23	1	1	0	0	2	-	-	0.52	-	7
	Appleby ..	9 9 9	440	46.1	35.8	40.9	+2.9	55	21	17	3	-	-	101	3.96	100	.80	10	23	20	2	1	0	0	-	-	-	-	-	-
Lancashire	Blackpool ..	9 9 9	65	48.5	39.4	43.9	+3.0	55	10,13	25	2	43.8	46.7	89	3.51	104	.53	4	24	18	0	0	1	0	9	8	-	0.66	56	9
	Bolton ..	9 9 9	342	48.1	37.6	42.9	+2.9	56	13	24	2,3	42.8	45.3	126	4.97	105	.96	10	24	16	1	1	0	0	-	8	-	0.48	100	6
	Burnley ..	9 9 9	458	47.1	38.5	42.8	+3.7	55	21	21	2	41.7	44.8	115	4.54	-	.55	4	23	18	1	1	0	0	4	16	-	-	-	-
	Darwen ..	2121 9	724	48.5	38.7	43.6	+3.7	57	13	22	2	-	-	100	3.95	-	.49	31	25	21	0	0	0	0	14	-	2	0.69	-	9
	Fleetwood ..	9 9 9	21	48.5	39.3	43.9	+4.0	57	13	23	2	42.9	45.9	98	3.84	-	.57	31	20	18	1	1	0	0	-	11	1	0.43	46	6
	Hutton ..	9 9 9	82	48.5	38.7	43.6	+3.7	57	13	22	2	-	-	88	3.47	99	.44	4	17	15	1	1	0	0	3	10	-	-	-	-
	Leyland ..	9 9 9	125	48.5	38.7	43.6	+3.7	57	13	22	2	-	-	88	3.47	99	.44	4	17	15	1	1	0	0	3	10	-	-	-	-
	Manchester (Burnage) ..	9 9 9	147	49.1	39.5	44.3	-	57	13	23	2	-	-	92	3.62	-	.66	31	20	14	1	0	0	0	5	-	-	0.49	-	7
	(Whitworth Pk.) ..	2121 9	125	49.2	40.9	45.1	+4.2	57	13	26	2	43.9	46.1	87	3.43	106	.76	11	19	15	2	1	0	0	9	10	1	0.56	137	7
	Morecambe ..	9 9 9	23	48.3	39.7	44.0	+3.7	56	10,13	26	2,3	-	-	123	4.84	123	.56	30	24	22	1	0	0	0	9	-	0	0.75	62	10
	Nelson ..	9 9 9	540	46.9	38.8	42.9	-	54	13,21	23	3	41.2	44.5	124	4.87	-	.93	10	24	18	-	-	-	-	10	8	-	0.41	-	6
Cheshire	Southport (Bedford Rd.Pk.) †	9 9 9	35	49.3	38.9	44.1	+3.2	57	13	26	2,3	43.7	45.6	91	3.57	110	.62	31	22	17	2	0	0	0	9	6	1	0.83	70	11
	Stonyhurst †	9 9 9	377	47.2	38.8	43.0	+3.2	55	13	25	2,3	-	-	111	4.36	90	.75	31	23	19	2	1	0	0	3	6	2	0.85	85	11
Cheshire	Bidston Obs'y ..	9 9 9	198	48.5	40.5	44.5	+3.0	56	13	32	26	-	-	75	2.95	111	.40	31	17	16	-	-	-	2	1	0	1.07	79	14	
	Hoylake ..	9 9 9	23	50.3	40.4	45.3	+3.4	57	13	27	2	-	-	86	3.37	119	.55	31	21	15	2	0	0	0	-	7	-	0.92	70	12
	Macclesfield ..	9 9 9	500	46.7	38.7	42.7	+3.9	54	13	24	2	-	-	97	3.83	111	.59	31	18	13	2	1	0	0	6	-	-	-	-	-
	Manchester (Ringway) ..	18-7 7	235	47.2	40.8	44.0	-	56	13	23	2	-	-	81	3.17	-	.75	11	18	14	1	1	1	0	2	6	0	-	-	-
	Warburton ..	9 9 9	68	49.1	38.6	43.9	-	56	7,13,14	23	2	-	-	92	3.63	-	.67	4	16	14	1	0	0	0	4	12	-	0.71	-	9
Cheshire	West Kirby ..	9 9 9	25	49.1	40.4	44.7	+4.2	56	10	29	2	-	-	78	3.08	117	.40	4	18	15	3	0	2	0	0	10	-	0.95	73	13
7b NORTH WALES																														
Flint	Hawarden B'dge ..	9 9 9	17	50.1	39.6	44.9	+2.9	57	8,9,13	28	2	-	-	78	3.07	-	.50	4	20	17	0	0	0	0	3	-	-	-	-	-
	Prestatyn ..	9 9 9	18	51.2	41.3	46.3	-	57	9,10	30	2	-	-	61	2.41	-	.43	10	18	11	0	0	0	0	0	-	-	1.09	-	15
	Rhyl ..	9 9 9	31	51.0	41.6	46.3	+4.0	57	9	30	2	-	-	65	2.58	104	.33	4	20	15	3	0	1	0	0	3	4	1.08	77	15
	Sealand .. †	18-7 7	16	49.3	41.8	45.5	+4.4	57	13,21	29	2	45.0	47.6	79	3.13	127	.48	4	20	15	1	0	0	0	3	5	0	1.28	96	17
Anglesey	Holyhead †	8 8 8	26	51.2	40.9	46.1	+1.4	55	13	35	30	-	-	160	6.29	151	1.04	25	27	23	-	-	-	-	0	-	-	0.76	58	10
	Holyhead (Valley) ..	18-7 7	32	50.3	44.6	47.5	-	55	13	35	3,30	-	-	130	5.11	-	.47	10	23	13	0	0	0	1	0	1	10	-	-	-
Denbigh	Colwyn Bay ..	9 9 9	118	51.4	43.2	47.3	+4.0	59	12	34	2	-	-	69	2.70	-	.51	10	21	17	0	0	1	0	0	-	-	1.22	95	16
Carnarvon	Aber ..	9 9 9	60	52.0	43.2	47.6	+4.3	59	9	(33)	(2)	-	-	183	7.19	-	1.10	10	25	22	1	0	2	0	0	1	0	0.52	100	7
	Llandudno ..	9 9 9	13	51.7	43.4	47.5	+4.2	58	9	33	2	-	-	93	3.67	126	.70	10	20	18	0	0	2	0	0	-	0	0.97	77	13
Merioneth	Bala ..	9 9 9	535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Montgomery	Lake Vyrnwy ..	9 9 9	750	47.8	38.2	43.0	-	54	10,21	30	26,30	-	-	155	6.12	-	.86	4	24	21	3	0	0	0	1	3	-	-	-	-
	Welshpool ..	9 9 9	254	50.5	38.6	44.5	+4.2	57	9,21	27	26	-	-	86	3.40	103	.89	10	21	18	2	0	0	0	0	-	-	-	-	-
8a SOUTH WALES																														
Cardigan	Aberporth ..	18-7 7	376	49.2	43.1	46.1	-	54	10,21	33	29	-	-	184	7.24	-	1.76	10	26	23	0	0	2	0	1	1	0	1.01	-	13
	Aberystwyth ..	9 9 9	12	51.8	43.7	47.7	+4.6	56	14,15,18																					

DECEMBER, 1942

* Mean of hourly readings. † Pressure at Station Level. ‡ Mean pressure at Station Level is 964.5 mb.
 ‡‡ Mean pressures at Station Level are 978.7 mb. at 7 h., 978.8 mb. at 13 h. 979.0 mb. at 18 h., and
 978.6 mb. at 21 h.

TABLE IV (continued)—Summary of Observations at fixed hours

DECEMBER, 1942

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
											0	1	2	3	4	5	6	7	8	9	10	Fog				Mist	Poor Vis.	Moderate Vis.	Good Visibility	8 or more	3 or more	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
																						0	1	2	3																												4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
2 ENGLAND, N.E.—cont.		G.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

TABLE IV (continued)—Summary of Observations at fixed hours

DECEMBER, 1942

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY									WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS									FORCE (0-12)				DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
										0	1	2	3	4	5	6	7	8	9	10	FOG				Mist	Poor Vis.	Med. Vis.	GOOD VISIBILITY			8 or more	7	6	5	4	3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																					0	1	2	3				4	5	6																7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
7 ENGLAND, S.E.—cont.			O.M.T.	ft	mb	mb	°F	°F	mb	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE IV (continued)—Summary of Observations at fixed hours

DECEMBER, 1942

National Meteorological
Library & Archive
London Road
Bracknell RG12 2SZ

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		TEMPERATURE AND HUMIDITY				CLOUD AMOUNT						VISIBILITY										WIND, NUMBER OF OBSERVATIONS														
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations					NUMBER OF OBSERVATIONS										FORCE (0-12)					DIRECTION									
										0	1 to 3	4 to 6	7 to 9	10	FOG					Mist	Poor Vis	Mod. Vis	Good Vis	8 or more	6 to 7	4 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
															0	1	2	3																					
8b ENGLAND, S.W.—cont.																																							
Dorset—cont.	1	37	1014.2	—	48.1	1.5	10.2	89	8.7	2	0	0	9	20	0	0	0	0	0	0	0	0	4	21	6	0	0	3	22	6	0	1	0	3	5	7	9	4	2
	7	37	1013.8	+2.1	48.6	1.4	10.5	90	8.5	2	1	1	7	20	0	0	0	0	0	0	0	1	21	6	0	0	2	23	6	0	1	0	4	5	7	7	6	3	
	13	37	1014.5	—	49.1	1.6	10.5	88	8.8	0	0	2	12	17	0	0	0	0	0	0	0	1	12	18	9	0	0	26	3	0	2	0	5	2	10	6	3	1	
	18	37	1014.1	—	48.5	1.5	10.3	89	8.7	1	0	3	6	21	0	0	0	0	0	0	0	1	19	11	0	0	0	24	5	0	2	1	4	2	11	5	3	3	
Devon	1	305	1011.6	—	48.7	1.7	10.3	87	7.2	0	4	8	11	8	0	0	0	0	0	1	5	13	12	0	0	6	13	12	0	1	1	0	1	6	12	6	4		
	7	305	1011.5	—	48.2	1.7	10.0	86	7.4	1	2	8	12	8	0	0	0	0	0	0	2	18	11	0	0	5	14	12	0	2	2	0	3	6	10	5	3		
	13	305	1012.1	—	49.6	2.7	9.8	81	8.0	0	1	4	21	5	0	0	0	0	1	0	3	10	15	2	1	1	18	10	1	3	1	0	2	5	11	5	3		
	18	305	1011.7	—	48.9	1.8	10.2	86	8.4	0	3	1	15	12	0	0	0	0	0	1	3	17	10	0	1	2	18	10	0	0	1	1	4	6	8	6	5		
Plymouth (Mount Batten)	7	27	1013.6	+1.3	47.2	0.8	10.6	94	7.4	1	5	4	9	12	0	0	0	0	2	3	17	6	3	0	2	5	9	14	1	3	1	1	4	5	7	7	2		
	13	27	1014.1	—	50.7	1.8	11.0	87	8.5	0	1	3	17	10	0	0	0	0	2	2	8	10	9	0	0	5	17	8	1	2	0	0	2	9	8	4	5		
	18	27	1013.3	—	49.1	0.9	11.1	93	7.9	0	5	3	9	14	0	0	0	0	2	6	18	5	0	0	1	7	10	9	4	2	0	1	3	6	7	5	3		
Cornwall	1	240	1013.3	—	49.6	1.5	10.8	89	7.7	0	1	8	10	12	0	0	0	0	0	0	1	11	19	0	0	1	11	12	7	0	1	2	0	2	2	11	8	5	
	7	240	1012.5	—	49.4	1.6	10.7	89	7.8	0	1	9	8	13	0	0	0	0	0	1	5	10	15	0	0	2	10	12	6	1	4	1	0	1	4	8	7	5	
	13	240	1013.3	—	51.2	2.3	10.8	84	8.4	0	0	6	14	11	0	0	1	0	0	1	5	23	0	0	0	1	12	12	6	0	3	1	0	3	2	12	4	6	
	18	240	1013.2	—	49.6	1.7	10.2	84	8.3	0	1	6	9	15	0	0	0	0	0	0	4	2	18	0	0	3	9	12	7	0	3	1	0	2	2	12	5	6	
Newquay	9	185	1012.0	-0.3	48.0	1.4	10.2	89	7.6	0	8	0	7	16	0	0	0	1	0	1	6	8	14	1	1	6	11	13	0	3	0	0	8	9	6	1	4		
NORTHERN IRELAND																																							
Antrim Aldergrove	7	271	1006.7	—	43.0	1.4	8.5	89	6.4	2	8	4	4	13	0	1	1	0	0	0	6	14	9	0	0	2	10	15	4	0	0	1	7	11	3	3	2		
	13	271	1006.8	—	46.5	2.3	9.0	82	8.7	0	1	4	13	13	0	0	0	0	0	0	7	14	7	3	0	2	10	18	1	1	1	0	5	12	7	3	1		
	18	271	1006.3	—	45.0	1.8	8.9	89	8.5	0	2	4	8	17	0	0	0	0	2	1	10	11	7	0	0	2	9	19	1	2	0	0	6	15	4	2	1		
Armagh Armagh	9	209	1007.0	+1.5	43.8	1.2	8.9	90	8.0	0	5	2	9	15	0	0	1	0	0	4	9	16	0	0	1	5	4	20	1	1	0	0	1	14	10	3	1		
	21	209	1006.2	—	44.9	1.2	9.3	90	7.0	1	8	1	9	12	0	0	0	0	0	5	2	16	0	0	0	8	8	13	2	2	0	1	2	12	10	2	0		
Selly St. Mary's..	1	199	1012.9	—	50.0	1.7	10.8	88	7.2	2	4	5	8	12	0	0	0	0	0	1	9	5	16	0	0	5	18	7	1	1	0	0	2	8	12	5	2		
	7	199	1012.0	+0.1	49.5	1.8	10.4	86	7.4	1	5	5	8	12	0	0	0	0	0	7	7	17	0	0	0	6	20	3	2	1	0	0	1	8	8	6	5		
	13	199	1012.5	—	51.5	2.5	10.7	82	8.3	0	0	9	10	12	0	0	0	1	0	1	7	5	17	0	0	4	20	7	0	2	1	0	3	9	8	4	4		
	18	199	1012.2	—	49.9	2.0	10.5	86	8.0	0	4	3	11	13	0	0	0	0	2	8	4	17	0	0	0	5	19	7	0	2	0	0	1	12	6	4	6		
GIBRALTAR	1	400	1020.8	—	55.3	2.9	12.4	81	4.0	1	16	4	8	2	0	0	0	0	0	1	1	8	21	0	0	3	7	18	3	1	6	6	0	1	0	11	3		
	7	400	1020.4	—	54.5	2.7	12.2	82	6.2	0	9	3	18	1	0	0	0	1	0	0	0	4	11	15	0	0	1	20	0	0	7	4	3	0	2	10	5		
	13	400	1020.7	—	59.3	4.6	12.7	72	6.1	0	9	3	17	2	0	1	0	0	0	0	2	16	12	0	0	2	10	19	0	0	8	8	2	0	3	9	1		
	18	400	1020.7	—	56.9	3.5	12.6	77	5.5	0	14	2	11	4	0	0	0	0	0	0	0	2	22	0	0	2	11	16	2	2	5	7	3	0	2	9	1		
MALTA	1	234	1019.1	—	57.3	3.0	12.8	80	4.4	3	15	3	4	6	0	0	0	0	0	0	1	8	22	0	0	0	7	21	3	0	4	5	6	3	3	5	2		
	7	234	1019.2	—	57.8	3.5	12.9	78	6.8	0	7	5	17	2	0	0	0	0	0	0	0	1	20	10	0	0	4	27	0	1	4	6	6	4	3	4	3		
	13	234	1018.5	—	62.2	5.5	13.3	70	6.2	0	8	7	13	3	0	0	0	0	0	0	2	14	15	0	0	0	8	23	0	0	6	4	6	5	3	2	5		
	18	234	1019.1	—	59.0	3.9	13.2	77	4.7	3	14	3	6	5	0	0	0	0	0	0	0	3	22	6	0	0	6	23	2	0	3	7	7	2	5	3	2		

TABLE III (a)—SKY OBSERVATIONS, DECEMBER, 1942

WEATHER DIARY ROYAL OBSERVATORY, GREENWICH		NIGHT SKY RECORDER**		
	Number		GREENWICH	PORTON
Persistently overcast days	4	Recorder in operation on	31 nights	31 nights
.. cloudless ..	0	Average exposure (hours)	13.8	13.2
.. foggy ..	0	Polaris unobscured		
		(per cent.)	25	22
		8 Ursae Minoris (ditto)	21	17

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

TABLE III (b)—SOLAR RADIATION

DIRECT SOLAR RADIATION KEW OBSERVATORY		Cal./cm. ² /diem.	
Max. (on 24th)	..	216	
Mean	..	45.7	

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

SUMMARY FOR THE YEAR 1942. INCLUDING MONTHLY AND ANNUAL TABLES OF WIND BASED UPON THE RECORDS OF AUTOGRAPHIC INSTRUMENTS PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:—YORK 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.

VOL. 59. No. 13.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

Price 1/- net, post free, 1/1½

SUMMARY FOR THE YEAR 1942

Climatological Section

REMARKS ON THE WEATHER OF THE YEAR	Page.	TABLE IV.—Summary of 1942 of the Observations of Pressure, Temperature, Humidity, Cloud, Visibility and Wind at fixed hours of the Day	Page.
ANNUAL WEATHER CHARTS, 1942:—	169	TABLE V.—Warmest Day and Night and Coldest Day and Night in each station during 1942	180
Wind and Mean Pressure, 7 a.m.; Movements of Depressions; Distribution of Mean Temperature, Bright Sunshine and Rainfall	171, 172	TABLE VI.—Monthly and Annual Frequencies of Days of Sunshine of specified durations for 20 stations	184
TABLE I.—District Values for the whole year, 1942, and Difference from Average	173	TABLE VII.—Coldest Day and Warmest Night in each month for 20 stations	188-9
TABLE II.—Summary of Autographic Records of Wind for 1942 (see Table XI., p. 187).		TABLE VIII.—Frequency of specified Daily Rainfall Totals for 1942 for 20 stations	188-9
TABLE III.—Summary for 1942 of the Records of Temperature, Rainfall and Sunshine and of Weather Observations	174	TABLE IX.—Frequency of specified Maximum and Minimum Temperature for 20 stations	188
TABLE III (a).—Royal Observatory, Greenwich and Porton—Sky Observations	183	NOTES ON TABLES I to IV	189
TABLE III (b).—Kew Observatory, Solar Radiation	183		198

Wind Section

TABLE X.—Particulars of changes in Anemographs	187	TABLE XIV.—Dates of gusts of "whole gale" force	192
TABLE XI.—Summary of Autographic records of wind for 1942	187	TABLE XV.—Highest gust in each month of 1942 at each station	193
TABLE XIIA.—Monthly frequencies of gusts	190	TABLE XVI.—Highest mean speed in each month of 1942 at each station	194
TABLE XIIB.—Monthly frequencies of "gales" and "strong breezes"	190	TABLE XVII.—Weekly values of Mean Velocities of Wind Components	193-4
TABLE XIII.—Particulars of "strong gales"	191-2	TABLE XVIII.—"Wind Rose" data for telegraphic stations	195-7

1942—AN ABNORMAL YEAR; UNUSUALLY COLD WITH CONSIDERABLE SNOW IN THE FIRST QUARTER; PERIODS OF DROUGHT AND HEAVY RAINFALL

Among the most remarkable features of the weather of 1942 were the intense cold and considerable snowfall of the first two and a half months, the scarcity of sunshine in east Scotland and north-east England in January and over most of England during the first three months, the long spring drought during the latter half of April and the first part of May and the very dry weather in June and November, the excessive rainfall in Scotland and Northern Ireland from July to October and the mildness of December with frequent and sometimes severe gales on our west and north-west coasts. Other notable features were the warm spells of early June and towards the end of August, the excessive sunshine of April and May and the period of exceptionally dry air during the latter part of April and early May. Rainfall was below the average in England and Wales, about average in Scotland and above in Northern Ireland and for the third year in succession mean temperature was somewhat below the average.

JANUARY was unusually cold, with severe frost; it was mainly dull except in Northern Ireland and the extreme west of Britain where sunshine was excessive. Except over a large area covering most of north-west Scotland and the Grampians rainfall was excessive, notably so over much of a coastal strip of east Britain and in Northern Ireland. Snowfall was considerable. FEBRUARY was exceptionally cold; it was also dry on the whole, notably so in the south-west of England and south Wales, and mainly dull in England and Wales. Snowfall was heavy at times during the first week, and owing to the persistently low temperature it remained on high ground for a long time. The weather of MARCH was distinguished by a marked scarcity of sunshine, particularly in the Midlands. It was cold during the first half of the month and considerable snowfall was experienced in some districts from the 4th-6th or 7th. Winds from some easterly point were excessive. In marked contrast to the first three months of the year the weather of APRIL was notably sunny. It was also rather warm and the last three weeks were markedly dry. The month was windier than the average over England and Wales and winds from an easterly point were more frequent than usual. In MAY sunshine appreciably exceeded the average except locally in the south. Mean temperature was about or slightly below the average and the general rainfall was above average, notably so in south-west England and south Wales. The weather of JUNE was distinguished by a scarcity of rainfall except in parts of west and north Scotland, where there was an excess; the deficiency was marked in parts of England and Wales and Ireland. Sunshine was excessive over England and Wales and Ireland but deficient in Scotland. An unusually warm spell occurred from the 3rd-6th and a cold period roughly from the 8th-16th.

JULY was unsettled and mainly cool; south-westerly to north-westerly winds predominated. The general rainfall was about average over England

and Wales, somewhat exceeded the average in Scotland and was considerably above the average in Northern Ireland. The weather of AUGUST was distinguished by a general deficiency of sunshine, which was particularly marked in the northern half of the country. Rainfall was variable, but exceeded the average on the whole; thunderstorms were widespread and severe locally on the 2nd and 29th. There were many cool days during the first three and a half weeks, but a spell of unusual warmth occurred from the 27th-29th. In SEPTEMBER the weather was mainly unsettled. The general rainfall was excessive, notably so in Ireland and west and north-west Scotland but over a large central area of England there was a deficiency. Heavy rainfall on the 4th-5th caused serious flooding in the Lake District of England and in the neighbourhood of the river Esk. Sunshine was variable but about average on the whole. OCTOBER was mainly dull; it was unsettled generally in the north and in the south also from the 20th onwards. Winds from between south and west predominated and measurable rain occurred at some stations in the north of Scotland on each day of the month. Broadly speaking the first 24 days were mild and the last week cold. The weather of NOVEMBER was quiet, except in the extreme north of Scotland and very dry apart from a fairly large area in eastern England. Mean temperature was below the average except in the north of Scotland. Fog developed frequently, particularly inland in England and especially in large towns. DECEMBER was mild and unsettled, with frequent and sometimes severe gales in the west and north. Rainfall exceeded the average in the west and was deficient on the whole in the east.

Pressure and Wind.—Mean pressure somewhat exceeded the average, the excess being greatest on the whole in the east; the deviation at 7h. ranged from +0.7 mb. at St. Mary's, Scilly to +2.3 mb. at Tynemouth and +2.4 mb. at Sumburgh. Gales were generally fewer than in an average year. A brief study of columns 2 and 3 of Table XI shows that the duration in hours of a wind speed greater than 38 m.p.h. (that is gale force) registered at most of the anemograph stations in 1942 was considerably below the average duration. To quote a few figures:—Edinburgh 12 (average 21), Eskdalemuir 8 (average 37), Spurn 29 (average 47), Shoeburyness 14 (average 21), Holyhead 46 (average 88) and Scilly 60 (average 134) but Lerwick 403 (average 265) and Bell Rock lighthouse 320 (average 280).

In JANUARY mean pressure exceeded the average in the north and was somewhat below the average in the south; at 7h. the deviation ranged from +6.6 mb. at Sumburgh, Shetlands, to -0.6 mb. at Portland Bill and Lympne. The mean pressure gradient was thus less steep than the average. Gales occurred fairly frequently, however, at exposed coastal stations in the north and west. In FEBRUARY mean pressure exceeded the average, the excess being greatest in the north; the deviation at 7h. ranged from +4.4 mb. at

SECRET

Lympne to +11.0 mb. at Stornoway; mean pressure was therefore very uniform over the British Isles and gales were infrequent. Winds from some northerly point were more prevalent than usual, north-easterly winds being particularly frequent in the south. Mean pressure in MARCH exceeded the average in the north and east and was below the average in the south-west, the deviation at 7h. ranging from +7.4 mb. at Sumburgh to -3.0 mb. at the Scilly Isles. Winds from some easterly point were excessive. Gales were comparatively few and none was markedly severe. In APRIL, broadly speaking, mean pressure somewhat exceeded the average except in the south-west, the deviation at 7h. ranging from +5.0 mb. at Sumburgh to -3.2 mb. at the Scilly Isles. The map shows the highest pressure eastward of the British Isles and the lowest to the west and winds from an easterly point were more frequent than usual. The month was windier than the average over England and Wales. Local gales were reported on numerous occasions. Mean pressure in MAY was below the average, the deviation at 7h. ranging from approximately -1.3 mb. at Lympne and -1.5 mb. at Yarmouth to -3.8 mb. at Renfrew. Local gales occurred at times. In JUNE mean pressure exceeded the average, the excess at 7h. ranging from 2.6 mb. at Sumburgh to 4.9 mb. at Tiree; westerly and north-westerly winds were frequent.

In JULY mean pressure was somewhat below the average over most of the country, but slightly above in the extreme south, particularly the south-west. At 7h. the deviation ranged from -2.3 mb. at Sumburgh to +1.2 mb. at Scilly. South-westerly to north-westerly winds predominated and those from the east were few. In AUGUST pressure slightly exceeded the average locally on the east coast of Britain and was somewhat below the average elsewhere; the deviation at 7h. ranged from -1.7 mb. at Tiree to +1.0 mb. at Sumburgh and +1.1 mb. at Lympne. Winds from between south and west predominated. Mean pressure in SEPTEMBER was below the average generally, the deficiency being greatest in the north; at 7h. the deviation ranged from -2.3 mb. at Lympne to -7.6 mb. at Sumburgh. The pressure gradient, associated with south-westerly winds, was thus considerably increased. Generally speaking mean pressure in OCTOBER was below the average in the north and somewhat exceeded the average in the south, the deviation at 7h. ranged from -5.5 mb. at Sumburgh to +2.0 mb. at Plymouth. The pressure gradient was thus increased and winds from between south and west predominated. In NOVEMBER mean pressure markedly exceeded the average in all districts, the excess at 7h. ranging from 15.1 mb. at Tiree to 9.5 mb. at Lympne. At many places apart from the extreme north, the month was much quieter than usual. Gales occurred on a number of occasions in the north of Scotland, the stormiest periods being the 6th and the 14th-16th. Mean pressure in DECEMBER was slightly below the average in Scotland and somewhat above the average in England and Wales. The deviation at 7h. ranged from -1.7 mb. at Tiree to +2.4 mb. at Lympne; the mean pressure gradient from north-west to south-east was thus increased and southerly and south-westerly winds predominated. Gales were frequent and severe at times in the north and west causing much damage.

Noteworthy Gales.—In a strong south-easterly gale on January 25th-27th a mean hourly velocity of 65 m.p.h. and a gust of 82 m.p.h. were registered at Bell Rock lighthouse and in a northerly gale on the night of the 30th-31st a mean hourly velocity of 58 m.p.h. was recorded at the Lizard and gusts of 84 m.p.h. and 80 m.p.h. at the Lizard and Pendennis Castle respectively. A gust of 83 m.p.h. was registered at St. Ann's Head during a westerly gale on April 1st and one of 83 m.p.h. at St. Mary's, Scilly, in a gale over the southern districts on May 27th-28th. In a widespread gale on October 9th-10th, a mean hourly velocity of 56 m.p.h. and a gust of 85 m.p.h. were registered at Lerwick on the 9th and a mean hourly velocity of 60 m.p.h. and a gust of 87 m.p.h. on the 10th and in another widespread gale on October 14th-15th a gust of 85 m.p.h. was registered at Lerwick on the 15th. The gale on November 15th produced a gust of 85 m.p.h. at Lerwick. In December gales occurred frequently on our west and north-west coasts. On the 7th mean hourly velocities of 59 m.p.h. and 55 m.p.h. were registered at Bell Rock and Tiree respectively; on the 9th, 13th and 14th mean hourly velocities of 58 m.p.h., 58 m.p.h. and 56 m.p.h. respectively were recorded at Stornoway, with gusts exceeding 80 m.p.h. on the 9th and 13th and at Valentia, in south-west Ireland gusts of 95 m.p.h. and 93 m.p.h. were registered on the 14th. In a somewhat widespread northerly gale on December 29th, a mean velocity of 55 m.p.h. was reported at Lerwick.

Temperature.—For the third year in succession mean temperature was somewhat below the average, the deviations for the districts ranging from 0.0°F. in Northern Ireland to -0.9°F. in England, S.E. The period January to approximately mid-March was exceptionally cold in Great Britain. On the other hand April was mild, December very mild and the periods June 3rd-6th and August 27th-29th unusually warm.

For the third consecutive JANUARY mean temperature was markedly below the average, particularly in the eastern districts of England and the Midlands. In Ireland and extreme south-west England the deficiency was not very great. The period 11th-22nd was exceedingly cold; at Dunstable temperature remained at 32°F. or below from the 14th-23rd. Mean temperature in FEBRUARY was exceptionally low, the deviations from the average ranging from -3.2°F. in Northern Ireland to -8.0°F. in England, S.E. Over England and Wales it was the coldest February since the record February of 1895. The extremely low mean temperature was due to prolonged cold rather than to any short period of intense frost. In MARCH mean temperature was below the average in all districts except England, S.W. and Northern Ireland, the deviations ranging from -2.3°F. in England, E. to +0.5°F. in England, S.W. On the east coast of England the deviation was as much as -4.5°F. at Yarmouth. The first 12 days were cold, screen minimum temperatures being notably low between the 6th and 12th; -3°F. at Braemar on the 8th was the lowest temperature for the year. In APRIL mean temperature exceeded the average by rather more than 2°F. The mean daily range of temperature was generally greater than the average. Mean temperature in MAY was not very different from the average, the deviation for the districts ranging from 0°F. in Scotland, N. and England, N.W. to -1.3°F. in England, S.E. The daily range of temperature was appreciably greater than the average in some parts. Low minimum temperatures were registered at times during the first ten days, particularly from the 1st-4th and 8th-9th.

A grass minimum temperature of 12°F. was registered at Balmoral on the 9th. In JUNE, broadly speaking, mean temperature was somewhat below the average in the west and north-west of Scotland and above the average elsewhere. The deviations ranged from -0.8°F. in Scotland, N. to +1.6°F. in the Midlands. An exceptionally warm spell occurred from the 3rd-6th and a cold period roughly from the 8th-16th, when both day and night temperatures were very low at times.

Mean temperature in JULY was somewhat below the average; the days were mainly cool, particularly in the west of Scotland. Among the warmest days were the 1st-2nd, 5th, 20th-21st and 31st; in eastern districts of England 80°F. was reached or exceeded at numerous stations on the 5th. The coolest days included the 10th, 17th and 18th. In AUGUST mean temperature exceeded the average except at a few places in Devon and Cornwall. Except on the 1st and around the 18th and 19th there were, however, many cool days during the first three and a half weeks. A spell of unusual warmth occurred between the 27th and 29th; temperature reached 90°F. at numerous places in England on the 28th and at a few places in East Anglia on the 27th. In SEPTEMBER mean temperature was about average on the whole in Scotland and Northern Ireland but somewhat exceeded the average in England and Wales. The first three weeks were mainly mild, the warmest spells being the 1st-3rd and 8th-12th. The last week was cool; minima of 32°F. or below were registered at many places on the 26th and 27th and maxima below 50°F. were widely registered in the north and west on the 25th. Mean temperature in OCTOBER somewhat exceeded the average. The first 24 days were rather mild; maximum temperatures of 70°F. were registered at numerous places in England on the 2nd, 7th and 19th and at a few on the 1st, 4th and 14th, while the night of 22nd-23rd was unusually mild for one so late in the year. The last week was cold. In NOVEMBER, generally speaking, mean temperature was below the average except in the north of Scotland, the deficiency being greatest in the south. The first five days were cold generally and severe frost was also widely registered in Scotland on the 22nd and in England and Wales on the 22nd and 23rd. Ground frosts occurred very frequently. Mean temperature in DECEMBER exceeded the average by rather more than 3°F. The period 6th-22nd was exceedingly mild, both day and night temperatures being high. The first four days and the 29th and 30th were cold, severe screen frost being widely registered in Great Britain from the 2nd-4th.

The extremes for the year were:—(England and Wales) 93°F. at Sprowston on August 27th, 4°F. at Woburn on January 21st; (Scotland) 82°F. at Peebles on June 5th and at Ruthwell on August 28th, -3°F. at Braemar on March 8th; (Northern Ireland), 82°F. at Armagh on June 5th, 15°F. at Aldergrove on February 23rd.

The following table gives the monthly deviation from the average temperature in °F. for (a) England and Wales, districts 2, 3, 4, 5, 7 and 8 and (b) Scotland, districts 0, 1 and 6.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
(a)	-5.3	-7.1	-1.0	+2.3	-0.5	+0.8	-0.7	+1.5	+0.8	+1.4	-1.3	+3.5
(b)	-3.4	-4.5	-1.4	+2.1	-0.1	-0.2	-0.5	+1.2	+0.1	+0.4	-0.1	+3.1

Precipitation.—The general precipitation expressed as a percentage of the average for the period 1881-1915 was 97 over England and Wales, 102 over Scotland and 116 over Northern Ireland. In England and Wales more than the average was mostly confined to a large area covering East Anglia and East Kent, an area in the south extending along the coast from Devonshire to the Isle of Wight and northward over Dorset and Wiltshire to Oxford as well as in small isolated areas in Somerset, Glamorgan, north Warwick, north-west Wales, Lancashire and the Lake District. More than 110 per cent. was received over much of East Anglia and in the neighbourhood of Bishops Canning, Wiltshire. Somewhat less than 80 per cent. was reported around Bellingham (Northumberland), Scarborough, Derby, Mansfield, Easton-on-the-Hill (Northants), Kingston (Hereford), Newquay and St. Mary's, Scilly. Broadly speaking, in Scotland, more than the average occurred in the west and extreme north and less than the average in the east. More than 120 per cent. of the average was received in an area covering part of western Argyll, Jura and part of Islay. Less than 80 per cent. was measured locally in East Lothian and Roxburgh; at a few places in East Lothian 1942 was the driest year since the beginning of the century but over most of south-east Scotland 1933 was a little drier. In Northern Ireland the excess was general and percentages of the average ranged from 106 at Armagh Observatory to 120 at Seaford, County Down and 122 at Londonderry.

With regard to individual months February, April, June and November were all considerably drier than the average, particularly June and November. In Scotland March was also a very dry month. No measurable rain was recorded at Abergavenny, Monmouthshire, throughout June, and at Edgbaston, Birmingham, the total was the lowest for June since before 1893. November was the driest month of that name at Armagh in a record back to 1854 and at Aberdeen since observations were started in 1871 and over Scotland as a whole, apart from 1937, it was the driest November on record. On the other hand, January and May were mostly excessively wet and in Northern Ireland and Scotland the four consecutive months July to October were all wetter than usual, September notably so. In England and Wales the rainfall of August and September somewhat exceeded the average. In January the total rainfall at Queen's University, Belfast was the highest for January since the station was founded in 1866, while at Edinburgh and Arbroath the amount was approximately three times the average. May was excessively wet in south Devon and south Cornwall; at Falmouth it was the wettest May in a record back to 1871. In the north-west and extreme north of the British Isles rainfall was very frequent during the four months July to October.

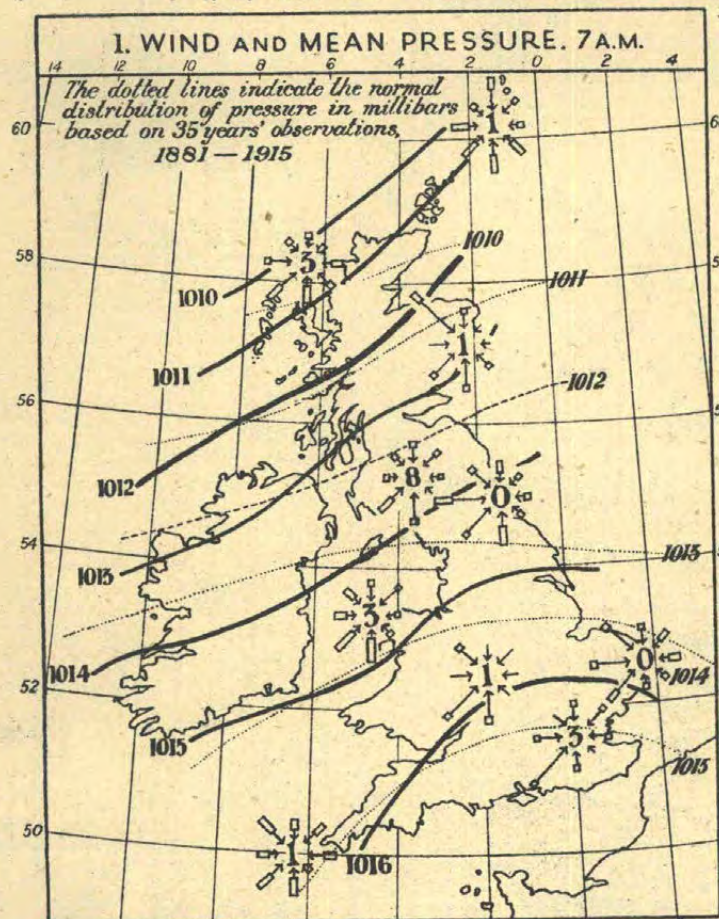
Periods of absolute drought in 1942 were more frequent than the average. At Worthing there were four such periods and at numerous other stations in England and Wales there were three. Four absolute droughts in a year at a single station is a rare occurrence in the British Isles, and three are infrequent.

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

June 30th	..	2.16 in. in 33 minutes at Maldon (Surrey).
July 22nd	..	3.94 in. at Blaenau Festiniog (Merioneth).

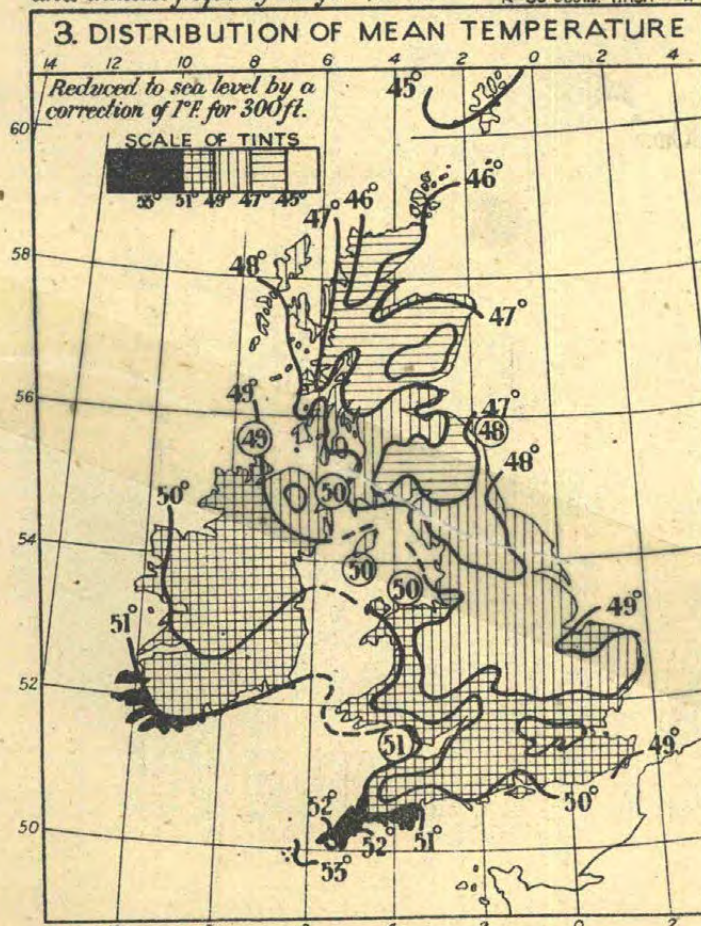
(Continued on page 173).

ANNUAL WEATHER CHARTS YEAR 1942

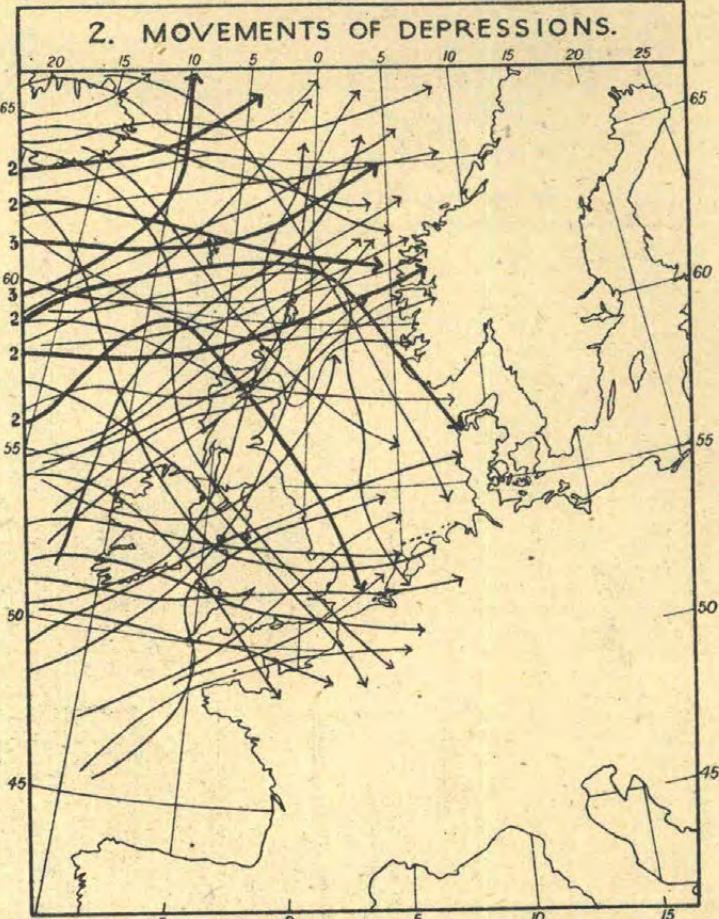


WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:

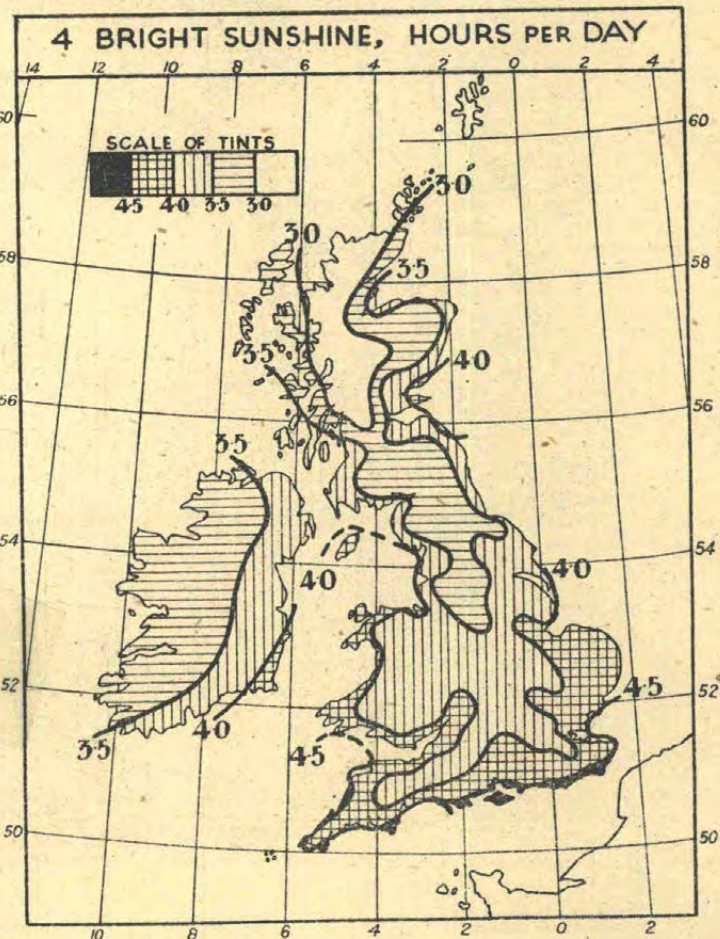
LIGHT TO STRONG
30 Obs. = 1 inch



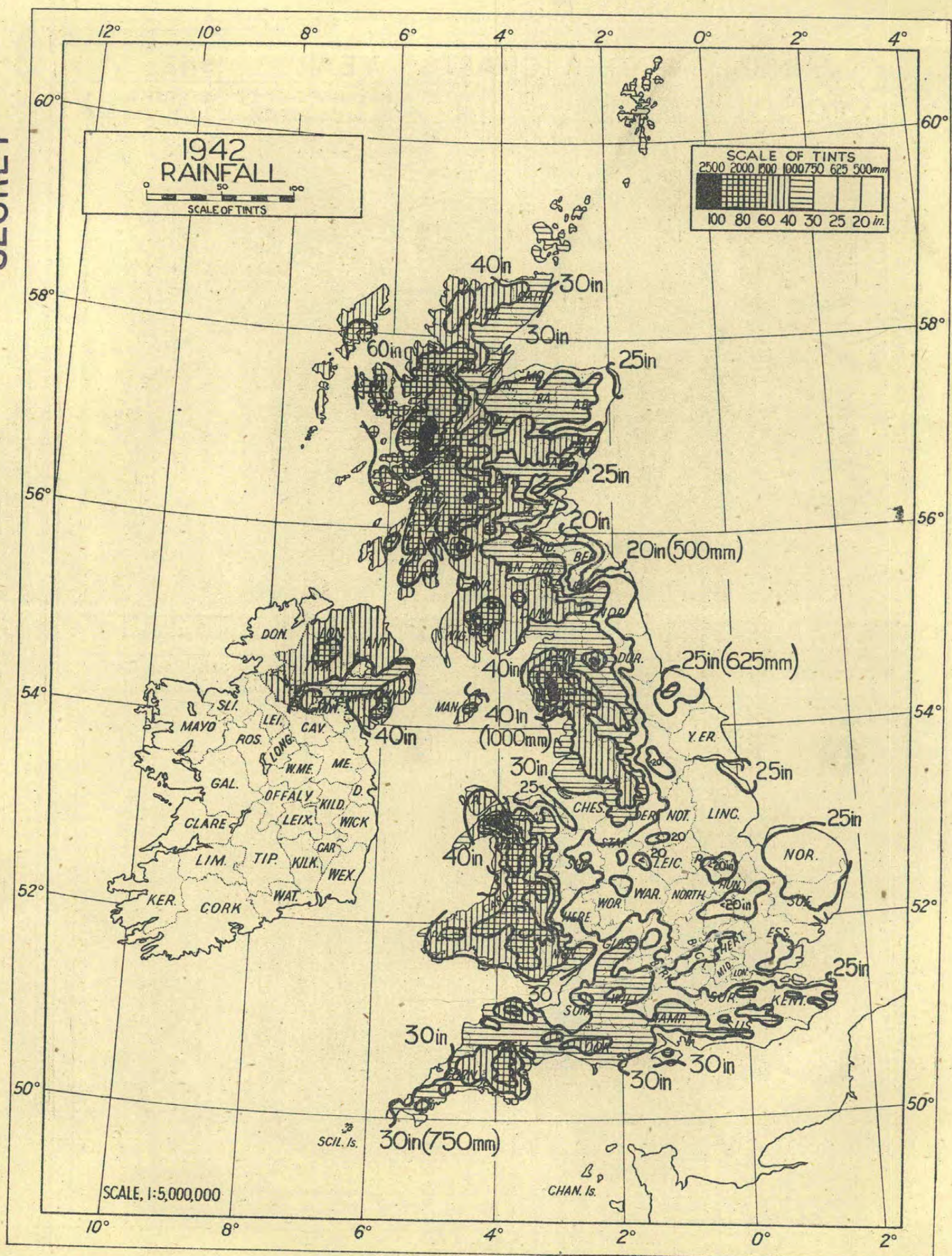
Sea temperatures are shown by figures in circles, thus: (50)



The figures indicate the number of depressions following each track



SECRET



Aug. 11th	4.34 in. at Glenshiel (Ross & Cromarty).
Aug. 29th	3.55 in. at Burnham-on-Sea (Somerset), of which 2.27 in. fell in 50 minutes.
Sept. 4th	4.26 in. at Conaglen in Ardgour, 5.08 in. at Borrowdale and 4.07 in. at Watendlath Farm (Cumberland).
Dec. 10th	3.85 in. at Ystalyfera (Glamorgan) and 3.54 in. at Princetown (Devon).

Thunderstorms.—There were considerably fewer thunderstorms than usual during the year, particularly in the north-west and extreme north. They occurred locally, however, in each month. Thunderstorms occurred frequently in the latter half of May and although they were not very frequent for the season in June, they were severe locally at times. In a severe storm in the Stour Valley on June 14th large hailstones caused great damage to fruit and vegetable crops; hailstones $\frac{1}{2}$ in. in diameter were observed during a thunderstorm in the Stroud area on June 6th and large hailstones were reported during a thunderstorm in the London area on the 30th. Thunderstorms occurred frequently during the first half of July and on July 3rd a fairly heavy storm was reported at Lerwick, an unusual occurrence in the Shetlands. Widespread and severe storms were experienced on August 2nd and 29th (see heavy falls of rain in table above). A house was struck by lightning at Largs (Sutherland) on September 23rd and a monument was damaged by lightning at Banff on the night of October 28th-29th.

Snow.—There was considerable snow at times during January, February and the first week in March. The snowstorms of January 19th-21st were widespread and severe. Level snow lay 6-8 inches deep over much of north-east England and the Midlands; locally, particularly in the west Midlands, it was 8-12 inches deep. In the north of Scotland heavy drifting seriously interfered with road and rail traffic; in the south of Scotland, West Linton had 2 ft. of undrifted snow and depths of 12-18 inches were reported from practically the whole of the southern counties. Snowfalls were heavy at times during the first week of February. Many Aberdeenshire villages were completely isolated for several days and on some of the roads near Kelso, Roxburgh, drifts were 18 ft. deep. In England, level snow was 10 inches deep at Bellingham from the 2nd-6th and 14 inches deep at Harrogate, 10-12 inches at Bingley and 10 inches at Mayfield, on the 31st. Owing to the persistently low temperature snow lay on high ground for a long time; at some places it remained throughout the month. Considerable snow falls occurred in some areas from March 4th-7th; for example, Perth had 9-10 inches of undrifted snow, and on the 5th level snow was 12 inches deep at Huddersfield.

Sunshine.—Sunshine was deficient at a large majority of stations; the percentage of the average for the districts ranged from 93 in Scotland, N. to 103 in Scotland, E. The mean daily duration in hours ranged from 2.5 in the Orkney and Shetland Islands and less than 3.0 in north-western and central Scotland to approximately 4.5 on most of the south coast of England from Ilfracombe round to Felixtowe: at no station was the mean daily duration as much as 5 hours (See chart 4). In relation to the average the dullest months were August and, in many districts, the three months January to March. Over a large part of England the total sunshine of the first three months of 1942 was the lowest recorded over a similar period for many years. January was exceptionally dull in eastern Britain; at Edinburgh it was the dullest January since 1917 and at Scarborough the incredibly low total of 8

hours was 9 hours less than the previous low record since observations were first taken in 1898. February was particularly dull in eastern districts of England and March in the Midlands. In Northern Ireland January was sunnier than usual but March was very dull. The deficiency in August was most marked in the northern half of the country; at Stornoway it was the dullest August in a record back to 1881 and at Eskdalemuir the dullest since 1912. On the other hand April and May were notably sunny, particularly April. It was the sunniest April for many years; for example, at Orkney, Nairn and Kilmarnock since records were first taken in 1880, 1907 and 1908 respectively and at Nottingham since 1909, while at Norwich the total reached the previous record in 1912. June was sunny in England and Wales and Northern Ireland and notably dull in Scotland; at Stornoway it was the dullest June on record. Of the remaining months, sunshine in October was in general appreciably below the average, July was rather dull on the whole in England and Wales but sunny in parts of Scotland and December was mainly dull, particularly in Northern Ireland, but it was generally sunny in south-east and east England.

The table below gives the monthly percentage of the average sunshine for (a) England and Wales, districts 2, 3, 4, 5, 7 and 8 and (b) Scotland, districts 0, 1 and 6.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
(a) 80	71	69	140	109	117	93	76	98	86	92	91	
(b) 77	99	78	151	126	76	102	61	104	88	104	91	

Fog.—Fog occurred on numerous occasions during the first three months, particularly in March. There was not much fog in April but it was thick at times on the south-west coasts of England and Wales on the 10th-11th and 13th-14th: fog was also fairly persistent locally on the south-west coasts of England and Wales on May 15th, 18th and 19th and June 20th, 21st and 29th. Fog was thick and rather persistent at St. Abb's Head on June 5th and at Sumburgh, Shetlands on June 6th. In October fog occurred rather frequently in England and in November fog developed frequently, particularly inland in England and especially in large towns; it was persistent locally at times, notably on the 2nd-5th, 11th-12th and 14th. The London area was enveloped in a particularly dense fog belt on the 11th. In December fog developed most frequently in England and in the Clyde area; it was persistent locally and thick at times.

Miscellaneous Phenomena.—The aurora was observed in Scotland in each month except June and July. It was observed most frequently in October, namely on 17 nights. A complex lunar halo with an arc of contact was seen at Canterbury on April 28th; the arc of contact was almost rainbow-hued, and on November 21st a mock moon showing prismatic colour and part of a paraselenic circle were observed at Whitley Bay, near Tynemouth. A complex solar halo phenomenon was seen at Fort Augustus on June 1st and a solar halo phenomenon which presented several infrequent features was widely observed in west and north Scotland on July 1st. At Haughley House, Suffolk, a violent squall on October 14th caused a good deal of damage and a line squall was reported at Colgate, near Horsham on December 5th. On January 30th snowflakes approximately 2 inches in diameter were observed at Belper, Derbyshire.

Note. It has not been possible to print the tables in strict sequence.

TABLE I.—DISTRICT VALUES FOR THE WHOLE YEAR, 1942. [1908, REVISED 1928 AND 1941.]

DISTRICTS.	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE.	
	High-est.	Low-est.	Daily Mean Difference from Average.	At 1 ft. Difference from Average.	At 4 ft. Difference from Average.	Per-centage of Average.	No. of Days Difference from Average.	Per-centage of Average.	Per-centage of Possible Duration.
0. SCOTLAND, N.	°F. 75	°F. 7	°F. -0.1	°F. —	°F. —	% 99	— 5	% 93	% 24
Eastern.									
1. SCOTLAND, E.	82	-3	-0.3	—	—	91	-11	103	30
2. ENGLAND, N.E.	89	7	-0.4	-0.4	-0.2	87	-19	101	31
3. ENGLAND, E.	93	4	-0.5	-0.6	-0.8	98	-22	95	33
4. MIDLAND COUNTIES	92	5	-0.3	-0.2	-0.2	92	-26	99	31
5. ENGLAND, S.E.	90	6	-0.9	-0.1	0.0	97	-23	98	35

DISTRICTS.	AIR TEMPERATURE			EARTH TEMPERATURE		RAINFALL		SUNSHINE.	
	High-est.	Low-est.	Daily Mean Difference from Average.	At 1 ft. Difference from Average.	At 4 ft. Difference from Average.	Per-centage of Average.	No. of Days Difference from Average.	Per-centage of Average.	Per-centage of Possible Duration.
Western.	°F.	°F.	°F.	°F.	°F.	%		%	%
6. SCOTLAND, W.	82	12	-0.5	-0.2	-0.6	109	-3	100	29
7. ENGLAND, N.W. (and N. Wales)	88	11	-0.4	-0.2	0.0	97	-11	98	31
8. ENGLAND, S.W. (and S. Wales)	88	11	-0.2	-0.4	-0.2	90	-12	96	33
NORTHERN IRELAND	82	15	0.0	—	—	113	-1	99	29
MEAN 0, 1, 6	—	—	-0.3	—	—	—	—	99	28
MEAN 2, 3, 4, 5, 7, 8	—	—	-0.5	—	—	—	—	98	32

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1942. [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, in the Wind Section.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1942.

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation.		Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.		
					Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.		Total Fall.	Percentage of Average.			Most in a day.		Precip'n.		Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.						
					A	B		Amount.	Date.					.01 in. (0.2 mm.) or more.	.04 in. (1 mm.) or more.	Daily Mean.	Percentage													
					Max.	Min.											of Average.							of Possible.						
		Max.	Min.	Mean of A and B.	°F.	°F.	°F.	°F.	°F.			°F.	°F.	°F.	mm.	in.	%							in.						
0. SCOTLAND, N.		G.M.T.		ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.																		
Shetland.	Baltasound	9 9 9	31	49.0	40.0	44.7	0.4	68	21	45.4	—	1211	47.67	113	1.04	31 Mar.	316	212	50	29	30	3	9	—	30	2.54	89	21		
	Lerwick Obsy.	9 9 9	269	48.2	40.2	44.2	0.3	63	20	—	—	1038	40.86	107	1.04	13 Jan.	267	184	50	26	25	5	21	75	50	2.53	85	21		
Orkney.	Sumburgh (Links)	18-7 7	19	48.4	42.5	45.5	—	62	21	—	—	962	37.88	—	1.06	13 Jan.	250	181	59	32	31	2	14	60	35	2.53	85	21		
	Kirkwall	9 9 9	113	49.8	41.8	45.8	0.1	70	23	46.2	—	949	37.37	101	1.02	18 Oct.	241	177	43	19	7	0	4	74	22	2.96	93	24		
Hebrides.	Skallary	10 10 10	30	52.6	—	—	—	64	—	—	—	1276	50.23	—	.88	6 Dec.	269	201	—	—	—	—	—	—	—	—	—	—	—	
	Stornoway	18-7 7	79	51.2	43.2	47.2	0.4	68	26	—	—	1141	44.92	95	1.45	4 Dec.	253	197	22	10	19	0	2	—	47	3.05	92	25		
Skye.	Duntuilm	9 9 9	294	51.1	42.7	46.9	—	70	27	—	—	1449	57.05	—	1.04	1 June	254	210	14	6	10	3	10	83	49	3.16	—	26		
Caithness.	Wick	18-7 7	115	50.0	40.9	45.4	0.3	71	25	—	—	757	29.81	100	1.05	18 Oct.	231	153	54	29	24	1	12	—	24	—	—	—		
Sutherland.	Cape Wrath	18-7 7	367	—	—	—	—	—	—	—	—	1324	52.11	—	1.76	18 Oct.	255	200	30	—	27	3	17	29	21	—	—	—	—	
Ross & Cromarty.	Achnashellach	9 9 9	225	52.7	39.4	41.1	0.3	73	23	—	—	1911	75.25	89	1.75	9 Oct.	253	211	45	16	0	0	1	—	1	—	—	—	—	
Inverness.	Fortrose	9 9 9	69	53.3	41.0	47.1	0.1	72	22	—	—	680	26.77	—	1.87	20 Sept.	219	132	28	20	2	1	1	—	8	3.47	96	28		
	Dalwhinnie	18-7 7	1176	49.0	36.3	42.7	—	72	7	—	—	1097	43.21	—	1.41	20 Sept.	218	164	44	46	2	3	162	2	3.03	—	25S			
	Ft. Augustus	9 9 9	68	53.1	39.8	46.4	0.1	75	18	—	—	1087	42.81	97	1.65	7 Dec.	209	155	10	5	0	1	1	—	9	2.68	98	22S		
	Ft. William	9 9 9	34	53.2	41.0	47.1	0.1	71	20	47.4	48.0	1972	77.65	98	2.13	9 Oct.	227	187	18	10	9	1	1	69	1	2.67	94	22S		
	Inverness	9 9 9	242	52.3	40.4	46.3	0.7	72	21	—	—	655	25.79	93	1.62	20 Sept.	177	138	32	13	1	0	0	82	0	3.40	99	28		
	Onich	9 9 9	48	53.3	40.7	47.0	—	73	20	—	—	2117	83.38	115	1.92	3 Oct.	251	209	23	22	0	0	0	147	0	2.64	92	22S		
1. SCOTLAND, E.																														
Nairn.	Nairn	9 9 9	20	52.9	40.9	46.9	0.1	73	20	—	—	637	25.06	100	1.31	20 Sept.	184	116	44	17	9	4	1	124	9	3.60	103	29		
Moray.	Forres	9 9 9	155	53.7	39.8	46.7	—	76	19	—	—	723	28.45	—	1.26	30 Jan.	182	139	18	31	0	4	2	130	1	3.60	—	29		
	Gordon Castle	21 21 9	104	53.4	39.9	46.7	0.2	77	20	—	—	731	28.80	97	1.11	3 Feb.	178	147	27	19	2	6	—	—	—	—	—	—		
Banff	Banff	9 9 9	130	51.8	41.4	46.6	0.1	74	23	—	—	640	25.19	94	1.05	4 Dec.	209	146	47	23	9	3	1	75	17	3.42	96	28		
Aberdeen.	Aberdeen	24 24 24	79	51.2	41.5	46.3	0.2	77	23	46.4	46.6	684	26.91	91	1.05	18 Oct.	185	119	53	34	4	5	21	90	1	3.52	97	28		
		18-7 7	—	51.4	41.1	46.3	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kincardine.	Balmoral	9 9 9	927	50.8	35.6	43.2	0.3	76	5	—	—	685	26.99	82	.87	25 Jan.	200	136	31	80	1	3	—	180	3	—	—	—	—	
	Braemar	21 21 9	1111	50.2	34.8	42.5	0.8	76	3	—	—	774	30.48	86	.86	10 Dec.	208	151	56	83	1	3	0	177	—	2.93	—	24S		
	Craibstone	9 9 9	300	51.1	39.1	45.1	0.6	77	19	45.6	45.6	786	30.96	98	1.98	20 Sept.	192	133	34	63	16	5	—	150	—	3.72	96	30		
	Tarland	9 9 9	540	51.7	36.6	44.1	—	78	8	—	—	715	28.13	—	1.06	20 Sept.	201	139	47	80	1	6	—	6	—	—	—	—		
	Stonehaven	9 9 9	12	54.5	37.8	46.1	—	80	18	—	—	730	28.73	—	1.41	20 Sept.	201	130	21	21	1	5	2	—	1	3.70	—	30		
	Arbroath	9 9 9	93	52.5	39.5	46.0	0.9	76	19	—	—	612	24.06	94	1.18	20 Sept.	152	110	—	—	—	—	—	—	—	4.08	100	33		
	Carnoustie	9 9 9	39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Dundee	9 9 9	147	54.1	38.1	46.1	0.8	79	23	46.8	—	642	25.28	96	1.28	20 Sept.	183	124	33	52	3	11	—	161	6	3.88	104	32		
	Kettins	9 9 9	218	52.6	38.0	45.3	0.6	76	10	46.7	—	746	29.37	92	1.31	20 Sept.	171	123	33	53	5	6	12	145	21	—	—	—		
	Montrose	9 9 9	16	52.1	40.1	46.1	0.4	79	21	—	—	585	23.02	—	1.17	20 Sept.	170	113	32	28	5	10	4	—	8	3.82	100	31		
Perth.	Perth	9 9 9	76	54.2	39.5	46.9	0.2	77	16	—	—	634	24.94	81	1.36	20 Sept.	177	127	32	44	3	3	—	—	11	3.78	102	31		
	Fife.	9 9 9	210	52.9	39.9	46.4	0.3	76	20	—	—	663	26.12	—	1.29	20 Sept.	190	136	19	62	2	4	—	0	—	—	—	—	—	
	Cupar	9 9 9	237	52.9	40.2	46.5	—	75	20	48.0	48.1	637	25.08	—	.94	20 Sept.	179	130	31	36	3	6	31	133	2	3.75	—	31		
	Dunfermline	9 9 9	137	53.5	38.8	46.1	1.8	(76)	18	—	—	603	23.74	—	.98	9 July	169	124	13	35	0	2	—	0	—	3.77	—	31		
	Kirkcaldy	9 9 9	137	53.5	38.8	46.1	1.8	(76)	18	—	—	603	23.74	—	.98	9 July	169	124	13	35	0	2	—	0	—	3.77	—	31		
	Leuchars	18-7 7	36	52.9	41.4	47.1	0.2	78	22	—	—	566	22.30	87	1.35	20 Sept.	175	118	32	27	10	6	11	109	6	4.32	107	35		
	Lundin Links	9 9 9	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	St. Andrews	9 9 9	13	52.9	40.1	46.5	0.6	76	20	46.3	46.6	650	25.61	95	1.05	20 Sept.	160	121	37	27	1	6	4	108	4	4.03	104	33		
Mid Lothian.	Balerno	9 9 9	750	51.0	39.3	45.1	—	75	15	—	—	851	33.52	—	1.46	2 Feb.	187	147	22	40	1	1	8	109	0	3.91	—	32		
	Edinburgh—																													
	Blackford H.	21 21 9	441	52.5	41.3	46.9	0.0	77	22	—	—	566	22.31	85	—	—	176	121	32	39	2	4	33	87	22	3.90	104	32		
	Botanic Garden	9 9 9	74	54.0	40.1	47.1	—	77	17	—	—	526	20.70	—	.99	16 July	173</													

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1942.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.				
	Max.	Min.	Rain.		Means of		Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.	1 ft.	4 ft.	Total Fall.	Percentage of Average.	Most in a day.		Precip'n. .01 in. (0.2 mm.) or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.								
					A	B							Amount.	Date.									Daily Mean.	Percentage of Average.	of Possible.						
					Max.	Min.																									
6a. SCOTLAND, W.—cont.																															
Lanark.	Carlisle	9	9	9	534	52.1	40.1	46.1	—	79	18	—	—	695	27.37	—	1.80	20 Sept.	189	130	33	29	5	2	3	105	7	3.48	—	28	
	Dungavel	9	9	9	798	50.9	37.1	44.0	—0.6	78	14	—	—	1031	40.60	—	1.19	4 Dec.	204	166	28	44	0	2	7	116	2	—	—	—	
	Glasgow	9	9	9	351	53.0	39.5	46.3	—	80	18	—	—	1007	39.64	—	1.58	20 Sept.	220	165	23	22	7	4	—	156	—	2.92	—	24	
	(Springb'n P'rk)																														
Ayr.	Auchincruive	9	9	9	89	54.5	40.5	47.5	—	76	16	48.5	48.9	885	34.84	—	1.19	7 Aug.	204	146	12	9	2	1	2	138	1	3.70	—	30	
	Ayr	9	9	9	43	53.9	41.4	47.7	—	71	19	—	—	837	32.94	—	1.11	20 June	172	158	9	4	0	0	—	90	0	3.66	—	30	
	Colmonell	9	9	9	170	53.9	39.9	46.9	—1.2	75	17	—	—	1113	43.81	98	1.18	25 Oct.	216	166	14	4	12	3	2	118	13	—	—	—	
	Kilmarnock	9	9	9	130	54.5	40.0	47.3	—0.4	77	16	48.2	48.9	1044	41.11	—	1.68	7 Aug.	194	157	22	13	2	2	5	107	10	3.68	107	30	
	Prestwick	9	9	9	17	53.4	42.3	47.9	—	73	20	—	—	759	29.89	—	1.12	7 Aug.	166	136	11	7	1	0	27	93	2	3.66	—	30	
	Troon	9	9	9	15	53.2	42.5	47.9	—	71	21	—	—	871	34.29	—	1.69	8 Aug.	176	142	13	7	2	0	13	—	1	3.92	—	32	
	Turnberry	9	9	9	30	54.0	43.0	48.5	—0.0	74	25	—	—	769	30.28	93	1.04	25 Oct.	189	148	8	4	2	0	—	2	3.95	105	32		
Dumfries.	Dumfries	9	9	9	140	53.3	40.4	46.9	—0.6	81	20	48.0	48.1	1061	41.78	107	1.34	4 Sept.	193	153	32	30	6	4	25	151	—	3.54	98	29	
	Eskdalemuir	9	9	9	794	50.7	36.6	43.7	—0.6	77	12	46.5	46.7	1504	59.23	105	2.29	5 Sept.	221	170	54	68	16	4	25	130	10	3.46	105	28	
	Ruthwell	21	21	9	67	53.9	39.2	46.5	—1.0	82	18	—	—	808	31.82	—	1.21	4 Mar.	181	145	14	18	0	6	—	—	1	3.42	99	285	
Kirkcudbright.	Glenlee	9	9	9	181	53.7	39.1	46.4	—	80	15	—	—	1578	62.11	—	2.24	10 Dec.	204	164	34	21	1	4	9	131	1	—	—	—	
Wigtown.	Newton Stewart	9	9	9	75	53.3	39.9	46.6	—	79	17	—	—	1311	51.61	—	1.92	22 Jan.	201	162	15	8	2	3	19	—	1	—	—	—	
6b. ISLE OF MAN.																															
Isle of Man.	Douglas	9	9	9	284	53.0	43.4	48.2	—0.4	76	26	—	—	1209	47.58	116	2.25	25 Oct.	202	150	12	—	7	4	17	51	1	4.34	101	35	
	Point of Ayre	18	—	7	30	54.3	44.7	49.6	—	74	24	—	—	825	32.49	—	1.48	25 Oct.	189	134	14	5	2	3	4	—	13	4.06	—	33	
2. ENGLAND, N.E.																															
Northumberland.	Berwick-on-T.	9	9	9	76	51.9	41.3	46.6	—0.5	81	21	—	—	406	15.97	68	.75	24 Jan.	155	93	44	22	24	10	5	79	6	4.00	101	33	
	Bellingham	9	9	9	849	51.4	36.9	44.1	—0.8	80	15	—	—	709	27.93	79	1.32	25 Oct.	197	149	47	74	0	6	10	—	—	—	—	—	
	Cockle Park	21	21	9	325	53.3	39.7	46.5	+0.2	82	20	45.9	46.9	602	23.70	83	1.28	10 July	164	112	—	—	4	9	111	2	3.79	100	31		
Durham.	Newcastle	9	9	9	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Tynemouth	18	—	7	108	51.9	43.5	47.7	—0.6	86	22	—	—	516	20.33	83	1.19	25 Oct.	173	99	27	18	2	13	14	—	15	(3.65)	—	(30)	
	Chopwellwood	9	9	9	446	53.2	39.6	46.4	+0.1	84	18	—	—	594	23.39	81	1.90	25 Oct.	178	112	20	57	2	6	6	138	—	3.49	94	29	
	Durham	21	21	9	336	53.9	39.0	46.5	—0.2	84	14	—	—	515	20.26	83	.63	25 Sept.	176	113	—	—	—	—	—	26	96	0	3.63	101	30
	Houghall	9	9	9	160	54.4	38.5	46.5	—0.8	85	7	—	—	550	21.64	—	1.27	25 Oct.	154	115	32	39	2	5	24	142	3	3.45	97	28	
Yorks., N. Riding	Ushaw College	9	9	9	594	52.6	40.1	46.3	—0.4	84	12	—	—	577	22.73	80	1.51	25 Oct.	162	114	28	42	1	4	70	—	—	—	—	—	
	Ampleforth	9	9	9	313	54.0	40.4	47.2	—0.1	84	17	—	—	685	26.95	—	1.10	2 Feb.	162	126	20	58	1	11	40	128	—	3.69	—	30	
	Castleton	9	9	9	450	52.7	38.7	45.7	—	86	10	47.1	—	788	31.02	—	1.60	17 July	178	142	39	64	2	8	7	123	—	—	—	—	
	Catterick	18	—	7	175	53.2	41.4	47.3	—	83	12	—	—	539	21.25	—	1.12	4 Mar.	163	94	39	46	4	5	57	103	0	3.80	—	31	
	Redcar	9	9	9	25	53.8	42.6	48.2	—	85	22	—	—	531	20.90	—	.72	1 Nov.	153	95	—	—	—	—	—	57	—	3.49	—	29	
	Scarborough	9	9	9	118	54.2	43.3	48.7	—0.5	84	22	—	49.4	507	19.95	77	.74	25 Aug.	173	120	25	31	6	3	12	82	2	3.79	99	31	
	Whitby	9	9	9	148	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Yorks., E. Riding.	York	9	9	9	57	(54.6)	(41.8)	(48.2)	(—0.7)	(88)	17	48.2	48.6	583	22.93	94	1.16	26 Aug.	168	115	32	47	3	11	—	—	0	3.68	108	30	
	Bridlington	21	21	9	76	53.7	40.8	47.3	—0.3	79	14	—	—	587	23.11	—	1.09	4 Jan.	172	115	25	52	1	11	16	—	—	3.71	94	30	
	Hull	21	21	9	8	—	—	—	—	86	22	—	48.8	578	22.74	90	.64	24 Sept.	187	119	34	51	5	15	39	102	—	3.56	98	29	
	Spurn Head	18	—	7	29	52.1	44.0	48.1	—1.0	76	23	—	—	469	18.45	81	.62	28 Sept. 1 Nov.	150	109	33	24	10	7	12	—	9	4.04	97	33	
	Boston (Freiston Road)	18	—	7	16	55.0	41.7	48.3	—	88	21	—	—	590	23.24	—	.89	2 Aug.	168	114	36	38	25	15	21	110	—	—	—	—	
	(N. Sea Camp)	18	—	7	0	54.9	41.7	48.3	—	89	18	—	—	554	21.79	—	1.00	4 Mar.	165	99	42	39	14	15	29	—	—	4.02	—	33	
	Cranwell	18	—	7	203	54.3	41.4	47.9	—0.6	87	16	48.5	48.3	566	22.28	98	1.16	1 Nov.	160	98	41	44	3	4	33	88	0	4.14	99	34	
Lincoln	Cleethorpes	9	9	9	23	54.1	42.4	48.3	—0.7	82	18	—	—	485	19.08	—	.75	1 Nov.	154	104	29	47	6	11	32	—	—	3.85	94	31	
	Skegness	9	9	9	15	53.1	(42.1)	(47.6)	(—0.7)	77	—	—	—	526	20.70	89	.99	1 Nov.	141	111	30	38	13	8	24	—	—	3.99	91	33	
3. ENGLAND, E.																															
Norfolk.	Cromer	9	9	9	178	55.0	42.5	48.7	—0.6	92	18	—	—	595	23.42	98	1.14	26 July	167	108	40	44	12	14	4	93	0	4.01	92	33	
	Hunstanton	9	9	9	100	55.8	42.5	49.1	—0.7	89	17	—	—	538	21.19	—	.93	1 Nov.	154	107	24	—	2	10	0	—	—	4.19	97	34	
	Norwich	9	9	9	110	55.8	41.5	48.7	—0.7	91	17	48.2	—	537	21.13	—	.84	4 Mar.	170	116	34	41	3	13	—	115	—	4.15	96	34	
	Sprowston	9	9	9	93	(55.3)	(41.3)	(48.3)	(—0.8)	93	—	—	—	667	26.25	—	.85	1 Nov.	103	122	29	48	0	3	—	120	—	4.16	95	34	
	Terrington	9	9	9	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				

TABLE III (continued).—SUMMARY of the RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1942.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.																																																																																																																																																																																																																																																			
	Max.	Min.	Rain.		Means of		Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Percentage of Average.	Most in a day.		Precip'n. (0.2 mm. or more.)	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.).	Ground Frost.	Gale.	Hours per day.																																																																																																																																																																																																																																																					
					A Max.	B Min.			°F.	°F.					°F.	°F.									Amount.	Date.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.	°F. in. (1 mm.) or more.</

SECRET

† Sunshine recorder is at Seed Trial Grounds.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1942

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Max.	Min.	Rain.		Means of		Mean of A and B.	Difference from Average.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Percentage of Average.	Most in a day.		Precip'n.		Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					A Max.	B Min.			°F.	°F.					°F.	°F.	°F.	°F.								mm.	in.	%	in.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.</

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1942.

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.	Total Fall.			Percentage of Average.	Most in a day.		Precip'n.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	Hours per day.								
						A Max.	B Min.								Amount.	Date.									'01 in. ('02 min.) or more.	'04 in. ('1 mm.) or more.	Daily Mean.	Percentage of Average.	of Possible.				
		Max.	Min.	Rain.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	mm.	in.	%	in.	'01 in. ('02 min.) or more.	'04 in. ('1 mm.) or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morn'g Obs.)	Ground Frost.	Gale.	hr.	%	%				
8b. ENGLAND, S.W.—cont.		G.M.T.	ft.																														
Cornwall.	Bude ..	9 9 9	50	56.5	45.0	50.7	0.0	85	20	—	—	842	33.15	99	1.79	29 Sept.	193	144	1	0	12	5	1	—	—	—	—	—	—	4.65	103	38	
	Ellbridge ..	9 9 9	200	56.7	43.7	50.2	—	82	16	—	—	1183	46.57	—	1.40	3 Mar.	192	160	1	1	5	7	9	91	—	—	—	—	—	4.37	—	36	
	Falmouth Obs. †	9 9 9	167	56.8	46.3	51.5	+0.2	79	23	53.6	53.9	957	37.69	86	1.28	3 Mar.	196	150	3	1	9	8	13	51	—	—	—	—	—	4.50	102	37	
	Fowey ..	9 9 9	51	—	—	—	—	—	—	—	—	781	30.75	—	1.51	3 Mar.	185	145	3	—	7	1	15	—	—	—	—	—	—	4.25	94	35	
	Gulval ..	9 9 9	20	57.2	46.4	51.8	+0.1	81	25	—	—	873	34.39	—	1.08	3 July	195	137	4	0	4	3	7	37	—	—	—	—	—	4.60	98	38	
	The Lizard ..	18—7 7	240	55.2	47.2	51.2	—	74	27	—	—	811	31.93	—	1.18	{ 3 Mar. } 29 Oct.	194	143	2	0	3	2	21	—	14	—	—	—	—	4.75	—	39	
	Newquay ..	9 9 9	182	55.8	45.8	50.8	+0.1	84	21	51.8	52.1	663	26.11	78	.82	23 Jan.	186	133	1	—	11	3	10	—	5	—	—	—	4.66	101	38		
	Penzance ..	9 9 9	55	57.1	46.8	51.9	—0.6	81	25	—	—	914	35.97	88	1.15	3 July	194	140	3	1	2	0	6	—	—	—	—	—	—	4.44	96	36	
Perranporth ..	9 9 9	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Tintagel ..	9 9 9	260	54.8	46.3	50.5	—	83	20	—	—	—	744	29.30	—	.95	23 Jan.	183	128	2	0	1	3	18	—	—	—	—	—	—	4.52	—	37	
NOTHERN IRELAND																																	
London-derry.	Castlerock ..	9 9 9	57	54.3	43.0	48.7	—	73	25	—	—	1054	41.51	—	1.57	7 Aug.	234	176	—	—	—	—	1	43	13	—	—	—	—	—	—	—	—
	Garvagh ..	7 7 7	121	54.4	40.4	47.4	—	79	21	—	—	1158	45.60	117	1.31	3 July	239	174	28	7	17	13	15	117	—	—	—	—	—	—	—	—	—
(Moneydig)	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Antrim.	Aldergrove †	18—7 7	268	53.7	41.3	47.5	—0.3	81	15	—	—	971	38.23	116	1.24	3 July	220	162	21	8	13	9	13	88	0	—	—	—	—	—	3.58	99	29
Down.	Donaghadee †	8 8 8	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.79	—	31
Armagh.	Hillsborough ..	9 9 9	388	53.0	41.4	47.2	—	75	21	48.9	—	834	32.83	—	1.40	8 July	211	167	22	7	8	8	9	90	5	—	—	—	—	—	3.56	96	29
	Armagh †	21 21 9	204	55.3	42.0	48.7	+0.4	82	20	49.9	50.2	857	33.73	106	1.00	3 July	221	160	21	8	9	5	6	64	1	—	—	—	—	—	3.59	102	29
Scilly.	St. Mary's	18—7 7	163	56.3	48.6	52.5	+0.3	72	31	—	—	635	24.99	78	.74	17 May	175	127	1	0	5	0	18	—	7	—	—	—	—	—	4.76	101	39
GIBRALTAR...	..	18—7 7	400	67.8	58.3	63.1	—1.4	96	39	—	—	1059	41.69	—	2.65	20 Nov.	111	80	1	0	3	11	4	0	1	—	—	—	—	—	7.82	—	61
MALTA.	..	18—7 7	231	70.6	61.3	65.9	+0.1	94	42	—	—	675	26.56	146	—	—	90	72	0	0	11	20	1	—	4	—	—	—	—	—	—	—	

†, S See Notes on Tables on page 198

†† Sunshine recorder is at Mount Stewart.

SECRET

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1942.

DISTRICT, COUNTY AND PLACE.			Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.						VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS.									FORCE (0-12).					DIRECTION.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
												0	1 to 3	4 to 6	7 to 9	10	FOG				Mist.	Poor Vis.	Mod. Vis.	Good Vis.	8 or more.	6 to 7	4 to 5	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
																	0	1	2	3																		4	5	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
0. SCOTLAND, N.			GMT.	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Year 1942.

DISTRICT, COUNTY AND PLACE.		Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.						VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).					DIRECTION.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
											0	1 to 3	4 to 6	7 to 9	10	FOG				Mist.	Poor vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	6 to 7	4 to 5	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																0	1	2	3				4	5	6														7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
																																			0	1	2	3	4	5	6	7	8	9	8 or more.	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

TABLE IV. (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year, 1942.

DISTRICT, COUNTY AND PLACE.		Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				At Mean Sea Level	Difference from Average	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
											0	1 to 3	4 to 6	7 to 9	10	FOG				Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.					8 or more.	6 to 7	4 to 5	1 to 3	Calms.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
																0	1	2	3				4	5	6	7	8														9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
5. ENGLAND, S.E.—cont.		GMT	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Year 1942.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.		VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			At Mean Sea Level.	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
										0	1 to 3	4 to 6	7 to 9	10	FOG				Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	6 to 7	4 to 5	1 to 3	Calms.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
															0	1	2	3				4	5	6														7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8b. ENGLAND, S.W.	GMT	ft.	mb.	mb.	°F.	°F.	mb.	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</

TABLE V [1913].—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

*DISTRICT AND PLACE.	WARMEST				COLDEST				*DISTRICT AND PLACE.	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.			Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.	
9. SCOTLAND, N.		°F		°F		°F		°F	6a. SCOTLAND, W.		°F.		°F.		°F.		°F.
Baltasound ..	April 16	68	Aug. 11	55	Jan. 25	25	Jan. 26	21	—contd.								
Lerwick Obsy. Sumburgh (Links) ..	Jy. 8, Au. 27	63	Aug. 12	54	Jan. 25	26	Jan. 26	20	Oban ..	—	—	Aug. 8	57	Mar. 6	31	Feb. 23	22
Kirkwall ..	Aug. 19	62	Aug. 11, 26	55	Ja. 25, Mar. 5	29	Jan. 26	21	Tiree ..	Aug. 1, 26	66	Au. 1, 8, 9, 10 15, 28, Se. 8	56	Mar. 6	31	Mar. 6	27
Skallary ..	Aug. 2	64	Aug. 9	56	Mar. 5	30	Mar. 6	23	Rothsay ..	June 5	71	Aug. 8	56	Mar. 6	31	Feb. 20	23
Stornoway ..	July 2	68	Jy. 20, Au. 8, 9, 28	56	Mar. 6	32	Dec. 2	26	Cardross ..	June 5	73	July 3	57	Jan. 21	27	Feb. 23	19
Duntuilm ..	Jy. 2, Au. 26	70	July 3	58	Mar. 6	32	Mar. 7	27	Helensburgh ..	Ju. 5, Au. 1, 27, 28	73	Aug. 8	58	Jan. 21	26	Feb. 23	17
Wick ..	Aug. 27	71	Au. 26, Se. 8	54	Mar. 5	29	Ja. 6, 26, Mar. 5, 6	25	Balfron ..	June 5	75	Aug. 8	59	Mar. 5	28	Feb. 23	15
Cape Wrath ..	—	—	Aug. 19	57	—	—	Ja. 26, (Mar. 6)	26	Stirling ..	June 5	76	July 3, Aug. 8, 18	58	Jan. 21	28	Feb. 20, 23	20
Achnashellach	Aug. 26	73	Aug. 2	56	Mar. 5	31	Ja. 31, Fe. 25, De. 3	23	Greenock ..	June 5	73	Ju. 6, Au. 8	59	Jan. 21	28	Feb. 23	24
Fortrose ..	Aug. 7	72	Aug. 8	57	Mar. 5	32	Mar. 8	22	Paisley ..	June 5	78	July 3, Au. 7, 18	58	Dec. 3	30	Feb. 23	22
Dalwhinnie ..	Aug. 1	72	Aug. 8	57	Jan. 21	25	Mar. 1	7	Renfrew (Abbotsinch)	June 5	78	Aug. 8	61	Dec. 3	27	Feb. 20, 23	18
Fort Augustus ..	July 2	75	(Aug. 19)	(57)	Mar. 5, 6	33	Feb. 20	18	Carlisle ..	June 5	79	June 6	60	Mar. 5	28	Feb. 23	18
Fort William ..	April 17	71	July 6	57	Ja. 10, Mar. 5, 6	33	Feb. 20, 23	20	Dungavel ..	June 5	78	Aug. 8, 26	55	Ja. 21, Mar. 5	27	Feb. 23	14
Inverness ..	Ju. 5, Au. 27	72	Aug. 8, 19	57	Mar. 5	30	Mar. 8	21	Glasgow ..	June 5	80	Aug. 8	58	Jan. 21	26	Feb. 23	18
Onich ..	April 17	73	Aug. 19	57	Mar. 6	33	Feb. 23	20	(Springb'n'P'k)	June 5	76	Aug. 8	60	Mar. 6	31	Feb. 23	16
1. SCOTLAND, E.									Auchincruive ..	June 5	71	Aug. 26	57	Mar. 6	31	Feb. 23	19
Nairn ..	Aug. 7, 27	73	Aug. 8, 19	59	Mar. 6	31	Mar. 8	20	Colmonell ..	June 5	75	Jy. 3, Au. 7, 8, 26	57	Mar. 6	30	Feb. 23	17
Forres ..	Aug. 27	76	Aug. 1	58	Mar. 5, 6, 7	32	Feb. 19	19	Kilmarnock ..	June 5	77	Aug. 8	60	Jan. 21	29	Feb. 23	16
Gordon Castle	Aug. 26	77	Aug. 1, 8	59	Mar. 6	31	Mar. 8	20	Prestwick ..	July 2	73	July 3, Au. 8, 18	58	Mar. 6	31	Feb. 23	20
Banff ..	Jy. 2, Au. 27	74	Ju. 6, Au. 1, Se. 1	59	Jan. 26, 30	32	Ja. 27, 30, Mar. 8	23	Troon ..	Aug. 1	71	Aug. 18, 26	58	Mar. 6	31	Feb. 23	21
Aberdeen ..	June 6	77	Aug. 8	57	Jan. 26	29	Feb. 25	23	Turnberry ..	June 5	74	Aug. 26	59	Mar. 6	31	Feb. 22, 23	25
Balmoral ..	June 5	76	Jy. 3, Au. 8	57	Mar. 5	24	Mar. 8	5	Dumfries ..	June 5	81	Aug. 8	59	Jan. 21	27	F. 20, De. 3	20
Braemar ..	June 6	76	Sept. 8	55	Jan. 26	28	Mar. 8	—3	Eskdalemuir ..	June 5	77	Oct. 18	55	Jan. 22	24	Feb. 26	12
Craibstone ..	June 6	77	Aug. 18	57	Mar. 5	28	Feb. 25	19	Ruthwell ..	Aug. 28	82	Aug. 26	58	Jan. 20, 21	29	F. 20, De. 4	18
Tairland ..	June 6	78	June 3	57	Mar. 5	25	Mar. 8	8	Glenlee ..	June 5	80	Aug. 7, 8, 26	57	Jan. 21	27	Feb. 20	15
Stonehaven ..	June 6	80	Aug. 8	57	Mar. 5	33	Feb. 25	18	Newton Stewart	June 5	79	Aug. 26	58	Jan. 21	30	Feb. 20	17
Arbroath ..	June 6	76	Aug. 18	57	Mar. 5, 6	30	Jan. 31	19	6b. ISLE OF MAN								
Dundee ..	June 6	79	Aug. 8, 12	56	Mar. 5	29	F. 11, 25, 26	23	Douglas ..	Ju. 5, Au. 28	76	June 6	59	Mar. 5, 6	32	Feb. 24	26
Kettins ..	June 4, 6	76	Aug. 27	59	Mar. 5, 6	28	Dec. 4	10	Point of Ayre	June 4	74	Aug. 7, 8	59	Mar. 6	31	Feb. 24	24
Montrose ..	June 6	79	Aug. 18	57	Mar. 5	29	Mar. 8	21	2. ENGLAND, N.E.								
Perth ..	Aug. 1	77	Jy. 3, Au. 8, 18	58	Jan. 20, 21	30	Mar. 8	16	Beirwick-on-T.	June 6	81	July 22	58	Jan. 21	27	Feb. 26, 27	21
Cupar ..	June 4, 6	76	Au. 8, Se. 1	58	Mar. 5, 6	29	Mar. 8	20	Bellingham ..	June 5, 6	80	June 6	56	Jan. 21	23	Feb. 27	15
Dunfermline ..	Aug. 1	75	Aug. 8	58	Ja. 21, Mar. 5	29	Feb. 23	20	Cockle Park ..	June 6	82	Aug. 26, 28	58	Jan. 20	26	Jan. 22	20
Kirkcaldy ..	(Aug. 1)	(76)	Aug. 8, 17	57	Jan. 21	32	F. 23, Mar. 8	18	Tynemouth ..	June 6	86	Aug. 8	62	Jan. 23	24	Jan. 22	22
Leuchars ..	June 6	78	June 6	63	Ja. 22, Mar. 5	29	Mar. 8	22	Chopwellwood	June 6	84	June 6	64	Jan. 21	24	Jan. 21	18
St. Andrews ..	June 6	76	Aug. 8, 18	58	Mar. 5, 6	30	Feb. 25	20	Durham ..	Ju. 6, Au. 28	84	Aug. 26	60	Jan. 22	25	Feb. 8	14
Balerno ..	June 5	75	Aug. 8	58	Jan. 21	25	Feb. 23	15	Houghall ..	Ju. 6, Au. 28	85	Ju. 6, Jy. 4, Au. 13, 19	58	Jan. 21	26	Feb. 8	7
Edinburgh— Blackford H. ..	June 6	77	Ju. 2, 4, Jy. 3 Au. 18, Se. 8	57	Mar. 6	29	Feb. 23	22	Ushaw College	Aug. 28	84	Aug. 19	62	Jan. 22	19	Jan. 21	12
Botanic Garden	June 6	77	Aug. 8	60	Jan. 21	29	Feb. 23	17	Ampleforth ..	Aug. 28	84	Aug. 27	62	Jan. 21	25	Feb. 8	17
Univ. King's B.	Ju. 4, 6, Au. 28	77	Aug. 8	60	Mar. 5	24	Jan. 5	19	Castleton ..	Aug. 28	86	Aug. 27	61	Jan. 21	26	Feb. 27	10
Boghall ..	June 5, 6	76	June 6	62	Mar. 6	28	Mar. 8	19	Catterick ..	June 5, 6, Aug. 28	83	Aug. 26	62	Jan. 22	23	Feb. 8	12
Liberton ..	June 6	78	Aug. 8	60	Jan. 21	27	Mar. 8	20	Redcar ..	June 6	85	Aug. 19	61	Jan. 20, 21	29	Dec. 4	22
Roslin ..	June 5	78	June 6	59	Jan. 21	26	Mar. 8	16	Scarborough ..	June 4	84	July 5	63	Ja. 26, F. 20, Mar. 5	29	Jan. 3, 27, Feb. 8	22
Dunbar ..	July 2	77	June 23	59	Jan. 21	29	Feb. 24	22	York ..	June 6	(88)	Aug. 27	63	Jan. 21	26	Feb. 8	17
N. Berwick ..	June 6, Aug. 27, 28	75	Aug. 8	59	Jan. 21	28	Mar. 8	17	Bridlington ..	June 3	79	Aug. 19, 26	59	Jan. 22	29	Feb. 8	14
Marchmont ..	Ju. 6, Au. 28	80	Ju. 29, Jy. 22 Aug. 8, 28	55	Jan. 20, 21	27	Feb. 26	16	Hull ..	June 6	86	Aug. 26	63	Jan. 22	27	Feb. 8	22
St. Abb's Head	June 6	76	Jy. 22, Au. 1, Se. 1	58	Jan. 22	26	Jan. 22	21	Spurn Head ..	Aug. 19	76	Aug. 19, 26	61	Jan. 21	28	Jan. 27	23
Peebles ..	June 5	82	Jy. 3, Au. 8	57	Jan. 21	27	Feb. 24	9	Boston (Frieston Rd.) (North Sea Camp)	Aug. 28	88	Aug. 26	62	Jan. 21	26	Feb. 9	21
West Linton ..	June 5	79	Aug. 8	56	Jan. 21	25	F. 23, Dec. 3	12	Cranwell ..	Aug. 28	89	Aug. 19	62	Jan. 21	26	Feb. 9	18
Kelso (Br'ml'ds)	Ju. 5, Au. 28	80	June 6	58	Jan. 20, 21	27	Feb. 26	17	Cleethorpes ..	Aug. 28	87	Aug. 26	63	Jan. 21, 22	25	Jan. 21, 27	16
Wolfelee ..	—	—	Ju. 29, Au. 8 Se. 1	56	Jan. 21	24	Jan. 6	14	Skegness ..	June 3	82	Aug. 26	62	Jan. 21	28	Feb. 8	18
									Ju. 29, Au. 19	77	June 21	65	Jan. 21, 26	27	—	—	—
6a. SCOTLAND, W.									3. ENGLAND, E.								
Ardtornish ..	Aug. 1, 2	76	June 21	54	Feb. 5	35	Jan. 5, 10, Feb. 5, 20	23	Cromer ..	Aug. 28	92	Aug. 29	64	Jan. 21	25	Jan. 27	18
Colonsay ..	June 5	70	Aug. 8	57	Mar. 6	31	Feb. 23	22	Hunstanton ..	Aug. 28	89	Aug. 19, 27	64	Jan. 21	29	Jan. 22	17
Dunoon (Benmore) ..	Aug. 28	74	Aug. 8	59	Jan. 21	29	Feb. 20	18	Norwich ..	Aug. 27, 28	91	Aug. 26	63	Jan. 21	25	Jan. 27	17
Dunoon ..	Ju. 5, Au. 28	72	Aug. 8	58	—	—	(Mar. 8)	(21)	Sproston ..	Aug. 27	93	Aug. 26	62	—	—	—	—
Glenbranter ..	June 5	75	Aug. 18	58	Jan. 21	30	Feb. 23	15	Thetford ..	Aug. 28	90	Aug. 8, 16, 26, 27	60	Jan. 21	27	Jan. 21, 22	6
									(Lynford Nursery)								
									Yarmouth ..	Sept. 8	76	Aug. 27	65	Jan. 21, 22	26	Jan. 27	22

* For Counties, terminal hours of observation and altitudes see Table III.

TABLE V [1913] (continued).—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT AND PLACE.	WARMEST				COLDEST				DISTRICT AND PLACE.	WARMEST				COLDEST												
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT										
	Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.			Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.										
3. ENGLAND, E. —contd.									4. MIDLAND COUNTIES —contd.																	
Bungay ..	Aug. 27, 29	90	Aug. 26	63	Jan. 21	26	Jan. 13	14	Worcester ..	Aug. 28	92	July 21, Aug. 26	60	Jan. 20, 21	26	Feb. 27	14									
Felixtowe Aero. Ipswich (Belstead H.)	Aug. 29	81	Aug. 28	67	Jan. 21, 22	26	Jan. 13	19	Hereford ..	(Aug. 27) (88)	61	July 21	61	Jan. 20, 21	27	Feb. 27	15									
Lowestoft ..	June 4	83	Aug. 19, 26, 27, 28	63	Feb. 21	26	Jan. 12, 27	21	Ross-on-Wye ..	Aug. 28	87	July 21, 22	61	Jan. 20, 22	27	Feb. 27	16									
Mildenhall ..	Aug. 28	90	Aug. 27	62	Jan. 21	26	Jan. 22	15	Cheltenham ..	Aug. 28	89	Aug. 28	65	Jan. 22	25	Feb. 27	18									
Cambridge (Bot. Gdns)	Aug. 28	89	Aug. 19	63	Jan. 21	26	Jan. 11, 12, 21	16	Parkend ..	Aug. 28	86	June 23	66	Jan. 21	27	Jan. 12	15									
(Univ. Farm)	Aug. 28	90	Aug. 19	63	Jan. 21	26	Jan. 21	15	Stonehouse ..	Aug. 28	90	Aug. 29	61	Jan. 20, 21	27	Feb. 27	14									
Dunstable ..	Aug. 28	86	Au. 26, 28, 29	63	Jan. 22	24	Jan. 21, Feb. 22	15	5. ENGLAND, S.E.																	
Luton ..	Aug. 28	86	July 31, Aug. 19, 26	62	Jan. 21	26	Jan. 11	11	Camden Square	Ju. 6, Au. 28	90	Aug. 30	64	Jan. 20	27	Jan. 21	18									
Woburn ..	Aug. 28	87	Aug. 26	63	Jan. 21	26	Jan. 21	4	East Ham ..	Aug. 28	89	—	—	Jan. 21	28	—	—									
Rothamsted ..	Aug. 28	85	Aug. 26	62	Jan. 21	25	Jan. 21	11	Enfield ..	Aug. 28	88	Aug. 19	62	Jan. 21	28	Jan. 21	9									
St. Albans ..	Aug. 28	87	Aug. 26	61	Jan. 20, 21	27	Jan. 15	(14)	Greenwich ..	Aug. 28	88	July 21	63	Jan. 22	25	Jan. 21	15									
Dovercourt ..	Aug. 29	83	Au. 26, 27, 29, 30	64	Jan. 21	27	Jan. 12, 23, 27	23	Hampstead ..	Aug. 28	87	Aug. 29	64	Jan. 20, 21	26	Jan. 21, 22	17									
Earls Colne ..	Aug. 28	87	Aug. 27, 30	62	Jan. 21	26	Jan. 15	15	Kensington ..	Aug. 28	90	Aug. 19, 21	65	Jan. 21	28	Jan. 20	17									
Halstead ..	Aug. 28	88	Aug. 30	62	Jan. 21	26	Jan. 15	15	Regent's Park	Aug. 28	90	Aug. 19	64	Jan. 20, 21	28	Jan. 21	19									
Maldon ..	Aug. 29	85	Aug. 30	63	Feb. 7	29	Jan. 12, 13	16	Kew Obs. ..	Aug. 28	87	Aug. 28	64	Jan. 22	27	Jan. 15	18									
Shoeburyness	July 5	81	Aug. 26	63	Jan. 22	26	Jan. 12, 13, 27	21	Southgate ..	Aug. 28	88	Aug. 26	63	Jan. 20, 21	27	Jan. 21	15									
Walton-on-Naze ..	Aug. 28	77	Aug. 28	65	Jan. 22	27	Jan. 13, 14, 27	22	Tottenham ..	Aug. 28	90	June 5	69	Jan. 22	26	Jan. 21	17									
Writtle ..	Aug. 28	87	Aug. 30	63	Jan. 21	27	Jan. 15	16	Wealdstone ..	Aug. 28	90	Aug. 26	63	Jan. 20, 21	28	Jan. 15, 16	16									
4. MIDLAND COUNTIES									Westminster ..	Aug. 28	89	Aug. 28, 30	65	Jan. 21	29	Jan. 22, 23	23									
Askham Bryan	Aug. 28	84	Aug. 19, 27	62	Jan. 21	25	Ja. 21, F. 8	11	Addington ..	Aug. 28	86	Aug. 29	65	Jan. 20	26	Jan. 23	17									
Bingley ..	June 6	83	Aug. 19, 29	60	Jan. 21	23	Feb. 8	16	Croydon ..	Ju. 6, Au. 28	88	Aug. 19	64	Jan. 22	26	Jan. 15	14									
Bradford ..	June 6	83	Aug. 19	62	Jan. 20	24	Feb. 8	16	Farnham ..	June 6, (Aug. 28)	88	July 1, 21, (Aug. 28)	59	Jan. 21	28	Jan. 15	10									
Harrogate ..	June 6	84	Aug. 8	60	Jan. 20, 21	25	Jan. 21, 22	19	Milford ..	Aug. 28	88	Aug. 26	62	Jan. 20	27	Jan. 15	8									
Huddersfield ..	June 6	88	Aug. 26	61	Jan. 22	26	Feb. 8	11	Wisley ..	Ju. 6, Au. 28	87	Aug. 19, 26	63	Jan. 20	27	Jan. 15	11									
„ (Oakes)	June 5	86	Aug. 28, 29	59	Jan. 21	23	Jan. 21	17	Bromley ..	Ju. 6, Au. 28	89	—	—	Jan. 20, 21	29	—	—									
Ilkley ..	Ju. 6, Au. 28	85	Aug. 19, 29	60	Jan. 21	23	Feb. 8	15	Canterbury ..	Aug. 28	89	Aug. 16, 27	63	Jan. 21	27	Jan. 21	10									
Meltham ..	June 5	84	Aug. 19, 26, 28	61	Jan. 20	25	Feb. 20	13	Deal ..	Ju. 23, Jy. 5	81	June 30, Aug. 26	64	Jan. 21	27	Feb. 9	16									
Pontefract ..	June 6	83	Aug. 27	62	Jan. 21	24	Jan. 21	18	Dover ..	Aug. 28	87	Aug. 27	62	Jan. 21	26	Feb. 9	13									
Rotherham ..	Aug. 28	84	Aug. 27, 29	61	Jan. 21	25	Feb. 9	15	Dungeness ..	Au. 28, 29, 30	79	Aug. 26	65	Jan. 22	27	Jan. 12	6									
Sheffield ..	Ju. 6, Au. 28	85	Aug. 27	62	Jan. 21	25	Jan. 21	18	East Malling ..	Aug. 28	86	Aug. 16	62	Jan. 21	26	Jan. 21	11									
Wakefield ..	June 6	88	Aug. 19	61	Jan. 21	26	Feb. 8	17	Goudhurst ..	Aug. 27, 28	85	Aug. 16	62	Jan. 21	26	Jan. 15	13									
Buxton ..	Ju. 5, Au. 28	82	Aug. 29	60	Jan. 21	21	Feb. 27	14	Lympne ..	Aug. 27, 28	86	Aug. 28	67	Jan. 22	24	Jan. 12	13									
Mansfield ..	Aug. 28	88	Aug. 19, 22, 27	61	Jan. 21	25	Jan. 21	14	Manston ..	Aug. 28	85	Aug. 28	66	Jan. 22	23	Jan. 12	15									
Nottingham ..	Aug. 28	88	Aug. 27, 28	64	Jan. 21	25	Jan. 21	19	Ramsgate ..	Jy. 5, Au. 29	79	Au. 27, 28, 29	66	Jan. 21, 22	29	Jan. 27	21									
Sutton ..	Aug. 28	87	Aug. 26	61	Jan. 21	24	Jan. 21	11	Tunbridge ..	Aug. 28	89	Aug. 19	61	Jan. 21	26	Jan. 15	12									
Bonington ..	Aug. 28	87	Aug. 26	61	Jan. 21	24	Jan. 21	11	Whitstable ..	Aug. 28	87	Aug. 19	64	Jan. 20, 21	28	Jan. 21	15									
Leicester ..	Aug. 28	90	Aug. 26	62	Jan. 21	26	Jan. 21	17	Wye ..	Aug. 27, 28	88	Aug. 16, 27	62	Jan. 21	28	Jan. 12	8									
Peterborough ..	Aug. 28	89	Jy. 4, Au. 26	62	Jan. 21	26	Jan. 21	13	Beachy Head ..	Aug. 28	81	—	—	Jan. 21, 22	26	—	—									
Raunds ..	Aug. 28	90	Aug. 26	63	Jan. 21	25	Jan. 21	5	Bexhill ..	Aug. 27	84	Aug. 28	66	Jan. 21	28	Jan. 22	20									
Birmingham ..	Aug. 28	88	Aug. 29	64	Jan. 22	23	Jan. 22	19	Bodiam ..	Aug. 27	85	July 3, 21, Aug. 15	62	—	—	Jan. 21	9									
„ Sparkhill ..	Aug. 28	90	Aug. 29	62	Jan. 20, 21	25	Feb. 27	16	Bognor ..	Aug. 27	79	Aug. 28, 29	64	Jan. 20, 21	29	Jan. 22	19									
Coventry ..	Aug. 28	89	Aug. 26	62	Jan. 21	25	Jan. 22	13	Hastings ..	(Aug. 27) (85)	(85)	(Aug. 29) (64)	(64)	Jan. 21	27	Jan. 21, 22	20									
Leamington Spa	Aug. 28	89	Aug. 29	63	Jan. 21	26	Jan. 22	17	Littlehampton	Aug. 27	83	Aug. 26	64	Jan. 20, 21	29	Jan. 22	19									
Rugby ..	Aug. 28	91	Au. 26, 27, 29	61	Jan. 22	26	Jan. 22	15	Seaford ..	Aug. 27	84	Aug. 19	63	Jan. 21	27	Jan. 21, 22	19									
Shipston on Stour	Aug. 28	87	Aug. 26	61	Jan. 21	24	Jan. 22	17	Thorney Is. ..	June 5	85	Aug. 26	64	Jan. 22	26	Jan. 15	16									
Stratford on Avon	Aug. 28	90	Aug. 26	62	Jan. 20, 21	26	Feb. 27	14	Worthing ..	Aug. 27	83	Aug. 28	64	Jan. 20, 21	29	Jan. 22	19									
Oxford ..	Aug. 28	88	Aug. 26	63	Jan. 21	27	Jan. 22	15	Reading ..	Aug. 28	90	Aug. 26	63	Jan. 20	27	Jan. 22	18									
Upper Heyford	Aug. 28	88	Aug. 29	63	Jan. 21, 22	25	Jan. 22	16	Shinfield ..	Aug. 28	90	(Aug. 26) (63)	(63)	Jan. 20, 21	27	Jan. 15	15									
Market Drayton	June 5	85	Aug. 28	63	Jan. 21	23	Feb. 8	15	Bournemouth	June 5	85	Jy. 21, Au. 26, Se. 3, 20	(61)	Jan. 20,	32	Jan. 12,	18									
Mayfield ..	Ju. 6, Au. 28	85	Aug. 26	60	Jan. 21	24	Feb. 8	14	Bramley ..	Aug. 28	89	Aug. 26	63	Jan. 20, 21	26	Jan. 15	14									
Newport ..	June 5	87	July 4, Au. 8, 29	57	Jan. 20	26	Feb. 27	15	Leckford ..	Ju. 5, Au. 28	85	Aug. 26	62	Jan. 20, 21	26	Feb. 22	15									
Shrewsbury ..	Ju. 5, Au. 28	85	Aug. 29	61	Jan. 20, 21	26	Feb. 27	15	Long Sutton	Aug. 28	87	Aug. 26	62	Feb. 18	31	Jan. 15	8									
Droitwich ..	Aug. 28	90	Aug. 26	61	Jan. 20, 21	26	Feb. 27	11	Portsmouth ..	Ju. 5, Au. 27	83	Aug. 28, 29	65	Jan. 22	31	Ja. 22, F. 22	21									
Malvern ..	Aug. 28	89	Aug. 28, 29	63	Jan. 20, 21	26	Jan. 22	18	Southampton	June 5	86	Aug. 26	63	Jan. 22	28	Ja. 22, F. 22	20									
Prestwood ..	Aug. 28	89	Aug. 29	63	Jan. 21, 22	27	Feb. 27	14	S. Farnboro' ..	June 6	88	Aug. 26, 30	63	Jan. 21, 22	26	Jan. 15	8									
									Newport ..	June 5	85	Aug. 26	64	Jan. 14, 20, Feb. 18	32	Jan. 15	12									
									Ryde ..	June 5, Aug. 27	80	Aug. 26	64	Ja. 14, 21, F. 22, Mar. 6	32	Jan. 12	23									
									St. Catherine's Point	Aug. 27	79	—	—	Feb. 8	31	Feb. 22	21									
									Sandown ..	Aug. 27	78	Aug. 26	64	Ja. 14, F. 6, 18, Mar. 6	33	Jan. 13,	23									
									Totland Bay	June 5	82	Aug. 26	62	Ja. 14, F. 23	31	Feb. 22, 23	22									

TABLE V [1913] (continued).—WARMEST DAY and NIGHT and COLDEST DAY and NIGHT in the YEAR at each STATION.

DISTRICT AND PLACE.	WARMEST		COLDEST		DISTRICT AND PLACE.	WARMEST		COLDEST	
	DAY	NIGHT	DAY	NIGHT		DAY	NIGHT	DAY	NIGHT
	Highest Maximum and Date.	Highest Minimum and Date.	Lowest Maximum and Date.	Lowest Minimum and Date.		Highest Maximum and Date.	Highest Minimum and Date.	Lowest Maximum and Date.	Lowest Minimum and Date.
5. ENGLAND, S.E. —contd.	°F	°F	°F	°F	8b ENGLAND, S.W.	°F	°F	°F	°F
Ventnor (Hospital)	June 5, 79 Au. 27, 28	June 6 65	Mar. 6 32	Feb. 22 23	Newport	Aug. 28 87	Aug. 28 63	Jan. 20, 21, Feb. 20 30	Ja. 11, F. 22 20
Amesbury (Boscombe Down)	Aug. 28 86	Aug. 28 62	Jan. 21, 22 26	Ja. 22, F. 22 16	Usk	Aug. 28 87	—	Jan. 20 29	Feb. 27 13
Larkhill	Aug. 28 86	Aug. 26, 30 60	Jan. 20 26	Feb. 27 12	Bath	Aug. 28 87	Aug. 30 62	Jan. 20 29	Jan. 12, 15, Feb. 27 16
Marlboro'	Aug. 28 87	Aug. 26 60	Jan. 21 26	Jan. 15 6	Bristol (Airport)	Aug. 28 87	July 21 61	Jan. 22 28	Feb. 27 15
Porton	June 6 87	Aug. 26, 28 61	Jan. 20 26	Ja. 12, F. 27 16	Cannington	Aug. 28 87	July 21 63	Feb. 18 31	Feb. 27 18
					Long Ashton	Aug. 28 87	Jy. 21, Au. 30 60	Jan. 20 29	Feb. 27 16
					Weston-super- Mare	Aug. 28 88	July 21 62	Feb. 20 31	Feb. 27 18
					Holton Heath	June 5 82	Au. 26, Se. 3 62	Feb. 7, 18 32	Jan. 12 16
					Poole	Aug. 28 85	Sept. 3 62	Jan. 11 32	Jan. 12 17
					Portland Bill	June 4 74	Ju. 5, Au. 28, 30, Se. 1 60	Feb. 8 32	Feb. 24 23
					Shaftesbury	June 6 83	Aug. 29 61	Ja. 20, F. 7 29	Feb. 20 16
					Swanage	Aug. 28 78	Jy. 21, Se. 3, 20 62	Feb. 18 33	Jan. 15 21
7a ENGLAND, N.W.					Weymouth	—	—	—	—
Keswick	June 5 81	Aug. 26 61	Ja. 20, Mar. 6 31	Feb. 20 19	Barnstaple	Aug. 28 86	Aug. 9 62	Feb. 16, 18 33	Feb. 27 16
Newton Rigg	June 5 83	Aug. 8 57	Jan. 15 29	Feb. 20 17	Cullompton	—	—	—	—
Ambleside	Aug. 28 86	Aug. 29 59	Jan. 20 28	Feb. 20 14	Dawlish	—	—	—	—
Appleby	Ju. 5, Au. 28 83	Aug. 8 60	Jan. 20, 21 27	Feb. 8 13	Exmouth	Aug. 28 80	F. 2, Jy. 21 61	—	Feb. 22 20
Blackpool	Aug. 28 84	June 6 63	Jan. 20, 21 27	Feb. 20 19	Hartland Pt.	—	—	—	—
Bolton	Ju. 5, Au. 28 86	Aug. 29 63	Jan. 21 27	Feb. 8 15	Ilfracombe	Aug. 28 80	July 22 62	Feb. 18 31	Feb. 22, 27 20
Burnley	Aug. 28 85	June 6 63	Jan. 21 25	Feb. 8 14	Killerton	Aug. 28 80	Aug. 29 63	Feb. 18 34	Feb. 22 24
Darwen	Ju. 5, Au. 28 86	Aug. 28 63	Jan. 22 25	Feb. 8, 20 18	Newton Abbott (Seale-Hayne College)	June 5, 6 82	Sept. 18 57	Feb. 7, 23 33	Ja. 11, F. 22 26
Fleetwood	June 5, 15 78	Aug. 29 63	Jan. 21 28	Jan. 22 18	Plymouth (Hoe)	Aug. 28 80	Aug. 28 60	F. 18, 19, 26 33	Feb. 22 17
Hutton	June 5 85	Aug. 28 64	Jan. 20 28	Feb. 26 18	Plymouth (Mt. Batten)	Aug. 28 80	June 6 62	Feb. 18 32	Feb. 27 21
Leyland	June 5 84	June 6 65	Jan. 20, 21 27	F. 8, 20, 26 18	Princetown	—	—	—	—
Manchester (Burnage)	Aug. 28 88	Aug. 29 64	Jan. 20, 21 28	Feb. 20 17	Seaton	Aug. 28 83	Aug. 28 60	Feb. 18 25	Feb. 22 14
(Whit'wh P'k)	Aug. 28 88	Aug. 28 62	Jan. 22 27	Feb. 20, 27 20	Sidmouth	Aug. 28 81	July 21, 16, 17 61	Feb. 18 32	Feb. 22, 27 20
Morecambe	June 5 79	Aug. 29 65	Jan. 20, 21 30	Feb. 20 21	Teignmouth	—	—	—	—
Nelson	Aug. 28 84	Aug. 29 61	Jan. 21 25	Feb. 8 16	Torquay	—	—	—	—
Southport (Bedford Road Park)	June 5 83	Ju. 6, Au. 8 61	Jan. 20 26	Feb. 20 18	Totnes	Ju. 4, Au. 28 79	Au. 15, 25, 30, Se. 3, 20 60	Feb. 18 32	Feb. 27 12
Stonyhurst	Ju. 5, Au. 28 82	Aug. 28 64	Jan. 21 26	Feb. 8 18	Bude	Aug. 28 85	Jy. 21, Au. 8, 25, Se. 20 61	Feb. 18 32	Feb. 20 20
Bidston Obs'y	June 5 82	June 6 64	Jan. 21 26	Jan. 22, 23 21	Ellbridge	Ju. 6, Au. 28 82	July 21 61	Feb. 18 32	Feb. 27 16
Hoylake	June 5 83	Aug. 8 62	Jan. 20, 21 27	Feb. 26 19	Falmouth Obs.	Aug. 28 79	Ju. 6, Au. 28, Sept. 1 61	Feb. 23 33	Feb. 22 23
Macclesfield	Aug. 28 86	Ju. 6, Au. 29 65	Jan. 21 25	Feb. 8 18	Gulval	Aug. 28 81	Jy. 21, Au. 7 61	Feb. 23 34	Feb. 22 25
Manchester (Ringway)	Aug. 28 86	Aug. 19 62	Jan. 22 25	Feb. 20, 27 19	The Lizard	Aug. 28 74	Aug. 28 63	Feb. 22, 23 33	Feb. 22, 23 27
Warburton	Aug. 28 86	Aug. 19 61	Jan. 20 28	Feb. 20 11	Newquay	Aug. 28 84	Jy. 21, Au. 8, 25, Se. 14, 20 60	Feb. 18 32	Feb. 22 21
West Kirby	June 5 85	Ju. 6, Au. 8 62	Jan. 20, 21 26	Feb. 26 20	Penzance	Aug. 28 81	July 21, Aug. 7, 8 61	Feb. 23 34	Feb. 22, 27 25
					Tintagel	Aug. 28 83	Aug. 28 62	Feb. 18 31	Feb. 22 20
7b NORTH WALES									
Hawarden	June 5 87	Aug. 8, 29 61	Jan. 20 26	Feb. 27 20	NORTHERN IRELAND				
Bridge	July 2 79	Aug. 29 63	Jan. 22 26	Feb. 26 22	Castlerock	Aug. 7 73	July 22, Aug. 2, 8 58	Mar. 5 32	Fe. 23, 25, 26, Mar. 6 25
Prestatyn	Ju. 5, Jy. 2 79	Aug. 8 63	Jan. 21 31	Feb. 26 20	Garvagh (Moneydig)	June 5 79	Jy. 22, Au. 8 57	Mar. 6 32	Feb. 24, 26 21
Rhyl	Aug. 28 88	June 6 67	Jan. 22 25	F. 8, 26, 27 21	Aldergrove	June 5 81	Aug. 7 59	Ja. 14, F. 22 33	Feb. 23 15
Sealand	July 2 76	Au. 8, 28, 29 59	Feb. 22 34	Feb. 19 22	Hillsborough	June 5 75	June 6, 21, Aug. 7 58	Feb. 22, Mar. 6 32	Feb. 23 21
Holyhead	—	—	—	—	Armagh	June 5 82	Aug. 7 59	Jan. 14 33	Feb. 23 20
Holyhead (Valley)	June 5 83	Au. 8, Se. 3 60	Jan. 22 35	Feb. 8 23	SCILLY	Aug. 29 72	Aug. 7, 8 61	Feb. 22 34	Feb. 8 31
Colwyn Bay	July 2 81	Aug. 8 63	Mar. 6 32	Feb. 20 20	GIBRALTAR	Oct. 12 96	Oct. 12 75	Ja. 7, F. 7, Dec. 31 49	Feb. 9, Dec. 31 39
Aber	June 4, 6 77	—	Feb. 21 32	—	MALTA	July 12 94	June 19, July 13 77	Jan. 1 46	Feb. 19 42
Llandudno	July 2 80	Ju. 6, Au. 8 63	Mar. 6 32	Feb. 20, 26 23					
Lake Vrynwy	June 5 83	Aug. 8 58	Feb. 22 31	Feb. 27 16					
Welshpool	June 7 86	Aug. 8 61	Feb. 19 33	Jan. 13 12					
8a SOUTH WALES									
Aberporth	June 5 76	June 6 62	Ja. 22, F. 18 32	Feb. 8 22					
Aberystwyth	Ju. 6, Jy. 2 76	Aug. 30 62	Ja. 22, F. 21 35	Feb. 26 22					
„ Llety-evan- hen	Ju. 5, Au. 28 80	June 6 66	Feb. 18 31	Feb. 8 19					
„ P.B.S.	Ju. 5, Au. 28 80	Aug. 28 66	Feb. 22 34	Feb. 8 21					
Haverfordwest	Aug. 28 85	Jy. 21, Au. 15, 30, 31 60	Feb. 21 34	Feb. 26, 27 17					
St. Ann s Head	Aug. 28 79	—	Feb. 21 34	—					
Tenby	Aug. 28 83	June 5 63	F. 18, 20, 21 34	—					
Rhayader	Aug. 28 83	July 21, Aug. 30 59	Mar. 6 30	Feb. 8 23					
Cantref	Ju. 6, Au. 28 81	Aug. 28 61	Jan. 14 27	Feb. 27 16					
Crickhowell	Ju. 6, Au. 28 85	Aug. 30 60	Jan. 20, 21, Feb. 20 30	Jan. 11 14					
Cardiff	June 6 85	Aug. 28 63	Jan. 20 29	Feb. 22, 27 20					
Swansea	Aug. 28 87	Aug. 28 63	Feb. 20 33	Feb. 22, 27 23					

*Plant Breeding Station.

Wind Section

TABLE X.—PARTICULARS OF CHANGES OF ANEMOGRAPHS.

District and Station	Type*	Anemograph in action from	"Analysis" published from	Height of Vane or Cups.			NOTES. * *
				Above Mean Sea Level	Above Ground	Effective Height†	
o. Kirkwall ..	D †	1929	1930	Ft. 170	Ft. 40	Ft. 35	Direction recorder out of adjustment from November 7th, 1941. Instrument repaired and re-adjusted May 31st, 1942. Type "D†" instead of "d" was entered in error from 1941 to 1942. Anemometer dismantled for removal on October 19th, 1942. Particulars of wind from Thorney Island were entered under Calshot from May, 1942. Records began in October, 1941.
5. Southgate ..	d ††	1939	1941	222	30	—	
5. Manston ..	D †	1938	1938	199	46	40	
5. Thorney Island ..	D †	1942	1942	75	65	45	
7a. Manchester (Ringway) ..	D †	1941	1942	315	80	40	
8a. St. Ann's Hd. ...	D †	1935	1941	212	70	—	No effective height is given because of the proximity of cliffs and gullies which result in greater gustiness than would be shown in a normal exposure.

† Hourly values are available. *D Dines Pressure Tube Anemometer and direction recorder.

* * For full details see Table X, Annual Summary, 1939. † Details of "height above building" are given in Table X, 1931.

††d Dines Pressure Tube Anemometer without direction recorder.

Note: The anemometer at Lympe was "frozen" from Jan. 3rd-31st, 1941 and the float damaged. The records were incomplete for Feb. 2nd-7th, 1941, and thereafter the velocity records were somewhat too low with light winds. The float was sent for repair Aug. 19th, 1942 and the record was resumed on Oct. 12th, 1942.

WIND SUMMARY, AND NOTES.

TABLE XI [FIRST Published 1914]. DISTRIBUTION OF WINDS of stated speed at anemograph-stations, and Maximum Speeds for the year.
The distribution of wind is not given if the record failed for 500 hours or more.

District and Station.	Distribution of Wind.									Extreme Velocities.											
	More than 38 mi/hr.			25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No. Record.	Highest Hourly Wind.					Highest Gust.						
	No. of Days.	Duration		No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.	Hour ended at.				Speed.	Date.					
		hr.	hr.		hr.	hr.	hr.	hr.	hr.	°	mph	m/s.	month.	day.	hours.	mph	m/s.	month.	day.	h.	m.
o. Lerwick	50	403	265	195	2,061	3,873	2,176	247	0	260	60	27	Oct.	10	01	87	39	Oct.	10	01	20
Kirkwall	18	97	69	137	1,173	3,741	3,206	543	0	Defective	54	24	Jan.	25	13	82	37	Oct.	15	04	55
1. Aberdeen	—	0	2	11	(29)	(1,471)	5,572	1,688	0	320	34	15	Dec.	29	03	67	30	Dec.	29	01	50
Bell Rock	48	320	280	214	1,872	3,883	2,048	613	24	120	65	29	Jan.	25	10	82	37	Jan.	25	09	40
Edinburgh	5	12	21	73	381	3,056	4,034	1,259	18	190	45	20	Jan.	27	13	68	30	Dec.	9	23	45
6a. Tiree	14	74	94	115	999	2,867	3,005	1,745	70	240	55	25	Dec.	7	19	82	37	Dec.	7	18	10
Paisley	—	0	0.5	16	53	1,382	5,446	1,876	3	180	36	16	Dec.	13	13	67	30	Dec.	13	12	30
Abbotsinch	—	0	4	20	65	1,696	4,582	2,384	33	180	35	16	Dec.	11	01	65	29	Oct.	15	12	50
Eskdalemuir	4	8	37	78	448	2,530	3,339	2,435	0	210	44	20	Dec.	10	01	77	34	Dec.	10	00	15
6b. Point of Ayre ..	13	50	95	167	1,306	3,960	2,783	595	66	170	43	19	Jan.	16	05	67	30	Jan.	25	23	20
2. South Shields ..	1	4	14	41	232	2,582	4,226	1,712	4	20	40	18	Jan.	4	15	68	30	Dec.	30	00	55
Durham	—	0	3	33	172	2,858	4,252	1,354	124	360	37	17	Dec.	7	14	66	29	Dec.	7	13	50
Catterick	—	0	2	4	9	1,114	4,965	2,672	0	230	27	12	Dec.	21	05	64	29	Dec.	21	04	05
Spurn Head	6	29	47	121	1,016	4,084	3,164	439	28	10	46	21	Dec.	30	05	70	31	Dec.	30	04	55
Cranwell	—	0	3	57	321	3,293	4,275	763	108	180	37	17	May	25	14	59	26	May	25	11	55
3. Gorleston	2	3	12	59	334	2,622	4,772	926	103	200	40	18	May	26	18	62	28	Dec.	30	20	50
Mildenhall	—	0	5	41	212	2,957	4,782	809	0	60	38	17	April	28	15	68	30	Oct.	15	06	15
Cardington	3	6	22	61	394	2,533	4,198	1,550	79	190	43	19	May	25	13	64	29	April	1	11	45
Shoeburyness	4	14	21	64	348	3,363	4,249	786	0	170	48	21	Oct.	26	19	61	27	May	25	12	35
4. Birmingham	—	0	0.5	21	75	2,677	5,181	827	0	290	32	14	Jan.	26	06	56	25	Oct.	26	18	25
5. Kew	—	0	0.1	10	59	1,823	5,284	1,594	0	60	33	15	April	28	15	57	25	Oct.	9	20	50
Boscombe Down ..	1	1	4	51	262	2,675	4,431	1,276	115	200	39	17	May	28	03	66	29	May	28	02	20
7a. Fleetwood	4	9	72	81	626	3,391	3,656	842	236	330	42	19	Dec.	5	16	62	28	Dec.	5	13	25
Southport	3	6	94	63	598	3,042	3,936	1,129	49	210	44	20	Oct.	26	01	60	27	Oct.	26	01	00
Liverpool	4	8	45	82	614	3,492	3,502	963	181	290	43	19	Dec.	5	14	72	32	Dec.	7	16	45
7b. Manchester Ringway	1	1	—	75	410	3,441	3,464	1,392	52	150	39	17	Dec.	10	21	69	31	Dec.	16	10	50
Holyhead	11	46	88	130	971	4,021	2,688	635	399	290	50	22	Jan.	30	16	67	30	Jan.	30	14	40
8a. St. Ann's Head ..	40	197	—	174	1,803	3,693	2,767	221	79	270	54	24	April	1	15	86	38	Dec.	20	01	00
8b. Lizard	22	124	200	141	1,296	3,237	3,035	712	356	240	60	27	Dec.	31	10	86	38	Dec.	11	20	05
Pendennis Castle ..	27	164	25	147	1,170	2,883	3,482	883	178	220	59	26	Dec.	16	08	80	36	Jan.	30	23	50
— Aldergrove	—	0	0.7	17	76	1,885	4,407	2,392	0	140	37	17	Dec.	16	09	64	29	Jan.	27	16	00
— Scilly	13	60	134	117	1,011	3,883	3,253	540	13	220	48	21	May	28	01	83	37	May	27	21	30

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	10	5	0	0	13	9	4	2	0	8	12	10	1	0	2	6	7	1	14	2	10	5	6	8	4	12	9	3	2
Stornoway	15	11	5	0	0	8	15	4	1	0	6	17	6	2	0	1	8	5	3	13	1	5	7	6	12	3	18	4	2	4
Aberdeen	21	9	1	0	0	8	11	3	5	1	10	12	4	5	0	3	7	5	4	11	2	7	5	6	11	3	11	6	6	3
Cockle Park	19	12	0	0	0	13	7	4	4	0	9	8	8	3	3	3	8	3	4	12	2	5	5	9	10	4	7	3	4	12
Gorleston	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	2	13	11	1	6	3	11	10	3	3	6	5	13
Cambridge (Bot. Gdns.)	13	14	4	0	0	12	11	4	1	0	12	6	6	7	0	2	5	2	8	13	2	5	7	7	10	2	3	5	7	13
Birmingham	18	9	3	1	0	11	13	3	1	0	12	15	2	0	2	3	4	7	4	11	3	4	6	10	8	1	6	6	6	11
Kew Observatory	14	12	5	0	0	14	10	2	2	0	12	10	4	4	1	0	5	7	8	10	1	5	5	6	14	1	4	6	5	14
Lympne	17	7	5	2	0	15	8	4	1	0	9	6	7	3	6	0	4	5	5	16	2	3	10	5	11	0	3	4	3	20
Southampton	15	7	7	2	0	13	7	4	4	0	13	9	3	2	4	1	4	5	8	12	2	5	6	4	14	2	3	4	5	16
Rothsay	18	8	5	0	0	10	10	5	3	0	12	9	2	6	2	6	6	5	11	2	3	9	4	13	3	9	3	5	6	7
Renfrew (Abbotsinch) ..	20	7	4	0	0	13	10	5	0	0	11	12	2	4	2	5	3	6	6	7	1	7	6	5	12	2	12	5	4	7
Eskdalemuir	17	8	5	1	0	9	10	5	4	0	11	9	4	4	3	3	10	0	4	13	2	6	8	4	11	4	8	3	5	10
Douglas	15	6	9	1	0	8	8	7	5	0	14	10	2	2	3	2	7	3	4	14	2	6	3	7	13	1	4	5	4	16
Southport	14	13	2	2	0	8	13	4	3	0	10	10	7	4	0	2	7	4	3	14	2	4	8	6	11	1	5	5	5	14
Stonyhurst	17	8	4	2	0	10	8	7	3	0	13	10	4	4	0	3	7	5	3	12	2	7	5	7	10	2	7	3	5	13
Holyhead	13	7	10	1	0	8	11	5	4	0	10	11	5	2	3	2	6	3	6	13	2	5	6	5	13	0	4	5	6	15
Falmouth	8	10	8	5	0	7	12	4	5	0	11	8	0	4	8	2	7	7	10	4	7	5	3	6	10	2	3	4	3	18
Aldergrove	13	12	5	1	0	10	11	4	3	0	12	9	4	2	4	2	7	5	5	11	5	2	8	7	9	1	8	7	7	7
Armagh	11	11	6	3	0	11	7	6	4	0	12	8	5	3	3	2	8	5	3	12	5	2	7	5	12	0	11	4	8	7

TABLE VII.—[1913].—COLDEST DAY and WARMEST NIGHT in each month for 20 STATIONS. Date on which the *lowest* reading

STATION.	January.				February.				March.				April.				May.				June.			
	Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.	
	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.
Kirkwall ..	25	°F. 32	1	°F. 41	3	°F. 35	8	°F. 39	5	°F. 30	17, 24	°F. 42	3	°F. 42	12, 22	°F. 45	7, 12	°F. 47	21	°F. 49	9	°F. 48	4	°F. 54
Stornoway ..	5	°F. 35	3	°F. 48	10, 13	°F. 36	12	°F. 43	6	°F. 32	16	°F. 46	3	°F. 45	13	°F. 48	7	°F. 48	5, 17, 22	°F. 49	8	°F. 48	21	°F. 53
Aberdeen ..	26	°F. 29	3	°F. 45	22	°F. 32	8	°F. 38	6	°F. 31	31	°F. 43	3	°F. 40	6	°F. 43	12, 13	°F. 46	6	°F. 50	12	°F. 48	3	°F. 56
Cockle Park ..	20	°F. 26	3	°F. 45	24	°F. 31	9	°F. 35	7	°F. 34	24	°F. 39	23	°F. 45	9	°F. 41	11	°F. 47	19	°F. 52	13	°F. 50	6	°F. 55
Gorleston ..	21, 22	°F. 26	3, 4	°F. 42	21	°F. 28	13	°F. 34	6	°F. 29	17	°F. 40	3	°F. 43	10	°F. 47	8	°F. 47	28	°F. 53	12	°F. 53	23	°F. 58
Cambridge (Bot. Gdns.)	21	°F. 26	3	°F. 42	7, 22	°F. 31	15	°F. 34	6	°F. 29	17	°F. 49	24	°F. 50	7	°F. 45	12	°F. 49	18	°F. 53	12	°F. 55	30	°F. 60
Birmingham ..	22	°F. 23	4	°F. 44	21	°F. 29	4, 13	°F. 35	6	°F. 27	17, 31	°F. 48	24	°F. 45	13	°F. 47	11	°F. 46	18	°F. 53	13	°F. 54	6	°F. 62
Kew Observ. ..	22	°F. 27	3	°F. 43	8	°F. 31	10, 15	°F. 34	6	°F. 32	17	°F. 48	9	°F. 51	28	°F. 47	12	°F. 53	18	°F. 54	12	°F. 53	30	°F. 62
Lympne ..	22	°F. 24	3	°F. 41	22	°F. 28	13	°F. 36	6	°F. 30	16, 17, 19	°F. 44	21	°F. 47	27, 28	°F. 46	2	°F. 47	18	°F. 53	15	°F. 57	23	°F. 59
Southampton ..	22	°F. 28	4	°F. 45	8	°F. 32	13	°F. 16	1, 2, 7	°F. 39	31	°F. 47	3, 8, 9	°F. 52	13	°F. 49	12	°F. 54	18	°F. 52	12	°F. 56	24	°F. 59
Rothsay ..	21	°F. 34	3	°F. 43	22	°F. 34	9	°F. 34	6	°F. 31	31	°F. 42	3	°F. 44	12, 16	°F. 45	11	°F. 49	16	°F. 46	13	°F. 51	22	°F. 51
Renfrew (Abbotsinch) ..	10, 21	°F. 29	3	°F. 48	20	°F. 31	12	°F. 39	6	°F. 31	31	°F. 48	3	°F. 46	12	°F. 50	11	°F. 50	16	°F. 52	12	°F. 49	22	°F. 56
Eskdalemuir ..	22	°F. 24	3	°F. 45	1	°F. 31	9	°F. 33	6	°F. 27	30	°F. 42	24	°F. 43	6	°F. 41	11	°F. 47	16	°F. 49	12	°F. 45	28	°F. 53
Douglas ..	20, 21	°F. 33	2, 3	°F. 47	19	°F. 34	10	°F. 41	5, 6	°F. 32	31	°F. 44	3	°F. 45	12, 13	°F. 45	11	°F. 46	21	°F. 49	8	°F. 53	6	°F. 59
Southport ..	20	°F. 26	3	°F. 47	21	°F. 32	4, 13	°F. 36	5, 6	°F. 31	17, 31	°F. 47	2	°F. 48	12, 13	°F. 48	11	°F. 47	18	°F. 53	13	°F. 50	6	°F. 61
Stonyhurst ..	21	°F. 26	3	°F. 45	31	°F. 30	4, 10	°F. 33	5, 6	°F. 30	17	°F. 47	1, 2,	°F. 47	6, 12, 20	°F. 45	11	°F. 46	18	°F. 53	13	°F. 52	6	°F. 62
Holyhead ..	22, 23	°F. 40	2, 3	°F. 48	22	°F. 34	2	°F. 44	5	°F. 35	15, 16, 17, 31	°F. 45	4, 24	°F. 48	12, 13, 17	°F. 48	11	°F. 48	21, 22	°F. 50	9, 10, 12	°F. 55	6, 29	°F. 55
Falmouth ..	10	°F. 39	4	°F. 48	23	°F. 33	2	°F. 47	1, 6	°F. 44	17, 31	°F. 49	3	°F. 50	13, 28	°F. 50	10	°F. 50	17, 18	°F. 54	12	°F. 54	6	°F. 61
Aldergrove ..	14	°F. 33	3	°F. 46	22	°F. 33	4	°F. 42	6	°F. 33	31	°F. 47	8	°F. 45	12	°F. 49	11	°F. 45	5, 22	°F. 50	8	°F. 55	21	°F. 57
Armagh ..	14	°F. 33	3	°F. 48	22	°F. 34	3	°F. 43	6	°F. 37	17, 31	°F. 46	24	°F. 46	12	°F. 50	11	°F. 48	5, 13	°F. 50	9	°F. 55	21	°F. 58

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. or 0.2-1.0 mm.	0.05-0.20 in. or 1.1-5.0 mm.	0.21-0.40 in. or 5.1-10.0 mm.	0.41-0.60 in. or 10.1-15.0 mm.	0.61-0.80 in. or 15.1-20.0 mm.	0.81-1.00 in. or 20.1-25.0 mm.	1.00 in. or 25 mm.
	0 in. or 0.1 mm.	0.01-0.04 in. or 0.2-1.0 mm.	0.05-0.20 in. or 1.1-5.0 mm.	0.21-0.40 in. or 5.1-10.0 mm.	0.41-0.60 in. or 10.1-15.0 mm.	0.61-0.80 in. or 15.1-20.0 mm.	0.81-1.00 in. or 20.1-25.0 mm.	1.00 in. or 25 mm.
Kirkwall ..	124	77	98	48	11	4	2	1
Stornoway ..	112	61	114	52	12	8	5	1
Aberdeen ..	180	71	70	28	9	5	1	1
Cockle Park ..	201	58	68	26	7	3	0	2
Gorleston ..	200	63	64	17	10	9	0	2
Cambridge (Bot. Gdns.)	224	43	63	22	9	3	1	0
Birmingham ..	196	47	77	26	12	7	0	0
Kew Observatory ..	228	37	62	24	9	2	2	1
Lympne ..	202	59	54	32	11	5	0	2
Southampton ..	217	44	48	37	11	4	2	2
Rothsay ..	158	38	68	52	18	19	4	8
Renfrew (Abbotsinch) ..	155	53	84	46	14	6	4	3
Eskdalemuir ..	144	54	65	47	32	10	4	9
Douglas ..	163	68	59	30	26	8	4	7
Southport ..	188	49	73	32	15	6	2	0
Stonyhurst ..	169	55	59	51	12	8	5	6
Holyhead ..	174	58	71	35	16	5	3	3
Falmouth ..	170	50	82	29	20	9	2	3
Aldergrove ..	146	67	80	42	23	5	0	2
Armagh ..	144	72	95	33	12	6	2	1

(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.	
2	11	7	8	3	8	14	5	2	2	4	13	7	4	2	11	8	8	4	0	12	16	1	1	0	17	14	0	0	0	99	135	68	32	31	Kirkwall.
4	10	9	3	5	7	15	5	3	1	5	8	9	5	1	8	13	8	2	0	14	10	5	1	0	19	12	0	0	0	92	143	67	28	35	Stornoway
2	9	10	5	5	4	15	5	4	3	5	8	9	6	5	8	7	10	5	1	9	12	7	2	0	15	12	4	0	0	90	120	66	48	41	Aberdeen.
1	6	7	6	8	6	16	3	5	1	4	5	8	7	6	6	12	6	6	1	7	16	5	2	0	13	10	7	1	0	87	115	59	51	53	Cockle Park.
2	9	6	6	8	0	10	9	5	7	2	10	9	4	5	5	13	8	5	0	7	18	3	2	0	12	9	8	2	0	—	—	—	—	—	Gorleston
3	6	8	7	7	1	15	3	8	4	2	12	4	6	6	7	10	6	8	0	9	12	8	1	0	12	15	4	0	0	77	114	61	60	53	Cambridge (Botanical Gardens)
2	10	8	9	2	4	14	5	3	5	2	10	5	7	6	7	11	8	4	1	11	15	2	2	0	15	13	3	0	0	89	125	58	47	46	Birmingham.
3	7	10	5	6	1	10	9	7	4	3	12	6	6	3	7	12	6	5	1	13	9	6	2	0	11	12	8	0	0	80	108	74	50	53	Kew Observatory.
2	7	8	4	10	1	6	9	8	7	1	9	8	6	6	7	13	5	5	1	5	13	7	5	0	13	8	7	3	0	72	87	79	50	77	Lympne
1	9	8	6	7	3	6	8	6	8	1	11	9	4	5	8	11	6	5	1	7	10	8	5	0	11	10	10	0	0	77	92	78	51	67	Southampton.
3	7	8	6	7	7	16	4	2	2	4	7	8	9	2	6	16	8	1	0	6	15	7	2	0	22	5	4	0	0	95	111	71	44	44	Rothsay.
1	9	8	9	4	7	14	5	2	3	6	7	8	9	0	6	15	9	1	0	10	12	8	0	0	14	14	3	0	0	96	122	69	40	38	Renfrew (Abbotsinch)
1	12	8	5	5	11	14	2	4	0	5	8	10	5	2	11	11	6	3	0	6	12	12	0	0	18	7	5	1	0	98	115	68	40	44	Eskdalemuir
1	7	7	4	12	2	10	8	4	6	3	8	4	4	4	7	11	6	7	0	7	12	7	4	0	19	8	4	0	0	82	97	65	53	68	Douglas.
1	11	3	5	11	2	15	6	3	5	1	7	10	8	4	7	12	10	2	0	11	13	4	2	0	14	15	2	0	0	73	125	65	43	59	Southport.
2	10	3	9	7	1	18	6	4	2	2	10	9	6	3	9	11	10	1	0	12	14	3	1	0	13	16	1	1	0	86	126	60	46	47	Stonyhurst.
3	8	4	4	12	5	9	7	8	2	3	9	9	4	5	11	8	4	8	0	11	9	9	1	0	12	16	3	0	0	80	103	70	49	63	Holyhead.
0	6	9	9	7	2	6	14	2	7	3	11	5	6	5	8	10	6	4	3	6	11	5	8	0	8	17	6	0	0	64	106	71	62	62	Falmouth.
6	6	5	10	4	6	17	4	2	2	5	6	10	8	1	9	11	6	5	0	9	10	7	4	0	16	12	3	0	0	94	111	68	54	38	Aldergrove
2	10	9	8	2	5	17	4	4	1	6	7	8	6	3	8	12	4	7	0	8	13	4	5	0	16	12	3	0	0	86	118	65	56	40	Armagh.

for the month of the maximum thermometer and the highest reading of the minimum thermometer were recorded.

July.				August.				September.				October.				November.				December.				Year.				STATION.
Coldest Day		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		
Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Max.	Date.	Min.	
18, 23, 25	55	20, 31	53	29	52	9	56	16, 24,	50	1	54	30	44	1	49	30	35	15, 18	47	2	36	17	46	Mar. 5	30	Aug. 9	56	Kirkwall
10	55	20	56	3, 4	55	8, 9, 28	56	25	49	8	55	30	44	1, 19	51	21	39	9	49	2	35	17	49	Mar. 6	32	July 20, Aug. 8, 9, 28	56	Stornoway
10	55	20	55	4	56	8	57	25	49	8	57	31	45	4	50	21	37	9	45	30	36	9	49	Jan. 26	29	Aug. 8	57	Aberdeen
18	55	22	57	4	56	26, 28	58	25	48	8	56	26	46	18	56	10	44	22	39	30	35	8	46	Jan. 20	26	Aug. 26, 28	58	Cockle Park
19	56	25	61	4, 5	61	27	65	25, 28,	57	3	62	29	50	18, 19	57	30	41	6	50	3	38	8	50	Jan. 21, 22	26	Aug. 27	65	Gorleston
18	58	4	60	4	59	19	63	30	55	1, 2, 20	57	26	46	23	57	12	41	3, 19	44	3	36	8, 9, 10	48	Jan. 21	26	Aug. 19	63	Cambridge (Bot. Gdns.)
17, 18	57	4	58	3	60	29	64	29	53	1	58	29, 30	45	5, 18	56	22	37	15	46	3, 30	35	22	51	Jan. 22	23	Aug. 29	64	Birmingham
18	58	21	63	4	61	28	64	28	55	1	61	26	47	7	55	11	40	6	45	26, 30	38	10	50	Jan. 22	27	Aug. 28	64	Kew Observ.
10	58	21	59	4	60	28	67	28	54	1, 13	60	28, 29,	51	23	57	4	39	6	47	2	36	8	49	Jan. 22	24	Aug. 28	67	Lympne
18	60	4, 21	59	8, 21	64	26	63	25, 26	58	1	61	26	46	23	58	22	42	7	50	30	38	21	50	Jan. 22	28	Aug. 26	63	Southampton
15, 21, 22	58	13	52	30	55	8	56	25, 26,	53	8	54	31	45	(19) 54	5, 22,	43	9, 15	45	2, 3	39	7	49	Mar. 6	31	Aug. 8	56	Rothsay	
8, 15, 22	60	3	59	29	57	8	61	20	53	8	56	25, 26,	48	18, 19	55	2	30	10	49	3	27	24	51	Dec. 3	27	Aug. 8	61	Renfrew (Abbotsinch)
15	58	3	54	30	55	10, 25	55	25	48	8	55	31	43	18	55	22	38	24	41	3	33	9	47	Jan. 22	24	Oct. 18	55	Eskdalemuir
3, 28	58	22	56	4, 8, 30	59	28, 29	58	25	51	1	58	25	46	18	54	21	41	10	48	2	41	9, 24	49	Mar. 5, 6	32	June 6	59	Douglas
18	60	4	58	3	60	8	61	25	53	1	59	31	46	18, 19	55	4	39	15	47	3, 29	39	9, 10	49	Jan. 20	26	June 6 Aug. 8	61	Southport
22	59	4	58	3, 4	58	28	64	25	50	1	58	31	45	5	54	22	37	10	45	3	35	10	48	Jan. 21	26	Aug. 28	64	Stonyhurst
17, 18	59	21	57	2	60	8, 28,	59	25	52	5, 11	56	25, 26,	49	18	55	21	47	9, 10, 16,	48	29	42	8, 9, 10,	49	Feb. 22	34	Aug. 8, 28, 29	59	Holyhead
18	61	21, 22	60	25	64	28	61	25, 28	55	1	61	29	50	4, 5, 23	57	23	40	3, 7, 20,	45	29	43	10	52	Feb. 23	33	June 6, Aug. 28, Sept 1	61	Falmouth
15	58	13, 20,	57	30	57	7	59	25	51	8	56	25	44	18	54	30	41	10	47	30	36	9	51	{ Jan. 14, Feb. 22, Mar. 6 }	33	Aug. 7	59	Aldergrove
28	59	20, 21	57	30	57	7	59	25	51	8	57	26	43	18	55	2	41	10	44	29	38	9	51	Jan. 14	33	Aug. 7	59	Armagh

TABLE IX [1913].—NUMBER OF DAYS in the YEAR with MAXIMUM and MINIMUM TEMPERATURES between given limits.

STATION.	MAXIMUM TEMPERATURE.								MINIMUM TEMPERATURE.								STATION	MAXIMUM TEMPERATURE.								MINIMUM TEMPERATURE.									
	32° or less.	33° to 41°.	42° to 50°.	51° to 59°.	60° to 68°.	69° to 77°.	78° to 86°.	Above 86°.	5° or less.	6° to 14°.	15° to 23°.	24° to 32°.	33° to 41°.	42° to 50°.	51° to 59°.	Above 59°.		32° or less.	33° to 41°.	42° to 50°.	51° to 59°.	60° to 68°.	69° to 77°.	78° to 86°.	Above 86°.	5° or less.	6° to 14°.	15° to 23°.	24° to 32°.	33° to 41°.	42° to 50°.	51° to 59°.	Above 59°.		
Kirkwall ..	2	63	125	137	37	1	0	0	0	0	1	44	126	151	43	0	Rothsay ..	1	47	96	126	91	4	0	0	0	0	0	0	1	76	118	142	28	0
Stornoway ..	1	24	137	165	38	0	0	0	0	0	0	25	126	145	69	0	Abbotsinch ..	10	52	77	98	110	17	1	0	0	0	0	0	8	71	94	118	73	1
Aberdeen ..	4	69	112	101	68	11	0	0	0	0	2	65	125	112	61	0	Eskdalemuir ..	20	63	85	113	75	9	0	0	0	0	5	30	91	126	88	25	0	
Cockle Park ..	2	59	76	109	83	29	1	0	0	0	11	76	121	111	46	0	Douglas ..	2	38	104	131	83	7	0	0	0	0	0	0	0	38	107	134	86	0
Gorleston ..	16	62	75	84	94	34	0	0	0	0	2	59	77	120	89	18	Southport ..	6	45	81	96	109	25	3	0	0	0	0	8	67	87	107	93	3	
Cambridge ..	9	54	61	78	88	58	15	2	0	0	13	69	100	102	74	7	Stonyhurst ..	12	55	80	104	95	17	2	0	0	0	0	9	66	106	104	76	4	
Birmingham ..	16	48	75	81	101	34	9	1	0	0	8	53	102	116	80	6	Holyhead ..	0	20	94	142	100	9	0	0	1	1	26	88	141	108	0			
Kew Obs. ..	11	50	67	93	89	42	12	1	0	0	10	55	82	116	90	12	Falmouth ..	0	16	66	139	119	24	1	0	0	0	2	19	76	148	107	13		
Lympne ..	22	44	69	90	94	40	6	0	0	0	16	48	101	118	73	9	Aldergrove ..	0	39	100	117	94	14	1	0	0	0	3	55	122	124	61	0		
Southampton ..	4	35	69	80	111	55	11	0	0	0	6	58	88	127	78	8	Armagh ..	0	26	101	102	109	26	1	0	0	0	3	46	120	130	66	0		

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.																											
o. Lerwick ..	405	168	211	82	71	103	42	54	207	288	249	292	2172	194	59	18	3	0	1	7	0	20	75	55	64	496	
Kirkwall ..	269	151	187	70	86	87	26	19	120	147	146	220	1528	88	16	10	2	5	0	0	0	6	34	23	40	224	
Stornoway ..	222	103	109	28	51	55	22	31	200	186	—	260	—	50	10	1	1	2	1	0	0	6	22	46	—	103	
1. Aberdeen ..	(95)	25	25	7	5	21	11	9	34	35	11	87	(365)	(7)	0	0	1	0	0	0	0	0	0	0	0	6	14
Bell Rock ..	180	93	123	37	35	12	46	39	105	148	35	202	1055	42	2	4	1	0	0	4	0	3	46	1	43	146	
Edinburgh ..	78	12	7	22	10	7	20	26	61	69	10	156	478	5	0	0	0	0	0	0	0	3	6	0	31	45	
6a. Tiree ..	165	21	61	5	3	3	12	39	130	196	53	272	960	41	0	0	0	0	0	0	0	6	32	4	30	113	
Paisley ..	22	4	13	33	19	13	13	6	40	72	4	125	364	2	0	0	0	0	1	0	0	0	5	0	14	22	
Abbotsinch ..	35	6	23	61	31	16	24	11	54	76	6	116	459	7	0	0	0	0	0	0	0	1	3	0	8	19	
Eskdalemuir ..	48	9	11	88	53	17	34	54	64	115	29	165	687	9	0	0	0	1	0	0	1	2	8	1	16	38	
6b. Point of Ayre ..	197	16	99	79	74	2	57	53	65	112	11	209	974	24	0	0	0	0	0	0	0	1	5	1	32	63	
2. South Shields ..	41	12	14	20	13	3	28	11	18	47	1	33	241	0	0	0	0	0	0	0	0	0	0	0	14	14	
Durham ..	—	13	1	53	19	18	12	10	35	64	4	98	—	—	0	0	1	2	0	0	0	0	15	0	15	—	
Catterick ..	8	2	0	13	20	5	11	4	22	48	2	56	191	0	0	0	0	0	0	0	0	0	0	0	1	—	
Spurn Head ..	59	7	39	159	52	4	41	13	19	63	—	57	—	0	0	0	0	2	6	0	0	0	0	—	16	—	
Cranwell ..	45	10	5	159	54	1	18	0	28	91	1	78	490	0	0	0	0	2	7	0	0	0	0	0	2	11	
3. Gorleston ..	29	21	0	100	36	1	21	5	4	12	8	44	281	0	0	0	0	2	0	0	0	0	1	0	9	12	
Mildenhall ..	22	7	1	120	54	0	18	13	15	44	0	49	343	0	0	0	0	8	5	0	0	0	1	0	0	14	
Cardington ..	8	0	4	99	41	0	17	9	3	14	—	38	—	0	0	0	3	8	0	0	0	0	—	2	—		
Shoeburyness ..	1	0	0	94	31	0	0	0	1	14	0	15	165	0	0	0	0	0	0	0	0	0	1	0	0	—	
4. Leicester ..	—	—	0	—	15	—	0	0	0	3	0	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Birmingham ..	15	4	1	84	30	1	9	1	1	21	0	49	—	0	0	0	1	0	0	0	0	0	1	0	0	—	
5. Southgate ..	0	0	0	—	—	—	—	—	—	—	1	0	0	0	0	0	0	—	—	—	—	—	—	—	—	—	
Kew ..	12	3	3	103	36	0	13	4	8	10	0	20	212	0	0	0	0	3	1	0	0	0	0	0	1	5	
Lympne ..	33	22	30	140	43	0	7	—	—	—	10	50	—	2	0	0	11	1	0	0	—	—	—	—	—	—	
Manston ..	13	19	1	101	26	0	2	0	4	—	—	25	—	0	0	0	1	1	0	0	0	0	—	—	—	—	
Calshot* ..	—	—	—	—	45	1	14	14	16	47	1	33	—	—	—	—	—	12	0	0	0	0	1	0	0	—	
Boscombe Down ..	—	2	5	136	42	0	26	21	7	17	0	50	—	—	0	0	3	4	0	0	0	0	0	0	2	—	
Larkhill ..	38	6	7	160	42	0	—	20	7	22	0	39	—	0	0	0	5	3	0	—	0	0	1	0	0	—	
7a. Fleetwood ..	49	7	0	75	22	13	43	34	75	114	2	147	581	2	0	0	2	0	0	0	0	0	2	0	9	15	
Manchester Barton ..	42	11	14	149	42	12	30	27	24	—	—	—	—	5	0	0	9	0	0	0	0	—	—	—	—	—	
Southport ..	43	1	0	73	24	1	34	20	34	116	3	46	395	0	0	0	0	0	0	0	0	8	0	1	9	—	
Liverpool ..	106	51	34	183	50	12	52	56	42	121	2	128	837	13	0	0	19	0	0	8	0	0	6	0	7	53	
7b. Manchester Ringway ..	46	7	7	129	48	2	11	21	22	47	3	92	435	1	0	0	9	0	0	0	0	0	0	0	6	16	
Holyhead ..	115	26	—	211	—	1	36	25	56	69	7	219	—	13	0	—	19	—	0	0	0	1	0	0	21	—	
Sealand ..	29	16	1	48	2	2	16	1	2	0	—	—	—	1	0	0	0	0	0	0	0	0	—	—	—	—	
8a. St. Ann's Head ..	279	44	78	224	123	15	77	70	135	165	23	258	1491	78	0	3	35	16	0	1	0	10	26	2	45	216	
8b. Plymouth ..	70	0	20	—	—	4	9	—	0	9	0	118	—	10	0	0	—	—	0	0	—	0	0	0	15	—	
The Lizard ..	179	55	19	209	58	4	20	0	52	87	18	166	867	35	0	0	18	8	0	0	0	0	12	1	40	114	
Pendennis Castle ..	124	12	16	191	101	2	5	15	13	33	3	148	663	15	0	0	17	8	0	0	0	0	1	0	27	68	
Aldergrove ..	60	0	15	39	11	2	6	8	13	16	2	84	256	1	0	0	1	0	0	0	0	0	0	0	6	8	
— Scilly ..	174	45	29	203	108	5	5	10	58	42	19	148	846	43	0	0	13	9	0	0	0	0	4	0	31	100	

*Thorney Island from May, 1942.

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.													Year.	†More than 24 mi/hr. or 10.7 m/s.													Year.
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.		Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
Number of days.															Number of days.													
o. Lerwick ..	12	6	3	1	1	0	1	0	4	8	4	10	50	24	12	19	8	12	13	8	9	19	21	22	28	195		
Kirkwall ..	7	2	1	0	0	0	0	0	0	4	2	2	18	20	11	16	8	9	7	5	7	10	15	8	21	137		
Stornoway ..	10	2	3	0	0	0	0	0	1	6	6	—	16	—	22	13	15	13	14	12	7	8	22	22	—	27	—	
1. Aberdeen ..	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	1	0	0	0	0	1	0	0	4	11		
Bell Rock ..	11	3	6	1	1	0	1	0	3	8	1	13	48	25	16	18	17	17	9	12	18	22	18	17	25	214		
Edinburgh ..	1	0	0	0	0	0	0	0	0	0	0	4	5	11	3	1	3	1	2	3	8	9	10	3	19	73		
6a. Tiree ..	3	0	0	0	0	0	0	0	1	4	1	5	14	15	3	6	1	1	1	6	9	15	22	10	26	115		
Paisley ..	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	2	1	10	16		
Abbotsinch ..	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	3	4	1	7	20		
Eskdalemuir ..	0	0	0	0	0	0	0	0	0	0	0	4	4	6	2	2	11	6	2	7	5	6	11	3	17	78		
6b. Point of Ayre ..	6	0	0	0	0	0	0	0	0	1	0	6	13	23	7	12	15	14	1	9	12	21	18	10	25	167		
2. South Shields ..	1	0	0	0	0	0	0	0	0	0	0	0	1	10	7	3	7	1	1	2	1	1	4	1	3	41		
Durham ..	—	0	0	0	0	0	0	0	0	0	0	0	—	—	1	0	7	2	0	1	0	2	4	2	10	—		
Catterick ..	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	4		
Spurn Head ..	0	0	0	2	1	0	0	0	0	0	1	0	2	6	13	5	10	18	15	4	9	8	7	18	0	14	111	
Cranwell ..	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	1	12	5	1	3	0	4	10	0	13	57		
3. Gorleston ..	0	0	0	0	1	0	0	0	0	1	0	0	2	12	3	7	13	3	0	2	2	5	2	1	9	59		
Mildenhall ..	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	11	6	0	2	2	1	7	0	7	41		
Cardington ..	0	0	0	1	2	0	0	0	0	0	0	0	3	6	1	1	15	6	0	3	4	2	6	2	15	61		
Shoeburyness ..	0	0	0	1	2	0	0	0	0	1	0	0	4	6	3	5	18	8	0	1	2	4	5	1	11	64		
4. Leicester ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Birmingham ..	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	—	0	0	0	0	0	0	1	—		
5. Southgate ..	0	0	—	—	—	—	—	—	—	—	—	—	—	0	0	0	7	3	1	1	0	0	3	0	5	21		
Kew ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	2	0	0	0	0	0	0	10		
Lympne ..	0	0	0	1	0	0	0	—	—	—	—	—	—	3	5	5	13	6	0	0	—	—	—	—	—	—		
Manston ..	0	0	0	0	0	0	0	0	—	—	—	—	—	5	4	1	11	3	0	0	0	0	—	—	—	—		
Calshot* ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Boscombe Down ..	—	0	0	0	1	0	0	0	0	0	0	0	1	—	—	—	—	5	0	0	0	0	5	0	0	—		
Larkhill ..	0	0	0	0	1	0	—	—	—	—	—	—	—	7	4	2	14	5	1	—	2	4	2	2	0	11		
7a. Fleetwood ..	0	0	0	0	—	—	—	—	—	—	—	—	—	7	4	2	14	5	1	—	2	0	3	0	8	—		
Manchester Barton ..	0	0	0	1	0	0	0	0	0	—	—	—	—	7	3	0	6	—	6	10	3	8	6	19	—	—		
Southport ..	0	0	0	0	0	0	0	0	0	2	0	1	3	7	4	1	17	6	3	4	5	3	—	—	—	—		
Liverpool ..	0	0	0	0	0	0	0	0	0	0	0	1	4	5	3	0	12	6	3	6	3	3	13	0	9	63		
7b. Manchester Ringway ..	2	0	0	1	0	0	0	0	0	0	0	1	4	12	4	6	13	5	2	7	2	5	11	0	15	72		
Holyhead ..	0	0	0	0	0	0	0	0	0	0	0	1	1	8	3	3	16	9	0	2	4	6	7	1	16	75		
Sealand ..	3	0	—	4	—	—	—	—	—	—	—	3	—	21	12	—	18	—	2	5	5	11	14	6	20	—		
8a. St. Ann's Head ..	0	0	0	0	0	0	0	0	0	—	—	—	—	3	4	0	3	0	2	3	0	1	0	—	—	—		
8b. Plymouth ..	5	0	2	8	4	0	1	1	3	6	1	9	40	25	9	20	20	16	6	11	10	15	16	2	24	174		
Lizard ..	2	0	1	—	—	—	—	—	—	—	—	6	—	11	1	6	—	—	2	—	3	5	4	1	16	—		
Pendennis Castle ..	7	0	0	3	3	0	0	0	0	2	0	20	35	23	11	7	18	11	4	7	5	9	15	6	7	123		
Aldergrove ..	6	0	0	8	4	0	0	0	1	0	0	18	39	22	13	8	17	16	2	10	8	13	9	6	5	129		
Scilly ..	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	1	0	0	0	0	1	0	8	17		
—	5	0	0	2	2	0	0	0	0	1	0	3	13	20	10	9	17	14	2	6	4	7	8	3	17	117		

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. ($6\frac{1}{2}$ 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	13th	04	160	47	21	01 55	67	30	18h. on 12th to 14h. on 13th.	
	"	19th	14	160	47	21	13 10	67	30	9h. on 19th to 4h. on 21st.	
	"	20th	02	160	47	21	04 05	72	32	9h. on 19th to 4h. on 21st.	
	"	21st	17	160	47	21	22 40	67	30	9h. on 19th to 4h. on 21st, 6h. on 21st to 4h. on 22nd.	
	"	23rd	19	150	49	22	23 20	74	33	18h. on 22nd to 21h. on 25th.	
	"	24th	24	140	(48)	(21)	02 50	69	31	18h. on 22nd to 21h. on 25th.	
	"	25th	(03)	140	(53)	(23)	(01 50)	(78)	(35)	18h. on 22nd to 21h. on 25th.	
	February	12th	23	350	(51)	(23)	22 10	74	33	15h. to 18h. on 12th, 20h. on 12th, 22h. on 12th to 10h. on 13th.	
	March	25th	08	290	50	22	07 25	72	32	7h. to 10h. on 25th, 12h. on 25th, 14h. to 16h. on 25th.	
	October	5th	17	270	50	22	16 35	76	34	15h. on 5th to 1h. on 6th.	
	"	9th	24	250	56	25	23 25	85	38	3h. on 9th, 7h. on 9th, 19h. on 9th, 21h. on 9th to 6h. on 10th.	
	"	10th	01	260	60	27	01 20	87	39	21h. on 9th to 6h. on 10th.	
	"	15th	15	260	51	23	07 55	85	38	3h. to 4h. on 15th, 6h. to 17h. on 15th, 19h. to 22h. on 15th.	
	November	6th	19	160	—	—	16 25	69	31	13h. to 24h. on 6th.	
	"	15th	10	270	51	23	09 35	85	38	1h. on 15th, 3h. to 5h. on 15th, 7h. to 16h. on 15th, 19h. to 24h. on 15th.	
	December	29th	01	10	55	25	00 45	81	36	1h. to 7h. on 29th.	
	"	30th	21	180	50	22	20 45	74	33	19h. to 23h. on 30th.	
	"	31st	05	300	49	22	05 20	74	33	2h. to 8h. on 31st, 10h. to 11h. on 31st.	
	Kirkwall	January	19th	15	Defective	49	22	19 25	67	30	10h. on 19th to 4h. on 20th.
	"	24th	24	Defective	48	21	22 05	72	32	16h. on 24th to 14h. on 25th.	
	"	25th	13	Defective	54	24	07 10	79	35	16h. on 24th to 14h. on 25th.	
	Stornoway	January	12th	17	170	51	23	16 10	68	30	12h. to 23h. on 12th.
"		22nd	19	180	48	21	20 40	67	30	16h. to 24h. on 22nd.	
"		27th	07	180	50	22	06 05	71	32	2h. to 12h. on 27th.	
February		27th	16	170	48	21	16 10	68	30	14h. on 27th, 16h. to 17h. on 27th.	
September		10th	13	210	47	21	12 20	63	28	11h. to 15h. on 10th, 18h. to 19h. on 10th.	
October		15th	05	260	48	21	04 20	66	29	23h. on 14th to 7h. on 15th, 10h. to 12h. on 15th, 14h. to 15h. on 15th.	
November						Records	defective				
December		9th	16	200	58	26	13 55	83	37	8h. to 17h. on 9th.	
"		13th	23	190	58	26	23 00	84	38	18h. on 13th to 5h. on 14th.	
"		14th	01	200	56	25	00 10	77	34	18h. on 13th to 5h. on 14th.	
"		19th	11	170	47	21	10 55	65	29	09h. to 13h. on 19th.	
"		21st	21	190	51	23	20 45	71	32	17h. to 22h. on 21st.	
"	23rd	10	(190)	54	24	09 20	76	34	3h. on 23rd to 7h. on 24th.		
"	24th	06	190	51	23	06 30	74	33	3h. on 23rd to 7h. on 24th.		
"	30th	17	200	48	21	16 00	70	31	13h. to 18h. on 30th, 23h. to 24h. on 30th.		
1. Bell Rock	January	4th	08	20	55	25	06 20	70	31	6h. to 22h. on 4th.	
	"	19th	18	180	47	21	12 30	64	29	13h. to 20h. on 19th.	
	"	25th	10	120	65	29	09 40	82	37	2h. to 12h. on 25th, 23h. on 25th to 2h. on 26th.	
	"	26th	01	60	53	24	00 05	68	30	23h. on 25th to 2h. on 26th.	
	July	25th	05	250	48	21	05 00	63	28	04h. to 11h. on 25th.	
	October	9th	19	240	49	22	16 45	65	29	12h. to 13h. on 9th, 15h. to 23h. on 9th.	
	"	15th	06	240	54	24	06 05	71	32	18h. on 14th to 17h. on 15th, 20h. on 15th.	
	"	29th	(17)	40	(47)	(21)	16 40	(62)	(28)	9h. on 29th to 2h. on 30th.	
	December	7th	22	270	59	26	21 10	79	35	17h. on 7th, 20h. on 7th to 4h. on 8th.	
	"	11th	02	220	47	21	02 20	66	29	2h. to 3h. on 11th.	
	"	21st	08	260	47	21	07 15	64	29	7h. to 9h. on 21st, 21h. to 24h. on 21st.	
	"	29th	12	10	48	21	13 35	65	29	6h. on 29th, 9h. to 18h. on 29th, 22h. on 29th to 3h. on 30th.	
6. Tiree	October	9th	15	250	50	22	14 10	68	30	9h. to 16h. on 9th.	
December	7th	19	240	55	25	18 10	82	37	17h. to 19h. on 7th, 20h. to 21h. on 7th.		
3. Shobernyness	October	26th	19	170	48	22	18 25	61	27	18h. to 19h. on 26th.	
7b. Holyhead	January	30th	16	290	50	22	14 40	67	30	15h. to 18h. on 30th.	
	April	28th	09	70	47	21	21 00	61	27	8h. to 12h. on 28th, 14h. to 17h. on 28th, 19h. on 28th, 21h. on 28th.	
8a. St. Ann's Head	January	15th	21	120	50	22	20 40	63	28	9h. on 15th to 12h. on 16th.	
	"	16th	01	120	48	21	02 10	63	28	9h. on 15th to 12h. on 16th.	
	April	1st.	15	270	54	24	11 20	83	37	10h. to 22h. on 1st.	

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.	
8a. St. Ann's Head —cont.	April	9th	24	270	47	21	22	15	67	30	4h. on 9th, 13h. to 14h. on 9th, 16h. on 9th to 3h. on 10th.
	May	28th	01	220	47	21	01	15	69	31	22h. on 27th to 4h. on 28th, 7h. to 8h. on 28th.
	October	9th	24	270	50	22	23	40	65	24	13h. on 9th to 6h. on 10th.
	„	10th	03	270	48	21	00	10	63	28	13h. on 9th to 6h. on 10th.
	December	13th	08	220	48	21	09	05	66	29	19h. on 12th to 13h. on 13th.
8b. Plymouth*	„	16th	08	160	52	23	07	40	74	33	4h. to 10h. on 16th.
	May	27th	24	—	48	21	23	55	63	28	23h. on 27th to 2h. on 28th.
	December	10th	18	—	48	21	17	20	61	27	8h. to 10h. on 10th, 13h. to 21h. on 10th.
	„	16th	08	—	51	23	06	20	67	30	04h. to 11h. on 16th.
	„	20th	22	—	47	21	21	20	63	28	21h. to 23h. on 20th.
Lizard	January	30th	24	300	51	23	23	55	74	33	19h. on 30th to 03h. on 31st.
	„	31st	01	310	58	26	00	30	84	38	19h. on 30th to 03h. on 31st.
	October	29th	09	80	50	22	12	55	69	31	04h. to 14h. on 29th.
Pendennis Castle	January	12th	21	210	48	21	21	40	58	26	17h. to 23h. on 12th.
	„	30th	24	330	51	23	23	50	80	36	13h. to 14h. on 30th, 23h. on 30th to 2h. on 31st.
	„	31st	01	10	50	22	00	35	75	33	23h. on 30th to 2h. on 31st.
	April	9th	14	260	51	23	13	20	65	29	2h. to 8h. on 9th, 11h. to 20h. on 9th.
	May	25th	10	240	47	21	09	30	63	28	04h. to 11h. on 25th.
„	27th	23	250	53	24	22	45	69	31	18h. on 27th, 22h. on 27th to 5hr. on 28th.	
— Scilly	„	28th	03	270	47	21	01	05	65	29	22h. on 27th to 5h. on 28th.
	May	27th	22	210	47	21	21	30	83	37	22h. on 27th to 4h. on 28th.
	„	28th	01	220	48	21	00	20	66	29	22h. on 27th to 4h. on 28th.

* Plymouth defective for part of year.

SUMMARY OF OBSERVATIONS FOR THE WHOLE YEAR, 1942

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. (9lb. 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. 8, 12, 13, 15, 16, 19, 20, 21, 22, 23, 24, 25, 27; Feb. 1, 2, 3, 12, 13, 27, 28; Mar. 13, 24, 25; Apr. 21; June 3; July 25; Sept. 5, 9, 10, 15, 16, 30; Oct. 6, 9, 10, 14, 15, 22, 23, 29, 30; Nov. 6, 14, 15, 16, 17, 19, 27; Dec. 1, 9, 11, 12, 15, 16, 24, 26, 28, 29, 30, 31.
Kirkwall	Jan. 12, 15, 16, 19, 20, 21, 22, 23, 24, 25; Feb. 2, 3, 12, 13, 27, 28; Mar. 3, 4, 24, 25; Apr. 12, 13; May 5, 6; Sept. 9, 15, 16; Oct. 5, 9, 10, 15, 22, 23; Nov. 6, 13, 14, 15, 19; Dec. 1, 8, 11, 15, 16, 28, 29, 31.
Stornoway	Jan. 1, 2, 4, 12, 15, 19, 21, 22, 24, 25, 27; Feb. 13, 26, 27; Mar. 25; Apr. 1; May 6; June 7; Aug. 16; Sept. 3, 4, 5, 10, 14, 15; Oct. 5, 6, 7, 9, 14, 15, 22, 23; (November Defective); Dec. 7, 9, 13, 14, 19, 20, 21, 23, 24, 25, 26, 27, 28, 30, 31.
1. Aberdeen	Jan. 25; Apr. 2; Dec. 7, 28, 29.
Bell Rock	Jan. 4, 15, 16, 19, 21, 24, 25, 26; Feb. 2, 13; March 4, 8; Apr. 12; July 25; Sept. 15; Oct. 5, 9, 14, 15, 26, 29, 30; Nov. 6; Dec. 7, 8, 9, 10, 11, 13, 16, 21, 22, 24, 28, 29, 30.
Edinburgh	Jan. 27; Sept. 4, 5; Oct. 9, 14, 15; Dec. 7, 9, 10, 11, 13, 21, 23, 24, 30.
6a. Tiree	Jan. 15, 16, 19, 21, 24, 25; Sept. 15, 21; Oct. 5, 8, 9, 14, 15; Nov. 6; Dec. 5, 7, 9, 13, 14, 16, 28, 30, 31.
Paisley	Jan. 25; June 7; Oct. 5, 9, 14, 15; Dec. 8, 9, 10, 11, 13, 30.
Abbotsinch	Jan. 25, 27; July 24; Sept. 15; October 15; Dec. 7, 10, 14.
Eskdalemuir	Jan. 4, 25, 27; May 28; Aug. 8; Sept. 4, 15; Oct. 5, 9, 14, 15; Nov. 6; Dec. 7, 9, 10, 11, 13.
6b. Point of Ayre	Jan. 15, 16, 19, 21, 24, 25, 26, 27; Sept. 5; October 9, 15; Nov. 6; Dec. 5, 9, 10, 13, 16, 21, 29, 30.
2. South Shields	No occasions.
Durham	Jan. 3, 23*; Apr. 6; May 27; Oct. 9, 15, 16; Dec. 7, 8, 9, 21.
Catterick	Dec. 21.
Spurn Head	Apr. 1; May 25, 28; Oct. 25; Dec. 29, 30.
Cranwell	Apr. 1, 28; May 25, 28; Dec. 5.
3. Gorleston	May 26; Oct. 25; Dec. 29, 30.
Mildenhall	Apr. 1, 28, 29; May 25, 26, 28; Oct. 15.
Cardington	Apr. 9; May 25, 28; Dec. 11.
Shoeburyness	Oct. 26.
4. Leicester	No occasions, Mar., May, Aug.-Dec. (records defective, Jan., Feb., April, June, July).
Birmingham	Apr. 1; Oct. 9.
5. Southgate	No occasions Jan.-Feb.; Oct.-Dec. (records defective Mar.-Sept.)
Kew	Apr. 28, 29; May 28; Dec. 5.
Lympne	Jan. 26; Apr. 9, 28, 29; May 26; *Oct. 25, 26; Dec. 11.
Manston	Apr. 19; May 26.
Calshot†	*Jan. 29; *Apr. 9; May 26, 28; Oct. 15.
Boscombe Down	Apr. 1, 9; May 26, 28; Dec. 5.
Larkhill	Apr. 1, 9, 27, 28, 29; May 28; Oct. 15.
7a. Fleetwood	Jan. 24, 26; Apr. 28, 29; Oct. 15, 16; Dec. 5, 16, 20, 21.
Manchester Barton	Jan. 25, 26; Apr. 10, 27, 28, 29.†
Southport	Oct. 9, 14, 25, 26; Dec. 5.
Liverpool	Jan. 25, 26; Apr. 1, 2, 9, 10, 28, 29; July 23; Oct. 15, 24, 26; Dec. 7, 21.
7b. Manchester Ringway	Jan. 26; Apr. 1, 7, 10, 28; Dec. 5, 10, 13, 16.
Holyhead	Jan. 25, 27, 29, 30; Apr. 25, 26, 28, 29; Dec. 5, 9, 10, 13, 16, 20, 29.
Sealand	Jan. 26.
8a. St. Ann's Head	Jan. 12, 15, 16, 24, 25, 27, 28, 29, 30, 31; Mar. 12, 13; Apr. 1, 4, 7, 9, 10, 29; May 24, 25, 26, 27, 28; Sept. 5, 23, 29; Oct. 8, 9, 10, 15, 23, 24; Nov. 6; Dec. 9, 10, 12, 13, 16, 19, 20, 31.
8b. Plymouth	Jan. 12, 13, 30, 31; *Apr. 9; *May 25, 27, 28; Dec. 10, 12, 16, 20.
Lizard	Jan. 12, 15, 16, 24, 25, 27, 28, 29, 30, 31; May 25, 27, 28; Oct. 25, 29. Dec. 9, 10, 12, 13, 16, 20, 22.
Pendennis Castle	Jan. 12, 15, 16, 28, 30, 31; Apr. 1, 6, 7, 9, 29; May 25, 27, 28; Oct. 25; Dec.
Aldergrove	Jan. 27; Apr. 29; Dec. 5, 7, 9, 13, 16.
— Scilly	Jan. 15, 16, 24, 27, 28, 29, 30, 31; Apr. 1, 4, 7, 9; May 9, 25, 27, 28; Oct. 29; Dec. 9, 10, 12, 13, 15, 16, 20.

* Incomplete; record for part of month defective. † Ceased Oct. 1942

† Thorney Island from May 1942.

TABLE XV [1912].—MAXIMUM SPEED in a Gust recorded by Dines Pressure Tube Anemometers during each Month of 1942, 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.	
o. Lerwick .. 1923	(35)	33	32	26	24	25	29	22	30	39	38	36	(31) (69)	43 95	Jan. 14 1925
Kirkwall .. 1930	35	29	28	26	25	24	22	20	28	37	33	36	29	45 100	Jan. 23 1938
Stornoway .. 1937	32	30	25	25	26	25	22	29	29	33	—	38	—	44 98	Nov. 18 1938
1. Aberdeen .. 1912	29	22	19	25	19	21	19	22	24	24	20	30	23	37 82	Oct. 25 1917
Bell Rock .. 1930	37	25	27	25	23	20	28	22	26	32	25	35	27	45 101	Oct. 19 1935
Edinburgh .. 1915	29	22	24	22	20	20	22	24	27	24	22	30	24	38 85	Jan. 28 1927
6a. Tiree .. 1927	32	21	24	19	18	19	22	21	28	33	26	37	25	48 108	Dec. 16 1936
Paisley .. 1914	25	20	21	20	20	27	23	19	24	26	22	30	23	47 104	Jan. 28 1927
Abbotsinch .. 1934	29	22	23	22	22	21	25	20	25	29	24	29	24	41 92	Jan. 28 1927
Eskdalemuir .. 1912	29	22	20	23	25	21	24	25	27	29	25	34	25	40 90	Oct. 19 1935
6b. Point of Ayre .. 1936	30	21	24	22	23	17	22	21	25	27	26	29	24	40 90	Oct. 25 1917
2. South Shields .. 1912	24	20	19	19	19	18	22	20	21	24	17	30	21	39 87	Dec. 6 1936
Durham .. 1938	—	20	19	25	25	20	21	21	22	29	21	29	—	38 84	Nov. 23 1928
Catterick .. 1932	21	19	15	21	21	22	20	18	20	22	17	29	20	39 88	Jan. 25-6 1935
Spurn Head .. 1913	22	19	21	26	26	18	23	21	21	27	17	31	23	39 87	Dec. 6 1940
Cranwell .. 1921	24	20	19	26	26	19	22	16	22	24	17	25	22	36 80	Oct. 29 1927
3. Gorleston .. 1912	21	19	16	22	27	17	20	20	20	25	21	28	21	35 77	Nov. 6 1921
Mildenhall .. 1936	21	21	18	26	27	16	20	21	21	30	15	23	22	41 91	Nov. 23 1938
Cardington .. 1932	22	16	18	29	29	14	19	19	20	22	—	25	—	39 88	Sept. 17 1935
Shoeburyness .. 1912	20	16	16	23	24	11	16	17	19	27	15	22	19	37 83	Jan. 12 1930
4. Leicester .. 1938	—	—	17	—	21	—	—	16	16	20	11	19	—	35 78	Nov. 23 1938
Birmingham .. 1924	23	21	17	25	23	21	20	17	19	25	16	24	21	38 84	Nov. 23 1938
5. Southgate .. 1941	15	13	—	—	—	—	—	—	—	18	9	15	—	25 57	Jan. 15 1939
Kew .. 1912	20	18	19	25	25	14	19	18	21	22	15	25	20	33 73	Nov. 23 1938
Lympne .. 1923	27	21	21	26	25	17	19	—	—	—	19	25	—	37 82	Nov. 9 1936
Manston .. 1938	22	21	18	26	26	13	18	17	20	—	—	22	—	31 69	Nov. 23 1938
*Calshot .. 1921	—	—	—	—	27	17	17	20	21	25	18	24	—	39 88	June 2 1938
Boscombe Down .. 1933	—	18	20	28	29	15	21	21	19	20	17	25	—	33 73	Nov. 23 1938
Larkhill .. 1921	24	19	21	29	30	17	—	22	19	25	16	22	—	36 80	Sept. 17 1935
7a. Fleetwood .. 1924	26	21	17	25	—	20	23	22	23	25	21	28	—	40 89	Dec. 6 1936
Manchester .. 1934	30	20	21	29	22	21	22	22	21	—	—	—	—	41 92	Oct. 4 1938
Barton .. 1912	23	20	17	23	21	18	24	22	22	27	19	25	22	43 96	Oct. 29 1927
7b. Liverpool .. 1929	28	24	21	30	21	19	27	22	23	25	19	32	24	45 101	Jan. 29 1938
Manchester .. 1942	25	18	18	29	24	18	19	22	22	24	18	31	22	49	—
Holyhead .. 1912	30	21	—	28	—	18	21	22	24	22	21	28	—	48 107	Feb. 28 1937
Sealand .. 1925	24	21	18	21	18	19	20	19	17	17	—	—	—	39 88	Nov. 25 1928
8a. St. Ann's Head .. 1941	35	22	25	37	31	21	24	24	28	29	25	38	28	48 108	Nov. 23 1938
8b. Plymouth .. 1912	29	17	22	—	—	17	20	—	17	24	17	30	—	43 96	Mar. 8 1922
Lizard .. 1935	38	21	22	29	28	23	21	17	23	31	24	35	26	42 94	Mar. 31 1941
Pendennis Castle .. 1909	36	19	20	29	31	17	20	21	20	25	18	32	24	46 103	Mar. 8 1922
Aldergrove .. 1927	29	16	23	25	21	19	20	20	20	21	18	27	22	38 84	Nov. 23 1928
Scilly .. 1912	30	20	22	26	37	19	19	19	21	33	20	34	25	49 111	Dec. 6 1929

† For the equivalent speeds in miles per hour reference should be made to the monthly issues.

* Thorney Island from May 1942.

TABLE XVII [1934].—WEEKLY VALUES OF MEAN VELOCITIES of Wind Components. Means of Values at the hours 3h., 9h., 15h. and 21h.

1942 Week ending	YARMOUTH (Gorleston)				HOLYHEAD.				SCILLY.			
	S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.
January 3rd ..	2.6	1.2	2.2	3.4	5.6	2.5	4.0	2.9	1.3	2.0	2.0	1.3
" 10th ..	2.8	4.7	2.2	4.3	3.3	8.3	6.6	3.5	0.0	3.2	2.1	1.9
" 17th ..	4.6	2.3	1.8	5.6	5.5	1.8	4.4	3.6	3.5	2.8	1.9	1.6
" 24th ..	6.3	0.7	3.2	4.9	6.4	3.5	7.2	2.5	2.6	2.4	2.3	0.7
" 31st ..	5.8	4.5	4.0	5.0	4.7	7.8	9.9	3.0	1.5	5.1	2.9	1.0
February 7th ..	4.5	5.5	2.0	5.5	3.7	5.3	7.3	5.2	0.0	6.4	4.8	6.5
" 14th ..	0.4	3.3	2.5	2.0	2.1	5.8	6.2	3.3	0.0	4.6	2.2	2.6
" 21st ..	1.1	2.8	0.4	5.8	2.7	1.8	2.4	5.5	3.8	2.0	0.0	7.1
" 28th ..	3.6	2.7	3.0	6.6	2.9	3.0	2.6	3.9	6.9	3.7	3.0	6.4
March 7th ..	3.7	4.4	1.9	6.4	4.0	2.0	4.3	6.0	5.9	4.3	2.8	4.2
" 14th ..	4.0	1.1	2.8	3.7	5.1	2.1	4.5	3.9	5.2	0.0	4.0	4.1
" 21st ..	4.4	2.0	1.7	2.0	5.3	2.5	1.9	2.0	6.4	3.2	4.1	2.7
" 28th ..	1.1	3.4	1.6	4.7	3.4	2.9	1.1	5.6	1.9	2.5	0.0	5.0
April 4th ..	7.8	4.5	3.8	4.0	5.8	5.6	6.7	2.2	6.3	3.5	7.8	2.1
" 11th ..	5.8	2.8	5.0	0.0	6.8	0.0	6.2	2.9	7.1	0.0	7.6	5.5
" 18th ..	4.5	2.2	0.0	5.4	3.5	3.3	3.4	5.8	3.9	2.2	1.4	5.0
" 25th ..	2.0	3.5	1.3	6.3	4.5	3.6	1.9	11.8	2.1	2.5	2.0	6.9
May 2nd ..	2.2	4.3	0.9	9.2	0.0	4.2	2.0	12.4	2.1	3.7	3.6	10.3
" 9th ..	2.6	3.1	3.0	5.5	6.3	2.1	2.1	9.9	3.7	2.4	3.4	7.0
" 16th ..	2.4	3.7	1.2	3.1	5.8	4.7	2.7	7.8	5.0	4.2	2.7	4.9
" 23rd ..	4.9	1.8	2.5	1.9	5.4	1.8	3.3	2.9	5.0	2.4	4.9	2.7
" 30th ..	4.0	2.0	6.4	0.0	7.4	1.8	4.2	0.0	5.8	1.4	7.6	0.0
June 6th ..	1.8	2.9	1.4	1.0	6.0	3.8	2.6	1.5	(3.3)	(2.5)	(2.2)	(5.2)
" 13th ..	2.9	3.1	1.9	3.5	0.0	4.3	4.6	1.2	2.6	6.5	2.7	4.4
" 20th ..	2.8	2.5	1.3	2.1	4.2	4.3	2.6	1.3	0.8	1.5	4.0	1.1
" 27th ..	3.4	3.0	1.0	2.5	4.7	4.1	2.3	0.0	0.3	4.3	3.3	1.7

SECRET

TABLE XVI [1912].—MAXIMUM VALUE of the MEAN SPEED for an Hour measured as in Table XIIB during each Month of 1942.
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. (23)	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s. (21)	m.p.h. (47)
0.	Lerwick	D	23	23	22	17	17	16	20	15	20	27	23	25	21	1.5
	Kirkwall	D	24	20	18	17	15	14	13	13	15	19	17	19	17	1.7
	Stornoway	D	23	21	18	16	17	17	15	20	21	21	—	26	—	—
1.	Aberdeen	D	13	12	10	11	9	10	9	10	11	11	9	15	11	2.1
	Bell Rock	D	29	20	20	20	19	16	21	17	19	24	19	26	11	2.5
	Edinburgh	D	20	15	14	13	12	12	13	15	16	17	14	20	15	1.6
6a.	Tiree	D	20	13	15	13	11	11	13	17	18	22	18	25	16	1.6
	Paisley	D	11	8	10	9	9	10	9	9	12	12	12	16	11	2.1
	Abbotsinch	D	15	12	11	11	12	11	13	9	12	13	12	16	12	2.0
	Eskdalemuir	D	14	13	13	14	16	11	13	15	17	16	16	20	15	1.7
6b.	Point of Ayre	D	19	15	16	15	16	11	17	15	16	17	15	19	16	1.5
2.	South Shields	D	18	13	15	12	11	12	15	11	12	16	11	18	14	1.5
	Durham	D	—	11	11	13	13	11	11	11	11	13	12	17	—	—
	Catterick	D	12	10	8	11	9	10	9	8	10	11	8	12	10	2.0
	Spurn Head	D	16	14	16	18	19	13	17	15	15	17	10	21	16	1.4
	Cranwell	D	15	13	12	16	17	11	13	10	13	13	10	15	13	1.7
3.	Gorleston	D	17	13	13	15	18	9	13	13	12	17	12	15	14	1.5
	Mildenhall	D	12	12	10	17	15	9	12	11	13	14	9	15	12	1.8
	Cardington	D	13	11	13	17	19	8	14	13	13	13	12	17	14	—
	Shoeburyness	D	15	12	13	19	19	9	13	13	15	21	12	16	15	1.3
4.	Leicester	D	—	—	11	—	11	—	—	9	9	10	7	11	—	—
	Birmingham	D	14	10	9	14	13	11	11	10	10	13	10	12	11	1.9
5.	Southgate	d	6	5	—	—	—	—	—	—	—	6	4	7	—	—
	Kew	D	11	9	11	15	13	7	11	10	10	9	7	10	10	2.0
	Lympne	D	14	13	15	17	14	10	9	—	—	—	10	13	—	—
	Manston	D	15	13	12	16	13	7	10	9	10	—	—	13	—	—
	Calshot	*D	—	—	—	—	15	10	10	11	10	13	9	24	—	—
	Boscombe Down	D	—	10	13	17	17	8	12	13	12	12	9	15	—	—
	Larkhill	D	14	13	13	17	17	13	—	13	11	15	10	14	—	—
7a.	Fleetwood	D	17	16	9	14	—	15	16	15	16	17	12	19	—	—
	Manchester Barton	D	17	13	13	18	14	14	13	13	13	—	—	—	—	—
	Southport	D	17	13	11	17	14	13	17	17	14	20	10	18	15	1.5
	Liverpool	D	19	15	12	18	13	12	17	13	15	16	10	19	15	1.6
7b.	Manchester	D	16	12	13	17	15	11	12	14	15	13	13	17	14	1.6
	Ringway	D	22	13	15	21	17	—	16	13	15	16	13	20	—	—
	Holyhead	D	15	11	8	13	9	12	13	9	11	9	—	—	—	—
	Sealand	D	22	13	18	24	21	14	18	17	20	22	18	21	19	1.5
8a.	St. Ann's Head	§	21	13	17	—	—	11	16	—	13	18	13	23	—	—
8b.	Plymouth	§	26	14	16	20	20	15	15	13	16	22	16	25	18	1.4
	Lizard	D	23	15	17	23	24	13	17	17	17	20	15	26	19	1.4
	Pendennis Castle	§	13	8	11	13	11	9	9	9	11	13	9	17	11	2.0
	Aldergrove	D	21	13	14	20	21	13	14	13	15	21	14	19	17	1.5
	Scilly	D	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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. † 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. § See "Notes" column of Table X. * Thorney Island from May, 1942.

TABLE XVII [1934] (continued).—WEEKLY VALUES of MEAN VELOCITIES of Wind Components. Means of Values at the Hours 3h., 9h., 15h. and 21h.

1942 Week ending			YARMOUTH (Gorleston)				HOLYHEAD.				SCILLY.			
			S.	N.	W.	E.	S.	N.	W.	E.	S.	N.	W.	E.
July	4th	..	m/s. 3.3	m/s. 2.5	m/s. 2.2	m/s. 2.8	m/s. 5.5	m/s. 4.8	m/s. 3.0	m/s. 1.5	m/s. 5.1	m/s. 4.3	m/s. 3.0	m/s. 1.9
"	11th	..	3.1	2.3	2.3	2.7	5.7	4.6	4.2	0.8	3.9	6.1	3.2	2.7
"	18th	..	1.4	3.6	1.8	1.5	4.0	7.6	4.6	0.0	3.2	4.9	4.2	0.0
"	25th	..	2.1	3.5	3.4	1.4	4.2	2.8	5.5	0.0	3.6	3.2	5.4	0.0
August	1st	..	2.4	1.6	1.8	2.4	4.0	3.1	3.4	3.9	2.7	3.0	4.4	1.9
"	8th	..	3.3	3.3	1.8	2.2	5.8	3.9	2.7	4.5	4.6	3.0	3.5	1.1
"	15th	..	3.3	1.5	5.0	2.5	5.3	1.4	5.6	0.0	3.7	2.3	5.8	1.0
"	22nd	..	3.6	1.1	2.7	1.6	7.3	7.2	4.0	1.5	3.9	2.3	4.2	0.0
"	29th	..	3.4	2.0	1.4	0.4	4.1	3.6	2.2	1.8	4.2	1.7	1.8	2.8
September	5th	..	4.0	1.6	2.9	0.0	5.7	2.0	3.6	5.5	5.1	2.5	4.7	3.4
"	12th	..	1.3	2.2	2.4	2.8	4.8	3.2	3.9	2.2	3.7	4.0	3.3	2.6
"	19th	..	1.2	2.6	3.6	5.1	3.7	2.0	6.0	4.4	3.7	2.0	3.3	5.0
"	26th	..	3.8	2.3	3.4	2.0	3.0	5.8	7.7	3.7	4.5	7.3	7.4	3.9
October	3rd	..	3.9	2.0	1.7	3.0	4.8	2.1	3.0	4.0	4.7	2.6	3.0	4.1
"	10th	..	2.5	2.2	3.4	2.4	5.7	4.3	7.0	0.0	4.9	4.0	8.7	1.9
"	17th	..	1.6	1.6	3.9	0.0	5.0	4.8	6.7	0.0	4.1	2.1	4.6	0.0
"	24th	..	1.7	2.1	3.5	0.0	4.4	4.4	5.7	0.0	3.6	3.5	6.5	0.8
"	31st	..	8.6	3.7	2.8	3.1	2.4	6.3	7.1	4.9	4.2	5.7	5.0	5.5
November	7th	..	3.4	2.0	1.9	3.9	4.1	3.0	5.6	2.1	3.7	3.3	4.6	2.3
"	14th	..	1.5	1.7	1.8	2.1	4.0	5.4	3.9	1.7	3.2	6.9	2.4	2.5
"	21st	..	0.4	3.2	1.7	1.2	0.0	5.7	3.6	2.5	0.0	4.0	1.7	2.5
"	28th	..	0.0	3.7	1.6	1.7	0.8	3.6	2.9	3.1	0.0	2.8	0.0	4.2
December	5th	..	4.3	2.0	3.0	0.0	5.2	4.8	8.3	2.9	5.4	2.4	5.5	3.8
"	12th	..	5.3	2.9	3.0	0.0	7.5	0.0	4.1	4.8	8.5	1.3	4.9	3.3
"	19th	..	6.3	1.7	1.7	1.9	7.9	0.0	3.1	2.7	9.1	2.3	3.7	4.6
"	26th	..	4.5	1.0	2.8	1.3	7.1	2.9	3.8	2.1	7.0	4.4	4.4	0.8

TABLE XVIII, FORMERLY XVII, [1917].—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of winds of various strengths from different directions at 7h.

The following Tables incorporate the material used for drawing the "Wind-roses" shown on the Monthly Weather Report charts of mean pressure.

The tables show only eight possible directions for the wind. Observations at intermediate points are "thrown" alternatively forward and backward. The categories Light Winds, Strong Winds and Gales are equivalent to the Beaufort Forces 1 to 3, 4 to 7, 8 to 12, respectively.

The instructions to observers for estimating wind-force on the Beaufort Scale are published in the *Meteorological Observer's Handbook* where the conventional equivalents of the scale in terms of wind-speed at 10 metres above ground will also be found.

Wind-roses have been published in the Monthly Weather Report since 1884, but the present form, which indicates the strength as well as the direction of the winds, was not adopted until 1905.

SUMBURGH LINKS

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 ..	2	0	0	1	1	0	0	0	0	2	2	1	3	9	0	3	3	0	1	0	0	1	0	0	13	15	1	2
February ..	5	1	1	1	0	0	0	0	0	3	0	0	3	2	1	1	2	0	1	1	0	2	0	0	16	6	2	4
March ..	4	2	0	0	0	0	1	1	0	1	8	0	1	7	0	1	1	0	0	2	0	0	0	1	8	21	1	1
April ..	4	0	0	3	0	0	6	1	0	3	5	0	1	1	0	1	0	0	2	2	0	1	0	0	21	9	0	0
May ..	5	1	0	2	1	0	0	3	0	0	6	0	1	1	0	1	2	0	1	4	0	3	0	0	13	18	0	0
June ..	5	3	0	1	0	0	0	1	0	0	1	0	2	1	0	3	4	0	2	3	0	1	3	0	14	16	0	0
July ..	2	1	0	2	0	0	2	0	0	2	3	0	4	1	0	4	3	0	1	1	0	3	2	0	20	11	0	0
August ..	3	0	0	5	0	0	0	4	0	0	6	0	1	1	0	2	4	0	2	0	0	1	1	0	14	16	0	1
September ..	1	2	0	2	1	0	0	0	0	2	2	0	2	3	0	1	6	0	1	4	0	0	1	1	9	19	1	1
October ..	1	2	0	2	2	0	0	1	0	0	0	0	1	5	0	0	6	1	1	3	1	0	4	0	5	23	2	1
November ..	1	6	0	1	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	8	1	1	4	0	3	24	1	2
December ..	1	1	1	2	2	0	0	1	0	0	1	0	2	6	0	0	7	0	0	2	1	0	3	1	5	23	3	0
Year ..	34	19	2	22	7	0	9	12	0	13	34	1	21	41	1	17	40	1	12	30	3	13	18	3	141	201	11	12

STORNOWAY.

January ..	1	1	0	0	1	0	0	1	0	0	2	0	3	5	2	5	2	0	4	0	0	1	1	0	14	13	2	2
February ..	1	0	0	0	1	0	3	1	0	3	0	0	0	3	0	3	2	0	2	2	0	1	2	0	13	11	0	4
March ..	0	1	0	0	2	0	0	4	0	4	7	0	1	3	0	2	1	0	3	1	0	1	0	0	11	19	0	1
April ..	1	1	0	0	2	0	2	4	0	3	4	0	1	3	0	1	1	0	1	1	0	1	1	0	10	17	0	3
May ..	2	1	0	2	3	0	3	5	0	2	1	0	0	3	0	2	3	0	0	0	0	2	0	0	13	16	0	2
June ..	1	2	0	0	2	0	1	1	0	3	0	0	3	3	0	2	4	0	2	3	0	0	1	0	12	16	0	2
July ..	2	1	0	1	0	0	0	0	0	3	1	0	3	1	0	6	1	0	4	1	0	1	0	0	20	5	0	6
August ..	0	0	0	1	2	0	3	1	0	2	1	0	5	3	0	1	4	0	1	0	0	1	1	0	14	12	0	5
September ..	1	1	0	0	2	0	1	0	0	2	0	0	0	7	0	1	8	0	0	2	0	2	1	1	7	21	1	1
October ..	1	2	0	0	2	0	0	1	0	0	0	0	0	2	0	4	5	1	3	4	0	1	1	0	9	17	1	4
November ..	4	1	0	0	0	0	0	0	0	0	0	0	1	2	0	1	3	0	9	2	0	6	0	0	21	8	0	1
December ..	2	1	0	0	0	0	0	1	0	0	2	0	0	7	2	2	6	1	2	1	0	0	2	0	6	20	3	2
Year ..	16	12	0	4	17	0	13	19	0	22	18	0	17	42	4	30	40	2	31	17	0	17	10	1	150	175	7	33

ABERDEEN.

January ..	1	1	0	0	1	0	1	0	0	2	3	0	3	5	0	2	1	0	2	0	0	6	1	0	17	12	0	2
February ..	2	0	0	0	0	0	1	0	0	1	2	0	3	1	0	2	0	0	2	1	0	10	2	0	21	6	0	1
March ..	0	0	0	0	0	0	2	1	0	3	3	0	5	2	0	5	0	0	1	0	0	7	0	0	23	6	0	2
April ..	1	0	0	0	0	0	3	0	0	4	1	0	4	1	0	2	0	0	3	0	0	8	0	0	25	2	0	3
May ..	4	1	0	0	2	0	2	1	0	1	2	0	2	2	0	3	1	0	2	1	0	4	2	0	18	12	0	1
June ..	5	2	0	2	0	0	1	0	0	1	0	0	3	0	0	3	0	0	4	0	0	4	4	0	23	6	0	1
July ..	2	3	0	1	0	0	2	0	0	0	0	0	2	0	0	7	1	0	5	0	0	8	0	0	27	4	0	0
August ..	6	0	0	2	0	0	0	0	0	3	0	0	7	0	0	5	0	0	1	0	0	5	0	0	29	0	0	2
September ..	0	0	0	0	0	0	0	0	0	3	0	0	5	1	0	7	1	0	2	1	0	7	2	0	24	5	0	1
October ..	0	2	0	0	1	0	0	0	0	1	0	0	6	0	0	5	1	0	6	1	0	5	0	0	23	5	0	3
November ..	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	4	1	0	6	0	0	13	3	0	24	5	0	1
December ..	0	1	0	1	0	0	0	0	0	0	1	0	2	5	0	8	3	0	3	0	0	1	5	0	15	15	0	1
Year ..	21	11	0	6	4	0	12	2	0	19	12	0	43	17	0	53	9	0	37	4	0	78	19	0	269	78	0	18

SECRET

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 ..	1	2	0	1	1	0	2	0	0	2	1	0	5	1	0	2	2	0	0	0	0	0	0	0	13	7	0	11
February ..	2	1	0	6	1	0	1	0	0	1	0	0	2	0	0	0	0	0	1	2	0	1	0	0	14	4	0	10
March ..	3	0	0	3	1	0	1	2	0	1	1	0	1	0	0	2	1	0	1	0	0	2	0	0	14	5	0	12
April ..	2	1	0	4	3	0	0	2	0	2	0	0	2	1	0	1	3	0	0	1	0	0	1	0	11	12	0	7
May ..	1	0	0	5	2	0	1	1	0	0	0	0	6	4	0	1	1	0	0	1	0	0	1	0	14	10	0	7
June ..	2	0	0	3	0	0	2	1	0	1	0	0	2	0	0	3	2	0	1	2	0	2	1	0	16	6	0	8
July ..	2	2	0	1	0	0	1	0	0	1	0	0	4	1	0	5	4	0	1	1	0	1	1	0	16	9	0	6
August ..	2	0	0	2	2	0	1	0	0	0	0	0	5	1	0	3	3	0	1	2	0	0	1	0	14	9	0	8
September ..	1	0	0	2	1	0	1	0	0	0	0	0	3	2	0	3	5	0	2	3	0	0	1	0	12	12	0	6
October ..	1	1	0	0	1	0	0	0	0	0	0	0	5	0	0	5	7	0	4	2	0	0	1	0	15	12	0	4
November ..	7	0	0	1	0	0	0	0	0	0	0	0	2	0	0	1	1	0	2	0	0	5	1	0	18	2	0	10
December ..	1	2	0	0	0	0	0	0	0	0	2	0	6	5	0	2	4	0	0	2	0	0	1	0	9	16	0	6
Year..	25	9	0	28	12	0	10	6	0	8	4	0	43	15	0	28	33	0	13	16	0	11	9	0	166	104	0	95

TYNEMOUTH.

January ..	2	2	0	0	2	1	0	0	0	1	2	0	2	7	0	1	1	0	5	2	0	2	1	0	13	17	1	0
February ..	2	1	0	1	3	0	1	2	1	1	1	0	1	2	0	0	0	0	3	2	0	4	3	0	13	14	1	0
March ..	0	0	0	2	1	0	2	1	0	0	2	2	4	5	0	6	0	0	4	0	0	2	0	0	20	9	2	0
April ..	2	0	0	2	0	0	0	7	0	1	2	0	1	2	0	6	0	0	1	4	0	1	0	0	14	15	0	1
May ..	2	2	0	0	1	0	2	2	0	1	0	0	1	6	0	2	1	0	5	2	0	3	0	0	16	14	0	1
June ..	2	4	0	1	2	0	1	0	0	0	0	0	2	0	0	6	0	0	4	4	0	3	1	0	19	11	0	0
July ..	2	2	0	0	0	0	0	0	0	0	0	0	1	2	0	7	1	0	7	6	0	2	1	0	19	12	0	0
August ..	1	4	0	0	1	0	0	0	0	1	0	0	4	3	0	6	2	0	5	2	0	2	0	0	19	12	0	0
September ..	0	1	0	0	1	0	2	0	0	1	0	0	3	1	0	9	2	0	4	4	0	1	1	0	20	10	0	0
October ..	0	1	1	0	1	0	0	0	0	0	0	0	1	1	0	6	2	0	11	6	0	1	0	0	19	11	1	0
November ..	3	2	0	1	0	0	0	1	0	0	0	0	0	0	0	3	0	0	7	3	0	7	3	0	21	9	0	0
December ..	0	0	1	0	0	0	0	0	0	0	1	0	3	5	0	6	2	0	6	3	0	3	1	0	18	12	1	0
Year..	16	19	2	7	12	1	8	13	1	6	8	2	23	34	0	58	11	0	62	38	0	31	11	0	211	146	6	2

YARMOUTH (GORLESTON)

January ..	4	1	0	0	2	0	0	3	0	2	4	0	0	1	0	2	3	0	5	1	0	3	0	0	16	15	0	0
February ..	1	0	0	2	6	0	0	6	0	0	1	0	0	0	0	2	1	0	2	1	0	4	2	0	11	17	0	0
March ..	4	0	0	1	4	0	1	3	0	2	4	0	3	1	0	4	1	0	1	0	0	1	0	0	17	13	0	1
April ..	0	0	0	1	2	0	2	7	0	1	2	0	0	1	0	2	3	0	4	2	0	1	2	0	11	19	0	0
May ..	3	2	0	1	3	0	1	2	0	1	0	0	2	0	0	2	3	0	4	1	0	4	1	0	19	12	0	0
June ..	1	2	0	3	1	0	1	0	0	1	1	0	4	0	0	3	0	0	2	0	0	10	0	0	25	4	0	1
July ..	3	2	0	1	0	0	1	0	0	1	1	0	0	3	0	4	1	0	6	0	0	7	1	0	23	8	0	0
August ..	1	0	0	1	0	0	1	0	0	1	0	0	4	1	0	8	1	0	6	0	0	6	0	0	28	2	0	1
September ..	2	0	0	2	2	0	0	1	0	1	0	0	0	3	0	5	1	0	11	0	0	2	0	0	23	7	0	0
October ..	4	1	0	0	0	0	0	0	0	0	0	0	1	0	0	7	1	0	9	2	0	5	1	0	26	5	0	0
November ..	1	3	0	2	1	0	2	0	0	1	0	0	1	0	0	2	0	0	6	0	0	10	0	0	25	4	0	1
December ..	0	1	0	0	0	0	0	0	0	0	0	0	1	5	0	6	4	0	4	2	0	7	1	0	18	13	0	0
Year..	24	12	0	14	21	0	9	22	0	11	13	0	16	15	0	47	20	0	60	9	0	60	8	0	241	120	0	4

BIRMINGHAM (EDGBASTON)

January ..	2	1	0	1	0	0	1	0	0	7	1	0	3	1	0	6	1	0	1	0	0	4	1	0	25	5	0	1
February ..	7	0	0	5	0	0	3	0	0	2	0	0	1	0	0	3	0	0	1	0	0	5	1	0	27	1	0	0
March ..	1	0	0	5	0	0	7	0	0	5	1	0	4	2	0	3	0	0	0	0	0	1	0	0	26	3	0	2
April ..	1	0	0	6	2	0	2	3	0	2	0	0	4	1	0	5	0	0	3	0	0	0	1	0	23	7	0	0
May ..	1	0	0	5	1	0	2	1	0	1	0	0	6	2	0	7	2	0	2	1	0	0	0	0	24	7	0	0
June ..	2	1	0	2	0	0	3	0	0	1	0	0	2	0	0	3	0	0	4	0	0	7	1	0	24	2	0	4
July ..	2	0	0	1	0	0	1	0	0	1	0	0	5	0	0	6	0	0	3	2	0	8	1	0	27	3	0	1
August ..	1	0	0	3	0	0	1	0	0	2	0	0	9	1	0	5	1	0	4	1	0	1	0	0	26	3	0	2
September ..	2	0	0	2	0	0	2	0	0	3	1	0	4	0	0	9	1	0	4	0	0	1	1	0	27	3	0	0
October ..	3	0	0	1	0	0	1	0	0	2	0	0	4	0	0	10	4	0	3	1	0	1	1	0	25	6	0	0
November ..	4	0	0	2	0	0	1	0	0	0	0	0	2	0	0	2	0	0	3	0	0	12	1	0	26	1	0	3
December ..	1	1	0	0	0	0	0	0	0	2	2	0	7	2	0	9	1	0	3	0	0	1	1	0	23	7	0	1
Year..	27	3	0	33	3	0	24	4	0	28	5	0	51	9	0	68	10	0	31	5	0	41	9	0	303	48	0	14

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 ..	2	3	0	4	6	0	2	5	0	1	0	0	0	0	0	2	1	0	2	0	0	1	0	0	14	15	0	2
February ..	1	0	0	2	1	0	1	1	0	1	1	0	2	1	0	4	3	0	5	1	0	2	0	0	18	8	0	2
March ..	4	1	0	4	2	0	2	1	0	2	0	0	3	0	0	7	1	0	1	1	0	1	0	0	24	6	0	1
April ..	1	1	0	5	5	0	2	0	0	1	1	0	1	0	0	8	1	0	3	0	0	0	0	0	21	8	0	1
May ..	6	1	0	4	3	0	1	0	0	1	0	0	2	0	0	5	1	0	4	0	0	0	0	0	23	5	0	3
June ..	4	0	0	4	2	0	4	0	0	0	0	0	2	0	0	3	0	0	5	0	0	3	0	0	25	2	0	3
July ..	2	0	0	5	0	0	0	0	0	1	0	0	3	0	0	8	0	0	5	0	0	5	0	0	29	0	0	2
August ..	1	0	0	0	1	0	1	0	0	2	0	0	3	0	0	9	3	0	6	1	0	2	0	0	24	5	0	2
September ..	1	0	0	10	0	0	3	0	0	1	0	0	2	0	0	6	0	0	4	0	0	0	0	0	27	0	0	3
October ..	4	1	0	3	0	0	2	0	0	1	0	0	1	0	0	6	1	0	5	1	0	3	0	0	25	3	0	3
November ..	4	0	0	5	0	0	2	0	0	4	0	0	3	0	0	5	1	0	1	0	0	3	0	0	27	1	0	2
December ..	2	0	0	0	1	0	2	0	0	0	0	0	1	0	0	11	2	0	8	1	0	3	0	0	27	4	0	0
Year..	32	7	0	46	21	0	22	7	0	15	2	0	23	1	0	74	14	0	49	5	0	23	0	0	284	57	0	24

HOLYHEAD.

January ..	0	4	0	1	6	0	0	9	1	4	2	0	1	1	0	0	0	0	1	0	0	1	0	0	6	24	1	0
February ..	0	2	0	0	1	0	1	2	1	2	2	0	1	2	0	3	4	0	0	2	0	0	5	0	7	20	1	0
March ..	0	2	0	2	5	0	1	3	0	1	0	0	3	2	0	1	5	0	2	1	0	0	0	0	10	18	0	3
April ..	0	1	0	0	8	0	0	6	0	4	0	0	0	1	0	1	3	0	3	2	0	0	1	0	8	22	0	0
May ..	0	3	0	1	5	0	1	2	0	2	0	0	2	3	0	2	1	0	1	4	0	1	0	1	9	19	0	3
June ..	1	1	0	2	2	0	3	1	0	0	0	0	4	4	0	2	1	0	2	1	0	1	1	0	15	12	0	3
July ..	1	0	0	1	0	0	2	0	0	0	0	0	3	3	0	5	2	0	1	3	0	3	3	0	16	11	0	4
August ..	1	0	0	0	1	0	2	0	0	3	0	0	0	0	0	1	8	0	3	5	0	3	3	0	13	17	0	1
September ..	3	0	0	4	0	0	3	0	0	2	1	0	2	4	0	3	2	0	1	0	0	1	3	0	19	10	0	1
October ..	1	4	0	6	0	0	3	0	0	1	1	0	0	4	0	1	3	0	0	1	1	3	2	0	15	15	1	0
November ..	2	0	0	7	0	0	0	2	1	1	3	1	1	1	2	0	2	0	0	1	0	0	2	0	11	11	4	4
December ..	2	0	0	1	0	0	1	0	0	3	0	0	1	0	0	1	8	0	0	5	0	1	5	0	10	18	0	3
Year..	11	17	0	25	28	0	17	25	3	23	9	1	18	25	2	20	39	0	13	26	1	12	28	0	139	197	7	22

SCILLY.

January ..	1	3	0	2	10	0	1	2	0	2	2	0	1	1	0	0	4	0	0	1	0	0	1	0	7	24	0	0
February ..	0	5	0	0	0	0	1	1	0	1	2	0	2	1	0	1	5	0	0	2	0	3	4	0	8	20	0	0
March ..	1	1	0	2	4	1	2	3	0	3	0	0	1	0	0	0	3	0	1	4	0	2	2	0	12	17	1	1
April ..	0	2	0	1	4	0	0	5	0	2	1	0	1	0	0	3	1	0	3	2	0	2	1	0	12	16	0	2
May ..	4	1	0	4	2	0	5	0	0	0	0	0	2	0	0	2	0	0	2	0	0	5	2	0	24	5	0	2
June ..	3	1	0	3	3	0	2	1	0	4	0	0	1	1	0	3	0	0	3	1	0	3	1	0	22	8	0	0
July ..	5	2	0	2	2	0	1	0	0	1	0	0	4	0	0	2	0	0	3	2	0	4	2	0	22	8	0	1
August ..	0	4	0	2	1	0	1	0	0	0	0	0	1	0	0	0	1	0	3	6	0	6	6	0	13	18	0	0
September ..	7	0	0	4	0	0	4	3	0	1	1	0	2	1	0	5	0	0	1	1	0	0	0	0	24	6	0	0
October ..	0	8	0	0	0	0	3	5	0	0	2	0	0	1	0	1	2	0	0	4	0	1	2	0	5	24	0	2
November ..	1	0	0	1	3	0	1	2	0	2	1	0	2	2	1	1	6	0	0	2	0	2	3	0	10	19	1	0
December ..	3	5	0	2	0	0	0	1	0	2	0	0	2	1	0	1	3	0	1	6	0	1	2	0	12	18	0	1
Year..	25	32	0	23	29	1	21	23	0	18	9	0	19	8	1	19	25	0	17	31	0	29	26	0	171	183	2	9

TABLE I. DISTRICT VALUES.

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

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

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

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

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

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.*

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

With the following exceptions, the measurements of temperature are made in louvered screens in the open:—*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 in use until December 31st, 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 " " 1½ miles
5	" 1½ miles " 2 "
6	" 2 " " 2½ "
7	" 2½ " " 3 "
8	" 3 " " 3½ "
9	" 3½ " " 4 "

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

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and to the wind experienced at the time of observation. At stations where they 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).

"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 and percentages of 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.