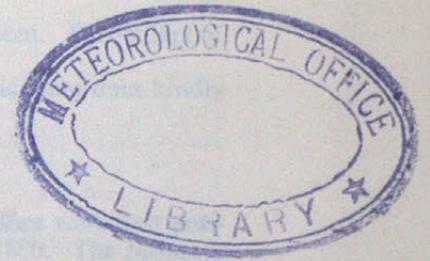


METEOROLOGICAL OFFICE
AIR MINISTRY



THE
MONTHLY
WEATHER REPORT
1957

INTRODUCTION AND NOTES ON THE TABLES

CORRECTIONS TO MONTHLY WEATHER REPORTS, 1957

CHANGES IN THE LIST OF STATIONS, 1957

MONTHLY WEATHER REPORTS, 1957

ANNUAL SUMMARY

LONDON: HER MAJESTY'S STATIONERY OFFICE

1958

134 Castle Street, London, E.C. 4
 109 St. Martin Lane, London, W.C. 2
 39 King Street, Manchester, 2
 Tower Lane, Bristol, 1
 2 Edmund Street, Birmingham, 3
 50 Chichester Street, Belfast

FH3A

Meteorological Office, Air Ministry, London, W.C. 2
 Printed in Great Britain under the authority of Her Majesty's Stationery Office by William Clowes & Sons, Limited, London and Beccles



THE MONTHLY WEATHER REPORT, 1957

CONTENTS

INTRODUCTION AND NOTES ON THE TABLES	iii-vi
CORRECTIONS TO MONTHLY WEATHER REPORTS, 1957	vi-vii
CHANGES IN THE LIST OF STATIONS, 1957	viii
MONTHLY WEATHER REPORTS, 1957	1-192
ANNUAL SUMMARY	193-212

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Published by

HER MAJESTY'S STATIONERY OFFICE

To be purchased from

- York House, Kingsway, London W.C.2
- 423 Oxford Street, London W.1
- 13A Castle Street, Edinburgh 2
- 109 St. Mary Street, Cardiff
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Meteorological Office, Air Ministry, London, W.C.2.

INTRODUCTION

The Monthly Weather Report gives a resumé of observations from stations in the United Kingdom. Particulars of the methods adopted in taking the observations are given in the *Observer's Handbook*.

The isopleths on the maps of pressure in this volume have been extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin.

INFORMATION FOR PREVIOUS YEARS

Monthly summaries of observations made at stations in connection 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 synoptic 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 subsequent volumes. A note on the revision to the Monthly Weather Report in 1956 is included in the Introduction to the 1955 volume.

GENERAL ARRANGEMENT OF THE REPORT

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

a.—General remarks on the development of the weather over the British Isles under a brief heading descriptive of the special characteristics of the month.

b.—Table I.—Summaries for 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.

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

d.—A plate of four maps showing:—

i. The monthly distribution of pressure, based on observations at selected stations at 9 h., together with the average distribution of pressure at 9 h. for the month over the period 1921–1950.

ii. The movements and changes in pressure of depression centres.

iii. The distribution of mean temperature at sea level 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 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, of 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 IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours which are indicated in the Table for each station.

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 number of days of air frost (from 1956), the number of days of ground frost (from 1908), and the pressure at mean sea level (from 1912).

h.—Table XIII—Solar radiation and intensity of daylight at certain stations.

i.—Table VIII—Monthly frequencies of maximum and minimum temperatures at 20 selected stations.

j.—Additions and corrections to Tables II, III and IV.

The Annual Summary of each volume of the Monthly Weather Report includes remarks, maps and tables as above for the year as a whole, and the following additional tables:—

k.—Table V.—Highest and lowest maximum and minimum temperatures during the year at selected stations.

l.—Table VI.—Monthly frequencies of duration of bright sunshine at 20 selected stations.

m.—Table VII.—Frequency of rainfall between given limits during the year at 30 selected stations.

n.—Table IX.—The annual table corresponding to Table II in the monthly issues.

o.—Table X.—The number of hours during the year with gusts exceeding (a) 33 kt. and (b) 47 kt. at each anemograph station.

p.—Table XI.—Occasions of 'strong gales' during the year.

q.—Table XII.—Dates on which gusts of 48 kt. or more occurred during the year.

NOTES ON TABLES

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 §. A list of these stations and of the stations used in computing the District Values of earth temperature is given on page vi.

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 majority of records used in the preparation of this Table are made by pressure-tube anemographs, but at certain stations new electrical cup recorders have been brought into use. The classification adopted for the 'Distribution of mean hourly values of wind speed' is based on the specification of the Beaufort scale of wind force (see *Observer's Handbook*). For an anemograph complying with the specification 'head 33 ft. (10 m.) above ground in the open' the several columns correspond to wind speeds meaned over an hour equivalent to 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 090°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read at 9 h. the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash thus, 21-9, the day-maximum for the period 9 h. to 21 h. and the night-minimum for the period 21 h. to 9 h. are reported and are utilised in determining the means for the month; in such cases the day-minimum and night-maximum temperatures are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

The measurements of temperature are made in louvered screens over short grass in the open, the bulbs of the thermometers being approximately 4 feet above ground. At *Kew Observatory*, the thermometers are 10 feet above ground in a louvered screen on the north wall.

Rainfall.—The daily amounts are for the 24 hours beginning at 9 h. G.M.T. '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 'Traces' of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow or Sleet, Hail, Thunder heard and Gale are counted irrespective of the hour at which the phenomena occur. Except for 'Precipitation' the day is the civil day, midnight to midnight.

For the purpose of this summary 'Hail' includes soft hail and small hail. 'Snow lying' refers to occasions when half or more of the ground representative of the station is covered with snow at 9 h. G.M.T. The entry of 'fog' implies that regular observations of the range of vision are made. Days of fog are those on which the range of vision is less than 1,100 yards at 9 h. G.M.T. Any variability of the observation hour may exercise an important effect upon the statistics of fog frequency. 'Gale' is a wind of Force 8 or upwards on the Beaufort scale. An 'air frost' is entered when the screen minimum temperature, read either at the terminal hour of 9 h. or 21 h., is 32° F. or less, and a 'groundfrost' when the reading of a 'grass minimum' thermometer set the previous evening and read at 9 h. G.M.T. is 30° F. or less.

Sunshine.—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 obstacles obstruct the sun's rays during more than 5% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS

From January, 1945, the hours of observation were changed at certain stations from 0, 6, 12, 18 to 3, 9, 15, 21. From that date departures from the average pressure at 9 h. have been given.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .0295300 inch of mercury at 32° F. and standard gravity 980.665 cm./sec.²). 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 selected stations at altitudes of 500 feet or more in footnotes in Table IV.

Humidity.—The values given depend on the readings of the dry- and wet-bulb thermometers in louvered screens (see above). The observations are reduced by Hygrometric Tables, based on a formula of Regnault, issued by the Office and revised in 1940. At most stations the daily values of relative humidity and vapour pressure are found and the monthly means are computed therefrom. These stations are indicated by the letter 'H'. At the remaining stations the means of relative humidity and vapour pressure are derived from the monthly means of the dry-bulb and wet-bulb readings.

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 8, the entry '0' being equivalent to clear sky, '8' to overcast. '9' refers to 'sky obscured or cloud amount cannot be estimated'.

Visibility.—The ranges, specified by international arrangement in metres, are given at the head of the Table in yards and miles. Entries are underlined where there is no object within 10% of the correct distance defining the lower limit of the range.

Wind Summaries.—The estimates of wind force refer to the Beaufort scale, and to wind experienced at the time of observation. At stations where there are anemographs the mean speed over the ten minutes ending at the hour is corrected to a height of 33 feet and converted to 'Beaufort Force' by a table of equivalents appropriate to the exposure.

TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorczyński Solarimeters. M.O. pattern bimetallic actinographs may be used as standby instruments for recording total radiation. Illumination is measured by recording photometers of Kew Mk. II or Mk. III pattern.

If the records for any days are incomplete owing to instrumental or other faults the average daily value for complete days is taken, but if there are seven or more incomplete days during any month the record is not published. When it is possible that the maximum for the month occurred on an incomplete day then no value for the maximum is given.

From January 1st, 1957, the radiation values are measured in accordance with the International Pyrheliometric Scale (1956).

It is sometimes found advisable to apply revised calibration constants retrospectively; the figures published in Table XIII are therefore liable to correction and some revised values are given on p. vii of this Introduction.

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

The 'height of station above mean sea level' given in Table III refers to the height above Ordnance Datum of the ground on which the rain-gauge stands, while the 'height of barometer above mean sea level' given in Table IV refers to the height above Ordnance Datum of the barometer cistern. A note on the errors arising from differences between the old Liverpool Ordnance Datum and the Newlyn Ordnance Datum adopted in Great Britain in 1933 was included in the Introduction for 1953. Throughout Ireland altitudes on maps and plans refer to a low water spring tide datum and such altitudes are reduced by 8 feet to relate them to a mean sea level surface similar to the Newlyn datum as used in Great Britain.

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 9 h. G.M.T. for period 1921–1950 and have been 'weighted' where necessary.

Temperature and Sunshine (Table III).—The averages refer to the 1921–1950 period and are given in the following publications:—

- (1) Averages of Temperature for Great Britain and Northern Ireland 1921–50 (M.O. 571).
- (2) Averages of Bright Sunshine for Great Britain and Northern Ireland 1921–50 (M.O. 572).

Earth Temperatures 1 foot and 4 feet.—In general the averages cover the period 1911–25.

STANDARDS OF TIME

All time entries in the Monthly Weather Report are in Greenwich Mean Time. British Summer Time was in force from April 14 to October 6; during this period clocks were one hour in advance of Greenwich Mean Time. At all other times clocks referred to Greenwich Mean Time. Observers were recommended to make their observations at the same hours by Greenwich Mean 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 and the winter hours as the terminal hours in the annual tables.

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).

SEA TEMPERATURE

The mean temperature of the seas round the British Isles for the months of the year 1957 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, certain of which send returns of sea temperature to the Meteorological Office.

ADDITIONAL RECORDS AVAILABLE FOR 1957

Some additional records for 1957 were received which are not summarised in the *Monthly Weather Report*. These include monthly climatological summaries for certain hours additional to those summarised in Table IV, usually 0, 6, 12 and 18 hours G.M.T., and, for certain stations, hourly tabulations of wind force and direction, rainfall duration and amount and duration of sunshine. The records for Scottish stations are available at the Meteorological Office, Edinburgh; those for stations in England, Wales and Northern Ireland at the Meteorological Office, M.O.3, Harrow.

LIST OF STATIONS

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published in 1954. Only changes to that list are published this year, see p. viii. The stations printed in italics send in monthly returns but the values do not appear in the Report.

In the Tables of the Monthly Weather Report the stations are arranged according to Districts and Counties. In the list published in 1954 the alphabetical order is adopted, the latitude and longitude of each station being given.

Climatological returns are received from the following types of station:—

Observatories.—These stations maintain continuous records of all meteorological elements and are staffed by Meteorological Office personnel.

Synoptic Stations.—The observations from these stations are primarily used in preparing synoptic charts for weather forecasting but climatological returns normally for 3 h., 9 h., 15 h. and 21 h. G.M.T. and in certain cases for additional hours, are also made. Synoptic stations are of two types:—

- a.—Manned by Meteorological Office personnel.
- b.—Auxiliary Synoptic Stations manned by coastguards, lighthouse keepers or others whose occupations enable them to make meteorological observations at all hours.

Climatological Stations.—These stations contribute daily observations at 9 h. G.M.T., and at certain stations at 21 h. G.M.T. also, 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 made at these stations also.

Agricultural meteorological (Agro-met) Stations.—These are climatological stations participating in a scheme for the investigation of the relationship between weather and crops inaugurated by the Ministry of Agriculture, Fisheries and Food and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.

Health Resort Stations.—These are climatological stations co-operating with the Meteorological Office under a Health Resort Scheme. They make additional observations at 6 p.m. Clock Time (and in some cases at 9 a.m. Clock Time in addition when that differs from 9 h. G.M.T.) which are reported to the Meteorological Office by telegram for communication to the newspaper press.

Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

DISTRICT VALUE STATIONS, 1957

The following are the stations, summaries from which are used for the computation of the district values of temperature, rainfall, earth temperature and sunshine given in 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 William ..	TR - - S	4	Birmingham ..	TR - - S	8	Bath	TR E1 E4 S
	Inverness ..	TR - - S		Bradford ..	TR E1 E4 -		Cardiff	TR E1 E4 S
	Lerwick	TR - - S		Buxton	- E1 E4 -		Falmouth	TR - - S
	Stornoway ..	TR - - S		Huddersfield ..	- E1 E4 S		Ilfracombe	- E1 E4 -
	Wick	TR - - S		Nottingham ..	TR E1 E4 S		Plymouth	- E1 - -
1	Craibstone ..	TR - - S		Oxford	TR - - S		Llandrindod Wells	TR - - S
	Dundee	TR - - S		Ross-on-Wye ..	TR - - S		Swansea	- E1 E4 -
	Edinburgh ..	TR - - S		Sheffield	- E1 E4 -		Teignmouth ..	TR - - S
	Marchmont ..	TR - - S	5	Camden Square ..	- E1 E4 -		NORTHERN IRELAND	
	Nairn	TR - - S		East Malling ..	TR - - S		Aldergrove	TR - - S
6	Dumfries	TR E1 E4 S		Hastings	TR E1 E4 S		Armagh	TR - - S
	Eskdalemuir ..	TR - - S		Kew Observatory	TR E1 E4 S		Garvagh	TR - - S
	Renfrew	TR - - S		Margate	- E1 E4 -		Hillsborough ..	- - - S
	Rothsay	TR E1 E4 S		Porton	TR - - S			
	Tiree	TR - - S		Southampton ..	TR - - S			
2	Cockle Park ..	TR E1 E4 S		Tunbridge Wells ..	- E1 - -			
	Cranwell	TR - - S		Wisley	- E1 E4 -			
	Durham	TR - - S	7	Bidston	TR - - S			
	Hull	- E1 E4 -		Bolton	- E1 E4 -			
	Scarborough ..	TR - - S		Burnley	- E1 E4 -			
	York	TR - - S		Darwen	- E1 E4 -			
3	Cambridge	TR E1 E4 S		Keswick	TR - - S			
	Gorleston	TR E1 E4 S		Llandudno	TR - - S			
	Rothamsted ..	TR - - S		Manchester	TR - - S			
	Shoeburyness ..	TR - - S		Stonyhurst	TR - - S			
	Sprowston	TR - - S						
	Woburn	- E1 E4 -						

District 0. Stornoway. Rainfall values in use from October, 1957.
Inverness. Ceased to be a District Value Station after June, 1957. As an exceptional measure Nairn was used in both Districts 0 and 1 from October, 1957.

6. Rothsay. Sunshine values not available from January to June and for Year, 1957.

2. Cockle Park. Not available for December and Year, 1957.

7. Manchester. Sunshine values not used from January to May, 1957; temperature data not available for August and September, 1957. No observations available for October and November or means for Year, 1957.

MONTHLY WEATHER REPORT, 1957—CORRECTIONS TO TEXT

April. Difference from average mean temperature in Scotland. +2.0° F.

May. General sunshine over Scotland. 108%.

July. Extreme temperatures for the month (England and Wales). 37° F. at Moor House on the 3rd.

MONTHLY WEATHER REPORT, 1957—TABLE I—CORRECTIONS

MONTH	DISTRICT	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
		Highest	Lowest	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
				Max.	Min.	Mean					
January ..	6. Scotland, W.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
April ..	6. Scotland, W.			+2.7	+1.4	+2.1	+1.7	+2.4	83		111
May ..	1. Scotland, E.						+3.5				
June ..	5. England, S.E.			-2.0	-1.1				70		
July ..	6. Scotland, W.			+3.1	-0.2	+1.5	+1.1	-0.5	80	-4	
August ..	8. England, S.W.										
September ..	0. Scotland, N.										66
October ..	1. Scotland, E.		37								
	6. Scotland, W.		37								
	7. England, N.W.										
	0. Scotland, N.									+2	

MONTHLY WEATHER REPORT, 1957—TABLE VIII—ADDITIONS AND CORRECTIONS

MONTH	STATION	MAXIMUM TEMPERATURE °F.							MINIMUM TEMPERATURE °F.								
		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°
February ..	Armagh	0	0	18	7	0	0	0	0	0	0	0	1	11	19	0	0
March ..	Stornoway	0	0	18	13	0	0	0	0	0	0	0	0	15	15	0	0
April ..	Rothesay	0	0	4	25	1	0	0	0	0	0	0	0	15	15	0	0
May ..	Rothesay	0	0	3	17	9	2	0	0	0	0	0	0	12	19	0	0
June ..	Rothesay	0	0	0	4	19	5	2	0	0	0	0	0	2	16	12	0
July ..	Eskdalemuir	0	0	0	9	12	7	2	0	0	0	0	4	8	12	6	0
August ..	Rothesay	0	0	0	6	20	5	0	0	0	0	0	0	0	11	20	0
September ..	Manchester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October ..	Manchester	0	1	20	9	0	0	0	0	0	0	0	4	7	19	0	0

MONTHLY WEATHER REPORT, 1957—TABLE XIII—CORRECTIONS

MONTH	STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm. ²				DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm. ²				INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-hours									
		Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
January	Kingsway	115				56.4													
February	Lerwick			6		28.1													
March ..	Cambridge			19		68.3			17										
April ..	Kew											28							
May ..	Kingsway			17	6				13	6								177.8	28
June ..	Lerwick																		
July ..	Cambridge					454.4						278.9							

MONTHLY WEATHER REPORT, 1957—LIST OF STATIONS

The following changes should be made in the list published in the Introduction to the 1954 volume and amended in 1955 and 1956.

1.) Additions and alterations.

Station	County	Lat.		Long.		Authority
		° N	'	°	'	
<i>Alderney</i>	Channel Isles	49	42	02	13W	Clerk of the States.
<i>Allendale Town</i>	Northumberland	54	54	02	15W	Headmaster, Allendale Town School.
<i>Ampleforth</i>						Rev. M. R. Everest, O.S.B., B.A.
<i>Bardsey Island</i>	Caernarvon	52	45	04	48W	Dr. G. Stanhill, Nat. Veg. Res. Stn.
<i>Barrow-in-Furness</i>	Lancashire	54	08	03	12W	Headmaster, The Grammar School.
<i>Brawdy</i>	Pembroke	51	53	05	09W	Commanding Officer, R.N.A.S.
<i>Caldecott</i>	Leicester	52	31	00	44W	Corby and District Water Co.
<i>Church Stretton</i>	Shropshire	52	31	02	50W	Surveyor, Urban District Council.
<i>Coleraine</i>	Londonderry	55	08	06	41W	Borough Surveyor.
<i>Corwen</i>	Merioneth	52	57	03	25W	Animal Breeding Research Organisation.
<i>Crask</i>	Sutherland	58	11	04	31W	J. Bielecki, Esq., for M.O.
<i>Crumbland Plantation</i>	Monmouth	51	43	02	46W	Forestry Commission.
<i>Dovercourt</i>	Essex	51	55	01	15E	Borough Engineer and Surveyor.
<i>Faversham</i>	Kent	51	17	00	52E	Director, National Fruit Trials.
<i>Fort William</i>						Miss Irvine.
<i>Garve (Inchbae)</i>	Ross and Cromarty	57	41	04	41W	Forestry Commission (Scotland).
<i>Grantown-on-Spey</i>	Moray	57	20	03	37W	Town Clerk.
<i>Great Bookham</i>	Surrey	51	16	00	21W	Director, Poultry Progeny Testing Station.
<i>Inverness</i>	Inverness	57	29	04	13W	The Firemaster.
<i>Isle of Rhum</i>	Inverness	57	01	06	17W	Nature Conservancy.
<i>Killinghall</i>	Yorks., W.R.	54	01	01	35W	Director, Poultry Progeny Testing Station.
<i>Langar</i>	Nottingham	52	54	00	54W	Meteorological Office.
<i>Longforgan (Woodlands)</i>	Perth	56	28	03	08W	Dr. J. H. Brush.
<i>Loughgall</i>	Armagh	54	24	06	36W	Head of Plant Breeding Division.
<i>Lowestoft</i>	Suffolk	52	30	01	45E	Borough Treasurer.
<i>Mull of Galloway</i>	Wigtown	54	38	04	51W	Northern Lighthouse Board.
<i>Onecote</i>	Stafford	53	07	01	57W	University College of N. Staffs.
<i>Paisley</i>						Director, Coats Observatory.
<i>Pershore</i>	Worcester	52	08	02	02W	Meteorological Office.
<i>Rhuvaal</i>	Argyll	55	56	06	07W	Northern Lighthouse Board.
<i>Rowlands Gill</i>	Durham	54	55	01	45W	W. W. Anson, Esq.
<i>St. Kilda</i>	Inverness	57	48	08	34W	Commanding Officer, R.A.F.
<i>Stranraer</i>	Wigtown	54	59	04	55W	The County Council.
<i>Tobermory</i>	Argyll	56	37	06	05W	M. MacCorquodale, Esq.
<i>Walton</i>	Cumberland	55	00	02	45W	King's College, Newcastle.
<i>Welshpool</i>	Montgomery	52	39	03	08W	Headmistress, The Grammar School.
<i>Wheaton Aston</i>	Stafford	52	43	02	13W	Director, Poultry Progeny Testing Station.

2.) Deletions.

Belfast, Boston, Broadstairs, Herstmonceux, Lundin Links, Manston, Mellor, Parkend, Rhayader, Rochester, St. Eval, Stony Stratford, Yeovilton.

3.) Stations, not published in 1956, which were published in 1957.

Barrhead, Blaenau Ffestiniog, Broughton, Cannich, Colmonell, Constantine, Coryton, Finchampstead, Glamis Castle, Glenshee Lodge, Haddington, Halesowen, Kilkeel, Kincaig, Lairg (Achany), Pershore (Institute of Horticulture), Ponteland, Poulton-le-Fylde, Ruabon, Ruthwell, Stratford on Avon (Drayton), Strathyre, Udney, Uffculme, West Linton, Wyton.

4.) Stations, published in 1956, which were not published in 1957.

Balmacara House, Halstead, Oban, Walton-on-Naze.

MONTHLY WEATHER REPORT, 1957—TABLE XIII—CORRECTIONS

Month	Station	Total Radiation on a Horizontal Surface		Horizontal Surface		Tilted Surface	
		Jan	Feb	Jan	Feb	Jan	Feb
January	Kilgobbin	111	111	111	111	111	111
February	Kilgobbin	111	111	111	111	111	111
March	Kilgobbin	111	111	111	111	111	111
April	Kilgobbin	111	111	111	111	111	111
May	Kilgobbin	111	111	111	111	111	111

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 625

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 1

Published by HER MAJESTY'S STATIONERY OFFICE



January 1957—*Mostly mild; stormy during last week*

Weather was unsettled and mild until the 9th, anticyclonic and rather cold from 10th to 19th and rather stormy but mild from the 20th to the end of the month.

The first three days were mild and dull with slight occasional rain as fronts, associated with a complex low pressure system near Iceland, crossed the British Isles. On the 4th and 5th rain was widespread and locally heavy, secondary depressions accompanied by gales skirting or moving across Northern Ireland and Scotland; more than 2 in. of rain fell on the Brecon Beacons on each of these days. Temperature, generally 10–15°F. above normal, reached 57°F. on both the 4th and the 5th and remained above 50°F. over most of England and Wales throughout the intervening night. Colder air spread south-eastwards over the country on the 9th and 10th as an anticyclone became established off southern Ireland. On the 12th north-westerly winds freshened, reaching gale force locally, as a depression from Iceland moved to Scandinavia. An upper warm ridge associated with the anticyclone off Ireland became unusually intensified for January as warm air continued to penetrate far north over the eastern Atlantic, and by the 13th high pressure extended from the west of Ireland to Scandinavia. Winds over the British Isles veered to north-east and weather became rather cold for several days with scattered showers of rain or snow. Snow lay 1 in. deep at Sittingbourne, Kent, on the 14th and 2 in. at Gateshead, Durham, on the 15th. An anticyclone which had moved eastward from the United States became centred to the west of Scotland on the 16th and pressures in the Hebrides and western Ireland rose to within 4 mb. of the highest pressure ever recorded in the British Isles. The next three days were generally fine and quiet as the anticyclone slowly declined and moved south-east across England to the continent. After its passage winds freshened from the south-west in Scotland on the 19th bringing mild air and considerable rain from the Atlantic and a return of unsettled weather generally; over 1 in. of rain fell in 24 hr. at many places in northern Scotland. From 20th to 23rd a major frontal belt lay over the British Isles giving widespread, and at times heavy, rain—6.78 in. fell in 48 hr. at Blaenau Ffestiniog, Merionethshire—and although temperature had risen generally there were occasional snow showers in the north. Mild polar maritime air spread over the country from the Atlantic on the 24th giving scattered thunderstorms in southern England and showers in most areas which were of snow in some western and northern districts. On the 25th snow was 3 in. deep at Kielder Castle in the Cheviots and up to 4 in. deep at places in Scotland. From the 25th to the end of the month weather was mild and stormy as vigorous depressions moved north-east across Iceland and associated troughs crossed the British Isles. There were severe gales in the eastern Atlantic throughout the period and winds reached gale force in many parts of the British Isles, gales becoming severe in the western districts on the 31st.

Pressure and wind. Pressure was everywhere above the average, the excess ranging from 1.8 mb. at Lerwick to 6.7 mb. at Oxford. The 1000–500 mb. chart showed values for the thickness larger than during any January between the years 1949–53 in the region of Iceland on the 13th and in the Baltic on the 20th. Around the latter date unusually high upper winds were recorded over the north of the British Isles; at 400 mb. on 21st wind at Lerwick exceeded 150 kt. Surface winds were mainly between south and south-west during the first eight days of the month, between west and north-west from 9th to 12th becoming north-east from 13th to 17th, and mainly south-westerly from 20th to the end of the month. Gales occurred on all but six days, the quietest period in England and Wales being from 16th to 19th and the stormiest during the last nine days. Gales were wide-

spread on the 27th and 31st, and on the latter date a mean hourly wind speed of 57 kt. was recorded at Tiree with a gust of 98 kt.; a gust of 85 kt. occurred at Eglinton in Northern Ireland.

Temperature. Mean temperature differed from the 1921–50 average by +2.5°F. in England and Wales, +1.9°F. in Scotland and +0.9°F. in Northern Ireland. Apart from the cool anticyclonic period temperature was mostly considerably above normal, but on the 25th it fell to 22°F. or below in the screen at many places, and to 7°F. and 8°F. on the ground at Lairg and Glenlivet respectively.

Extreme temperatures for the month included:—(England and Wales) 60°F. at Llandudno on the 4th, 19°F. at Houghall on the 19th and at Kielder Castle on the 25th and 26th; (Scotland) 59°F. at Elgin and Gordon Castle on the 4th, 15°F. at Glenshee Lodge on the 25th; (Northern Ireland) 58°F. at Ballykelly on the 4th, 22°F. at Ballykelly on the 16th and at Hillsborough on 16th and 17th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 97 in England and Wales, 147 in Scotland and 159 in Northern Ireland. Heaviest rainfall occurred on the 4th and 5th and during the last two weeks of the month; in 48 hr. 4.78 in. fell at Storey Arms (Cardiff Waterworks) on the 4th and 5th and 6.78 in. at Blaenau Ffestiniog, Merionethshire on the 20th and 21st. On the 31st many places in south-west England recorded over 2 in. in 24 hr. Precipitation for the month was between 50 and 100 per cent. of the average over most of England. More than 150 per cent. occurred in the more mountainous regions of North and South Wales, and the English Lake District, as well as over most of west and central Scotland and of Northern Ireland.

Among the falls of 3 in. or more in 24 hr. were:

20th 3.76 in. at Blaenau Ffestiniog, Merionethshire.

31st 3.45 in. at Princetown, 3.35 in. at Ashburton, both in Devonshire; 3.67 in. at Rhondda Waterworks, Glamorganshire; 3.97 in. at Treherbert also in Glamorganshire.

Thunder. Thunder was heard on 7 days in Scotland and 11 days in England and Wales, and was most prevalent during the last week of the month, particularly on the 24th and 27th.

Snow. In Scotland snow and sleet showers were frequent during the middle of the month and during the last week, and lay up to 4 in. deep in places on the 27th. In England and Wales snow fell mainly on the 13th–15th, 24th, 25th and 27th and ground was snow covered in places in south-east England on the 15th and in some western districts on the 25th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 102 in England and Wales; 119 in Scotland and 139 in Northern Ireland. The eastern part of the country was in general the sunniest; Regent's Park, London, had 150 per cent. of average for the month, but so also did Hillsborough in Northern Ireland and Lerwick and Fort William in northern Scotland.

Fog. Fog was mostly confined to the early mornings and occurred on about 16 days. It was most prevalent in the western part of the country where it occurred on 12 mornings at Princetown, Devonshire, and was fairly widespread in the Midlands and eastern England on the 1st and 2nd.

Miscellaneous Phenomena. The aurora was observed on 13 nights in Scotland; it was not seen from 11th to 20th.

TABLE I—DISTRICT VALUES—JANUARY, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	56	18	+1.9	+1.3	+1.6	—	—	135	+1	120
Eastern										
1 SCOTLAND, E.	59	15	+2.9	+2.0	+2.4	—	—	140	+2	110
2 ENGLAND, N.E.	59	19	+3.7	+2.1	+2.9	+2.1	+1.3	84	+3	99
3 ENGLAND, E.	58	21	+3.0	+2.9	+3.0	+1.3	+0.4	83	+1	118
4 MIDLAND COUNTIES	59	21	+2.9	+2.7	+2.8	+1.3	+0.6	72	+2	97

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	58	23	+2.1	+2.8	+2.4	+1.5	+1.3	90	+1	115
Western										
6 SCOTLAND, W.	58	18	+2.3	+1.3	+1.8	+1.8	+1.1	163	+2	127
7 ENGLAND, N.W. (and N. Wales)	60	20	+3.3	+2.0	+2.7	+1.1	+0.1	105	+1	97
8 ENGLAND, S.W. (and S. Wales)	58	21	+1.6	+1.5	+1.5	+0.8	+0.2	106	+2	88
NORTHERN IRELAND	58	22	+2.3	-0.5	+0.9	—	—	—	+1	139

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—JANUARY, 1957

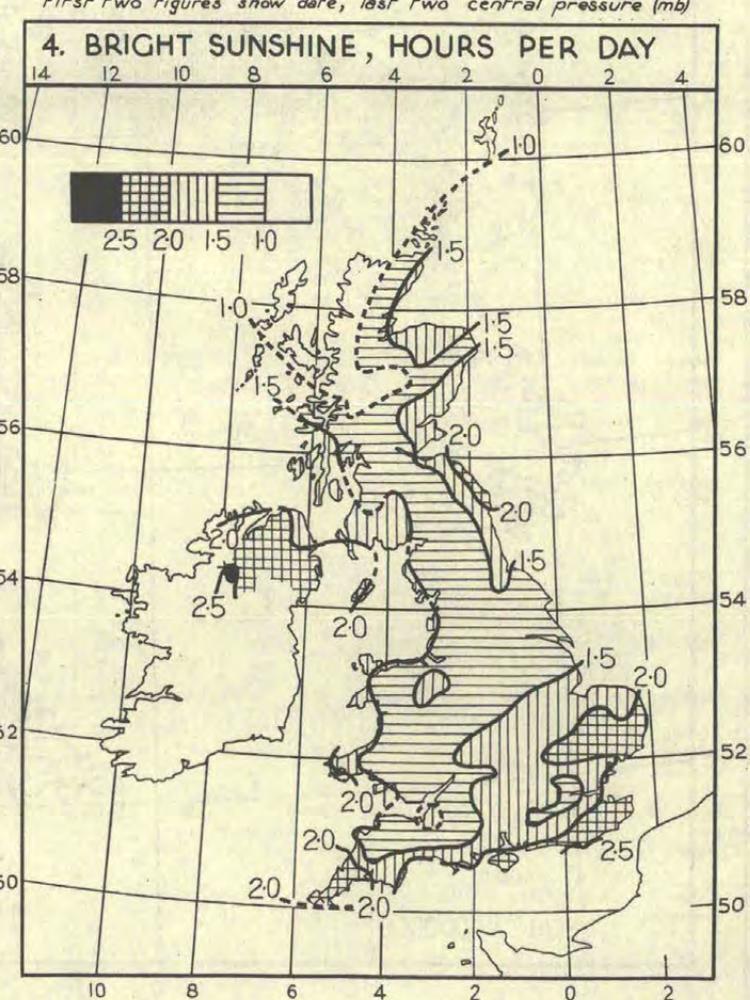
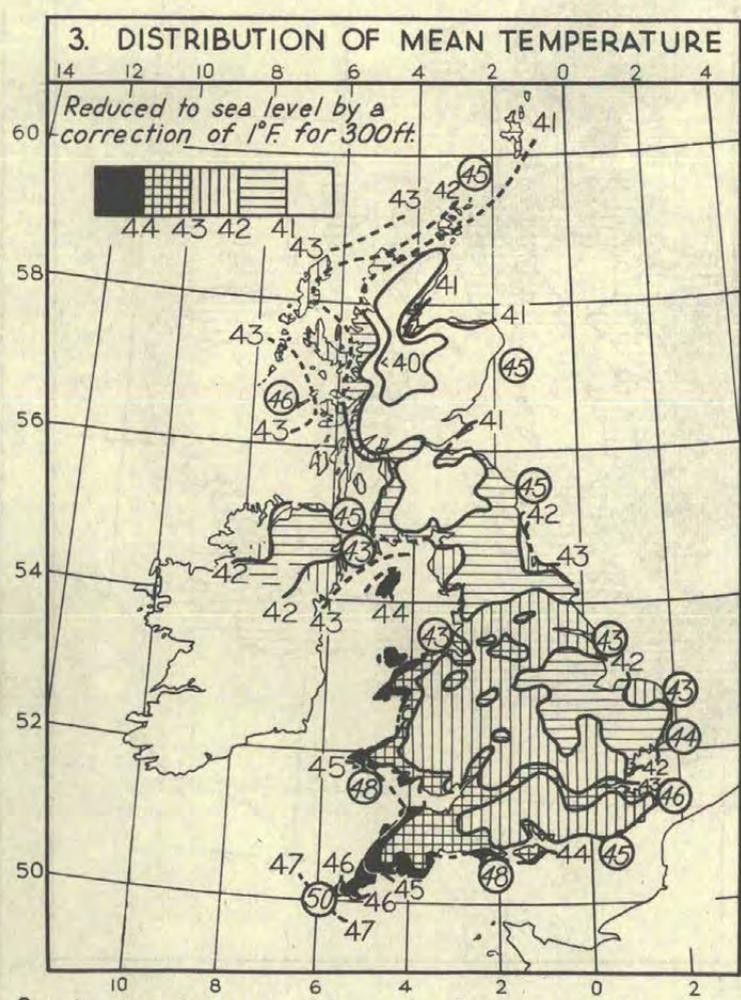
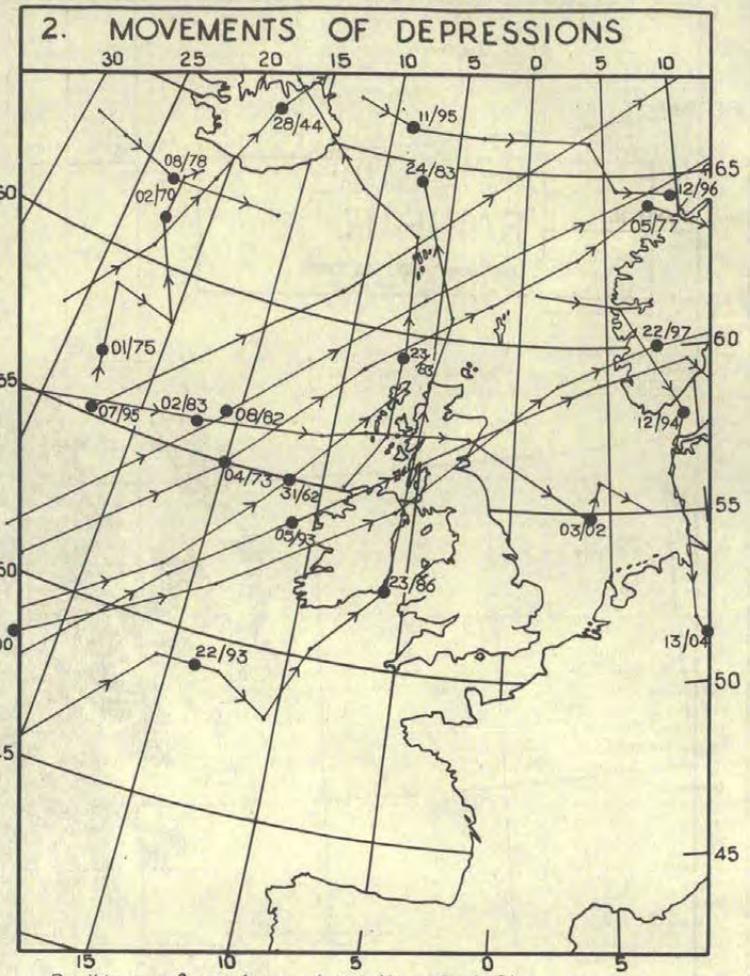
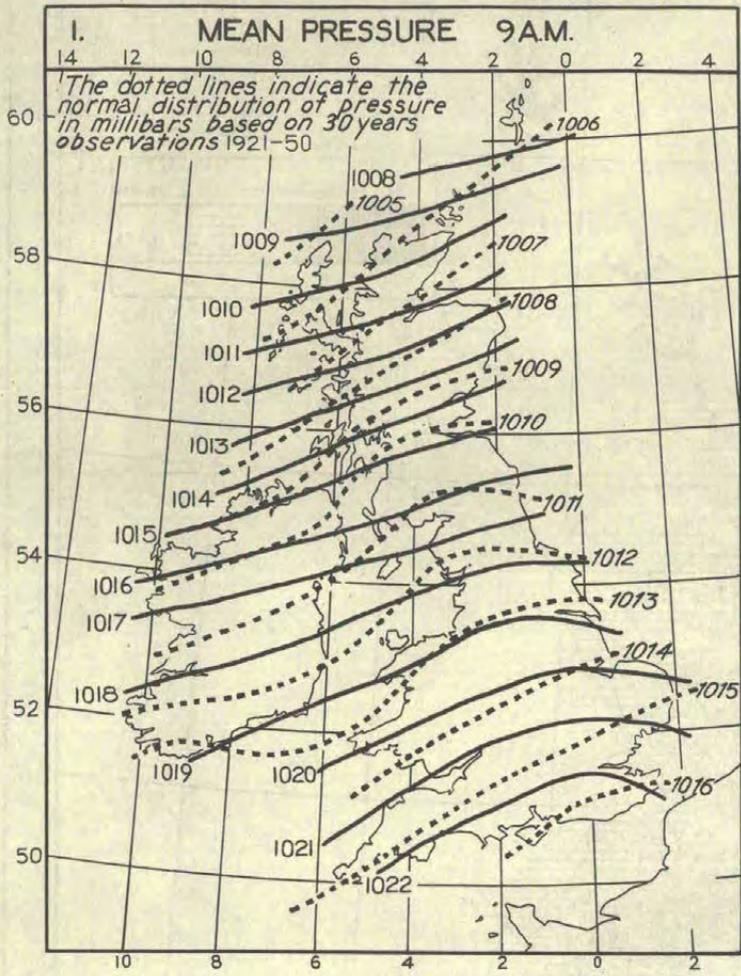
[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind									Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	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	Day and Time	
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.	
SCOTLAND																		
0 Shetland Lerwick	310	53	37	a.4, 5, 7, 8	89	27	309	261	67	18	0	22.4	260	53	5 02	79	31 2355	
Orkney Grimsetter																		
Calthness Halkirk																		
Ross & Cromarty																		
Stornoway (Coastguard)	120	40	36	b.4, 7-9, 19	97	24	240	245	96	66	0	20.0	250	49	4 21	74	31 2145	
Inverness Benbecula	69	51	35	c.4, 19, 20	46	21	240	233	120	105	0	17.3	220	46	4 19	78	4 1840	
1 Aberdeen Dyce	225	40	40	5, 19, 20	3	11	77	331	196	137	0	11.8	200	37	20 07	56	31 1755	
Angus Bell Rock Lighthouse	128	131	124															
Fife Leuchars	79	41	41	8, 9, 31	4	12	77	252	265	146	0	11.0	240	39	9 01	63	9 0000	
Midlothian Edinburgh	485	39	23	8, 20	3	14	94	238	244	165	0	11.0	190	35	20 01	58	20 0100	
6a Argyll Tiree	89	60	47	d.4, 8, 19, 20	68	23	241	220	139	76	0	18.3	230	57	31 17	98	31 1720	
Bute Millport	50	34	34	*														
Renfrew Paisley	188	81	31	—	0	6	31	235	262	216	0	8.4	190	27	31 16	58	31 1535	
Renfrew	71	41	39	31	4	14	102	224	267	147	0	11.0	210	38	31 17	68	31 1535	
Ayr Prestwick	80	50	40	—	0	3	10	271	214	249	0	8.0	280	28	27 12	52	5 1720	
Dumfries Eskdalemuir	825	50	35	31	1	15	103	250	227	163	0	11.4	200	35	31 16	56	31 1500	
ENGLAND and WALES																		
6b Isle of Man Point of Ayre	70	40	35	4, 31	3	20	180	337	184	40	0	15.4	180	36	31 14	62	4 0030	
2 Durham Durham	399	53	33	8, 20	6	16	59	416	178	80	5	12.9	220	38	20 17	68	8 2005	
South Shields	73	57	44	—	0	8	39	371	280	54	0	11.4	355	33	13 05	47	5 1955	
Yorks., N.R. Linton-on-Ouse	73	27	33	—	0	8	19	280	388	57	0	9.8	250	30	5 20	48	27 1445	
Yorks., E.R. Spurn Head	64	44	34	13, 23, 31	15	24	190	452	79	8	0	18.1	040	41	13 17	55	13 1530	
Lincoln Cranwell	288	47	47	—	0	11	37	389	236	66	16	12.0	180	26	31 16	62	27 1435	
3 Norfolk Gorleston	52	42	34	13, 14	3	12	105	516	103	11	6	15.8	010	35	13 24	54	13 1955	
Suffolk Felixstowe	85	75	65	—	0	4	6	457	208	73	0	11.6	260	28	27 17	58	27 1630	
Mildenhall	98	83	60	—	0	1	4	334	341	65	0	10.1	280	30	27 15	64	27 1425	
Bedford Cardington	285	150	135	—	0	14	86	438	170	50	0	14.2	250	32	31 16	54	27 1445	
Dunstable	567	55	33	—	0	4	15	436	266	27	0	11.5	190	25	31 18	38	5 1755	
Herts. Stevenage	564	111	65	—	0	3	18	482	211	33	0	12.3	190	25	31 16	45	31 1730	
Essex Shoeburyness	115	104	89	31	1	15	73	516	147	7	0	14.9	200	34	31 18	47	31 1805	
4 Warwick Birmingham	643	118	73	—	0	2	4	375	331	34	0	10.4	180	25	31 15	53	27 1440	
Stafford Keele	706	50	40	—	0	6	11	353	299	78	3	10.4	180	25	31 15	62	27 1355	
Gloucester Avonmouth	92	61	33	31	3	12	43	435	183	80	0	12.7	200	36	31 14	53	31 1220	
5 London Kingsway	231	160	40	—	0	0	0	219	475	50	0	8.6	270	20	31 18	34	31 1715	
Middlesex Hampton	139	101	100	—	0	3	9	371	318	46	0	10.7	220	25	31 20	41	31 1955	
Surrey Croydon	313	105	70	—	0	3	10	271	303	160	0	8.6	200	24	31 18	45	31 1740	
Kew Observatory	92	75	50	—	0	3	10	449	260	25	0	11.8	210	24	31 20	42	31 1930	
Kent Dover	66	36	60	—	0	5	28	360	225	55	76	12.0	—	30	14 01	42	15 1120	
Dungeness	70	50	33	*														
Isle of Grain	48	40	33	—	0	3	15	409	276	44	0	11.4	200	25	31 19	49	31 1745	
Sussex Thorney Island	75	65	42	—	0	2	7	324	274	139	0	9.4	220	24	31 17	42	5 2040	
Hants. S. Farnborough	318	69	35	—	0	1	2	258	364	120	0	8.6	250	22	27 13	42	27 1250	
Berks. Abingdon	250	40	40	—	0	4	18	416	266	44	0	11.7	190	29	31 15	49	31 1820	
Wiltshire Larkhill	491	51	36	—	0	9	33	395	251	65	0	11.5	200	28	31 17	52	31 1405	
Porton	406	44	44	—	0	5	34	380	250	80	0	11.3	220	30	5 15	43	5 1440	
7a. Cumberland Sellafield	83	39	35	—	0	13	63	314	248	89	30	11.1	160	32	31 14	51	23 1835	
Westmorland Moor House																		
Lancashire Fleetwood	112	50	31	e.8, 9, 19, 20	26	26	231	318	101	36	32	18.4	250	42	20 18	59	8 1945	
Southport	63	45	36	27	5	14	67	469	162	36	5	14.2	290	38	27 15	56	27 1305	
Speke	180	100	65	4, 5, 8, 28	2	11	63	298	306	75	0	11.7	250	34	27 15	74	27 1250	
Cheshire Bidston Observatory	262	64	39	—	0	6	27	249	370	98	0	—	280	30	27 14	58	27 1415	
Manchester Airport	318	70	30	—	0	12	57	455	196	36	0	13.5	160	30	31 13	49	27 1240	
7b Anglesey Holyhead (Valley)	76	50	40	f.5, 20, 23, 27	26	24	266	290	114	48	0	18.1	170	40	31 12	59	31 1124	
8a Cardigan Aberporth	483	41	41	31	2	22	186	445	98	13	0	17.4	190	34	31 11	58	31 1310	
Pembroke Kete	249	49	37	—														
Milford Haven	246	50	35	—	0	8	31	362	268	68	15	11.3	210	32	31 13	53	31 1230	
Glamorgan Port Talbot	91	40	35	—	0	8	34	391	248	71	0	11.6	160	30	23 12	52	27 0539	
8b Devon Plymouth	191	88	65	23, 31	11	13	120	364	211	38	0	14.5	—	40	31 13	53	31 1145	
Cornwall The Lizard	315	75	60	5, 23, 31	21	24	326	302	77	18	0	19.9	190	43	31 12	60	31 1110	
NORTHERN IRELAND																		
Antrim Aldergrove	281	65	65	5, 31	3	13	91	299	229	122	0	11.7	210	37	31 15	66	31 1435	
Londonderry Eglinton	79	61	51	31	4	16	88	298	177	152	25	11.6	220	44	31 16	85	31 1435	
SCILLY ISLES																		
St. Mary's	230	65	57	23, 31	4	20	196	393	98	53	0	16.5	260	38	23 11	55	31 1120	

a. also on 12, 19-21, 26-28, 30, 3

MONTHLY WEATHER CHARTS

JANUARY 1957



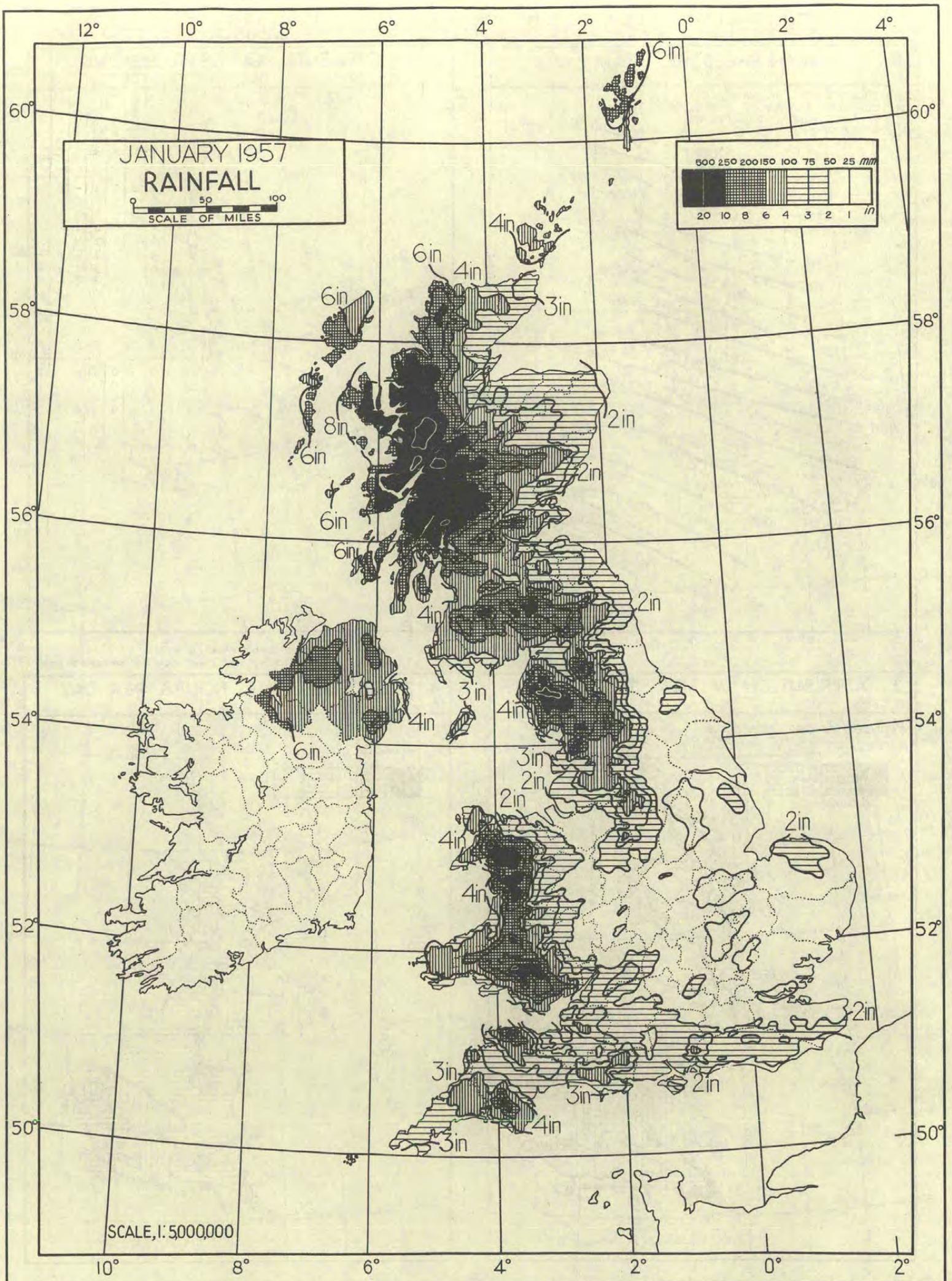


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1957

Table with columns: DISTRICT, COUNTY AND PLACE; Terminal Hours of Observation; Height of Station above Mean Sea Level; AIR TEMPERATURE IN DEGREES FAHRENHEIT (Means of A, B, Mean, Difference); Highest Maximum and Lowest Minimum; Earth Temperature (1 ft., 4 ft.); RAINFALL (Total Fall, Percentage of Average, Most in a day, Precipitation, Snow or Sleet); WEATHER (Number of days, Thunder heard, Fog, Air Frost, Ground Frost, Gale); BRIGHT SUNSHINE (Daily Mean, Percentage of Average).

* Faskally.

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1957

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				Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precipitation (0.1 in. or more)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date															
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
6a SCOTLAND, W.																															
Argyll	Colonsay ..	9 9 9	87	47.5	37.0	42.3	-	55	4	25	16	-	-	7.09	154	.94	23	28	22	-	-	-	-	-	-	-	-	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	47.6	34.1	40.9	-	58	4	21	16	39.1	42.2	13.42	-	2.20	25	24	23	3	1	1	1	2	11	15	1	-	-	-	
	Dunoon Water Works	9 9 9	228	47.3	35.9	41.6	-	55	5	27	17	-	-	10.78	-	2.17	25	24	20	-	0	-	-	0	6	7	3	-	-	-	
	Glenbranter ..	9 9 9	120	45.1	33.5	39.3	+1.1	54	4	22	17	-	-	14.14	-	2.16	25	24	24	5	1	3	1	1	11	16	2	-	-	-	
	Loch Fyne																														
	(Lephinmore) ..	9 9 9	30	47.0	35.7	41.3	-	56	4	27	16, 17	-	-	11.10	-	1.71	25	23	22	4	0	3	1	1	8	11	0	1.52	-	S	
	Tiree ..	21-9 9	29	46.8	39.5	43.1	+1.1	54	4	32	14	-	-	5.83	137	.58	25	24	21	5	0	9	1	0	1	7	10	1.60	139		
Bute	Millport ..	9 9 9	16	47.5	38.1	42.8	-	56	4	32	16	-	-	5.45	-	1.14	25	22	18	-	0	-	-	0	1	-	-	-	-	-	
	Rothsay ..	2121 9	200	45.7	37.4	41.5	+1.6	56	4	31	16, 17	40.5	42.8	6.94	154	1.69	25	22	21	2	0	3	0	0	4	14	2	-	-	-	
Dumbarton	Helensburgh ..	9 9 9	293	45.9	34.5	40.2	+2.0	54	4	26	17, 25	-	-	7.79	140	1.47	25	25	20	5	2	2	0	0	9	-	5	1.28	123		
Stirling	Falkirk ..	9 9 9	100	46.8	34.0	40.4	-	56	5	25	16	-	-	6.34	-	1.10	22	24	18	3	0	1	0	6	11	-	1	-	-	-	
	Stirling ..	9 9 9	151	46.2	35.0	40.6	+2.5	56	4	26	16	38.0	41.3	6.25	171	.90	22	20	18	4	1	0	1	0	9	16	0	-	-	-	
	Barrhead ..	9 9 9	97	46.3	34.9	40.6	-	56	4	22	17	-	-	7.00	-	1.03	20	23	19	8	0	4	0	0	9	13	0	-	-	-	
	Greenock ..	9 9 9	200	46.7	36.5	41.6	+2.0	57	4	31	16, 17, 25	-	-	9.25	143	1.72	25	24	20	4	1	4	1	4	4	8	2	1.08	-	-	
	Paisley ..	2121 9	106	45.9	36.4	41.1	+1.9	55	4	25	17	39.5	44.9	6.67	167	1.05	22	22	19	5	0	2	0	0	5	12	1	1.19	128S		
	Renfrew ..	21-9 9	26	45.2	35.4	40.3	+1.9	56	4	22	17	-	-	5.77	172	.89	20	19	18	6	0	3	0	4	10	14	6	1.39	140		
Lanark	Carnwath ..	9 9 9	706	43.8	32.1	37.9	-	54	4	21	16	-	-	3.59	-	.50	22	19	17	8	5	1	0	3	19	18	7	-	-	-	
	Coalburn ..	9 9 9	920	43.3	32.0	37.7	-	55	4	19	25	37.2	-	6.39	-	.74	20	23	20	7	4	3	0	1	19	16	3	1.49	-		
	Coatbridge ..	9 9 9	256	45.5	34.2	39.9	-	56	4	24	17	-	-	4.80	-	.65	22	18	16	2	0	4	0	2	11	-	2	-	-	-	
	Glasgow, Spr. Pk.	9 9 9	351	45.0	34.7	39.9	-	55	4	25	17	-	-	5.53	-	.83	22	21	18	4	-	1	0	-	14	0	1.06	-	-	-	
	Glengavel ..	9 9 9	839	43.1	32.4	37.7	-	53	4	25	16	-	-	6.05	-	1.02	25	26	21	7	10	1	0	2	18	-	9	-	-	-	
	Leadhills ..	9 9 9	1270	41.5	31.0	36.3	-	51	4	18	15	-	-	8.12	-	.86	25	25	20	10	3	2	0	1	16	14	2	-	-	-	
	Thorntonhall ..	9 9 9	453	44.9	33.6	39.3	-	55	4	25	16, 17	-	-	6.30	-	1.01	25	24	19	7	3	4	0	-	14	17	0	1.02	-	-	
Ayr	Auchincruive ..	9 9 9	147	46.4	35.4	40.9	-	56	4	25	16	40.5	43.9	4.17	-	.69	21	21	18	4	3	1	0	0	8	11	2	1.16	-	-	
	Colmonell ..	9 9 9	170	46.9	36.2	41.5	+1.8	57	4	23	17	-	-	3.77	87	.92	22	23	16	1	0	1	0	0	7	10	2	-	-	-	
	Kilmarnock ..	9 9 9	115	47.3	35.7	41.5	+2.8	57	4	21	16	39.7	43.8	4.49	132	.61	25	20	19	3	0	0	0	5	6	12	0	1.05	91		
	Largs (Woodbank)	9 9 9	25	47.1	36.0	41.5	-	55	4	25	16, 17	-	-	5.53	-	1.45	25	21	18	-	-	-	-	1	8	12	-	-	-		
	Prestwick ..	9 9 9	17	46.5	36.6	41.5	-	56	4	25	17	-	-	4.24	149	.68	21	21	20	3	0	3	0	0	7	10	6	1.45	-	-	
	Airport	21-9 9	30	46.0	37.8	41.9	-	57	4	24	16	-	-	3.98	-	.61	21	22	18	4	0	5	0	0	7	12	1	1.36	-	-	
	Turnberry ..	9 9 9	25																												
Dumfries	Dumfries ..	9 9 9	140	46.3	35.0	40.7	+2.4	55	4	26	15, 25	40.3	43.3	5.21	162	.71	21	22	19	4	-	2	0	0	11	16	0	1.46	113S		
	Eskdalemuir ..	21-9 9	794	42.0	33.0	37.5	+2.0	50	4, 5, 8	20	19	40.4	43.9	10.21	189	1.61	4	25	21	11	2	1	0	1	14	12	3	1.41	118		
	Ruthwell ..	9 9 9	95	45.3	34.3	39.8	+2.2	51	4, 5	25	19	-	-	5.38	-	.83	21	20	18	-	0	0	-	10	-	0	1.48	140S			
Kirkcudbright	Castle Douglas ..	9 9 9	196	45.4	32.6	39.0	-	55	4	21	19	39.5	-	5.26	-	.60	25	20	18	-	0	-	-	0	17	19	-	1.74	-		
	Glenlee ..	9 9 9	181	46.8	33.3	40.1	-	56	4	21	19	-	-	7.64	-	.83	25	21	19	6	0	2	1	1	12	14	0	-	-	-	
	Glenloch Barrage	9 9 9	154	45.7	32.9	39.3	-	53	4, 5	22	19	-	-	5.85	-	.64	21, 25	22	20	-	0	-	-	-	14	-	-	-	-	-	
	West Freugh ..	21-9 9	50	46.2	37.1	41.7	-	55	5	24	17	-	-	3.57	-	.64	21	19	17	2	0	1	0	0	8	11	3	1.96	-	-	
6b ISLE OF MAN																															
Isle of Man	Douglas ..	9 9 9	284	46.9	38.4	42.7	+1.5	53	5	30	15	-	-	3.70	110	.56	21	21	17	1	0	0	0	0	2	10	-	1.89	111		
	Point of Ayre ..	21-9 9	30	47.3	40.6	43.9	-	58	4	29	25	-	-	2.52	-	.59	21	18	15	1	0	0	0	0	3	-	6	2.04	-	-	
	Ronaldsway ..	21-9 9	55	47.1	41.0	44.1	-	53	4, 5	27	15	-	-	2.70	109	.48	25	18	14	3	0	0	1	0	4	7	2	1.96	-	-	
2 ENGLAND, N.E.																															
Northumberland	Acklington ..	21-9 9	138	45.0	36.3	40.7	-	57	4	23	25	-	-	2.45	-	.45	22	20	17	4	1	2	0	1	11	12	2	2.01	-	-	
	Bellingham ..	9 9 9	849	43.4	32.8	38.1	+3.0	53	8	23	25	-	-	4.77	167	.84	4	24	16	4	1	0	0	-	15	-	-	-	-	-	
	Berwick-on-Tweed	9 9 9	76	46.6	36.2	41.4	+2.6	56	4, 5	26	25	-	-	2.45	154	.62	21	21	12	4	1	2	0	0	6	8	2	2.20	131		
	Cockle Park ..	2121 9	326	45.8	34.5	40.1	+2.5	55	4, 5, 8	24	25	38.8	41.6	2.56	121	.44	22	22	18	5	3	3	0	1	12	14	1	1.84	114		
	Haydon Bridge ..	9 9 9	270	46.8	34.1	40.5	-	56	5	24	30	40.8	44.4	2.47	-	.53	4	22	14	5	0	3	0	1	14	15	1	1.28	-	-	
	Kielder Castle ..	9 9 9	660	44.5	32.8	38.7	-	53	4	19	25, 26	39.4	-	7.16	-	1.27	4	25	22	5	1	0	0	1	15	18	0	-	-	-	
	Ponteland ..	9 9 9	220	46.3	34.8	40.5	-	55	4, 5	25	25																				

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1957

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			Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n			Snow lying	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B	Mean Temperature Mean of A and B	Maximum	Date	Minimum	Date	Snow or Sleet						Hail	Snow or Sleet	Snow or Sleet									Snow or Sleet			
			Max.	Min.							°F.	°F.	°F.	°F.	°F.				in.	%	in.	in. (0.2 mm. or more)	in. (0.2 mm. or more)	in. (0.2 mm. or more)						
8 ENGLAND, E																														
Norfolk	Burlingham ..	9 9 9	89	46.4	36.5	41.5	-	56	4,5	30	2	-	-	1.29	-	.25	21	17	11	5	0	4	1	1	7	15	-	2.00	-	
	Cromer ..	9 9 9	178	47.2	36.1	41.7	+2.4	57	4,5	30	2,3	-	-	1.85	94	.24	21	19	16	2	0	1	0	0	6	12	2	1.76	99	
	Gorleston ¶§	21-9-9	5	46.0	38.6	42.3	+2.4	57	5	30	2	41.9	45.0	1.16	67	.19	2	18	12	2	0	5	1	2	2	8	5	2.18	125	
	Marham ..	21-9-9	76	45.9	36.8	41.3	-	57	5	27	11,25	-	-	1.57	-	.42	21	17	11	4	2	3	0	0	9	15	0	-	-	
	Sproston ¶§	9 9 9	93	46.9	36.4	41.7	+3.1	57	4,5	27	18	-	-	2.02	112	.34	21	21	15	3	1	5	0	-	8	13	-	1.79	111	
Terrington																														
Suffolk	St. Clement ..	9 9 9	13	46.7	36.2	41.5	-	57	5	30	18	41.5	-	1.50	-	.36	31	13	10	3	0	4	0	1	8	10	0	1.76	-	
	Thetford ..	9 9 9	50	47.1	35.3	41.2	-	57	4,5	21	18	40.3	43.7	1.86	106	.51	21	18	12	2	0	0	0	0	6	10	7	0	-	-
	West Raynham ..	21-9-9	250	44.9	37.6	41.3	-	56	5	30	2,19,25	-	-	1.87	-	.37	21	19	15	3	0	3	0	2	8	13	0	2.03	-	
	East Bergholt ..	9 9 9	14	47.3	36.0	41.7	-	57	4,5	29	2,25	-	-	1.20	-	.22	24	17	9	3	0	0	0	1	8	19	1	-	-	
	Felixstowe ..	21-9-9	10	44.8	39.3	42.1	+2.6	53	4	32	15	-	-	1.04	68	.16	14	17	10	3	1	3	0	0	1	3	1	2.22	119	
Cambridge	Ipawich, Belstead	9 9 9	125	46.4	36.7	41.5	-	56	4,5	31	11,18,25	41.1	43.4	1.22	-	.13	2,16	19	15	3	0	4	0	0	7	14	0	1.88	-	
	Lowestoft ..	9 9 9	82	46.8	37.2	42.0	+3.1	58	5	30	2	41.1	43.6	1.27	76	.29	2	16	12	2	0	0	0	1	4	5	-	2.22	123	
	Mildenhall ..	21-9-9	15	46.9	38.7	42.8	-	57	4,5	25	18	-	-	1.26	84	.45	21	12	9	2	0	3	0	1	5	10	0	1.96	-	
	Boworth ..	9 9 9	157	47.9	35.9	41.9	-	57	4,5	29	11,18	-	-	1.00	69	.31	21	17	8	2	0	1	1	2	10	12	0	1.99	-	
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	47.8	35.9	41.9	+3.0	57	4,5	28	11	41.2	44.0	1.16	77	.34	21	15	9	4	0	3	0	-	9	15	1	2.09	131	
Huntingdon	Wyton ..	21-9-9	129	46.4	38.0	42.2	-	57	4,5	28	18	-	-	.96	-	.35	21	14	7	4	0	2	0	5	7	9	0	-	-	
	Cardington ..	21-9-9	93	46.9	37.5	42.2	-	57	4,5	26	11	-	-	.74	-	.21	21	14	7	3	0	1	0	3	8	13	0	1.90	-	
	Dunstable ..	21-9-9	516	44.5	37.5	41.0	-	55	4,5	29	2,11,25	40.4	44.3	.94	-	.26	31	13	6	2	0	2	0	1	2	8	8	0	1.55	-
	Goldington ..	21-9-9	107	47.1	38.1	42.6	-	57	5	29	25	-	-	.86	-	.21	21	18	8	4	0	1	0	2	5	10	0	-	-	
	Harold ..	9 9 9	150	47.2	35.5	41.3	-	56	4,5	26	11,25	41.2	44.3	1.19	-	.14	2,29	21	12	3	0	0	0	4	10	15	3	-	-	
Hertford	Luton ..	9 9 9	379	46.7	36.1	41.4	+3.0	57	5	28	11,25	41.3	45.8	1.03	54	.26	31	13	9	-	0	-	-	-	1	9	13	-	1.50	98
	Silsoe ..	9 9 9	195	47.3	36.7	42.0	-	57	4,5	28	25	41.3	44.8	.93	59	.19	21	17	9	3	0	1	0	2	8	11	0	2.02	-	
	Woburn ..	9 9 9	291	46.4	36.3	41.3	+3.0	56	5	28	2,11,25	40.1	44.9	1.29	75	.25	21	18	10	2	0	0	0	-	8	9	-	1.78	113	
	Bayfordbury ..	9 9 9	221	47.0	36.9	41.9	-	56	4,5	28	25	-	-	1.00	58	.27	24	13	8	3	1	2	0	-	6	13	0	1.88	-	
	Bovingdon ..	21-9-9	516	44.5	36.6	40.5	-	55	5	25	25	-	-	1.47	-	.42	31	16	9	3	0	0	1	5	13	16	0	-	-	
Essex	Eastwick Lodge ..	9 9 9	137	47.1	36.7	41.9	-	56	4,5	29	11,25	-	-	1.03	-	.32	24	16	10	-	-	-	-	6	9	-	-	-		
	Garston ..	9 9 9	250	47.1	36.7	41.9	-	56	5	29	25	-	-	1.35	-	.41	31	14	8	-	0	-	-	-	8	13	-	-	-	
	Rothamsted ¶§	9 9 9	420	45.9	35.8	40.9	+3.1	55	5	29	2,25	40.7	44.3	1.33	64	.38	31	19	9	5	0	2	0	3	10	9	0	1.75	102	
	St. Albans ..	9 9 9	272	47.0	36.5	41.7	+3.6	56	4,5	28	25	40.8	-	1.09	57	.26	31	13	7	0	0	0	0	3	8	7	-	-		
	Clacton ..	9 9 9	53	45.0	36.9	40.9	-	52	5	31	15,25	41.7	44.2	1.07	72	.18	13	16	10	3	1	2	0	1	5	4	-	2.21	123	
4 MIDLAND COUNTIES	Coryton ..	9 9 9	9	48.8	38.0	43.4	-	57	4,5	31	2	41.7	46.3	.85	-	.15	24	19	9	-	0	-	-	1	3	5	-	-		
	Dovercourt ..	9 9 9	47	46.9	36.2	41.5	-	56	5	30	7	-	-	1.01	-	.15	30	18	10	-	-	-	-	0	10	12	0	2.00	-	
	Earls Colne ..	9 9 9	160	47.0	36.2	41.6	-	56	4,5	30	11	41.2	44.1	1.17	67	.21	24	18	11	2	0	0	0	-	8	16	-	-		
	East Ham ..	9 9 9	11	48.3	39.0	43.7	+3.5	57	4,5,26	31	2	-	-	1.20	74	.41	24	11	9	0	-	0	0	4	2	1	-	-		
	Maldon ..	9 9 9	14	47.1	36.2	41.7	-	56	4,5,26	30	2	-	-	.97	-	.15	16	17	8	4	-	0	0	2	6	-	-	1.87	-	
Yorks., W. Riding	Saffron Walden ..	9 9 9	295	-	35.7	-	-	-	-	27	18	41.5	44.6	.90	-	.21	24	16	10	2	1	0	0	-	11	10	0	-	-	
	Shoeburyness ¶§	21-9-9	11	46.4	39.3	42.9	+3.2	55	5	30	2	-	-	1.29	96	.20	5	16	10	4	2	3	0	0	3	8	0	2.08	120	
	Southend ..	9 9 9	90	46.1	37.2	41.7	-	53	4,5,31	31	25	-	-	.93	65	.19	14	18	10	3	1	0	0	4	3	0	1.94	116		
	Stansted ..	9 9 9	330	46.1	36.0	41.1	-	55	4,5	29	25	-	-	1.16	-	.32	24	18	10	3	1	0	0	4	9	6	0	-	-	
	Writtle ..	9 9 9	105	47.6	37.4	42.5	-	57	4,5	30	2	-	-	1.06	-	.28	24	15	8	3	0	1	0	1	5	9	0	1.71	-	
Derby	Askham Bryan	9 9 9	90	47.2	35.3	41.3	-	58	4,5	26	20	-	-	1.10	61	.27	31	18	7	-	1	-	-	2	10	14	1	1.42	-	
	Bingley ..	9 9 9	610	45.6	35.2	40.4	-	55	4,5	29	20	-	-	2.80	-	.45	21	25	19	-	1	-	-	2	11	14	-	-		
	Bradford .. ¶	9 9 9	439	45.8	36.1	40.9	+2.9	56	5	29	25	39.5	42.5	2.37	72	.28	31	24	18	-	-	-	-	2	10	14	-	-		
	Bramham ..	9 9 9	177	47.0	35.3	41.1	-	58	5	25	20	-	-	1.15	-	.29	31	17	10	2	1	1	1	2	11	14	0	1.21	-	
	Cawood ..	9 9 9	20	47.8	35.3	41.5	-	58	4,5	26	20	39.7	42.1	1.20	73	.25	29	15	10	1	1	0	0	1	10	14	0	1.36	-	
Nottingham	Church Fenton ..	21-9-9	27	46.8	37.4	42.1	-	59	5	26	20,25	-	-	1.07	-	.23	31	17	7	2	0	0	0	1	10	14	0	1.22	-	
	Huddersfield §	2121-9	325	46.7	36.9	41.8	+3.5	57	5	29	2,18,20	39.6	42.6	2.06	-	.30	31	23	16	-	0	-	-	6	7	12	-	0.93	116	
	" (Oakea)	21-9-9																												

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum																	Date	in.	%	in.	Date
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr.	%		
4 MID COUNTIES—cont.																														
Warwick— cont.	Rugby	9 9 9	385	46.6	35.9	41.3	-	56	4,5	28	11,12,25	39.9	-	1.54	-	.55	31	17	12	3	0	2	1	-	9	14	1	1.58	-	
	Shipston on Stour	9 9 9	365	46.3	36.1	41.2	-	56	4,5	28	25	41.4	-	1.37	-	.25	31	18	12	3	0	2	1	3	9	14	2	1.62	-	
	Stratford on Avon	9 9 9	160	47.3	35.5	41.4	-	55	5,8,31	26	25	40.9	-	1.94	109	.42	1	16	12	0	0	0	0	1	12	16	0	1.49	-	
	* Wellesbourne ..	9 9 9	153	47.2	36.1	41.7	-	57	4,5	26	25	40.3	42.5	1.32	74	.33	31	15	10	4	0	0	0	2	9	13	0	1.64	96	
Oxford	Oxford ..	9 9 9	208	47.5	37.4	42.5	+3.0	57	5	30	2,11,25	40.7	43.6	1.61	89	.31	31	18	12	2	-	1	0	1	4	14	0	1.62	-	
Buckingham	Aylesbury ..	9 9 9	316	47.0	36.4	41.7	-	56	4,5	27	2,11	-	-	1.14	-	.23	31	16	9	2	0	0	1	2	6	13	0	1.52	-	
Stafford	Keele	9 9 9	587	45.5	34.8	40.1	-	55	5	27	25	39.5	42.8	1.68	-	.29	31	19	14	4	0	1	0	2	13	11	0	1.40	-	
	*Market Drayton	9 9 9	581	45.5	33.4	39.5	-	55	5	25	25	-	-	1.86	-	.25	4,31,14	13	4	0	1	0	2	14	10	0	1.40	-		
	Oaken	9 9 9	409	46.0	35.3	40.7	-	56	5	27	18,19,25	40.3	-	1.34	-	.27	31	16	11	4	0	1	0	2	10	14	0	1.42	-	
	Stone	9 9 9	350	46.4	34.7	40.5	-	56	4,5	24	18	-	-	2.14	-	.49	28	18	14	2	0	1	0	2	12	12	0	1.42	-	
Shropshire	Newport ..	9 9 9	211	46.6	34.6	40.6	-	56	4,5	21	18	-	-	1.50	79	.36	28	17	13	2	0	1	0	1	12	14	-	1.37	-	
	Oswestry ..	9 9 9	570	46.6	35.9	41.3	-	58	27	25	3	-	-	2.58	-	.46	31	19	17	3	0	2	0	2	13	17	0	1.64	-	
	Shawbury ..	21-9 9	235	46.2	36.9	41.5	-	57	4,5	23	25	-	-	1.22	-	.19	31	16	9	5	0	1	0	1	12	15	0	1.40	-	
	Shrewsbury ..	9 9 9	184	47.8	36.4	42.1	-	58	4	24	18	41.3	45.1	1.06	54	.24	31	15	10	3	0	3	0	2	12	11	0	1.42	-	
Worcester	Defford ..	21-9 9	55	47.0	37.5	42.3	-	57	4	23	11	-	-	1.08	-	.28	31	13	8	2	0	0	0	1	8	13	0	1.65	-	
	Droitwich ..	9 9 9	106	47.6	35.5	41.5	-	57	4,5	21	18	-	-	.92	-	.20	31	16	8	1	0	0	0	1	11	-	0	1.51	-	
	Halesowen ..	9 9 9	505	45.6	35.6	40.6	-	56	5	28	11,19	40.2	43.8	1.43	-	.41	29	19	10	2	0	0	0	1	11	12	0	1.29	-	
	Malvern ..	9 9 9	203	47.5	36.7	42.1	+2.7	57	4,5	29	25	40.9	44.2	1.46	66	.28	31	19	10	1	0	0	0	1	7	4	-	1.47	79	
	Pershore (Institute of Horticulture)	9 9 9	130	47.2	37.2	42.2	-	56	4,5	30	2	-	-	1.39	-	.34	31	18	10	2	0	1	0	2	7	19	4	1.51	-	
	Worcester (Redhill)	9 9 9	190	47.3	35.9	41.6	-	57	4,5	21	25	-	-	1.02	55	.28	31	16	9	1	0	1	0	0	9	14	0	1.50	-	
Hereford	Lyonshall ..	9 9 9	510	45.6	35.8	40.7	-	54	4,5	27	2,25	-	-	2.22	-	.59	31	20	15	-	-	-	-	13	17	-	-	-		
	Preston Wynne ..	9 9 9	274	47.0	35.0	41.0	-	57	5	25	25	-	-	1.20	-	.25	31	17	10	0	0	0	0	1	12	18	2	1.44	-	
	Ross-on-Wye ..	21-9 9	223	46.6	39.6	43.1	+2.7	56	4,5	28	11	41.3	44.4	1.64	68	.67	31	18	11	2	0	0	0	2	6	11	0	1.36	80	
Gloucester	Bristol (Filton) ..	21-9 9	192	46.7	39.2	42.9	-	56	4,5	28	11	-	-	3.21	-	.86	31	18	12	2	0	1	1	1	4	12	0	1.28	-	
	Cirencester ..	9 9 9	443	45.8	35.7	40.7	-	54	4,5,31	27	25	-	-	3.75	144	1.09	31	19	14	4	0	0	0	2	9	19	0	1.55	-	
	Little Rissington	21-9 9	740	43.9	36.6	40.3	-	53	4,5	28	2,25	-	-	2.59	-	.59	31	19	15	4	0	1	0	5	11	13	1	1.38	-	
	Ruscombe ..	9 9 9	620	45.3	35.4	40.3	-	53	4,5,31	28	18	-	-	2.87	-	1.02	31	21	13	2	0	0	1	3	11	-	0	-		
5 ENGLAND, S.E.																														
London	Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Camden Square ..	9 9 9	110	48.6	38.7	43.7	+3.5	58	4	32	25	43.1	46.1	1.59	85	.38	24	14	10	-	-	-	-	-	1	13	-	-	1.54	-
	Greenwich (Maritime Museum)	9 9 9	24	48.3	38.0	43.1	-	56	4,5,26	28	2	-	-	1.39	-	.43	24	16	9	-	0	-	-	-	4	6	0	1.38	-	
	Hampstead ..	9 9 9	450	46.1	36.7	41.4	+3.2	55	5,26	30	25,26	-	-	1.46	73	.28	24	16	10	2	-	1	1	-	8	12	0	1.66	129	
	Kensington ..	9 9 9	81	48.1	38.5	43.3	+2.6	57	26	31	25	42.2	45.5	1.31	71	.30	24	13	9	2	0	0	-	3	10	0	-	-		
	Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Regent's Park ..	9 9 9	129	48.2	38.8	43.5	-	57	26	32	2,25	-	-	1.37	-	.35	24	10	8	1	-	0	1	1	2	13	-	1.51	-	
	Westminster ..	9 9 9	27	48.5	39.3	43.9	+2.8	57	4,5	32	25	-	-	1.33	82	.39	24	13	9	1	-	1	1	-	1	9	-	-	1.46	154
Middlesex	Hampton ..	9 9 9	39	47.8	37.9	42.9	-	56	5,26	31	2,25,26	-	-	1.51	-	.30	24	15	11	1	0	2	1	0	5	9	0	1.89	-	
	London Airport ..	21-9 9	82	46.8	38.4	42.6	-	56	4,5,26	28	25	-	-	1.55	-	.30	24	16	10	4	0	2	0	1	4	14	0	1.71	-	
	Southgate ..	9 9 9	221	47.8	37.7	42.7	-	56	4,5	31	25	42.7	-	1.39	-	.33	24	12	9	1	0	0	1	2	5	10	-	1.36	-	
	Wealdstone ..	9 9 9	175	47.5	37.0	42.3	+2.7	56	4,5,26	27	11,25	41.9	47.6	1.64	84	.31	31	22	10	2	1	1	0	4	6	13	0	-	-	
Surrey	Addington ..	9 9 9	474	45.7	36.9	41.3	+2.6	53	4,5,26	29	11,12,	-	-	1.62	-	.36	24	17	10	-	-	-	-	-	1	8	-	-	-	
	Croydon ..	21-9 9	201	46.3	38.6	42.5	+2.4	55	4,5,26	28	11	-	-	1.44	71	.37	24	15	9	3	0	1	1	2	4	5	0	1.51	101	
	Farnham ..	9 9 9	260	47.1	36.2	41.7	-	55	4,5,31	29	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Kew Observatory	21-9 9	18	46.8	40.2	43.5	+2.2	55	4,5,26	32	2	41.7	45.4	1.52	86	.33	24	14	11	2	0	0	1	1	1	12	0	1.79	132	
	Mickleham ..	9 9 9	179	47.7	35.4	41.5	-	55	3,4,5	25	11,18	-	-	1.86	-	.49	31	13	9	2	0	0	1	-	11	15	-	-		
	Wisley ..	9 9 9	150	47.6	36.8	42.2	+2.6	57	4,27	28	11	41.6	44.6	1.43	81	.36	31	20	8	1	0	0	0	2	7	13	-	1.66	1118	
Kent	Bromley ..	9 9 9	213	46.7	37.3	42.0	+2.3	56	5	29	11	-	-	1.34	74	.33	24	14	10	0	0	1	1	0	6	13	-	-		
	Dartford ..	9 9 9	17	48.1	37.3	42.7	-	57	26	28	2	-	-	.89	-	.19	24	15	9	3	0	0	1	-	8	-	-	-		
	Dover ..	9 9 9	19	46.6	39.5	43.1	+2.4	53	5,																					

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage 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 or Sleet	Snow lying	Fog (9h. C.M.T.)	Thunder heard	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum					Date	Amount												Date			
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.															
8a SOUTH WALES																														
Cardigan	Aberporth ..	21-9-9	376	46.7	40.3	43.5	-	54	4,5	29	19	-	-	3.17	91	.75	31	19	18	1	0	3	0	0	3	7	1	1.79	-	
	Aberystwyth ..	9-9-9	12	47.4	39.1	43.3	-	54	4	28	19	-	-	3.10	96	.67	31	20	17	0	0	0	0	0	6	-	-	1.85	105	
Pembroke	„ Llety-evan-hen ..	9-9-9	950	44.8	36.1	40.5	-	52	4,5	26	15	-	-	5.83	-	.84	31	22	17	1	0	0	1	8	11	-	1.28	-		
	„ P.B.S.* ..	9-9-9	450	48.3	37.7	43.0	-	56	5,6	29	19	-	-	3.06	-	.67	31	23	14	1	0	0	0	1	8	13	-	1.68	95	
	Gogerddan ..	9-9-9	103	48.4	36.8	42.6	-	56	4,5	23	19	-	-	3.23	-	.64	31	18	17	1	0	1	0	0	10	17	0	1.52	-	
	Swyddffynnon ..	9-9-9	588	46.2	35.7	40.9	-	54	4	23	25	-	-	3.66	-	.62	4	21	17	2	1	0	1	0	12	-	1	-	-	
	Trawscod ..	9-9-9	200	48.3	36.1	42.2	-	56	6	25	18,19	-	-	4.32	-	.85	4	22	18	-	0	1	0	1	12	17	-	1.35	-	
Radnor	Dale Fort ..	9-9-9	109	48.7	41.5	45.1	-	54	4	32	18	-	-	2.21	-	.53	31	18	11	0	0	1	1	1	1	11	2	2.38	-	
	Haverfordwest ..	9-9-9	131	48.6	38.5	43.5	+1.5	54	4,5	27	19	-	-	4.26	92	.83	31	21	17	0	0	0	0	6	-	-	-	-	-	
	Milford Haven ..	9-9-9	179	48.2	39.6	43.9	-	54	4	29	19	-	-	2.63	-	.68	31	18	13	0	0	0	1	4	-	-	2.10	-		
	Pembroke Dock ..	21-9-9	34	48.3	41.6	44.9	-	54	4,5	30	19	-	-	3.27	85	.77	31	19	18	0	0	1	2	1	4	6	1	2.15	-	
	Tenby ..	9-9-9	64	48.4	39.8	44.1	+1.6	53	4,5	31	11	-	-	3.62	97	.70	31	20	18	0	0	1	6	3	16	-	2.01	112		
Brecknock	Llandrindod Wells †§	9-9-9	770	45.0	34.8	39.9	+1.9	52	4,5	24	25	-	-	4.02	109	.85	31	18	18	3	1	0	0	3	13	-	0.98	73		
	Llwynon ..	9-9-9	860	44.9	34.4	39.7	-	53	4	22	25	-	-	8.84	137	2.37	31	21	19	4	1	3	0	6	15	-	-	-	-	
Glamorgan	Cardiff .. †§	9-9-9	202	47.1	37.2	42.1	+1.5	56	5	27	25	42.1	46.1	4.90	133	1.62	31	21	17	0	0	1	2	7	14	0	1.19	72		
	Neath ..	9-9-9	153	47.9	39.4	43.7	-	54	4,5	28	25	-	-	5.25	-	1.28	31	22	17	0	2	1	3	4	12	0	-	-	-	
	Port Talbot ..	9-9-9	24	48.4	38.8	43.6	-	53	4,5,31	26	11,25	-	-	3.67	-	1.03	31	19	17	2	0	1	1	0	4	8	0	1.60	-	
	Rhosee ..	21-9-9	220	46.4	39.2	42.8	-	54	4,5,8	28	11	-	-	3.45	-	1.01	21	20	13	3	0	4	1	6	10	1	1.13	-		
	Swansea ..	9-9-9	27	48.2	39.1	43.7	+1.4	54	4	29	25	42.8	47.6	3.89	-	1.05	31	17	16	0	0	0	2	7	-	1.58	98			
Monmouth	Newport ..	9-9-9	75	47.6	36.9	42.3	-	56	4,5,6	29	25	-	-	5.07	-	1.86	31	18	14	1	0	1	1	1	7	-	0	1.30	-	
	Tredegar ..	9-9-9	1028	45.0	34.9	39.9	-	53	4,5	21	25	-	-	7.97	-	2.25	31	20	18	4	1	1	1	-	13	15	-	1.01	-	
	Usk ..	9-9-9	70	47.6	36.6	42.1	-	56	4,5	24	25	41.1	-	4.93	-	2.21	31	20	17	1	0	0	1	0	7	13	-	1.01	-	
8b ENGLAND, S.W.																														
Somerset	Bath .. †§	9-9-9	67	48.4	37.8	43.1	+2.5	57	5	27	25	42.2	44.6	2.42	101	.57	31	20	14	1	0	0	0	1	6	12	0	1.29	82	
	Bickenhall ..	9-9-9	231	47.8	37.1	42.5	-	56	4,5	26	1,2,18	42.9	47.2	2.94	-	.77	31	20	16	3	0	1	1	1	9	16	2	1.30	-	
	Cannington ..	9-9-9	95	48.4	37.9	43.1	-	57	4,5	27	1	-	-	2.31	-	.47	31	19	14	0	0	0	1	6	12	0	1.57	-		
	Long Ashton ..	9-9-9	162	48.0	37.7	42.9	+2.4	57	4,5	28	11	42.6	-	3.20	112	.85	31	18	15	0	0	0	1	1	6	16	-	1.27	82	
	Weston-s.-Mare ..	9-9-9	28	47.8	38.3	43.1	-	56	4,5	28	2	-	-	3.00	126	1.27	21	16	11	0	0	0	1	1	5	9	-	1.58	94	
Dorset	Wootton Courtenay ..	9-9-9	486	47.0	36.8	41.9	-	55	4,5	25	20	-	-	5.32	-	1.73	31	23	17	2	1	2	0	0	9	11	1	1.37	-	
	Poole ..	9-9-9	18	48.6	36.0	42.3	-	56	4	25	25	-	-	2.73	-	1.05	31	18	12	1	0	0	0	1	12	-	1.93	-		
	Portland Bill ..	21-9-9	32	47.7	43.4	45.5	+1.6	56	2	34	15,18	-	-	2.72	124	.84	31	18	13	0	0	0	0	0	0	-	0	-	-	
	Shaftesbury ..	9-9-9	680	45.2	36.3	40.7	+1.8	53	4,5	28	18	-	-	2.63	-	.60	31	20	14	0	0	0	0	3	10	-	-	-	-	
	Swanage ..	9-9-9	34	48.6	39.0	43.8	-	54	4,5,8	30	25	-	49.1	1.56	-	.39	24	17	9	1	-	2	1	1	6	-	-	1.95	-	
Devon	Weymouth ..	9-9-9	16	49.1	40.0	44.5	+1.8	58	5	30	11	-	-	3.10	128	.85	31	19	16	0	0	1	1	0	3	-	0	2.07	102	
	Chivenor ..	21-9-9	20	48.5	41.4	44.9	-	57	4,5	29	1	-	-	2.55	-	.65	31	19	14	1	0	2	1	0	2	8	2	1.74	-	
	**East Budleigh ..	9-9-9	64	48.7	36.4	42.5	-	55	4,5,31	26	1,2,11	-	-	2.96	-	.75	31	19	14	1	0	0	0	1	12	-	1	-	-	
	Exeter ..	21-9-9	106	47.9	39.0	43.5	-	57	4	26	11	-	-	2.66	-	.52	21	16	12	1	0	3	1	1	8	16	0	1.57	-	
	Exmouth ..	9-9-9	195	48.1	38.5	43.3	+1.1	55	4,5,26	26	1,2	-	-	2.74	-	.98	31	18	12	1	0	1	1	1	5	-	0	1.97	104	
Cornwall	Hartland Pt. ..	21-9-9	298	47.2	42.4	44.8	-	54	4	34	20	-	-	2.84	-	.74	31	21	17	0	0	1	2	0	0	4	-	1.41	-	
	Ilfracombe ..	9-9-9	25	49.1	41.5	45.3	+1.2	57	4	34	19,20	44.1	47.6	3.76	114	1.11	31	20	16	0	0	0	1	0	0	6	-	-	1.19	79
	†Newton Abbot ..	9-9-9	272	48.3	37.2	42.7	+0.8	55	5,26	26	1	-	-	5.22	158	2.19	31	19	15	0	0	1	0	0	8	17	-	2.00	105S	
	Paignton ..	9-9-9	8	49.2	38.7	43.9	-	55	4,5,26	28	1	-	-	4.33	-	1.51	31	19	14	1	0	1	0	0	5	-	-	1.66	90	
	Plymouth (Mount Batten)	21-9-9	87	48.0	41.1	44.5	+0.6	54	4	27	1	-	-	3.28	96	.92	31	19	14	2	0	4	1	2	3	9	-	1.72	93	
NORTHERN IRELAND	Plymouth (The Hoe)	9-9-9	119	48.8	40.2	44.5	+0.9	56	6	29	1	44.3	47.4	3.15	95	.72	31	20	15	0	0	1	1	3	3	7	2	1.95	104	
	Princetown ..	9-9-9	1359	43.5	35.7	39.6	-	50	4, 6, 31	28	15,18	-	-	11.68	146	3.43	31	23	20	2	1	2	12	11	13	-	-	-	-	
	Sidmouth ..	9-9-9	25	48.7	38.3	43.5	+1.0	56	4	29	11,25	-	-	2.51	-	.61	31	15	14	1	0	0	0	0	7	11	-	2.03	-	
	Starcross ..	9-9-9	29	49.5	38.2	43.9	-	58	5	26	1	-	-	2.90	-	1.00	31	16	11	0	0	1	1	1	9	16	-	1.95	-	
	Tavistock ..	9-9-9	457	47.5	37.5	42.5	+0.8	53	4,5,31	27	1,11	-	45.5	5.43	121	1.57	31	22	18	1	0	2	1	1	8	16	-	-	-	
	Teignmouth †§	9-9-9	20	49.4	39.9	44.7	+1.0	56	4	29																				

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1957

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; Wind, Number of Observations. Includes sub-sections for 5 ENGLAND, S.E.—cont., 7a ENGLAND, N.W., 7b NORTH WALES, and 8a SOUTH WALES.

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary obs

Volume 74 Number 2

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6377 5

February 1957—*Mostly mild and wet in England and Wales, sunny periods generally*

Weather was changeable but mild until the 13th of the month, rather cold with light northerly winds during the following week and mild and unsettled again from 21st to 24th; the remainder of the month was mostly dry and sunny.

Although there were light falls of snow on the 1st in Scotland, weather over most of England and Wales was unusually mild during the first few days of the month with temperatures rising generally above 50°F. during the afternoons and reaching 59°F. locally in southern England. A vigorous depression skirting the west coasts of Ireland and Scotland on 4th and 5th gave widespread rain and southerly gales which carried the mild air to the whole of the British Isles. Rain was heavy and severe gales occurred in Scotland; several stations recorded over 1 in. of rain in 24 hr. and wind exceeded 90 kt. in gusts in the Hebrides. In the upper air, a low at 500 mb. persisted in mid-Atlantic from the 4th to 12th, and the British Isles came within the general south-westerly flow to the east of it; several small-amplitude fast-moving troughs crossed the country in this stream. A narrow warm sector associated with a complex Atlantic depression moved slowly eastwards across the British Isles on the 7th giving widespread and locally heavy rain, particularly in the south and west; more than 1 in. fell at many stations, and several places in southern England and South Wales recorded over 2 in. in 24 hr. There was extensive flooding in the Thames Valley as a similar system brought a renewal of heavy rain to southern England on the 11th. By this time, rainfall at many places had exceeded the February normal. The Atlantic upper air low moved east across the country between the 13th and 16th to become stationary over the North Sea. Surface winds over the British Isles veered to the north on the 14th and snow and sleet showers spread to all districts. The cold weather lasted until the 20th in southern England and to the 23rd in Scotland; keen or hard frost occurred locally at night with screen temperature falling to the lower twenties in many places on the 19th and 20th and to 9°F. and 12°F. at Kincairg and Dalwhinnie respectively on the 22nd. An exceptionally heavy snowstorm on the night of the 18th to 19th gave 12 in. of level snow in Leicestershire and 7 in. in Nottinghamshire. On the 21st, south-westerly winds brought rain and snow to southern England, but it was not until the 23rd that this mild Atlantic air spread to Scotland accompanied by widespread fog which persisted throughout most of the day in many places. By the 25th afternoon temperatures in England and Wales again exceeded 50°F. fairly generally and 58°F. was reached at Swanage, but occasional snow still fell in Shetland. On the 26th pressure over the British Isles rose considerably and depressions in mid-Atlantic became slow-moving. Southerly winds spread to the whole country and, apart from some slight rain in the west, weather was mostly fine and sunny until the end of the month.

Pressure and Wind. Pressure was everywhere below the average and was generally lower in the west of the country than in the east; the deficiency ranged from 12.9 mb. at Aldergrove to 9.4 mb. at Croydon. Winds were mainly between south and south-west until the 13th, light and rather variable but mainly from a northerly direction until the 21st, becoming generally south-westerly from the 23rd, and light variable or southerly during the last three days of the month. Gales occurred on 14 days in Scotland, mostly during the first week, and on the 4th, 5th, 7th, 8th and 23rd in England and Wales; they were widespread and severe in places on the 4th and 5th. Gusts of over 70 kt. were reported at Point of Ayre, Moor House and Aldergrove late on the 4th. On the 5th a mean hourly wind

speed of 60 kt. was recorded at Tiree with a gust of 93 kt. and at Benbecula gusts reached 95 kt.

Temperature. Mean temperature differed from the 1921–50 average by +1.9°F. in England and Wales, -0.5°F. in Scotland and -0.1°F. in Northern Ireland. Kew reported a night minimum temperature of 52°F. on the morning of the 1st, the highest for the time of year since records began in 1871. In Scotland temperature rose to 55°F. or more at many places during the first week, but during the latter part of the month frost was widespread and severe on several nights; at Glenlivet ground temperature fell to 4°F. on the 16th, 21st, 22nd and 27th.

Extreme temperatures for the month included:—(England and Wales) 59°F. at Wisley on the 1st and at Boxworth on the 3rd, 3°F. at Sutton Bonington on the 20th; (Scotland) 57°F. at Achnashellach on the 8th, 9°F. at Kincairg on the 22nd; (Northern Ireland) 54°F. at Ballykelly on the 4th, 20°F. at Aldergrove on the 19th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 155 over England and Wales, 98 over Scotland and 95 over Northern Ireland. Less than average rainfall occurred over parts of North Wales, Lancashire, Cheshire, the Peak District, most of Scotland north-west of a line Ayr to Aberdeen and the greater part of Northern Ireland. More than 150 per cent. of the average was recorded generally south of a line Cardiff to Grimsby, and twice the average was exceeded over most of Kent and Sussex, around the Wash and in southern Devonshire.

Heavy falls of 2 in. or more in 24 hr. were mainly confined to the 7th. Examples are:

2.40 in. at Dalehead Hall, Cumberland; 2.20 in. at Cardiff Waterworks (Storey Arms Field), Brecknockshire; 2.20 in. at Ashburton, Devonshire.

Thunder. Thunder was heard locally in Scotland on the 1st, 2nd, 4th and 5th and in England and Wales on the 11th–17th, 20th, 23rd and 25th.

Snow. Snow was fairly frequent about the third week; it lay to a depth of 4–6 in. on high ground in Scotland from 18th to 23rd, and ground was extensively snow-covered in the Midlands and north-west England from 15th to 24th. On the night of the 18th to 19th snow fell to a depth of 12 in. at Leicester, 7 in. at Sutton Bonington and 6 in. at Sheffield.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 118 over England and Wales, 125 over Scotland and 148 over Northern Ireland. Sunshine records exceeded the average in nearly all parts of the country; Aldergrove with 95 hr. was sunnier than during any February since their records began in 1927 while Turnberry in Scotland had its sunniest February since 1931.

Fog. Early morning fog was reported on 18 occasions in Scotland and nearly every morning somewhere in England and Wales and persisted for most of the day in many places on the 23rd; fog was reported on 15 mornings at Huddersfield.

Miscellaneous Phenomena. The aurora was observed in Scotland on 18 nights. A pronounced earth tremor occurred during the afternoon of the 11th; it was felt within 100 miles radius of Loughborough, Nottinghamshire, and some damage to buildings was reported from Derbyshire, Nottinghamshire and Leicestershire.

TABLE I—DISTRICT VALUES—FEBRUARY, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUN-SHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	57	9	-0.7	-1.3	-1.0	—	—	95	-1	118
Eastern										
1 SCOTLAND, E.	55	11	0.0	-0.6	-0.3	—	—	140	0	128
2 ENGLAND, N.E.	55	14	+1.7	-0.5	+0.6	+1.1	+1.3	150	+1	138
3 ENGLAND, E.	59	21	+2.6	+2.7	+2.7	+2.1	+1.1	161	+2	114
4 MIDLAND COUNTIES	58	3	+2.5	+1.6	+2.0	+0.9	+1.2	142	+2	128

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUN-SHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	59	23	+3.0	+3.3	+3.1	+2.8	+2.2	192	+6	106
Western										
6 SCOTLAND, W.	55	13	+0.4	-1.1	-0.3	-0.5	+0.3	104	-2	129
7 ENGLAND, N.W. (and N. Wales)	58	11	+1.8	+0.4	+1.1	+0.6	+0.3	105	+3	111
8 ENGLAND, S.W. (and S. Wales)	58	21	+2.5	+1.8	+2.2	+2.1	+0.9	162	+7	112
NORTHERN IRELAND	54	20	+0.5	-0.8	-0.1	—	—	—	+1	148

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—FEBRUARY, 1957

[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind									Mean Wind Speed	Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Speed		Hour ended at	Speed	Day and Time			
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	°		knots	day hr.	knots	day h.m.		
SCOTLAND																			
0 Shetland Lerwick	310	53	37	1,2,5	33	15	87	276	219	57	0	14.6	220	56	5 11	83	5 1000		
Orkney Grimsetter																			
Caithness Halkirk																			
Ross & Cromarty																			
Stornoway (Coastguard)	120	40	36	a, 1,3-5,8	49	19	142	328	72	81	0	17.3	230	57	5 08	87	5 0653		
Inverness Benbecula	69	51	35	3-5,8	22	19	155	251	175	69	0	15.2	250	55	5 07	95	5 0505		
1 Aberdeen Dyce	225	40	40	4,5	11	4	15	263	211	172	0	9.0	190	44	5 07	70	5 0550		
Angus Bell Rock Lighthouse	128	131	124	φ															
Fife Leuchars	79	41	41	4,5	6	6	34	154	296	182	0	8.4	200	40	4 23	65	4 2315		
Midlothian Edinburgh	485	39	23	4,5	5	3	14	107	305	241	0	6.4	180	40	4 22	75	4 2105		
6a Argyll Tiree	89	60	47	3-5,23	36	20	163	276	172	25	0	16.8	220	60	5 01	93	5 0110		
Bute Millport	50	34	34	*															
Renfrew Paisley	188	81	31	4	4	2	13	67	349	239	0	6.1	180	40	4 23	75	4 2215		
Renfrew	71	41	39	4,5	12	5	12	183	337	128	0	8.6	190	46	4 23	73	4 2320		
Ayr Prestwick	80	50	40	-	0	5	23	115	280	254	0	6.5	190	32	4 21	63	4 2040		
Dumfries Eskdalemuir	825	50	35	4,5	6	5	26	131	238	271	0	6.8	190	43	4 22	66	4 2120		
ENGLAND and WALES																			
6b Isle of Man Point of Ayre	70	40	35	4,23	9	9	48	293	272	50	0	11.8	210	46	4 21	73	4 1930		
2 Durham Durham	389	53	33	-	0	5	16	179	279	198	0	7.1	200	30	4 22	55	5 0030		
South Shields	73	57	44	-	0	6	28	158	368	118	0	8.4	010	25	14 05	45	4 2255		
Yorks., N.R. Linton-on-Ouse	73	27	33	1/2															
Yorks., E.R. Spurn Head	64	44	34	4,23	4	12	88	320	226	34	0	13.0	170	35	23 19	55	1 1615		
Lincoln Cranwell	288	47	47	-	0	3	5	192	349	126	0	8.1	180	25	4 22	46	1 1545		
3 Norfolk Gorleston	52	42	34	-	0	6	41	214	308	109	0	9.3	170	28	7 18	39	1 1120		
Suffolk Felixstowe	85	75	65	-	0	2	5	247	251	169	0	8.7	250	25	1 16	40	1 1500		
Mildenhall	98	83	60	-	0	1	1	161	388	122	0	6.4	260	24	1 17	45	4 2020		
Bedford Cardington	285	150	135	-	0	6	38	244	290	100	0	10.0	290	30	1 09	51	1 1540		
Dunstable	567	55	33	-	0	1	3	219	374	76	0	8.7	210	23	1 16	37	1 1554		
Herts. Stevenage	564	111	65	-	0	2	8	216	308	80	0	9.7	250	24	1 17	45	1 1605		
Essex Shoeburyness	115	104	89	-	0	11	75	332	261	4	0	13.1	190	32	4 23	43	1 1445		
4 Warwick Birmingham	643	118	73	-	0	7	7	144	451	70	0	8.0	160	23	4 19	49	13 0326		
Stafford Keele	706	50	40	-	0	2	7	184	304	177	0	7.5	200	28	4 21	51	4 2010		
Gloucester Avonmouth	92	61	33	4	2	10	50	226	271	123	0	10.1	190	35	4 18	51	4 1655		
5 London Kingsway	231	160	40	-	0	0	0	93	425	136	18	6.5	280	19	1 13	34	1 1235		
Middlesex Hampton	139	101	100	-	0	1	3	210	360	99	0	8.4	230	24	1 13	41	1 1205		
Surrey Croydon	313	105	70	-	0	1	1	130	230	311	0	5.5	230	22	1 14	39	1 1230		
Kew Observatory	92	75	50	-	0	1	7	226	351	88	0	8.8	210	24	1 09	40	1 0950		
Kent Dover	66	36	60	*															
Dungeness	70	50	33	-	0	1	4	283	331	54	0	10.0	190	23	1 12	33	1 1435		
Isle of Grain	48	40	33	-	0	2	12	220	363	77	0	9.2	220	26	1 10	45	1 0950		
Sussex Thorney Island	75	65	42	-	0	0	0	211	275	186	0	7.7	220	20	1 03	37	1 1235		
Hants. S. Farnborough	318	69	35	-	0	1	1	152	282	237	0	6.5	240	23	1 13	40	1 1245		
Berks. Abingdon	250	40	40	-	0	7	45	293	251	83	0	10.9	200	26	1 05	47	1 1520		
Wiltshire Larkhill	491	51	36	-	0	4	7	213	320	132	0	8.5	190	24	4 21	43	4 1755		
Porton	406	44	44	-	0	6	53	178	282	159	0	8.7	220	29	1 08	42	1 0715		
7a Cumberland Sellafield	83	39	35	4,5	6	5	24	189	261	180	12	8.5	190	39	4 21	67	4 2237		
Westmorland																			
Moor House	1960	50	45	4,5,8,23	12	13	75	277	152	102	54	12.7	220	39	4 21	73	4 2020		
Lancashire Fleetwood	112	50	31	-	0	6	20	300	256	96	0	10.2	190	28	4 21	58	4 2115		
Southport	63	45	36	-	0	4	11	183	346	62	70	7.1	240	25	6 02	44	1 1620		
Speke	180	100	65	4	3	9	55	282	231	101	0	11.2	200	40	4 21	62	1 1355		
Cheshire Bidston Observatory	262	64	39	-	0	2	14	261	295	102	0	-	120	26	23 12	59	4 2250		
Manchester Airport	318	70	30	-	0	8	36	278	312	46	0	10.8	160	32	4 20	57	4 2010		
7b Anglesey Holyhead (Valley)	76	50	40	4,5,7	16	15	93	249	211	103	0	12.5	200	46	4 20	68	4 1921		
8a Cardigan Aberporth	483	41	41	4,23	7	12	76	302	241	46	0	13.0	190	38	4 18	65	4 1455		
Pembroke Kete	249	49	37	-															
Milford Haven	246	50	35	-	0	5	27	315	228	102	0	10.8	180	32	4 17	57	4 1605		
Glamorgan Port Talbot	91	40	35	-	0	9	54	284	230	104	0	10.9	150	28	28 13	42	28 1215		
8b Devon Plymouth	191	88	65	4,7	18	12	71	280	238	65	0	12.6	-	39	4 17	54	4 1625		
Cornwall The Lizard	315	75	60	1,4,7,13	31	21	131	355	106	49	0	16.7	170	44	4 14	67	7 0610		
NORTHERN IRELAND																			
Antrim Aldergrove	281	65	65	4,5	9	7	25	238	295	105	0	9.9	180	45	4 21	71	4 2140		
Londonderry Eglinton	79	61	51	-															
SCILLY ISLES																			
St. Mary's	230	65	57	4	5	15	104	324	156	83	0	13.4	180	37	4 13	57	4 1255		

a. also on 9,23,24,27,28.

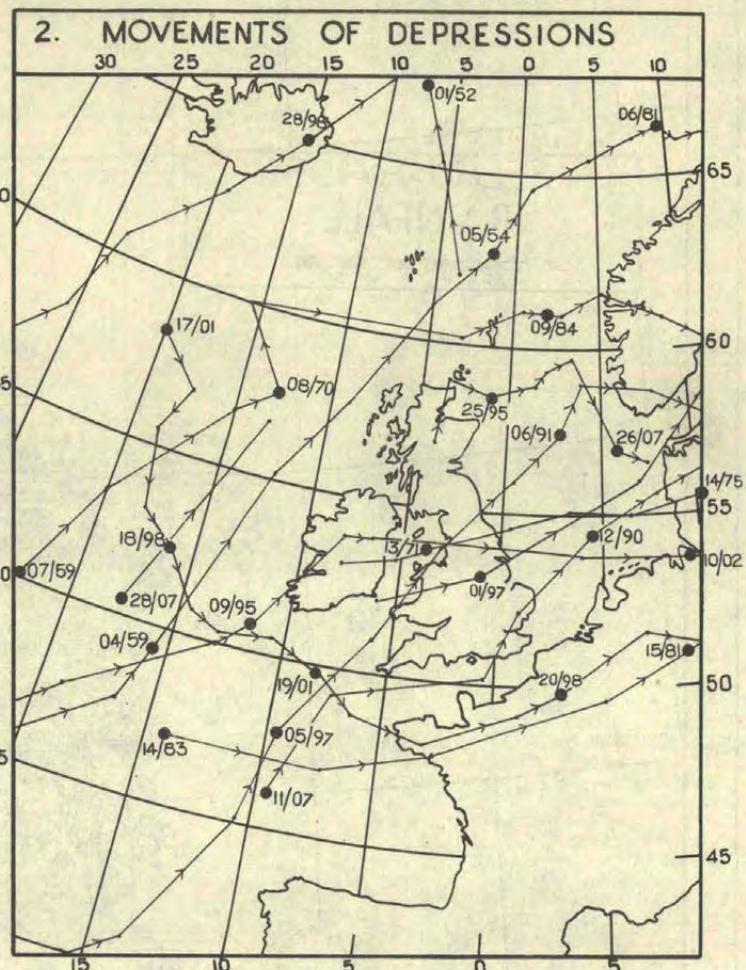
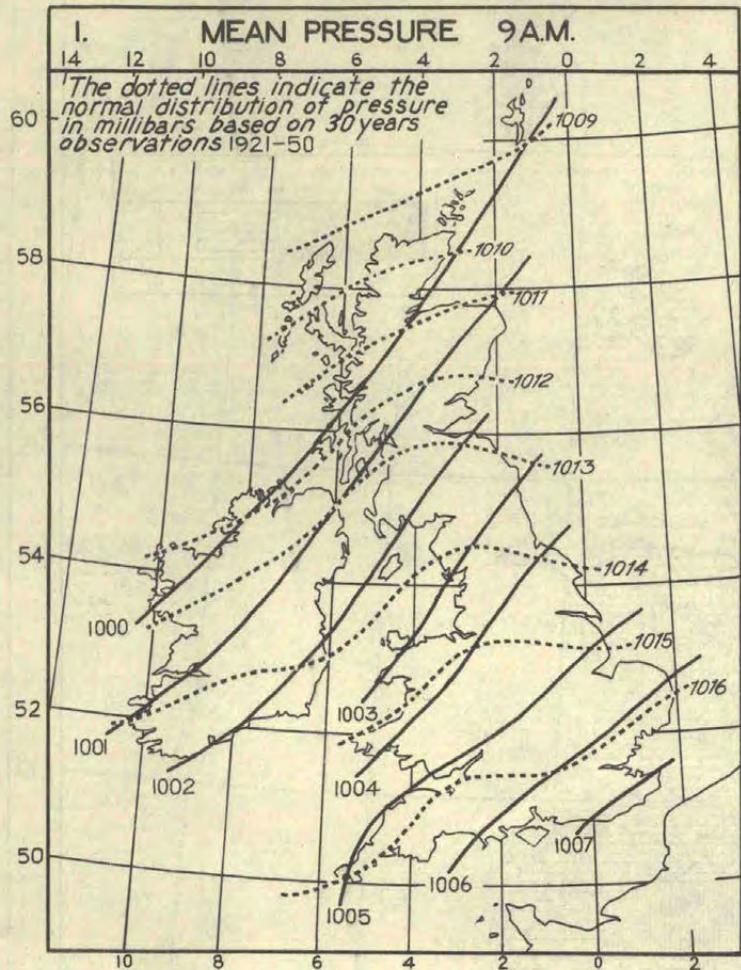
φ Anemograph under repair and awaiting re-erection.

* Defective Record.

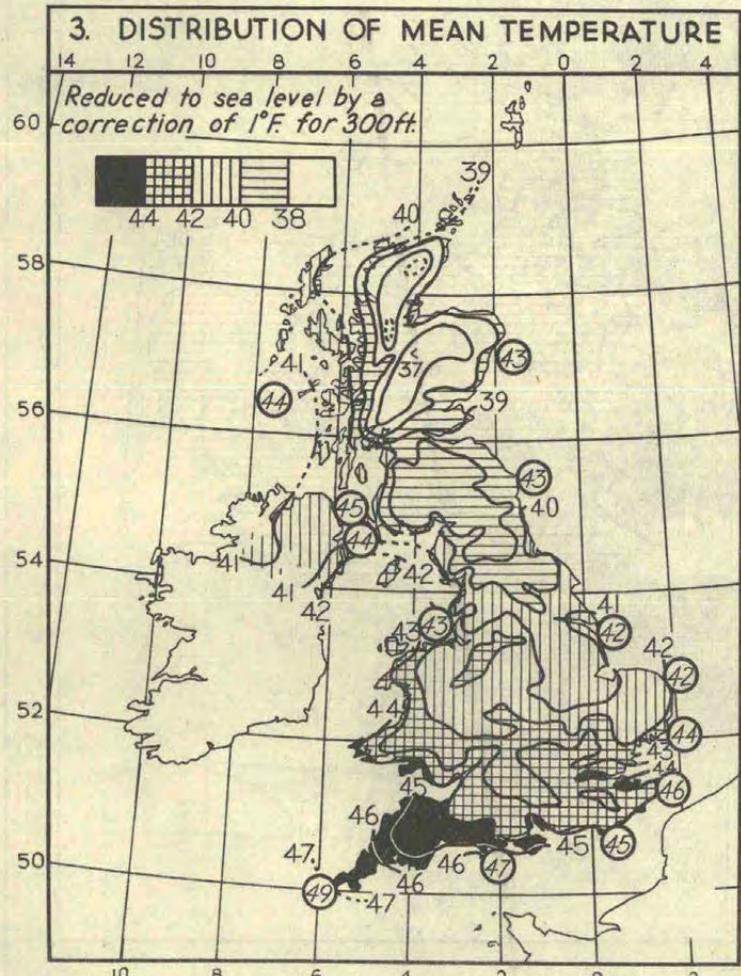
1/2 Record temporarily ceased.

MONTHLY WEATHER CHARTS

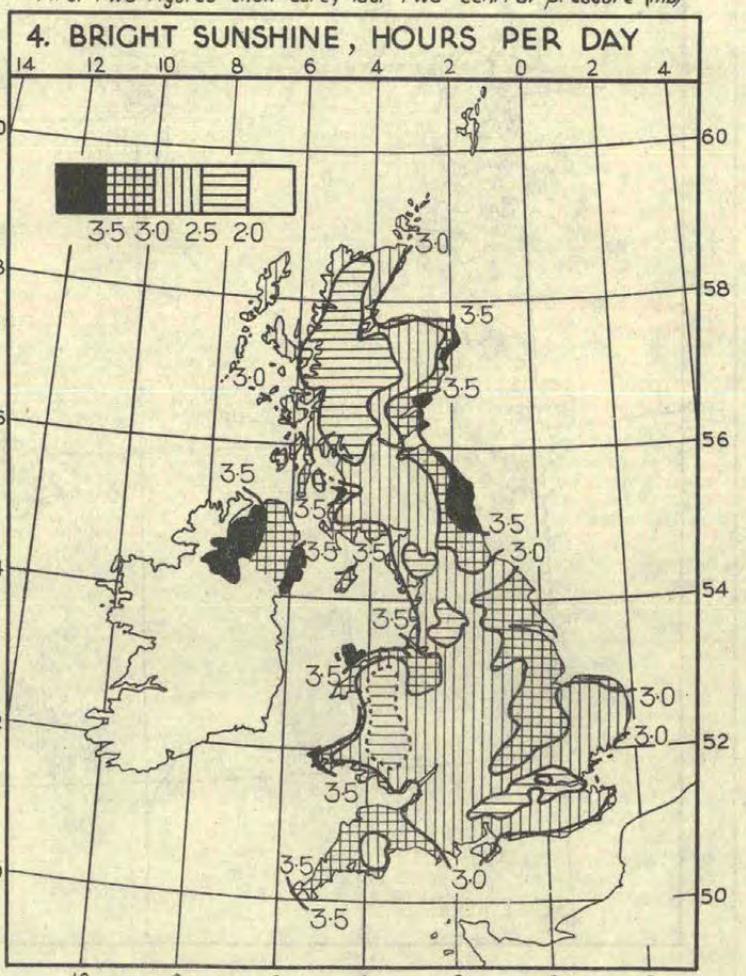
FEBRUARY 1957

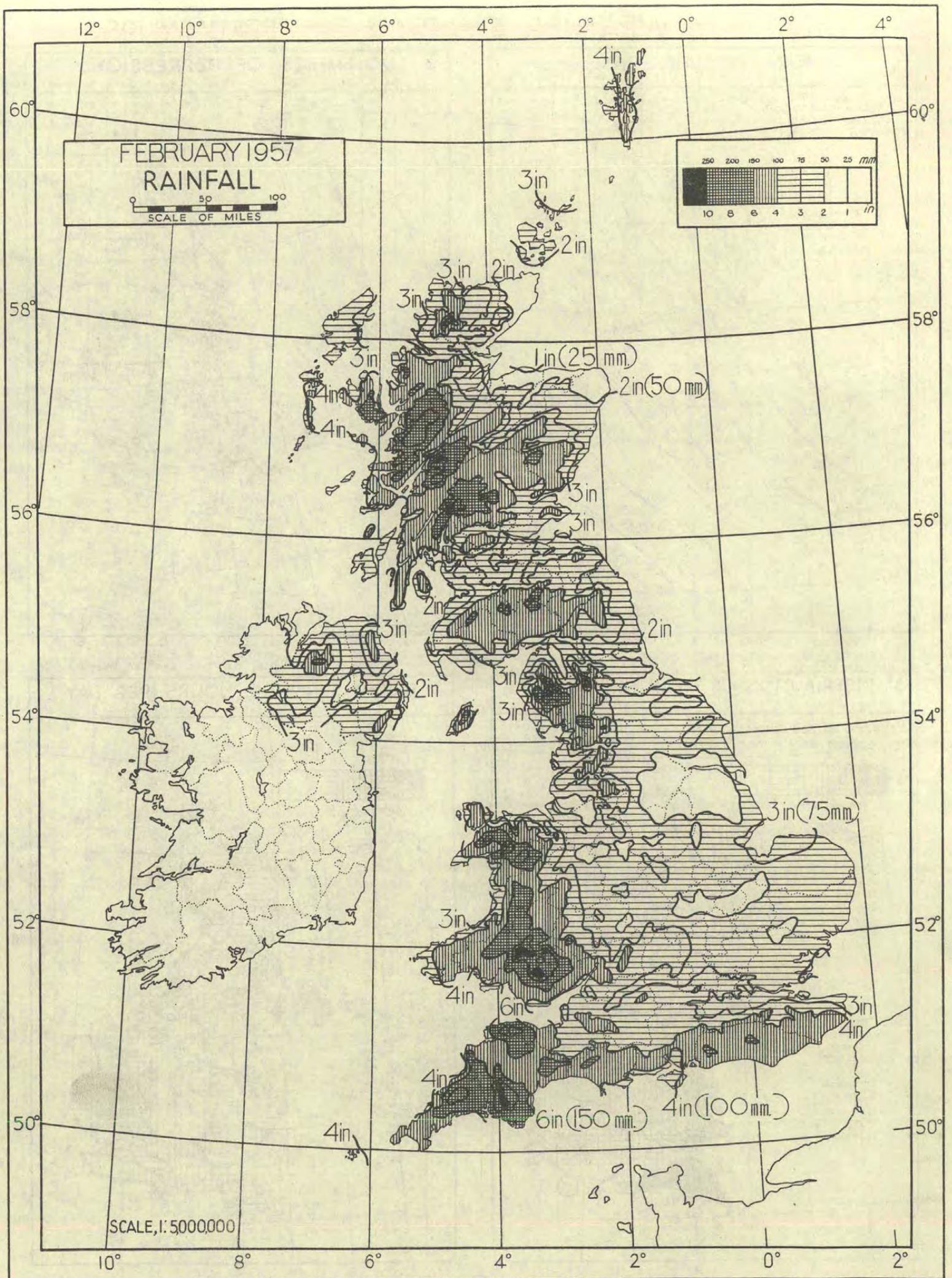


Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



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





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

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n for more than 0.01 in. (0.2 mm.) or more	Snow or Sleet	Snow lying	Hall	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum					Date	Amount												Date			
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.													hr.	%	
6a SCOTLAND, W.																														
Argyll	Colonsay ..	9 9 9	87	45.2	35.7	40.5	-	51	4	28	26	-	-	4.21	112	.64	23	20	17	-	-	-	-	-	-	-	8	-	-	-
	Dunoon (Benmore)	9 9 9	46	44.7	31.8	38.3	-	55	8	24	20	37.5	40.5	7.20	-	1.46	23	16	15	2	2	0	0	1	16	20	1	-	-	
	Dunoon Water Works	9 9 9	228	45.3	34.2	39.7	-	49	1, 5, 9	28	19	-	-	5.67	-	1.37	23	16	15	-	2	-	-	0	11	9	1	-	-	
	Glenbranter ..	9 9 9	120	42.7	31.2	36.9	-1.8	49	5, 8	21	19	-	-	6.77	-	.87	4	17	17	4	3	0	1	5	14	23	1	-	-	
	Loch Fyne (Lephinmore) ..	9 9 9	30	44.6	34.1	39.3	-	51	4, 8	23	17	-	-	4.52	-	.59	3	16	14	4	3	2	0	0	12	15	0	2.56	-	S
Bute	Millport ..	9 9 9	16	45.6	36.8	41.2	-	51	4	30	19	-	-	2.87	-	.74	23	17	14	7	1	6	0	0	4	11	5	3.11	133	
	Rothsay ..	2121 9	200	43.5	35.1	39.3	-0.4	50	4, 8	29	19	37.5	41.1	3.56	89	.73	23	14	13	3	0	0	0	0	6	13	3	-	-	
Dumbarton	Helensburgh ..	9 9 9	293	43.3	32.5	37.9	-0.8	51	4	25	19	-	-	4.29	89	1.25	23	15	14	4	5	1	0	0	15	-	3.36	119		
Stirling	Falkirk ..	9 9 9	100	44.5	32.4	38.5	-	53	5, 8	25	21	-	-	3.73	-	1.50	23	14	11	3	2	0	0	5	14	-	1	-		
	Stirling ..	9 9 9	151	44.9	33.5	39.2	-0.1	52	4	27	19	36.4	39.5	3.42	114	.86	24	16	15	3	1	1	0	2	12	17	0	-	-	
Renfrew	Barrhead ..	9 9 9	97	44.3	32.2	38.3	-	52	4, 8	24	18, 22	-	-	3.02	-	1.03	23	20	14	3	2	1	0	3	14	18	2	-	-	
	Greenock ..	9 9 9	200	44.5	34.9	39.7	-0.1	53	4	29	19	-	-	4.30	81	1.07	23	15	14	4	4	2	0	4	7	13	2	2.24	-	S
	Paisley ..	2121 9	106	45.3	34.5	39.9	0.0	53	8	28	19	38.3	43.7	3.12	89	1.16	23	15	13	2	2	1	0	1	10	14	2	2.36	128	
	Renfrew ..	21-9 9	26	44.6	33.5	39.1	-0.2	53	4	23	19	-	-	2.92	90	1.07	23	14	11	4	1	0	0	6	10	18	2	2.49	132	
Lanark	Carnwath ..	9 9 9	706	41.8	30.4	36.1	-	50	4	20	19	-	-	2.63	-	.77	23	13	11	5	2	0	0	0	18	21	3	-	-	
	Coalburn ..	9 9 9	920	41.6	29.5	35.5	-	49	4, 6	19	22	35.7	-	3.45	-	1.10	23	16	12	6	2	0	0	2	20	19	2	2.94	-	
	Coatbridge ..	9 9 9	256	43.7	33.1	38.4	-	51	8	25	19	-	-	2.47	-	.82	23	16	12	2	0	1	0	5	14	-	2	-	-	
	Glasgow, Spr. Pk.	9 9 9	351	43.6	32.6	38.1	-	51	4	26	19	-	-	3.25	-	1.38	23	17	13	3	-	2	0	-	13	17	1	2.44	-	
	Glengavel ..	9 9 9	839	40.9	31.1	36.0	-	48	4	21	19	-	-	3.34	-	1.03	23	16	14	4	12	1	0	2	16	-	1	-	-	
	Leadhills ..	9 9 9	1270	39.8	28.6	34.2	-	48	4	16	19	-	-	5.48	-	1.18	7	16	14	5	3	2	0	0	20	20	3	-	-	
	Thorntonhall ..	9 9 9	453	43.0	31.3	37.1	-	50	4, 8	24	19, 22, 23	-	-	3.47	-	1.03	23	15	14	4	4	3	0	-	17	19	0	2.70	-	
Ayr	Auchincruive ..	9 9 9	147	45.1	33.7	39.4	-	52	4	24	19	39.2	42.6	1.77	-	.67	23	17	10	3	1	2	0	0	11	15	2	3.18	-	
	Colmonell ..	9 9 9	170	45.6	34.0	39.8	0.0	51	4, 8	21	19	-	-	3.61	94	.58	4, 11	18	14	3	0	3	0	0	9	14	0	-	-	
	Kilmarnock ..	9 9 9	115	44.8	34.0	39.4	-0.2	53	4, 5	24	19	38.0	42.5	2.13	74	.62	23	14	12	1	0	0	0	3	9	14	2	2.93	134	
	Largs (Woodbank)	9 9 9	25	45.7	34.7	40.2	-	52	4	24	19	-	-	3.47	-	1.00	23	16	14	-	-	-	1	11	12	-	-	-		
	Prestwick ..	9 9 9	17	45.1	34.3	39.7	-	52	4	26	19	-	-	2.13	89	.72	23	16	13	2	0	3	0	0	11	12	1	3.46	-	
	.. Airport	21-9 9	30	45.5	35.0	40.3	-	53	4	24	19	-	-	1.97	-	.64	23	15	12	2	0	4	0	0	10	13	2	3.67	-	
	Turnberry ..	9 9 9	25	46.0	35.3	40.7	+0.3	52	10	26	19	-	-	2.70	-	.60	22	16	14	1	0	1	0	0	8	-	0	3.60	-	
Dumfries	Dumfries ..	9 9 9	140	44.6	33.0	38.8	-0.1	50	4, 8	21	19, 20	39.0	42.2	4.61	141	.98	7	15	11	3	-	1	0	0	11	18	2	2.63	119	
	Eskdalemuir ..	21-9 9	794	42.2	29.2	35.7	-0.4	48	4	13	19	38.9	42.6	5.32	107	1.34	23	17	13	8	3	0	0	4	18	18	2	2.87	134	
	Ruthwell ..	9 9 9	95	45.7	32.4	39.1	+0.6	52	4	21	19	-	-	3.55	-	.96	7	17	13	-	-	0	0	14	-	1	2.85	135S		
Kirkcudbright	Castle Douglas ..	9 9 9	196	43.5	31.0	37.3	-	50	4	19	20	38.7	-	4.03	-	.93	23	16	11	-	-	0	-	1	16	21	-	3.14	-	
	Glenlee ..	9 9 9	181	45.2	30.9	38.1	-	50	4, 8, 9	17	20	-	-	5.10	-	1.21	23	17	14	4	2	0	0	0	15	21	1	-	-	
	Glenloch Barrage	9 9 9	154	44.4	31.3	37.9	-	51	8	19	20	-	-	3.37	-	.98	23	17	13	-	-	1	-	-	16	-	-	-		
Wigtown	West Freugh ..	21-9 9	50	44.9	35.1	40.0	-	50	4, 8	22	19, 20	-	-	2.35	-	.60	23	17	13	2	0	0	0	0	10	11	0	3.18	-	
6b ISLE OF MAN																														
Ile of Man	Douglas ..	9 9 9	284	45.7	36.6	41.1	+0.5	51	4	27	20	-	-	4.26	134	.91	7	20	15	4	0	1	0	0	4	12	-	3.03	129	
	Point of Ayre ..	21-9 9	30	47.1	37.7	42.4	-	53	8	25	20	-	-	3.09	-	.61	23	16	12	1	0	0	0	0	4	-	4	3.49	-	
	Ronaldsway ..	21-9 9	55	46.5	38.3	42.4	-	51	4	24	20	-	-	2.83	118	.45	5	19	16	4	0	3	0	0	5	10	3	3.18	-	
2 ENGLAND, N.E.																														
Northumberland	Acklington ..	21-9 9	138	44.7	32.0	38.3	-	53	4	24	19	-	-	2.28	-	.56	13	13	12	2	0	0	0	3	17	18	2	-	-	
	Bellingham ..	9 9 9	849	42.5	29.9	36.2	+0.4	50	4	20	19	-	-	3.55	140	.63	7	18	13	6	6	0	0	-	20	-	-	-	-	
	Berwick-on-Tweed	9 9 9	76	44.5	33.7	39.1	-0.2	53	4	26	19, 22	-	-	2.60	182	.57	23	13	9	1	0	1	0	1	11	12	2	3.70	141	
	Cockle Park ..	2121 9	326	44.5	31.8	38.1	+0.1	52	5	25	19, 20	37.0	40.8	2.86	169	.90	13	16	10	2	1	3	0	0	17	16	0	3.65	150	
	Haydon Bridge ..	9 9 9	270	44.9	30.8	37.9	-	54	4	18	20	38.9	43.3	1.90	-	.45	23	15	11	1	0	1	0	0	17	19	1	3.37	-	
	Kielder Castle ..	9 9 9	660	42.3	29.1	35.7	-	51	4	14	19, 20	37.7	-	4.35	-	.88	7	17	15	3	4	0	0	1	17	20	0	-	-	
	Ponteland ..	9 9 9	220	44.9	31.4	38.1	-	53	4	21	19	-	-	2.49	-	.65	13	15	11	2	1	1	0	2	15	21	0	-	-	
	Tynemouth ..	21-9 9	108	44.7	35.7	40.2	-0.1	53	4	27	19	-	-	1.88	137	.37	23	13	9	1	0	1	0	7	7	17	2	3.57	-	
Durham	Birtley ..	9 9 9	92	46.4	32.0	39.2	-	54	4	20	19	-	-	2.21	-	.49	13													

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1957

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		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n for more or more (0.0 mm.) or more	Snow or Sleet	Snow lying	Hall	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average		
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date	
4 MID COUNTIES—cont.																												
Warwick— Rugby ..	9 9 9	385	47.0	35.5	41.3	-	54	3	21	20	40.8	-	2.36	-	.45	5	17	12	4	1	0	-	8	16	0	-	-	-
cont. Shipston on Stour	9 9 9	365	47.0	35.7	41.3	-	56	7	24	20	41.8	-	2.46	-	.66	7	17	13	5	0	1	0	4	8	17	1	3.01	-
Stratford on Avon	9 9 9	160	47.9	34.2	41.1	-	55	8	18	20	41.5	-	2.23	143	.51	5	18	14	1	0	1	0	4	13	19	0	2.81	-
Wellesbourne ..	9 9 9	153	47.8	34.9	41.3	-	55	3,8	22	20	41.0	43.1	2.32	147	.48	23	17	13	4	0	2	0	4	11	18	0	2.74	-
Oxford ..	9 9 9	208	48.3	37.8	43.1	+3.0	55	1,3	28	20	41.8	44.5	2.83	173	.56	7	17	15	4	-	1	0	4	8	12	0	2.97	120
Buckingham Aylesbury ..	9 9 9	316	47.9	37.1	42.5	-	55	1,3,11	28	16,20	-	-	2.40	-	.63	11	14	12	2	0	0	0	2	10	15	0	2.96	-
Stafford Keele ..	9 9 9	587	44.9	34.1	39.5	-	51	1,4,11	25	20	39.4	43.0	2.36	-	.50	7	21	15	7	2	5	0	4	10	16	0	2.89	- S
*Market Drayton	9 9 9	581	45.1	32.9	39.0	-	51	1,8,25	22	20	-	-	2.43	-	.55	7	13	13	7	2	1	0	5	12	15	0	3.08	-
Oaken ..	9 9 9	409	46.4	34.4	40.4	-	53	11	24	20	40.5	-	2.05	-	.36	5	15	12	-	-	-	1	9	15	-	-	-	
Stone ..	9 9 9	350	46.4	33.6	40.0	-	53	8,11	23	20	-	-	1.97	-	.37	23	23	13	5	0	1	0	2	11	16	0	2.70	-
Shropshire Newport ..	9 9 9	211	46.7	33.7	40.2	-	54	8	21	20	-	-	1.54	99	.29	5	19	9	4	1	0	0	2	12	21	-	2.77	- S
Oswestry ..	9 9 9	570	45.8	34.5	40.1	-	51	4,8,25	27	20	-	-	3.21	-	.65	7	19	17	4	3	1	0	5	10	18	0	3.00	-
Shawbury ..	21-9 9	235	46.8	33.3	40.1	-	55	8	22	20	-	-	1.98	-	.37	7	18	12	9	1	3	0	2	15	19	0	2.87	- S
Shrewsbury ..	9 9 9	184	47.2	35.5	41.3	-	54	8	23	20	41.5	45.0	1.82	116	.27	5	21	11	5	1	2	0	2	8	17	0	2.83	-
Worcester Defford ..	21-9 9	55	48.1	34.9	41.5	-	54	3,8,11	20	20	-	-	1.88	-	.41	5	16	12	3	0	0	0	5	12	16	0	2.53	-
Droitwich ..	9 9 9	106	47.8	34.5	41.1	-	55	11	24	20	-	-	2.24	-	.45	23	18	13	1	0	0	0	4	10	-	0	2.34	-
Halesowen ..	9 9 9	505	46.5	34.6	40.5	-	53	11	19	20	40.6	43.5	2.63	-	.51	7	21	15	5	1	1	0	4	11	17	0	2.70	-
Malvern ..	9 9 9	203	47.3	36.4	41.9	+2.2	53	1	28	20	41.5	43.7	2.78	154	.53	5	19	13	3	0	0	0	3	8	12	-	2.44	96 S
Pershore (Institute of Horticulture)	9 9 9	130	47.7	36.7	42.2	-	54	3,11	20	20	-	-	2.07	-	.47	7	16	14	1	0	0	0	5	7	15	0	2.92	-
Worcester (Redhill)	9 9 9	190	47.5	34.8	41.1	-	55	25	25	20	-	-	2.29	146	.46	23	15	12	0	0	0	0	5	11	17	0	2.75	-
Hereford Lyonsall ..	9 9 9	510	46.1	34.8	40.5	-	52	25	27	20	-	-	3.59	-	.80	7	21	15	-	-	-	-	9	18	-	-	-	
Preston Wynne ..	9 9 9	274	46.9	34.3	40.6	-	54	25	25	21	-	-	2.62	-	.44	5	19	12	2	1	0	0	2	12	17	1	2.45	-
Ross-on-Wye ¶	21-9 9	223	48.2	37.1	42.7	+2.1	55	25	26	19	41.7	44.5	2.69	134	.65	7	18	13	2	0	0	0	2	8	17	2	2.65	108
Gloucester Bristol (Filton) ..	21-9 9	192	48.1	37.2	42.7	-	53	1,4,25	25	19	-	-	3.21	-	.87	7	23	16	4	1	0	0	3	7	13	0	2.80	-
Cirencester ..	9 9 9	443	46.3	35.0	40.7	-	52	1,3	25	16	-	-	4.07	174	1.23	7	19	17	3	2	0	0	4	11	18	0	2.54	-
Little Rissington	21-9 9	740	44.9	36.0	40.5	-	52	1,25	24	20	-	-	3.63	-	.99	7	19	16	6	4	1	0	5	9	14	1	2.53	-
Ruscombe ..	9 9 9	620	46.8	35.5	41.1	-	54	25	24	20	-	-	3.29	-	1.15	7	20	14	1	0	0	0	5	8	-	0	-	
5 ENGLAND, S.E.																												
London Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.04
Camden Square ..	9 9 9	110	49.5	39.3	44.4	+3.8	57	3,4	31	16,18	43.6	45.8	3.11	186	.57	5	18	12	-	-	-	-	2	13	-	-	-	-
Greenwich (Maritime Museum)	9 9 9	24	48.6	38.4	43.5	-	57	4	28	28	-	-	2.51	-	.46	11	18	14	-	0	-	-	7	11	0	2.37	-	
Hampstead ..	9 9 9	450	47.1	37.4	42.3	+3.7	55	3	28	16	-	-	3.14	174	.59	5	18	13	3	-	0	0	-	8	12	0	-	-
Kensington ..	9 9 9	81	48.7	39.4	44.1	+3.0	57	3	30	16	43.2	49.0	2.98	181	.56	5	18	15	1	0	0	0	-	3	13	0	-	-
Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
Regent's Park ..	9 9 9	129	49.0	39.6	44.3	-	57	3,4	31	16,18	-	-	3.04	-	.57	5	14	12	1	-	0	0	0	3	13	-	2.18	136
Westminster ..	9 9 9	27	48.7	39.5	44.1	+2.7	56	1	30	16,18	-	-	2.92	200	.55	5	18	14	0	-	0	0	-	3	13	-	-	-
Middlesex Hampton ..	9 9 9	39	48.7	38.6	43.7	-	57	3	30	16	-	-	2.76	-	.51	5	18	14	4	0	0	0	1	5	13	0	2.65	-
London Airport ..	21-9 9	82	48.0	37.9	42.9	-	56	3	26	18	-	-	2.75	-	.52	5	18	12	2	0	0	0	1	7	13	0	2.32	-
Southgate ..	9 9 9	221	48.4	37.9	43.1	-	56	3,4	29	16	43.1	-	3.27	-	.65	5	15	14	0	0	0	0	1	7	13	-	1.93	-
Wealdstone ..	9 9 9	175	48.3	36.9	42.6	+2.4	56	3	25	18	42.7	46.8	3.08	176	.56	7	18	14	2	0	0	0	4	9	17	0	-	-
Surrey Addington ..	9 9 9	474	46.6	37.6	42.1	+3.1	54	3,4	30	16,18	-	-	3.40	-	.63	5	19	17	-	-	-	-	1	8	-	-	-	
Croydon ..	21-9 9	201	47.8	38.2	43.0	+2.6	55	3,4,25	29	16,18	-	-	3.00	155	.59	5	19	15	1	0	0	0	2	8	13	0	2.44	108
Farnham ..	9 9 9	260	-	35.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kew Observatory ¶	21-9 9	18	48.0	39.9	43.9	+2.8	56	3	32	18	42.5	45.0	2.91	189	.56	5	18	15	2	0	0	0	2	1	14	0	2.61	123
Mickleham ..	9 9 9	179	48.4	36.1	42.3	-	55	3,25	26	16,18,21	-	-	3.55	-	.75	5	16	15	0	0	0	0	-	11	12	-	-	-
Wisley ..	9 9 9	150	48.1	37.5	42.8	+2.7	59	1	29	16,18,21	42.9	44.7	3.25	187	.57	5	20	15	1	1	0	0	2	8	15	-	2.39	108
Kent Bromley ..	9 9 9	213	47.5	37.7	42.6	+2.5	56	3	29	15,16	-	-	2.83	169	.49	5	19	15	0	0	0	0	1	6	11	-	-	-
Dartford ..	9 9 9	17	49.1	37.2	43.1	-	57	4	27	28	-	-	2.23	-	.39	23	18	13	0	0	0	0	-	10	-	-	-	
Dover ..	9 9 9	19	48.6	40.4	44.5	+3.8	55	25	31	18,21	44.9	45.8	4.54	236	.72	7	22	19	1	0	0	0	0	3	3	-	3.28	-
East Malling ¶	9 9 9	122	48.4	37.0	42.7	+3.2	55	1	27	18	-	44.1	3.51	190	.71	7	19	16	3	1	0	0	2	9	14	-	2.55	108
Folkestone ..	9 9 9	128	48.5	39																								

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1957

Table with columns: DISTRICT, COUNTY AND PLACE; Terminal Hours of Observation; Height of Station above Mean Sea Level; AIR TEMPERATURE IN DEGREES FAHRENHEIT (Means of A Max, B Min, Mean Temperature, Difference from Average, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft, 4 ft); RAINFALL (Total Fall, Percentage of Average, Most in a day, Precip'n); WEATHER (Number of days, Snow lying, Hail, Thunder heard, Fog, Air Frost, Ground Frost, Gale); BRIGHT SUNSHINE (Daily Mean, Percentage of Average).

* Sunshine recorder is at Seed Trial Grounds

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.2 mm. or more)	Snow or Sleet	Snow lying	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A Max.	B. Min.		Mean Temperature	Maximum	Date					Minimum	Date											Amount	Date			
8a SOUTH WALES																													
Cardigan	Aberporth	21-9 9	376	47.2	38.7	42.9	-	52	7	27	20	-	-	3.35	119	.51	7	19	14	5	1	5	0	0	4	7	2	3.76	-
	Aberystwyth	9 9 9	12	48.1	38.4	43.3	-	54	3,27	26	20	-	-	2.66	107	.43	13	22	15	0	0	0	0	0	3	-	-	3.49	132
Pembroke	Llety-evan-hen	9 9 9	950	44.5	35.7	40.1	-	51	3	25	20	-	-	3.75	-	.67	13	21	18	1	-	2	0	1	8	7	-	2.44	-
	P.B.S.*	9 9 9	450	47.9	36.7	42.3	-	54	4,6	25	20	-	-	2.67	-	.36	7	21	15	2	0	5	0	0	4	14	-	3.17	126
Radnor	Gogerddan	9 9 9	103	48.9	35.5	42.2	-	55	3	22	20,21	-	-	3.19	-	.39	7,13	19	15	1	0	3	1	0	6	17	0	3.03	-
	Swyddifynnion	9 9 9	588	46.6	34.4	40.5	-	52	3,27	22	20	-	-	4.22	-	1.13	13	20	15	1	0	5	1	0	10	11	1	-	-
Glamorgan	Trawscoed	9 9 9	200	48.8	35.0	41.9	-	54	3	21	20	-	-	3.80	-	.62	7	24	19	-	2	1	-	0	8	16	-	2.90	-
	Dale Fort	9 9 9	109	48.7	40.7	44.7	-	52	25,26	30	20	-	-	3.36	-	.46	25	25	17	1	0	2	0	2	2	6	3	3.60	-
Monmouth	Haverfordwest	9 9 9	131	48.8	37.7	43.3	+1.8	53	8,25,26	24	20	-	-	3.59	103	.56	6	21	17	-	0	-	-	1	7	-	-	-	
	Milford Haven	9 9 9	179	48.4	38.5	43.5	-	52	4,25,26	28	19,21	-	-	3.22	-	.33	6,23	24	17	1	0	3	1	2	4	-	-	3.20	-
Somerset	Pembroke Dock	21-9 9	34	49.0	39.9	44.5	-	54	26	28	20	-	-	4.11	138	.47	6	24	21	1	0	8	0	2	4	6	1	3.40	-
	Tenby	9 9 9	64	48.4	38.5	43.5	+1.4	53	25,26	27	20	-	-	4.30	148	.59	23	23	21	0	0	0	0	4	6	8	-	3.36	127
Dorset	Llandrindod Wells †§	9 9 9	770	46.7	33.7	40.2	+1.9	52	25,26	23	20	-	-	4.12	127	.65	7	19	17	3	1	0	0	2	12	-	-	2.12	96
	Breknock	9 9 9	860	45.7	34.4	40.1	-	51	25	25	16	-	-	8.63	158	1.34	23	23	20	8	1	6	1	3	10	-	-	-	-
Devon	Cardiff †§	9 9 9	202	48.5	37.2	42.9	+2.2	54	25	29	16,19,20	42.9	45.6	5.31	181	.97	7	23	20	0	-	0	3	7	11	0	3.16	125	
	Neath	9 9 9	153	48.7	39.1	43.9	-	53	25	29	16	-	-	5.94	-	1.11	6	23	21	2	0	4	0	0	5	7	0	-	-
Cornwall	Port Talbot	9 9 9	24	49.6	38.7	44.1	-	54	4	27	19,20	-	-	4.72	-	1.14	6	23	21	1	0	1	0	0	6	8	0	3.26	-
	Rhoose	21-9 9	220	47.4	38.6	43.0	-	52	4	25	19,20	-	-	3.48	-	.92	23	23	20	3	0	0	0	2	6	10	0	2.91	-
Wiltshire	Rhoose	9 9 9	27	49.0	39.0	44.0	+1.9	54	25	29	19,20	43.5	47.1	3.96	-	.71	23	22	21	1	0	1	0	0	4	6	-	3.38	136
	Swansea	9 9 9	75	48.5	37.2	42.9	-	53	25,26	28	16,19,20	-	-	5.14	-	1.10	7	23	20	1	0	0	0	0	7	14	0	2.84	-
Somerset	Tredegar	9 9 9	1028	44.7	34.5	39.6	-	49	1,4,26	25	16	-	-	8.45	-	2.14	7	21	18	7	2	0	0	-	11	12	-	2.73	-
	Usk	9 9 9	70	48.6	35.1	41.9	-	54	25	25	18,19	42.2	-	5.92	-	1.93	7	20	19	0	0	1	0	0	11	15	-	2.69	-
8b ENGLAND, S.W.																													
Somerset	Bath †§	9 9 9	67	48.9	37.0	42.9	+2.0	55	1	25	16	43.1	44.5	2.74	127	.49	7	22	19	3	1	0	0	3	10	14	2	2.70	110
	Bickenhall	9 9 9	231	49.4	37.3	43.3	-	54	1,8,25	25	19	44.0	46.4	5.65	-	1.11	7	23	19	0	0	1	1	0	9	13	2	3.17	-
Dorset	Cannington	9 9 9	95	49.1	38.3	43.7	-	55	1	27	19	-	-	3.61	-	.67	23	23	21	1	0	2	0	1	5	9	1	2.92	-
	Long Ashton	9 9 9	162	48.7	37.3	43.0	+2.4	54	1,4,11	27	19	43.4	-	3.46	147	1.05	7	22	17	1	1	0	0	1	9	17	-	2.81	117
Devon	Weston's-Mare	9 9 9	28	49.3	38.7	44.0	-	54	1,8	28	20	-	-	2.77	147	.63	23	22	14	1	0	0	0	1	6	10	-	3.18	129
	Wootton Courtenay	9 9 9	486	48.0	37.3	42.7	-	53	25	26	19	-	-	7.00	-	.93	7	25	21	6	2	1	0	0	6	9	1	3.10	-
Somerset	Poole	9 9 9	18	49.4	36.6	43.0	-	57	25	24	16	-	-	4.27	-	.80	7	22	21	0	0	1	0	2	9	-	-	2.90	-
	Portland Bill	21-9 9	32	48.5	43.7	46.1	+3.3	52	1,11,25	32	20	-	-	4.21	217	.62	7	23	21	0	0	0	0	0	1	-	0	-	-
Devon	Shaftesbury	9 9 9	680	46.3	37.0	41.7	+2.7	52	1	27	19,20	-	-	3.32	-	.45	5	24	19	0	0	0	0	2	8	-	-	-	
	Swanage	9 9 9	34	49.4	39.4	44.4	-	55	25,26	29	16	-	47.3	-	-	-	-	-	-	2	-	0	0	1	7	7	-	2.71	-
Somerset	Weymouth	9 9 9	16	50.4	40.7	45.5	+3.0	58	25	29	16,19	-	-	3.98	184	.59	23	22	19	0	0	1	0	0	5	-	2	3.12	110
	Chivenor	21-9 9	20	50.0	40.7	45.3	-	55	9	29	19	-	-	5.06	-	.75	23	25	25	3	0	3	0	1	2	5	2	3.21	-
Devon	East Budleigh	9 9 9	64	49.5	37.6	43.5	-	55	1,25	25	19	-	-	4.35	-	.80	7	25	20	2	0	0	0	0	8	10	3	-	-
	Exeter	21-9 9	106	49.7	39.0	44.3	-	56	25	24	19	-	-	4.74	-	.72	7	23	22	2	0	3	0	2	6	9	0	2.71	-
Somerset	Exmouth	9 9 9	195	48.8	39.6	44.2	+2.4	54	24	27	19	-	-	4.97	-	.81	7	23	21	1	0	0	0	0	6	-	0	2.99	111
	Hartland Pt.	21-9 9	298	47.9	42.0	44.9	-	54	4,5	33	19	-	-	5.21	-	.58	14	24	21	1	0	6	1	1	0	0	0	3.11	-
Devon	Ilfracombe	9 9 9	25	49.4	42.1	45.7	+2.4	54	3,4,5	32	19	45.2	47.5	5.26	190	.67	23	23	20	0	0	0	0	0	1	7	-	3.25	134
	Newton Abbot	9 9 9	272	49.8	38.6	44.2	+2.6	57	25	28	19	-	-	6.38	211	1.17	7	24	20	1	0	1	0	1	6	9	-	2.77	103
Somerset	Paignton	9 9 9	8	50.5	39.5	45.0	-	56	25	29	18,19	-	-	6.52	-	.95	7	25	21	0	0	0	0	1	7	-	-	2.54	97
	Plymouth (Mount Batten)	21-9 9	87	49.4	41.0	45.2	+2.0	54	25	29	19	-	-	6.05	204	.63	11	24	20	2	0	9	1	1	4	9	-	3.06	113
Devon	Plymouth (The Hoe)	9 9 9	119	50.0	41.0	45.5	+2.4	55	2,3,25	30	19	45.2	47.2	5.97	201	.69	11	26	20	1	0	4	1	1	4	6	3	3.20	117
	Princetown	9 9 9	1359	43.7	35.8	39.7	-	48	1,5,25	24	19	-	-	12.21	162	2.57	7	25	25	4	3	3	2	5	7	9	-	-	
Somerset	Sidmouth	9 9 9	25	49.6	39.4	44.5	+2.3	57	25	29	19	-	-	4.74	-	.65	7	24	22	0	0	0	0	0	6	7	-	3.06	-
	Starcross	9 9 9	29	50.0	38.9	44.5	-	57	25	25	19	-	-	5.32	-	.78	7	24	20	1	0	2	0	0	5	10	-	3.10	-
Devon	Tavistock	9 9 9	457	48.7	38.6	43.7	+2.4	55	25	26	19	-	-	7.55	186	1.26	6	25	23	2	0	3	1	0	5	12	-	-	
	Teignmouth	9 9 9	20	50.6	41.2	45.9	+2.7	57	25	30	19	-	-	5.71	215	.82	7	24	21	1	0	2							

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Monthly Weather Report

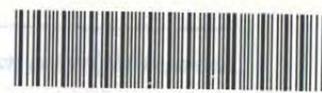
OF THE METEOROLOGICAL OFFICE

M.O. 625

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 3

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6376 7

March 1957—*Very mild and rather dull*

Almost the entire month was characterised by high pressure to the east of the British Isles and low pressure on the Atlantic with a pronounced thermal ridge over the country at 500 mb. Unusually mild weather was maintained throughout the month by a persistent south-westerly airstream which brought a number of fronts of varying intensity over the country from the Atlantic, but the associated depressions kept mainly to the west and north of the British Isles.

The opening days of the month were rather cool in Scotland and Northern Ireland, where there was some occasional light snow, but were mainly mild, dry and rather foggy in England and Wales except in eastern coastal districts. Afternoon temperatures on the 3rd reached 60°F. in places although there was fairly widespread frost at night—at Cardington temperature fell to 25°F. in the screen and to 18°F. on the grass during the early hours of the 4th. Fog was extensive and locally dense on the 4th and 5th, especially in the Midlands, where it persisted throughout the day in many places. From the 5th to the 9th, weather was generally cloudy with rain at times, which was locally heavy. During this period Eskdalemuir recorded a fall of 0.83 in. in 12 hr. on the 8th, but the area of greatest rainfall was in South Wales and south-west England where several stations measured for the 9th a 24 hr. fall of over 1 in. An influx of warm dry air from Spain the following day began a period of summer-like weather which lasted until about the 13th. Temperatures rose sharply into the sixties on the 11th. The 12th was warmer still with afternoon temperatures exceeding 70°F. at a number of places in both England and Scotland and reaching 74°F. at Haydon Bridge in the upper Tyne Valley. The unusually high March temperature of 69°F. was recorded at Cape Wrath. During the two days 12th and 13th parts of England enjoyed 15 hr. of sunshine. A marked change occurred on the 14th as a warm front, associated with a complex Atlantic depression, spread across the country accompanied by widespread, locally heavy, rain. Several stations in Scotland, in Wales, and also in the Midlands, recorded more than 1 in. of rain in 24 hr. for the 15th and more than 2 in. fell in this time at Achnashellach and Glenbranter, while Cape Wrath registered the exceptional total of 3.27 in. in 36 hr. from the evening of the 14th to the morning of the 16th. A quasi-stationary depression to the south of Iceland, associated with a pronounced cold trough, deepened considerably on the 20th and gave rise to a temporary influx of cooler air into the British Isles. Winds reached gale force in many places and there were local thunderstorms with showers in all areas which were heavy in the north and west and of snow over high ground in Scotland. By the 23rd an anticyclone again became established over Scandinavia and there was an increasing tendency for thundery rain as a depression moved towards the Bay of Biscay. Thunderstorms developed fairly widely in a westerly airflow as a cold front crossed the country on the 26th, and on the 27th and 28th rain areas, associated with waves on a quasi-stationary front, moved across southern England. Warm air from Spain spread temporarily northwards over the country, but as an anticyclone moved southwards from Scandinavia a cool south-easterly airstream spread to all but south-western districts of the British Isles during the last two days of the month.

Pressure and Wind. Pressure was everywhere below the average; the deficit at 9 h. ranged from 2.7 mb. at Gorleston to 7.8 mb. at Aldergrove. Winds were generally light and mainly between south and south-east until the 12th (except for a short period of south-westerly winds around the 8th). South-westerly and somewhat fresher winds predominated from 13th to 21st, becoming rather variable, but mainly southerly, until

the 28th, while south-easterlies prevailed during the last three days of the month. In Scotland wind reached gale force locally in the east and south on the 14th, 17th and 20th, and on the 16th, 21st, 23rd and 24th in the extreme north. In England and Wales gales occurred on the 13th, 16th–21st inclusive and on the 31st; they were widespread on the 20th when wind reached 65 kt. in gusts at Bidston Observatory.

Temperature. Mean temperature was unusually high and differed from the 1921–50 average by +5.6°F. in England and Wales, +4.5°F. in Scotland and +5.3°F. in Northern Ireland. It was the third mildest March in Scotland since systematic recordings began in 1856, and the mildest in England and Wales this century, while at Kew it was the mildest March since records began in 1871.

Extreme temperatures for the month included:—(England and Wales) 74°F. at Haydon Bridge on the 12th, 22°F. at Kielder Castle on the 1st; (Scotland) 72°F. at Elgin and Gordon Castle on the 12th, 19°F. at Halkirk on the 4th; (Northern Ireland) 64°F. at Hillsborough on the 12th, 28°F. at Ballykelly on the 27th and 28th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 102 over England and Wales, 115 over Scotland and 109 over Northern Ireland. More than 150 per cent. of the average was recorded over Devon and Cornwall, over South Wales including the Brecon Beacons, over Ayrshire south of the Moray Firth and over the south-eastern part of Co. Down (Ireland). Less than the average was recorded over much of southern England south of a line from Bristol Channel to Lowestoft, over a narrow belt from Hereford to Merseyside, over much of northern and north-eastern England including the Lake District and the eastern Pennines, over eastern Scotland and over the northern part of Northern Ireland. Less than half the average occurred locally in south-east England.

Among the falls of 2 in. or more in 24 hr. were:—

- 9th 2.24 in. at Maesteg (Welfare Park), Glamorganshire.
- 15th 2.50 in. at Loch Houran (Kinlochouran), Inverness-shire.
- 19th 2.67 in. at Swansea Waterworks (Cray Reservoir No. 1), Brecknockshire.

There was practically no thunder in Scotland, but thunderstorms occurred over a wide area in England and Wales on the 20th, and fairly extensively on the 26th and thunder was heard locally on the 17th, 23rd and 25th.

Snow and sleet occurred in Scotland on the 3rd and 4th and locally around the 16th, 21st and 26th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 82 over England and Wales, 62 over Scotland and 57 over Northern Ireland. The month was very cloudy, many places having a deficiency of 40–50 hr. At Kilmarnock it was the dullest March since before 1908.

Fog. Fog was reported on 17 days in Scotland and every day somewhere or other in England and Wales except on the 21st. It persisted throughout the day at many places on the 4th and 5th. At Huddersfield fog was reported on 14 days and persisted during the afternoon on 10.

Miscellaneous Phenomena. The aurora was observed on 13 nights in Scotland. A very bright display was seen from Exeter early on the 3rd and on the night of the 27/28th it was seen extensively in Northern Ireland and in England as far south as Marham and Defford.

MWR dup

TABLE I—DISTRICT VALUES—MARCH, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	69	19	+4.0	+4.8	+4.3	—	—	138	-1	64
Eastern										
1 SCOTLAND, E.	72	24	+4.1	+5.2	+4.7	—	—	105	0	66
2 ENGLAND, N.E.	74	22	+4.3	+5.2	+4.8	+4.8	+2.1	88	-3	81
3 ENGLAND, E.	69	24	+5.0	+6.5	+5.8	+4.1	+1.6	92	0	87
4 MIDLAND COUNTIES	69	26	+5.5	+6.1	+5.8	+4.6	+2.1	107	0	83

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	68	24	+5.1	+6.5	+5.8	+4.6	+2.8	73	-2	87
Western										
6 SCOTLAND, W.	67	26	+3.2	+5.6	+4.4	+4.3	+1.8	124	+4	57
7 ENGLAND, N.W. (and N. Wales)	73	28	+5.5	+6.0	+5.7	+4.4	+1.5	97	0	83
8 ENGLAND, S.W. (and S. Wales)	71	27	+4.7	+6.5	+5.6	+4.9	+2.1	125	+2	73
NORTHERN IRELAND	64	28	+4.0	+6.6	+5.3	—	—	—	+4	57

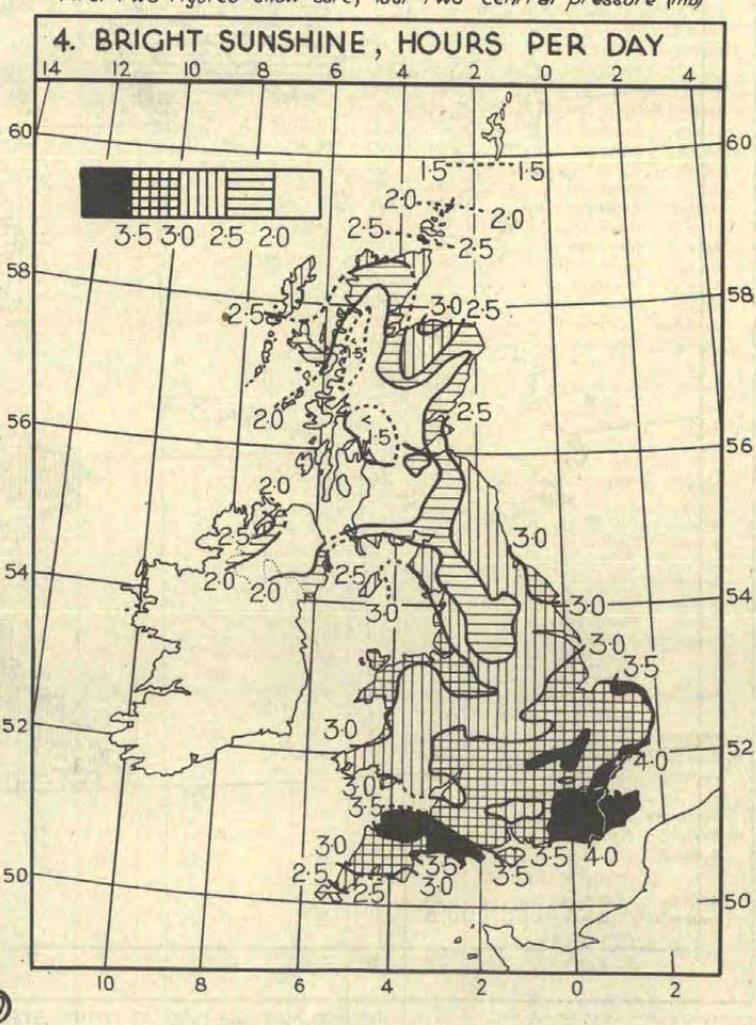
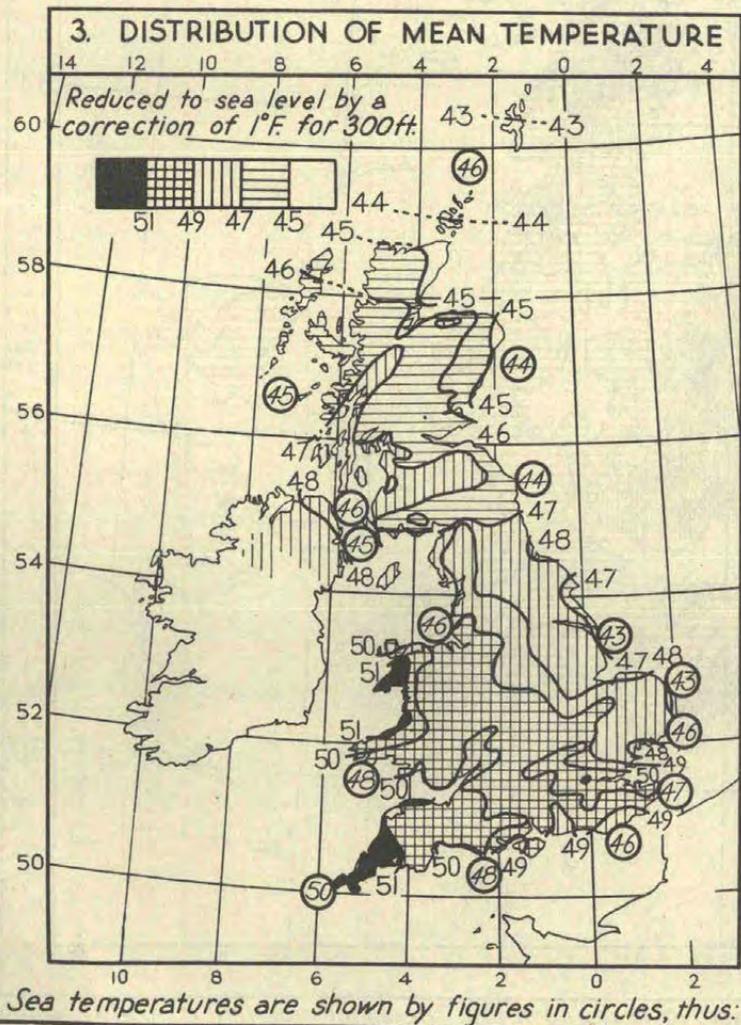
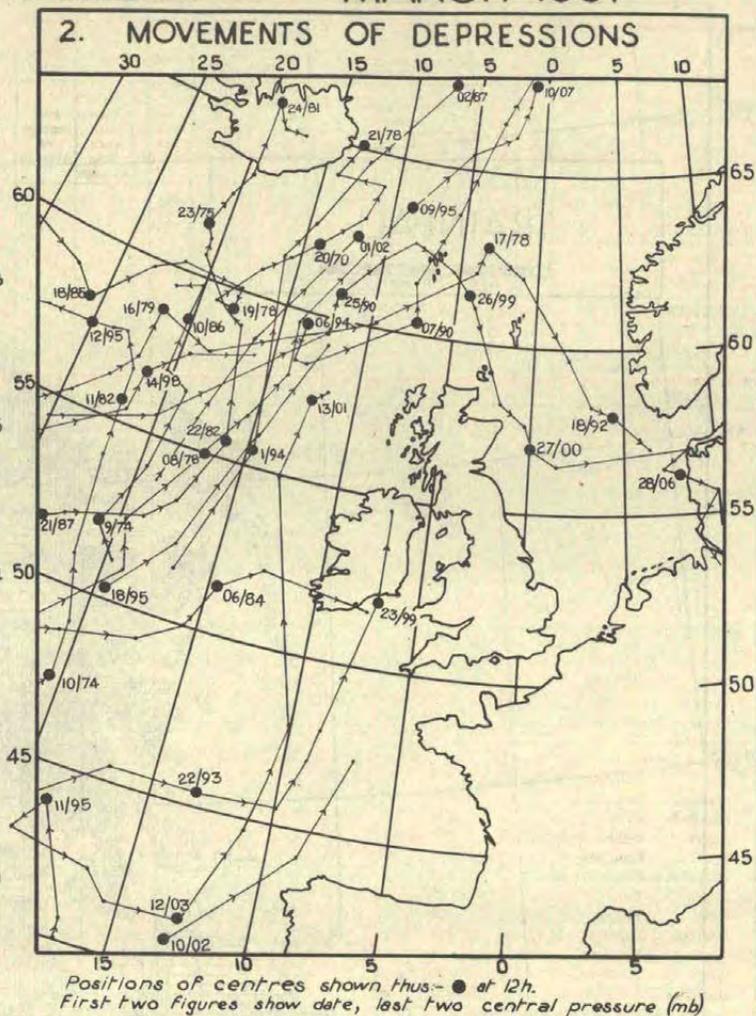
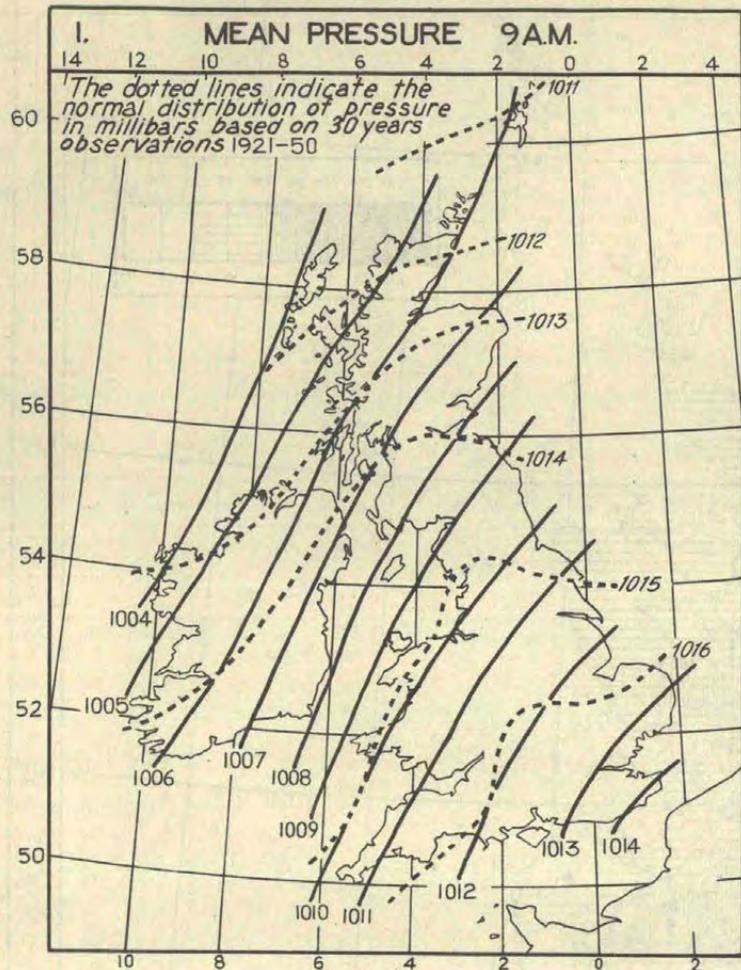
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—MARCH, 1957

[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	Highest Hourly Wind			Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Veer from N.		Speed	Hour ended at	Speed	Day and Time			
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.		
SCOTLAND																			
0 Shetland Lerwick	310	53	37	23,24	10	20	134	415	171	14	0	15.8	150	38	24	06	53	24	0735
Orkney Grimsetter																			
Caithness Halkirk																			
Ross & Cromarty																			
Stornoway (Coastguard)	120	40	36	1,20,21	5	13	90	301	240	108	0	12.0	230	39	21	01	56	21	0110
Inverness Benbecula	69	51	35	1,21	4	18	133	390	148	69	0	14.5	160	35	1	17	52	1	1805
1 Aberdeen Dyce	225	40	40	—	0	5	10	280	272	182	0	8.4	280	26	17	14	37	17	1340
Angus Bell Rock Lighthouse	128	131	124	—	0	2	9	210	276	249	0	7.5	230	29	17	12	45	17	1315
Fife Leuchars	79	41	41	—	0	2	9	210	276	249	0	7.5	230	29	17	12	45	17	1315
Midlothian Edinburgh	485	39	23	—	0	5	17	149	246	332	0	6.0	180	29	2	01	48	19	1950
6a Argyll Tiree	89	60	47	—	0	15	108	416	191	29	0	14.5	220	33	17	08	53	17	0650
Bute Millport	50	34	34	*	0	1	5	88	403	248	0	6.0	260	24	14	06	51	14	0700
Renfrew Paisley	188	81	31	—	0	7	16	250	401	77	0	9.4	190	25	19	20	42	16	2055
Renfrew	71	41	39	—	0	0	0	108	385	251	0	5.7	270	20	17	13	37	21	0430
Ayr Prestwick	80	50	40	—	0	6	29	171	276	268	0	7.2	190	28	19	20	48	20	1730
Dumfries Eskdalemuir	825	50	35	—	0	6	29	171	276	268	0	7.2	190	28	19	20	48	20	1730
ENGLAND and WALES																			
6b Isle of Man Point of Ayre	70	40	35	20	1	8	43	387	251	62	0	11.8	250	39	20	16	55	20	1545
2 Durham Durham	399	53	33	—	0	2	17	262	326	139	0	8.9	220	32	20	18	55	20	1315
South Shields	73	57	44	—	0	2	8	210	357	169	0	7.9	255	27	17	13	46	17	1230
Yorks., N.R. Linton-on-Ouse	73	27	33	—	0	0	0	182	435	127	0	7.6	270	20	17	14	54	20	1445
Yorks., E.R. Spurn Head	64	44	34	—	0	3	21	244	366	91	22	9.6	220	29	20	17	58	20	1800
Lincoln Cranwell	288	47	47	—	0	3	21	244	366	91	22	9.6	220	29	20	17	58	20	1800
3 Norfolk Gorleston	52	42	34	—	0	3	9	332	296	96	11	10.0	190	31	20	10	45	20	1015
Suffolk Felixstowe	85	75	65	—	0	1	6	229	321	188	0	8.0	210	29	20	10	45	20	0925
Mildenhall	98	83	60	—	0	0	0	182	435	127	0	7.6	270	20	17	14	54	20	1445
Bedford Cardington	285	150	135	17,20	3	5	51	223	326	141	0	9.7	310	35	20	16	53	20	1515
Dunstable	567	55	33	—	0	2	3	229	426	86	0	8.6	240	23	20	14	39	20	1355
Herts. Stevenage	564	111	65	—	0	2	13	340	334	57	0	10.3	250	25	17	20	43	17	1945
Essex Shoeburyness	115	104	89	20	3	4	33	449	247	12	0	13.1	210	37	20	10	49	20	0820
4 Warwick Birmingham	643	118	73	—	0	1	5	115	534	90	0	7.2	230	25	20	17	55	20	1230
Stafford Keele	706	50	40	—	0	2	8	237	369	130	0	8.4	220	27	20	16	56	20	1630
Gloucester Avonmouth	92	61	33	—	0	4	29	245	269	178	23	9.0	240	30	20	14	53	20	0550
5 London Kingsway	231	160	40	—	0	0	0	88	430	226	0	5.8	270	18	17	21	35	17	2015
Middlesex Hampton	139	101	100	—	0	2	3	184	418	129	10	7.8	250	22	20	13	52	20	1420
Surrey Croydon	313	105	70	—	0	3	5	187	297	255	0	6.7	180	24	20	09	42	20	0635
Kew Observatory	92	75	50	—	0	0	0	238	393	113	0	8.3	190	21	20	09	44	20	1410
Dover	66	36	60	—	0	1	5	196	253	267	23	6.6	220	25	20	16	53	20	1620
Dungeness	70	50	33	—	0	1	3	275	406	60	0	9.0	240	23	20	13	30	20	1405
Isle of Grain	48	40	33	—	0	2	12	259	279	133	61	8.8	300	27	20	09	46	20	0815
7 Sussex Thorney Island	75	65	42	—	0	1	4	187	399	154	0	7.7	250	24	20	15	47	20	1450
Hants. S. Farnborough	318	69	35	—	0	0	0	145	356	243	0	6.1	250	21	20	12	39	20	1505
Berks. Abingdon	250	40	40	—	0	3	20	288	325	111	0	9.5	240	27	20	15	46	20	1555
Wiltshire Larkhill	491	51	36	—	0	1	6	190	407	131	10	7.8	250	24	20	15	44	20	1135
Porton	406	44	44	—	0	3	24	222	369	129	0	8.5	190	29	20	06	40	20	0539
7a Cumberland Sellafield	83	39	35	*	0	0	0	238	393	113	0	8.3	190	21	20	09	44	20	1410
Westmorland Moor House	1960	50	45	13-15,17,20	11	12	123	366	178	63	3	14.5	270	41	13	24	62	20	1740
Lancashire Fleetwood	112	50	31	—	0	4	18	381	292	53	0	11.3	240	30	20	16	61	20	1525
Southport	63	45	36	20	1	6	41	230	377	95	0	9.4	210	34	20	16	45	20	1525
Speke	180	100	65	20	4	10	49	444	180	67	0	13.0	250	40	20	16	57	20	1530
Cheshire Bidston Observatory	262	64	39	—	0	6	20	371	297	56	0	—	250	30	20	16	65	20	1512
Manchester Airport	318	70	30	—	0	2	11	388	301	44	0	11.0	230	30	20	17	58	20	1615
7b Anglesey Holyhead (Valley)	76	50	40	20	2	11	68	295	231	148	0	11.0	240	39	20	15	58	20	1416
8a Cardigan Aberporth	483	41	41	—	0	13	63	420	215	46	0	13.1	250	33	20	16	56	20	1455
Pembroke Kete	249	49	37	—	0	4	17	338	338	51	0	10.8	260	29	20	13	50	20	1510
Milford Haven	246	50	35	—	0	2	13	327	321	59	24	10.4	240	29	20	15	49	20	1030
Glamorgan Port Talbot	91	40	35	20	0	8	69	405	224	46	0	12.9	130	28	11	21	47	20	0437
8b Devon Plymouth	191	88	65	20	2	7	38	382	305	17	0	12.2	—	35	20	03	44	20	0250
Cornwall The Lizard	315	75	6																

MONTHLY WEATHER CHARTS

MARCH 1957



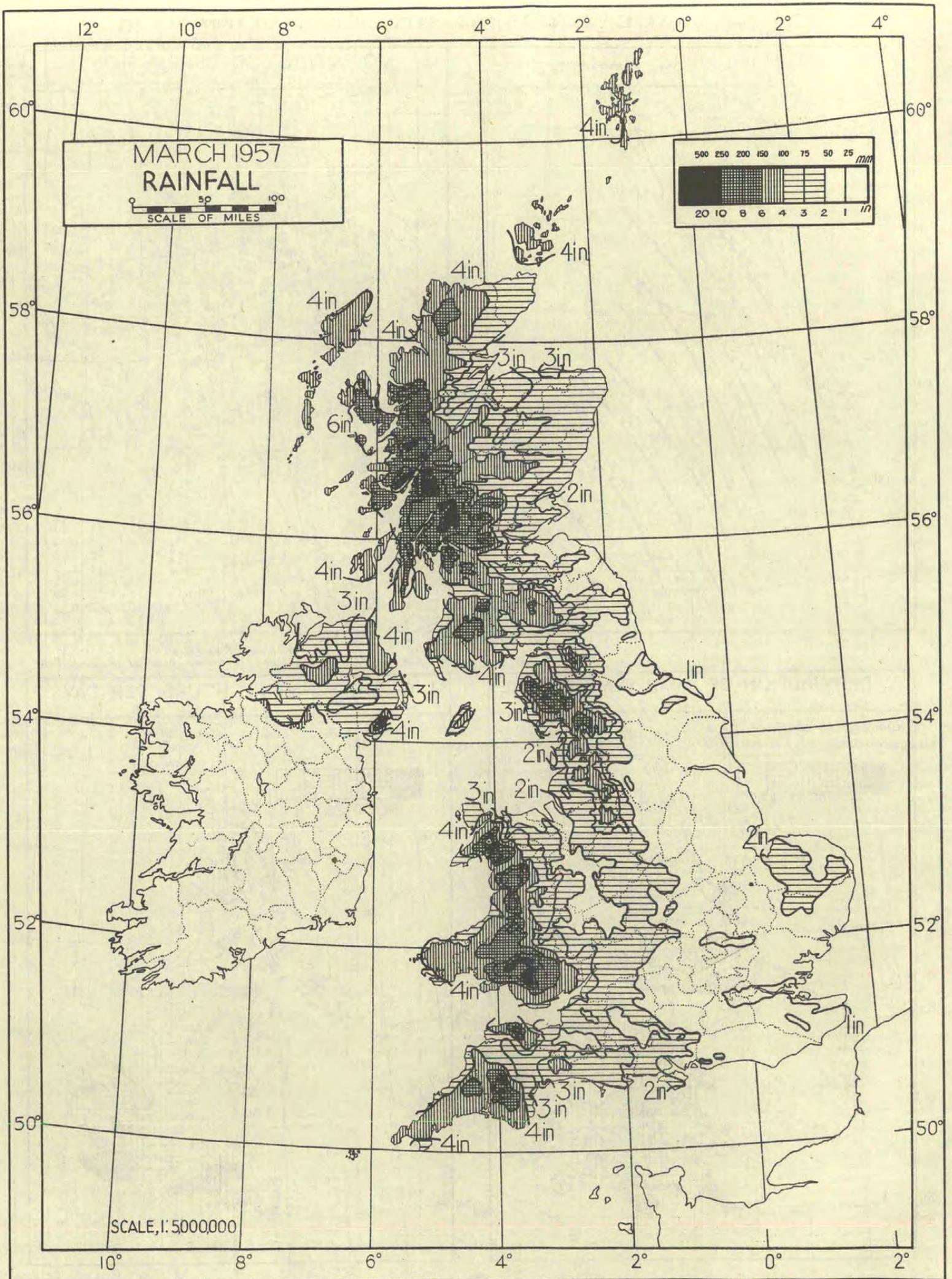


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

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		Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precipitation for more than 0.01 in. (0.2 mm.) or more	Snow or Sleet	Snow lying	Fog (9h. G.M.T.)	Thunder heard	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date														
			°F.	°F.	°F.	°F.	°F.	Date	°F.	Date	in.	%	in.	Date	in.	%	hr.	%												
0 SCOTLAND, N.																														
Shetland	Baltasound ..	9 9 9	78	46.4	38.9	42.7	-	51	12	29	5	41.2	-	5.34	-	1.01	20	22	14	1	0	2	0	4	2	-	3	1.45	-	
	Lerwick Obs'y. †	21-9 9	269	45.3	39.8	42.5	+3.5	51	2, 12	29	4	-	-	4.37	138	.98	16	19	13	3	1	1	0	7	2	2	2	1.27	43	
Orkney	Grimsetter ..	21-9 9	84	47.9	39.6	43.7	-	55	2	29	4	-	-	4.47	-	1.01	15	19	14	3	0	2	0	0	0	1	2	3	2.32	-
	Sule Skerry ..	9 9 9	43	46.4	41.6	44.0	-	51	12	35	4	-	-	4.65	-	1.54	15	19	11	0	0	0	0	0	0	0	1	-	-	-
Caithness	Halkirk (Olgrinbeg)	9 9 9	232	50.0	34.2	42.1	-	61	11	19	4	-	-	3.61	-	1.15	14	17	13	0	-	-	-	1	10	21	-	-	-	
	Wick .. †	21-9 9	119	48.4	39.9	44.1	+3.5	57	12	26	4	-	-	3.48	153	.93	15	16	13	0	0	0	0	0	1	4	0	2.90	81	
Sutherland	Cape Wrath ..	21-9 9	367	49.8	41.9	45.9	-	69	12	35	4, 5	-	-	5.33	-	1.84	14	17	14	1	0	1	0	1	0	1	0	-	-	-
	Lairg (Achany) ..	9 9 9	240	51.9	37.8	44.9	-	65	12	30	4	41.4	40.7	3.70	-	1.26	15	20	16	0	0	0	0	1	4	18	0	-	-	
	Strathy ..	9 9 9	120	52.0	37.7	44.9	-	66	12	22	4	-	-	3.61	-	1.11	15	19	16	2	0	0	0	0	1	-	0	2.57	-	
Ross & Cromarty	Achnashellach ..	9 9 9	225	52.3	39.7	46.0	+4.9	68	12	28	5	-	-	7.54	111	2.30	15	22	18	2	0	0	0	0	2	-	0	-	-	
	Fortrose ..	9 9 9	69	49.5	41.5	45.5	-	60	12	37	6, 29	-	-	2.67	-	.63	15	19	15	0	0	0	0	0	0	0	0	2.09	59	
Inverness	Kinlochewe ..	9 9 9	82	52.9	-	-	-	69	12	-	-	-	-	5.87	-	1.12	15	22	19	1	0	1	0	0	0	7	0	0.99	-	
	Stornoway †	21-9 9	11	50.0	41.5	45.7	+3.7	59	12	26	5	-	-	4.17	-	.83	15	23	16	0	0	1	0	1	1	2	2.66	79		
	Tarbatness ..	21-9 9	60	49.0	41.0	45.0	-	56	10, 12, 16	37	4, 6, 7	-	-	2.72	-	.66	15	16	11	0	0	0	0	0	0	0	0	-	-	
	Benbecula ..	21-9 9	18	49.8	43.5	46.7	-	60	12	33	4, 5	-	-	5.30	-	.64	15	22	19	0	0	2	0	1	0	0	4	2.40	-	
	Cannich ..	9 9 9	350	52.3	37.0	44.7	-	65	12, 13	26	28	-	-	3.43	-	.89	15	22	16	0	0	0	0	0	5	10	0	-	-	
	Dalwhinnie ..	18-9 9	1176	47.8	37.6	42.7	-	61	12	27	29	-	-	3.94	104	.58	15	24	17	2	1	0	0	0	3	2	0	1.87	-	
	Duntulm ..	9 9 9	294	51.0	42.4	46.7	-	63	12	34	5	-	-	5.24	119	.77	15	27	19	1	0	0	0	2	0	1	0	2.51	-	
	Ft. Augustus ..	8 8 8	70	53.3	41.1	47.2	+6.0	67	12	32	22	-	-	3.66	101	1.08	16	19	17	0	0	0	0	0	1	-	0	2.08	-	
	Ft. William †	9 9 9	34	54.3	42.1	48.2	+6.1	65	12	37	4, 21, 25	45.0	43.9	8.14	121	1.56	15	25	22	0	0	0	0	0	0	0	0	1.42	508	
	Glenmore Lodge	9 9 9	1000	50.0	36.6	43.3	-	65	12	26	29	-	-	3.63	-	1.51	26	15	9	4	-	0	0	0	7	14	0	2.81	-	
Inverness †	9 9 9	242	51.4	40.5	45.9	+4.8	65	12	34	29	-	-	3.10	141	.67	15	19	18	0	0	0	0	0	0	2	0	2.26	65		
Kincraig ..	9 9 9	780	50.6	37.2	43.9	-	66	12	25	29	-	-	2.78	-	.59	26	18	13	-	0	-	-	0	6	10	-	-			
Onich ..	9 9 9	48	51.7	42.5	47.1	-	66	12	37	18, 25	-	-	9.47	144	1.86	15	24	24	-	0	-	-	1	0	0	-	1.67	568		
1 SCOTLAND, E.																														
Nairn	Nairn .. †	9 9 9	20	52.2	40.9	46.5	+4.9	64	12	32	29	-	-	3.11	180	.87	26	19	14	0	0	0	0	0	1	8	0	2.54	70	
Moray	Elgin ..	9 9 9	92	52.9	41.5	47.2	-	72	12	34	29	-	-	2.52	-	.73	26	14	10	-	0	-	-	0	0	0	-	3.10	-	
	Findhorn ..	21 21 9	20	52.1	40.6	46.3	-	66	12	33	29	-	-	3.14	-	.95	26	18	10	0	0	0	-	0	1	0	-	-		
	Forres ..	9 9 9	155	52.7	40.3	46.5	-	69	12	34	4	43.0	41.8	2.94	-	1.02	26	15	11	0	0	0	0	0	0	1	0	3.13	-	
	Gordon Castle ..	21 21 9	104	52.4	41.2	46.8	+5.2	72	12	35	4	-	-	2.74	118	1.07	26	18	8	0	0	0	0	0	0	0	0	2.97	838	
Banff	Kinloss ..	21-9 9	15	52.5	40.1	46.3	-	68	12	30	29	-	-	3.07	-	.95	26	18	12	0	0	0	0	1	5	0	2.80	-		
	Banff ..	9 9 9	130	50.3	41.2	45.7	+4.3	64	12	36	5, 25	-	-	2.89	134	.73	15	15	13	0	0	0	0	0	0	0	0	2.48	68	
Aberdeen	Glenlivet ..	9 9 9	1085	49.4	36.6	43.0	-	67	12	24	29	39.1	-	2.87	-	1.01	26	16	8	2	0	0	0	0	3	17	0	2.59	-	
	Aberdeen ..	9 9 9	170	49.7	40.3	45.0	-	61	16	33	25	-	-	2.25	-	.82	26	15	9	0	0	0	0	0	3	0	2.24	-		
	Balmoral ..	9 9 9	927	48.9	37.1	43.0	+5.5	66	12	28	29	-	-	1.97	69	.60	26	17	9	-	0	-	-	4	5	-	-			
	Braemar ..	21 21 9	113	48.5	36.5	42.5	+5.2	63	12	28	29	-	-	2.29	77	.64	26	15	10	0	0	0	0	0	5	5	0	1.88	-	
	Craigstone †	9 9 9	300	49.6	39.5	44.5	+4.3	61	16	32	25	41.8	40.7	2.24	85	.84	26	13	11	0	0	0	0	1	2	0	2.25	60		
	Dyce ..	21-9 9	185	50.2	39.6	44.9	-	63	16	31	25	-	-	2.28	87	.89	26	13	9	1	0	0	0	2	1	3	0	2.32	-	
	Huntly ..	9 9 9	405	50.5	38.9	44.7	-	69	12	33	4	-	-	2.50	-	.77	15	18	9	1	0	0	0	0	0	4	0	-		
	Logie Goldstone	9 9 9	608	51.0	37.4	44.2	+5.1	68	12	29	25	-	-	2.31	89	1.05	26	18	9	0	0	0	0	3	-	0	-			
	Ratray Head ..	21-9 9	85	48.0	40.0	44.0	-	61	16	32	21, 22	-	-	2.02	-	.70	16	20	12	0	0	0	0	3	2	0	2.24	-		
	Udny ..	9 9 9	363	49.3	38.1	43.7	-	61	16	30	28	-	-	2.24	-	.85	15	17	10	0	0	0	0	4	1	3	0	2.00	-	
Kincardine	Fettercairn ..	9 9 9	560	48.4	38.5	43.5	-	57	12, 14, 16	31	1	-	-	3.54	-	.93	26	22	16	0	0	0	0	8	1	8	0	2.33	-	
	Muchalls ..	9 9 9	210	48.5	39.7	44.1	-	60	16	34	1, 5	-	-	2.13	-	.76	26	16	9	0	0	0	0	4	0	5	0	-		
Angus	Stonehaven ..	9 9 9	12	50.8	39.4	45.1	-	60	16	32	1, 25	-	-	2.21	-	.60	27	17	12	-	0	-	-	8	2	0	2.19	-		
	Arbroath ..	9 9 9	95	48.8	39.9	44.3	+3.0	56	16	35	1, 25	-	-	2.05	107	.53	26	18	14	0	0	0	0	4	0	1	0	2.41	62	
	Buddon Ness ..	9 9 9	15	49.2	38.5	43.9	-	56	16	28	1	-	-	2.04	102	.40	26	21	13	0	0	0	1	3	-	0	-			
	Carnoustie ..	9 9 9	16	49.7	40.6	45.1	-	57	16	34	1	43.9	-	2.14	-	.48	26	22	14	0	0	0	0	3	0	7	0	2.25	-	
	Dundee .. †	9 9 9	147	50.3	40.4	45.3	+4.1	58	16	34	1	43.1	-	2.07	112	.26	15, 26	22	14	0	0	0	0	0	0	3	0	2.28	67	
	.. (Mylnefield)	9 9 9	100	50.																										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum					Date	Amount												Date			
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
6a SCOTLAND, W.																														
Argyll	Colonsay	9 9 9	87	52.0	41.4	46.7	-	58	12,31	36	21,24,28	-	-	5.36	147	.80	24	26	24	-	-	-	-	-	-	0	-	-	-	-
	Dunoon (Benmore)	9 9 9	46	53.1	39.5	46.3	-	61	11,12,13	32	4	43.9	42.9	9.66	-	1.70	14	28	24	0	0	1	0	8	1	1	0	-	-	
	Dunoon Water Works	9 9 9	228	51.5	42.3	46.9	-	60	12,13	36	5	-	-	10.01	-	1.57	15	27	23	-	0	-	-	2	0	-	0	-		
	Glenbranter	9 9 9	120	50.5	41.8	46.1	44.7	61	12	34	21	-	-	9.16	-	2.09	15	24	22	0	0	0	0	6	0	3	0	-		
	Loch Fyne (Lephinmore)	9 9 9	30	51.4	43.0	47.2	-	63	12	36	21	-	-	7.01	-	1.52	15	27	25	0	0	0	0	1	0	1	0	1.73	-	
	Tiree	21-9 9	29	49.4	43.6	46.5	43.4	54	12	37	28	-	-	4.69	140	.58	15	24	22	0	0	2	0	0	0	2	0	1.92	51	
Bute	Millport	9 9 9	16	50.9	43.8	47.3	-	60	12	39	5,21,27	-	-	4.52	-	.72	15	23	18	-	0	-	-	0	0	-	-	-	-	
	Rothsay	2121 9	200	49.6	40.9	45.3	43.2	60	12	36	5,26,27	44.5	43.6	5.78	161	.69	15	23	23	0	0	0	0	0	0	1	0	-	-	
Dumbarton	Helensburgh	9 9 9	293	49.9	41.1	45.5	44.1	61	12	35	5	-	-	6.65	162	.95	15	25	23	2	0	0	0	0	0	-	2	1.31	42	
Stirling	Falkirk	9 9 9	100	52.1	40.3	46.2	-	64	13	33	1	-	-	4.64	-	1.30	13	22	20	0	0	0	0	3	0	-	-	-		
	Stirling	9 9 9	151	52.0	41.5	46.7	44.6	62	12	36	4,5	43.4	42.4	3.29	122	.50	19	21	14	0	0	0	0	0	0	0	-	-		
Renfrew	Barrhead	9 9 9	97	51.8	41.4	46.6	-	65	12	35	29	-	-	4.75	-	1.07	19	25	19	0	0	1	0	1	0	0	-	-		
	Greenock	9 9 9	200	51.1	42.4	46.7	44.5	63	12	36	5,21	-	-	5.95	128	.94	15	25	20	0	0	0	0	3	0	0	1.31	-		
	Paisley	2121 9	106	52.2	43.3	47.7	45.0	65	12	37	21	44.9	44.5	4.06	128	.78	19	23	19	0	0	1	0	0	0	0	1.48	51		
	Renfrew	21-9 9	26	51.9	42.5	47.2	45.3	66	12	36	27	-	-	3.56	127	.71	19	22	17	1	0	0	0	3	0	1	1.64	55		
Lanark	Carnwath	9 9 9	706	50.5	39.6	45.1	-	65	12	32	25	-	-	2.67	-	.45	19	23	14	0	0	1	0	0	1	8	0	-		
	Coalburn	9 9 9	920	49.5	38.4	43.9	-	62	11,12	31	5	41.5	-	4.83	-	.86	19	23	18	0	0	0	0	0	3	7	0	1.79		
	Coatbridge	9 9 9	256	51.7	41.2	46.5	-	67	12	36	25,27	-	-	3.18	-	.71	15	23	14	0	0	1	0	1	0	-	-			
	Glasgow, Spr. Pk.	9 9 9	351	51.0	40.9	45.9	-	65	12	35	1	-	-	4.58	-	.97	19	24	21	0	-	0	0	0	2	0	1.32	-		
	Glengavel	9 9 9	839	49.2	39.6	44.4	-	62	12	32	21	-	-	4.72	-	.90	15	23	17	1	0	0	0	3	1	0	-			
	Leadhills	9 9 9	1270	48.2	38.5	43.3	-	62	12	30	25	-	-	5.46	-	1.15	19	25	18	1	0	3	0	2	5	0	-			
	Thorntonhall	9 9 9	453	50.9	39.9	45.4	-	66	12	34	1	-	-	4.20	-	.89	19	22	19	0	0	1	0	-	0	4	1.68	-		
Ayr	Auchincruive	9 9 9	147	52.2	43.0	47.6	-	65	12	36	21	44.8	43.8	3.39	-	.74	19	18	0	0	2	0	0	0	0	0	1.52	-		
	Colmonell	9 9 9	170	52.0	42.6	47.3	45.0	62	12	35	27	-	-	3.22	95	.89	20	18	15	0	0	1	0	2	0	1	0	-		
	Kilmarnock	9 9 9	115	52.2	42.1	47.1	44.7	65	12	29	6	45.3	43.7	4.48	160	.88	15	18	17	0	0	0	0	1	1	1	1.61	49		
	Largs (Woodbank)	9 9 9	25	51.9	42.9	47.4	-	63	11,12	34	27	-	-	4.37	-	.66	19	21	18	-	-	-	1	0	1	-	-			
	Prestwick	9 9 9	17	51.7	43.9	47.8	-	66	12	39	21	-	-	3.94	169	.79	19	25	17	0	0	2	0	0	0	0	1.84	-		
	Airport	21-9 9	30	52.6	44.0	48.3	-	67	12	38	21	-	-	3.65	-	.78	19	22	16	0	0	1	0	0	0	0	1.78	-		
	Turnberry	9 9 9	25	51.4	41.1	46.3	44.6	64	11	31	1	44.2	43.5	2.56	86	.41	8	19	17	0	-	0	0	1	1	6	1.87	56		
Dumfries	Dumfries	9 9 9	140	51.4	41.1	46.3	44.6	64	11	31	1	44.2	43.5	2.56	86	.41	8	19	17	0	-	0	0	1	1	6	1.87	56		
	Eskdalemuir	21-9 9	794	50.1	38.5	44.3	45.4	67	12	26	1	42.8	42.5	5.30	108	.87	8	23	19	1	0	0	0	3	6	6	2.04	66		
	Ruthwell	9 9 9	95	52.9	40.3	46.6	45.0	66	12	31	1	-	-	2.95	-	.56	8	19	17	-	-	0	0	2	0	0	2.04	62S		
Kirkcudbright	Castle Douglas	9 9 9	196	50.7	38.9	44.8	-	62	11	29	27	44.3	-	2.93	-	.53	8	19	15	-	0	-	4	3	6	-	2.27	-		
	Glennie	9 9 9	181	51.1	40.4	45.7	-	62	12	31	23	-	-	5.54	-	.69	19	20	18	0	0	0	0	4	2	3	0	-		
	Glenloch Barrage	9 9 9	154	50.9	39.5	45.2	-	61	11,12	31	27	-	-	3.72	-	.52	8	18	15	-	0	-	-	2	-	-	-			
Wigtown	West Freugh	21-9 9	50	50.2	43.1	46.7	-	58	12	32	27	-	-	3.32	-	.49	19	22	15	-	-	-	-	1	1	-	2.55	-		
6b ISLE OF MAN																														
Ile of Man	Douglas	9 9 9	284	50.3	42.7	46.5	43.9	58	12	36	27	-	-	3.78	128	.60	19	20	16	0	0	0	0	0	2	2	-	2.70	68	
	Point of Ayre	21-9 9	30	51.9	43.9	47.9	-	62	16	33	27	-	-	2.67	-	.84	29	23	14	0	0	0	0	2	0	-	2.89	-		
	Ronaldsway	21-9 9	55	50.5	44.2	47.3	-	58	12	34	3,27	-	-	2.73	124	.55	19	19	13	0	0	0	0	2	0	3	1	2.50	-	
2 ENGLAND, N.E.																														
Northumberland	Acklington	21-9 9	138	51.1	39.7	45.4	-	65	12	31	1	-	-	2.06	-	.33	8	17	12	0	0	0	0	5	3	7	0	2.59	-	
	Bellingham	9 9 9	849	50.1	38.0	44.1	45.0	66	12	30	1,25	-	-	2.57	87	.28	19	22	16	0	0	0	0	-	3	-	-	-		
	Berwick-on-Tweed	9 9 9	76	50.7	40.8	45.7	44.1	66	12	33	1	-	-	1.86	100	.35	6	16	12	0	0	0	0	2	0	1	0	2.76	73	
	Cockle Park	2121 9	326	51.0	39.1	45.1	44.4	64	12	31	1	42.8	42.8	2.37	102	.46	8	18	14	0	0	0	0	2	1	6	1	2.62	75	
	Haydon Bridge	9 9 9	270	53.2	38.3	45.7	-	74	12	26	25	43.7	43.4	1.81	-	.32	15	21	14	0	0	0	0	2	4	15	0	2.70	-	
	Kielder Castle	9 9 9	660	50.4	36.5	43.5	-	70	12	22	1	41.7	-	2.86	-	.55	19	22	17	0	0	0	0	6	8	13	0	-		
	Ponteland	9 9 9	220	52.1	38.9	45.5	-	64	12	29	25	-	-	1.91	-	.41	8	19	14	0	0	0	0	0	5	11	0	-		
	Tynemouth	21-9 9	108	51.1	42.7	46.9	44.4	64	13	33	1	-	-	1.20	66	.18	6	14	13	0	0	0	0	6	0	5	0	2.77	-	
Durham	Birtley	9 9 9	92	53.7	40.7	47.2	-	67	12	30	23	-	-	1.18	-	.19	6	15	12	0	0	0	0	6	3	6	-	2.		

TABLE III (continued) - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

Table with columns: District, County and Place; Terminal Hours Observation; Height of Station above Mean Sea Level; Air Temperature in Degrees Fahrenheit (Means of A and B, Difference from Average, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather (Precipitation, Snow or Sleet, Snow lying, Hail, Thunder heard, Fog, Air Frost, Ground Frost, Cade); Bright Sunshine (Daily Mean, Percentage of Average).

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average									
			A	B		Mean Temperature Mean of A and B	Maximum	Minimum																	Date	Date	in.	%	in.	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more		
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	hr.	%						
4 MID COUNTIES—cont.																																	
Warwick— Rugby ..	9 9 9	385																															
cont. Shipston on Stour	9 9 9	365	55.1	41.4	48.3	-	68	12,13	32	1,4,25	46.0	-	2.37	-	.40	10	13	12	0	0	0	0	0	0	0	0	0	0	0	-	-		
Stratford on Avon	9 9 9	160	56.3	40.6	48.5	-	66	12	27	4	46.3	-	2.30	-	.68	26	17	12	0	0	0	0	0	0	0	0	0	0	0	0	3.15	-	
Wellesbourne ..	9 9 9	153	56.0	41.5	48.7	-	66	12	28	4	46.3	45.1	1.90	119	.37	9	15	14	0	0	0	0	0	0	0	0	0	0	0	0	3.06	-	
Oxford Oxford ..	9 9 9	208	56.5	42.6	49.5	+5.9	65	11,12,13	28	4	46.6	45.6	1.70	103	.41	9	13	11	0	0	0	0	0	0	0	0	0	0	0	0	3.55	90	
Buckingham Aylesbury ..	9 9 9	316	56.3	42.6	49.5	-	66	11,12	27	4	-	-	.98	-	.17	26	13	9	0	0	0	0	0	0	0	0	0	0	0	0	3.24	-	
Stafford Keele ..	9 9 9	587	53.0	41.1	47.1	-	65	12	32	1	44.5	43.2	2.78	-	.40	9	17	16	0	0	0	0	0	0	0	0	0	0	0	0	3.15	- S	
*Market Drayton	9 9 9	581	53.0	39.4	46.2	-	65	12	30	1	-	-	2.27	-	.29	9	16	15	0	0	0	0	0	0	0	0	0	0	0	0	3.03	-	
Oaken ..	9 9 9	409	54.5	41.5	48.0	-	66	12	30	4	45.3	-	2.02	-	.28	9	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stone ..	9 9 9	350	53.9	41.0	47.9	-	65	12	28	4	-	-	2.05	-	.26	9,19	17	14	0	0	0	0	0	0	0	0	0	0	0	0	2.97	-	
Shropshire Newport ..	9 9 9	211	54.5	40.9	47.7	-	65	12	29	4	-	-	1.80	99	.38	19	17	15	0	0	0	0	0	0	0	0	0	0	0	0	2.77	- S	
Oswestry ..	9 9 9	570	53.6	44.4	49.0	-	65	12	30	3	-	-	2.44	-	.64	19	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	2.87	-
Shawbury ..	21-9 9	235	54.6	41.0	47.8	-	67	12	28	3,4	-	-	1.63	-	.19	19	17	15	0	0	0	0	0	0	0	0	0	0	0	0	2.55	-	
Shrewsbury ..	9 9 9	184	55.4	42.1	48.7	-	67	12	29	4,5	46.7	46.6	1.58	95	.24	19	18	13	0	0	0	0	0	0	0	0	0	0	0	0	2.59	-	
Worcester Defford ..	21-9 9	55	56.5	41.6	49.1	-	66	12	27	3,4	-	-	1.87	-	.33	5	14	12	0	0	0	0	0	0	0	0	0	0	0	0	3.21	-	
Droitwich ..	9 9 9	106	56.5	40.8	48.7	-	66	12	27	3	-	-	1.30	-	.32	9	15	10	0	0	0	0	0	0	0	0	0	0	0	0	2.83	-	
Halesowen ..	9 9 9	505	54.6	40.7	47.7	-	66	12	32	4	45.7	44.3	2.33	-	.46	9	17	14	0	0	0	0	0	0	0	0	0	0	0	0	2.79	-	
Malvern ..	9 9 9	203	56.3	42.4	49.3	+5.7	66	12	29	4	47.0	44.3	2.22	114	.46	9	16	12	0	0	0	0	0	0	0	0	0	0	0	0	3.35	84 S	
Pershore (Institute of Horticulture)	9 9 9	130	56.6	42.6	49.6	-	66	12	29	4	-	-	1.92	-	.39	5	15	12	0	0	0	0	0	0	0	0	0	0	0	0	3.32	-	
Worcester (Redhill)	9 9 9	190	56.3	41.8	49.1	-	67	12	28	3,4	-	-	1.71	105	.36	9	13	12	0	0	0	0	0	0	0	0	0	0	0	0	3.23	-	
Hereford Lyonshall ..	9 9 9	510	54.6	41.3	47.9	-	65	12	30	3	-	-	2.44	-	.52	9	17	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Preston Wynne ..	9 9 9	274	55.6	41.5	48.5	-	66	12	27	4	-	-	1.86	-	.30	9	16	12	0	0	0	0	0	0	0	0	0	0	0	0	3.17	-	
Ross-on-Wye ..	21-9 9	223	56.8	43.5	50.1	+6.5	67	11	29	4	47.2	46.1	2.02	100	.40	19	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	3.17	83
Gloucester Bristol (Filton) ..	21-9 9	192	55.4	43.2	49.3	-	64	12	27	4	-	-	2.99	-	.55	9	15	13	0	0	0	0	0	0	0	0	0	0	0	0	2.84	-	
Cirencester ..	9 9 9	443	54.3	40.8	47.5	-	63	11,12	29	3,4	-	-	2.75	115	.58	9	13	11	0	0	0	0	0	0	0	0	0	0	0	0	3.30	-	
Little Rissington	21-9 9	740	53.5	41.4	47.5	-	62	11,12	32	1,3	-	-	2.66	-	.66	9	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	3.37	-
Ruscombe ..	9 9 9	620	54.3	42.1	48.2	-	63	12	35	1,3,25	-	-	2.37	-	.70	9	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 ENGLAND, S.E.																																	
London Bunhill Row ..	-	-																															
Camden Square ..	9 9 9	110	58.3	44.3	51.3	+6.7	68	12,13	34	3	46.0	45.8	1.05	57	.25	26	12	8	-	-	-	-	-	-	-	-	-	0	7	-	3.10	-	
Greenwich (Maritime Museum)	9 9 9	24	56.8	42.9	49.9	-	66	11,12,13	29	4	-	-	.72	-	.18	17	12	6	-	0	0	0	0	0	0	0	0	0	0	0	0	3.53	-
Hampstead ..	9 9 9	450	55.5	43.3	49.4	+7.0	65	13	36	1,4	-	-	1.27	64	.26	26	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kensington ..	9 9 9	81	57.2	44.8	51.0	+6.3	67	11	34	4	47.6	46.5	1.08	59	.31	26	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kingsway ..	-	-																															
Regent's Park ..	9 9 9	129	57.7	44.6	51.1	-	68	13	34	4	-	-	1.17	-	.28	26	11	9	0	0	0	0	0	0	0	0	0	0	0	0	3.01	101	
Westminster ..	9 9 9	27	57.1	45.0	51.1	+6.1	68	12	33	4	-	-	.99	61	.26	26	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Middlesex Hampton ..	9 9 9	39	57.0	43.6	50.3	-	67	11	30	4	-	-	.93	-	.18	26	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50	-
London Airport ..	21-9 9	82	56.9	42.9	49.9	-	66	11	28	4	-	-	1.00	-	.23	26	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	3.12	-
Southgate ..	9 9 9	221	56.2	42.8	49.5	-	66	13	31	4,5	46.2	-	1.33	-	.31	26	13	8	0	0	0	0	0	0	0	0	0	0	0	0	2.27	-	
Wealdstone ..	9 9 9	175	57.1	42.6	49.9	+6.2	66	12,13	27	4	47.6	46.9	1.45	76	.36	26	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Surrey Addington ..	9 9 9	474	55.5	43.3	49.4	+6.9	67	11	32	4	-	-	.93	-	.19	26	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Croydon ..	21-9 9	201	56.7	43.2	49.9	+6.2	67	11	32	4	-	-	.78	38	.17	26	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	3.73	99
Farnham ..	9 9 9	260	57.5	40.8	49.1	-	65	12	26	4	-	-	1.39	-	.30	19	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kew Observatory	21-9 9	18	56.0	44.2	50.1	+6.2	66	11	31	4	46.9	46.2	1.02	60	.32	26	12	8	0	0	0	0	0	0	0	0	0	0	0	0	3.48	97	
Mickleham ..	9 9 9	179	56.3	41.5	48.9	-	62	1																									

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

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					Highest Maximum and Lowest Minimum					1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	in.	%																	in.	Date	0-01 in. (0.2 mm. or more)	0.01-0.09 in. (0.2-2.3 mm. or more)	1.00 in. (25.4 mm. or more)
			G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	0-01 in. (0.2 mm. or more)	0.01-0.09 in. (0.2-2.3 mm. or more)	1.00 in. (25.4 mm. or more)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	hr.	%
5 ENGLAND, S.E.—cont.																																	
Sussex—cont.	Worthing	9 9 9	25	52.8	45.0	48.9	+5.1	57	24	33	4	47.7	47.2	1.37	71	-.24	6	14	9	0	0	0	0	0	0	0	0	0	3	3.80	80		
Berkshire	Abingdon	21-9 9	210	56.8	42.8	49.8	-	66	12	27	4	-	-	1.36	-	-.28	26	13	10	0	0	0	0	0	0	0	1	3	6	0	3.36	-	
	Finchampstead	9 9 9	212	56.3	40.8	48.5	-	64	12	27	4	-	-	1.23	-	-.31	26	15	10	0	0	0	0	0	0	0	1	5	7	0	3.28	-	
	Hurley	9 9 9	140	56.6	40.7	48.7	-	65	11,12	27	4	46.6	-	1.51	-	-.27	26	13	11	0	0	0	0	0	0	0	4	6	9	0	3.09	-	
	Reading	9 9 9	148	56.6	42.8	49.7	+5.7	65	12,13	29	4	47.0	45.7	1.37	-	-.19	26	14	11	0	0	0	0	0	0	0	1	4	10	0	3.11	-	
	Shinfield	9 9 9	200	56.5	41.9	49.2	+6.2	63	11,12,13	28	4	-	-	1.12	59	-.17	19	14	9	0	0	0	0	0	0	0	1	4	7	0	3.42	-	
	Wokingham	9 9 9	200	56.6	41.6	49.1	-	64	11,12	28	4,5	46.7	45.7	1.04	-	-.21	26	14	8	0	0	0	0	0	0	0	3	4	0	0	-	-	
	Woolhampton	9 9 9	370	55.5	41.0	48.3	-	64	12	26	4	46.3	-	1.55	-	-.28	19	15	12	0	0	0	0	0	0	0	3	3	8	0	-	-	
Hampshire	Alice Holt Lodge	9 9 9	378	52.3	41.2	46.7	-	65	11,12	27	4	-	-	1.69	75	-.39	19	14	11	0	0	0	0	0	0	0	4	3	9	0	2.59	-	
	Blackbushe	21-9 9	325	56.2	43.0	49.6	-	62	12	28	4	-	-	1.43	-	-.37	26	13	10	0	0	0	0	0	0	0	2	1	4	0	-	-	
	Bournemouth	9 9 9	130	53.6	43.7	48.7	+4.4	61	11	31	4	46.9	-	2.55	109	-.52	9	14	13	0	0	0	0	0	0	4	2	5	0	3.45	78		
	Everton	9 9 9	51	53.5	43.6	48.5	-	59	12	33	25	-	-	2.18	-	-.47	9	14	13	0	0	0	0	0	0	1	0	3	2	4	0	3.41	-
	Hayling Island	9 9 9	13	52.4	44.2	48.3	-	56	10,11	32	4	-	-	1.49	-	-.25	6	14	10	0	0	0	0	0	0	1	0	1	0	0	3.39	-	
	Leckford	9 9 9	385	54.3	41.6	47.9	-	61	11,12	27	4	46.2	-	1.76	-	-.31	9	15	9	0	0	0	0	0	0	0	2	2	-	1	2.87	-	
	Long Sutton	9 9 9	512	55.0	-	-	-	61	11,12	-	-	-	-	1.74	-	-.34	19	15	11	0	0	0	0	0	0	0	6	-	5	-	-	-	
	Portsmouth	9 9 9	7	52.9	45.4	49.1	+4.3	57	11	33	4	48.0	47.5	1.57	79	-.31	6	14	9	0	0	0	0	0	0	0	0	4	-	3.31	72		
	Ringwood	9 9 9	250	55.5	43.0	49.3	-	62	12	32	4	46.8	46.1	2.82	-	-.60	25	15	13	0	0	0	0	0	0	3	1	4	0	-	-		
	Southampton	2121 9	65	56.7	43.1	49.9	+5.7	62	12	29	4	-	-	2.06	90	-.44	9	15	12	0	0	0	0	0	0	0	2	1	2	0	3.12	75	
	S. Farnborough	21-9 9	226	55.7	42.3	49.0	+5.7	63	12	24	4	-	-	1.31	66	-.32	26	14	10	0	0	0	0	0	0	0	2	3	7	0	2.74	68	
	Winchester	9 9 9	124	55.9	41.5	48.7	-	63	11	27	4	-	46.5	2.37	-	-.37	9	14	14	0	0	0	0	0	0	0	1	1	4	5	0	2.90	-
I. of Wight	Newport	9 9 9	60	54.2	44.3	49.3	+5.5	60	12,28	30	3	-	-	1.53	-	-.34	25	13	12	0	0	0	0	0	0	0	3	3	-	-	-	-	
	Ryde	9 9 9	15	51.8	45.1	48.5	+4.2	60	28	32	4	-	-	1.74	-	-.31	25	15	11	0	0	0	0	0	0	0	1	0	1	0	3.19	75	
	Sandown	9 9 9	13	53.9	45.3	49.6	+5.5	60	28	32	4	-	-	1.72	-	-.29	6	14	10	0	0	0	0	0	0	0	4	1	-	-	3.63	77	
	Shanklin	9 9 9	180	52.2	44.8	48.5	-	59	28	34	4	-	-	2.42	-	-.41	9	13	12	0	0	0	0	0	0	0	0	4	0	-	3.76	-	
	Ventnor Park	9 9 9	443	52.9	45.8	49.3	-	58	11	40	1	48.8	47.0	2.22	106	-.36	25	13	11	0	0	0	0	0	0	0	5	0	0	-	3.30	-	
Wiltshire	Boscombe Down	21-9 9	414	54.4	42.4	48.4	-	62	11	28	4	-	-	1.71	87	-.39	25	14	9	0	0	0	0	0	0	0	3	2	6	0	2.97	-	
	Lacock (Lackham)	9 9 9	160	55.5	39.8	47.7	-	63	11,12	27	3,4	-	-	2.53	-	-.47	19	12	11	0	0	0	0	0	0	0	2	4	-	1	-	-	
	Larkhill	9 9 9	431	54.6	41.2	47.9	+5.5	62	11	26	4	-	-	1.81	93	-.33	9	15	9	0	0	0	0	0	0	0	5	2	4	0	-	-	
	Lyneham	21-9 9	457	54.5	42.5	48.5	-	65	11	29	4	-	-	2.79	-	-.54	19	14	12	0	0	0	0	0	0	0	1	1	3	0	3.20	-	
	Porton	9 9 9	362	54.7	41.3	48.0	+5.7	62	11,12	26	4	46.0	-	1.83	90	-.35	25	15	11	0	0	0	0	0	0	0	3	2	7	0	3.13	74	
	Upavon	21-9 9	578	53.9	41.9	47.9	-	62	11	33	4,25	-	-	2.05	-	-.38	9	17	13	0	0	0	0	0	0	0	1	0	4	0	6	0	-
	West Lavington	9 9 9	305	55.3	41.9	48.6	-	61	12	30	4	-	-	1.88	-	-.36	25	14	11	0	0	0	0	0	0	0	2	3	-	-	-	-	
7a ENGLAND, N.W.																																	
Cumberland	Alston	9 9 9	1070	50.2	39.3	44.7	-	70	12	30	25	42.5	41.6	3.28	-	-.95	15	18	15	0	0	0	0	0	0	0	1	10	-	2.94	-		
	Keswick	9 9 9	254	53.4	42.3	47.9	+5.5	69	12	31	3	44.7	44.3	3.50	78	-.01	19	19	11	0	0	0	0	0	0	0	2	1	6	0	2.57	79	
	Newton Rigg	9 9 9	560	52.6	40.6	46.6	+5.9	70	12	32	1,2,3	-	-	2.95	105	-.09	9	19	14	0	0	0	0	0	0	0	1	4	5	0	2.29	67	
	Sellafield	9 9 9	43	52.6	42.4	47.5	-	66	11	32	1	-	-	2.98	-	-.68	19	14	12	0	0	0	0	0	0	0	2	1	1	-	2.97	-	
	Silloth	21-9 9	25	52.2	41.2	46.7	-	66	11	29	1	-	-	2.88	-	-.53	16	20	14	0	0	0	0	0	0	0	1	0	2	2	0	2.40	-
Westmorland	Ambleside	9 9 9	151	-	40.4	-	-	29	1	-	-	-	-	6.96	120	1.26	19	20	17	0	0	0	0	0	0	0	0	5	5	-	1.87	-	
	Moor House	9 9 9	1840	46.4	36.4	41.4	-	66	12	28	25	39.3	-	5.94	-	1.36	15	20	18	-	0	0	0	0	0	0	1	0	11	7	0	2.65	-
Lancashire	Bolton	9 9 9	342	53.8	41.4	47.6	+5.5	67	12	33	3,25	44.4	43.4	3.71	118	-.46	15	17	15	0	0	0	0	0	0	0	4	0	4	-	2.65	107	
	Burnley	9 9 9	458	52.9	41.8	47.3	+6.4	70	12	31	25	44.0	-	3.49	-	-.75	19	15	15	0	0	0	0	0	0	0	0	1	9	-	-	-	
	Darwen	2121 9	724	52.6	40.5	46.5	+5.6	66	12	32	1,25	43.7	41.3	4.65	119	-.71	19	18	16	0	0	0	0	0	0	0	2	6	0	-	-	-	
	Helmshore	9 9 9	854	51.7	41.0	46.3	-	65	12	33	25	43.7	-	5.21	-	-.74	19	18	17	-	0												

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n or more or more or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average								
			A	B			Maximum	Date	Minimum					Date	Amount												Date							
			Max. Min. Rain	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.					
8a SOUTH WALES																																		
Cardigan	Aberporth	21-9 9	376	54.0	45.7	49.9	-	68	11	40	1	-	-	3.27	111	.56	19	20	18	0	0	0	1	0	0	2	0	0	2	3.17	-			
	Aberystwyth	9 9 9	12	55.3	45.5	50.4	-	70	11	38	3,4	-	-	4.30	157	.69	16	21	17	0	0	0	0	0	0	1	0	0	3	2.63	74			
" P.B.S.*	Llety-evan-hen	9 9 9	950	53.2	42.9	48.1	-	66	11,12	37	1,27	-	-	5.99	-	1.00	16	19	17	0	0	0	0	0	3	0	5	-	2.79	70				
	Gogerddau	9 9 9	450	56.1	44.1	50.1	-	68	11	37	27	-	-	4.97	-	.67	17,19	20	17	0	0	0	0	0	0	0	2	7	0	2.83	-			
Pembroke	Swyddffynnon	9 9 9	103	56.3	43.8	50.1	-	70	11	31	3	-	-	5.00	-	.69	16	20	16	0	0	0	0	0	0	0	0	2	7	0	-	-		
	Trawscoed	9 9 9	588	55.2	42.8	49.0	-	68	11,12	32	4	-	-	4.11	-	.88	16	22	17	0	0	1	0	0	1	3	0	-	-	-	-			
" P.B.S.*	Dale Fort	9 9 9	200	57.4	43.2	50.3	-	71	11	31	4	-	-	3.74	-	.73	19	21	17	0	0	0	0	0	0	0	0	0	0	0	2.71	-		
	Haverfordwest	9 9 9	109	52.3	46.2	49.3	-	59	12	41	3,4	-	-	3.32	-	.58	5	23	19	0	0	0	0	0	0	0	0	0	0	0	-	-		
" P.B.S.*	Milford Haven	9 9 9	131	53.8	45.2	49.5	5.9	62	12	36	3,4	-	-	4.58	134	.69	19	23	18	0	0	0	0	0	0	0	0	0	0	0	2.63	-		
	Pembroke Dock	9 9 9	179	52.5	45.4	48.9	-	60	12	39	14	-	-	3.82	-	.45	5	22	20	0	0	0	0	0	0	0	0	0	0	0	2.80	-		
Radnor	Tenby	21-9 9	34	53.5	46.3	49.9	-	61	12	37	4	-	-	4.63	153	.50	19	22	20	0	0	0	0	0	0	0	0	0	0	0	2.76	65		
	Llandrindod Wells	9 9 9	64	52.3	45.4	48.9	4.6	61	12	41	3,4,18	-	-	4.83	156	.59	19	23	20	0	0	0	0	0	0	0	0	0	0	0	2.90	85		
Brecknock	Llwynon	9 9 9	770	55.2	40.8	48.0	6.6	69	12	28	4	-	-	3.53	111	.71	19	17	16	0	0	0	0	0	0	0	0	0	0	0	-	-		
	Cardiff	9 9 9	860	53.1	-	-	-	63	11,12	30	3	-	-	7.65	145	1.23	19	18	17	0	0	1	1	6	4	-	-	-	-	-	-			
Glamorgan	Neath	9 9 9	202	54.8	43.2	49.0	5.2	64	12	33	3	47.3	46.6	5.10	162	.84	9,16	19	15	0	-	1	0	3	0	4	1	0	1	0	2.80	70		
	Port Talbot	9 9 9	153	55.3	46.1	50.7	-	66	11	37	3,4	-	-	6.55	-	1.09	9	21	19	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
" P.B.S.*	Rhosee	9 9 9	24	55.4	46.0	50.7	-	66	11,12	34	3	-	-	5.26	-	1.25	9	19	17	0	0	0	0	0	0	0	0	0	0	0	2.72	-		
	Swansea	21-9 9	220	53.3	44.3	48.8	-	62	11	35	3,4	-	-	3.53	-	.55	16	18	13	0	0	0	0	0	0	0	0	0	0	0	0	2.70	-	
Monmouth	Newport	9 9 9	27	54.3	45.2	49.7	4.8	63	12	36	3	49.0	48.7	5.47	-	.91	9	18	16	0	0	0	0	0	0	0	0	0	0	0	0	2.97	74	
	Tredegar	9 9 9	75	54.8	43.8	49.3	-	64	11	34	3,4	-	-	5.21	-	.84	9	19	14	0	0	1	0	1	0	4	0	0	0	0	3.00	-		
" P.B.S.*	Usk	9 9 9	1028	52.2	40.9	46.5	-	63	11	31	3	-	-	6.48	-	1.78	9	16	15	0	0	0	0	0	0	0	0	0	0	0	0	3.00	-	
	Usk	9 9 9	70	56.3	42.1	49.2	-	65	11,12	27	4	47.8	-	4.72	-	1.11	9	14	14	0	0	0	0	0	0	0	0	0	0	0	0	2.87	-	
8b ENGLAND, S.W.																																		
Somerset	Bath	9 9 9	67	56.5	43.5	50.0	6.0	55	12	29	4	47.7	45.8	2.19	96	.52	19	17	12	0	0	0	0	0	1	2	7	4	3.09	77				
	Bickenhall	9 9 9	231	56.2	42.2	49.2	-	55	11	28	3,4	47.8	46.8	2.94	-	.83	19	16	12	0	0	0	0	0	0	0	0	0	0	0	0	3.71	-	
" P.B.S.*	Cannington	9 9 9	95	56.3	43.2	49.7	-	55	11	28	4	-	-	1.89	-	.45	9	16	12	0	0	1	0	0	0	0	0	0	0	0	0	3.10	-	
	Leng Ashton	9 9 9	162	56.3	42.9	49.6	5.8	54	11,12	29	4	47.8	-	2.86	113	.58	15	13	12	0	0	0	0	0	0	0	0	0	0	0	0	2.92	74	
Dorset	Weston-s.-Mare	9 9 9	28	55.8	44.3	50.1	-	64	11	32	3	-	-	2.47	122	.43	16	14	13	0	0	0	0	0	0	0	0	0	0	0	0	3.08	78	
	Wootton Courtenay	9 9 9	486	55.4	43.5	49.5	-	63	11,12	36	4,25	-	-	3.72	-	.77	19	17	14	0	0	1	0	1	0	5	0	0	0	0	0	3.70	-	
" P.B.S.*	Poole	9 9 9	18	55.2	42.8	49.0	-	61	11	30	3	-	-	2.57	-	.48	19	14	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.49	-
	Portland Bill	21-9 9	32	51.7	47.7	49.7	5.6	54	11,12,28	38	4	-	-	2.22	119	.48	9	14	11	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
Devon	Shaftesbury	9 9 9	680	52.6	42.5	47.5	5.2	60	11	32	5	-	-	2.36	-	.39	25	14	11	0	0	0	0	0	0	0	0	0	0	0	0	3.75	-	
	Swanage	9 9 9	34	53.3	43.7	48.5	-	58	28	29	4	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	3.78	-	
" P.B.S.*	Weymouth	9 9 9	16	55.1	45.8	50.5	5.7	60	27	34	3	-	-	2.60	126	.61	9	15	10	0	0	0	0	0	0	0	0	0	0	0	0	3.73	81	
	Chivenor	21-9 9	20	56.6	47.0	51.8	-	66	12	38	4	-	-	3.02	-	.37	26	20	16	0	0	1	1	1	0	0	0	0	0	0	0	2.78	-	
" P.B.S.*	East Budleigh	9 9 9	64	53.9	44.5	49.2	-	59	17,28	30	4	-	-	2.85	-	.77	9	17	12	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Exeter	21-9 9	106	55.9	44.5	50.2	-	68	28	29	3,4	-	-	3.03	-	.70	9	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.36	-
" P.B.S.*	Exmouth	9 9 9	195	53.5	45.5	49.5	5.5	60	17	33	4	-	-	3.07	-	.81	9	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76	92
	Hartland Pt.	21-9 9	298	53.6	46.3	49.9	-	64	11	39	4	-	-	3.75	-	.47	19	21	17	0	0	0	0	0	0	0	0	0	0	0	0	0	3.31	-
" P.B.S.*	Ilfracombe	9 9 9	25	55.9	47.9	51.9	6.3	65	11	41	4	50.0	49.6	4.21	146	.59	9	22	17	0	0	0	0	0	0	0	0	0	0	0	0	3.72	87	
	Newton Abbot	9 9 9	272	54.9	44.8	49.9	5.8	62	28	34	2,3	-	-	4.06	138	1.15	9	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24	75
" P.B.S.*	Paignton	9 9 9	8	54.9	45.8	50.3	-	62	28	35	2,3	-	-	3.60	-	.99	9	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	2.89	68
	Plymouth	21-9 9	87	54.4	46.8	50.6	5.4	60	11,12	40	1	-	-	4.65	157	1.21	9	16	15	0	0	0	0	0	0	0	0	0	0	0	0	0	3.37	77
" P.B.S.*	(Mount Batten)	9 9 9	119	55.3	47.3	51.3	5.7	62	12	41	1,3,4	48.9	48.3	4.49	154	1.15	9	18	13															

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1957

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount; Visibility; Wind, Number of Observations; and Direction. Rows include locations like Scotland, N., Moray, Aberdeen, Fife, Argyll, Bute, Renfrew, Ayr, Dumfries, Wigtown, and Isle of Man.

† Mean pressure at Station Level is 963.9 mb.

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1957

Table with columns: DISTRICT, COUNTY AND PLACE; Hour of Observation; Height of Barometer above Mean Sea Level; MEAN PRESSURE; MEAN TEMPERATURE AND HUMIDITY; CLOUD AMOUNT (OKTAS); VISIBILITY; WIND, NUMBER OF OBSERVATIONS. The table is organized into sections for 2 ENGLAND, N.E. and 3 ENGLAND, E., listing various locations like Northumberland, Durham, Yorks., Lincoln, Norfolk, Suffolk, Cambridge, Huntingdon, Bedford, Hertford, and Essex.

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M.O. 625

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers

Volume 74 Number 4

Published by HER MAJESTY'S STATIONERY OFFICE



April 1957—An exceptionally dry month

Weather during the month was predominantly anticyclonic and unusually dry in most areas. Over England and Wales it was the driest April since that of 1938.

During the first three days a deepening depression in the eastern Atlantic moved towards Iceland and associated troughs moved slowly east across the British Isles, giving generally cloudy weather with local early morning fog and some occasional rain, which was moderately heavy in parts of western Scotland. An anticyclone from the continent spread westwards across the British Isles on the 4th giving two fine, warm days with afternoon temperatures rising into the sixties; on the 5th temperature reached 71°F. at Camden Square, London, and several places recorded 11 hr. of sunshine. The following day an intense blocking high formed to the west of the British Isles with the surface anticyclone centred between Scotland and Iceland and there was a general drop in temperature of 5–10°F. as north-easterly winds spread across the country. Cool north-easterly winds with scattered showers, but with sunny periods, continued for several days, but on the 10th the anticyclone off Scotland declined as a depression from the Norwegian Sea moved south-east across southern Scandinavia; temperature in many places fell another 5°F. and showers became more frequent as winds over the British Isles backed to north and freshened, bringing direct arctic air over the country and snow as far south as Kent and Devon. The showers ended, for many stations, a period of more than 15 days without measurable rain. A marked change occurred on the 14th as winds backed to the south-west and milder air spread in from the Atlantic but pressure was generally high to the south of England and rain, associated with weak fronts which crossed the country in this airstream during the next three days, was mainly slight. The only major break in the general anticyclonic nature of the weather during the month occurred on the 18th when an intense depression, moving north-east, skirted northern Scotland. Gales were severe for a short period in parts of Scotland and rain was widespread although amounts generally were not large. A blocking anticyclone formed over Russia on the 18th and persisted until the 25th. Pressure rose rapidly over England on the 19th and although there were some showers in Scotland and northern England, weather during the 19th and 20th was sunny and rather warm in most places and continued so in the south of England for much of Easter Sunday 21st, but over the north-western half of the country a cool south-westerly airstream gave showers and occasional rain. Outbreaks of thundery rain with scattered thunderstorms occurred in southern England late on Sunday night and on Easter Monday, associated with a shallow depression over northern France, but many places on the south and south-east coasts had a dry sunny day. On the 23rd and 24th a ridge of high pressure extended from an anticyclone over northern Russia to the British Isles and weather was fine and warm nearly everywhere in the country, with 13 hr. of sunshine in places in the north-west and temperature reaching 70°F. locally in southern England. On the 25th an anticyclone moved to the north of Scotland and a cool north-easterly airstream spread over the British Isles; showers were heavy locally, chiefly in the Midlands and south-east England, and were accompanied by hail at times with wind reaching gale force in places. During the last few days of the month pressure was high to the west of Ireland and wind continued mainly from a northerly direction with dry weather and about average temperature.

Pressure and Wind. Pressure everywhere was considerably above the average, the excess at 9 h. ranging from 7.7 mb. at Tunbridge Wells to 11.8 mb. at Dyce. Winds were southerly during the first three days, became mainly light and variable on the 4th and 5th, generally north-east or north until the 11th, predominantly south-westerly from 12th to 18th, light and variable again from 20th to 23rd and north-easterly from 24th until the end of the month. In Scotland winds reached gale force on 6 days and gales were widespread and severe locally on the 18th when a gust of 85 kt. was recorded at Stornoway. In England and Wales gales occurred mostly during the last week of the month and in southern England where they were moderately widespread on the 25th and 26th. **Temperature.** Mean temperature exceeded the 1921–50 average by 0.9°F. in England and Wales, 1.9°F. in Scotland and 1.1°F. in Northern Ireland. The warmest days were generally around the 4th and 23rd and the coldest nights around the 13th; night frosts were fairly frequent. Extreme temperatures for the month included:—(England and Wales) 71°F. at Camden Square, London, on the 5th and at Southampton on the 23rd, 22°F. at Kielder Castle on the 13th; (Scotland) 65°F. at various places on the 23rd, 24th, 27th and 30th, 17°F. at Kincaig on the 26th; (Northern Ireland) 63°F. at Armagh on the 24th, 29°F. at Garvagh on the 7th and 23rd.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 19 over England and Wales, 68 over Scotland and 57 over Northern Ireland. It was the driest April at many stations in a long series of records, for example, at Sheffield since 1883, at Nottingham since 1867, at Ross-on-Wye since 1859 and at Stonyhurst since 1852. Less than 10 per cent. of the average rainfall occurred in south-east Wales, parts of the English Midlands and over much of the south-west country including Devon and Cornwall. In Scotland only the eastern coastal districts and the lower Tweed Valley had less than half the average. One of the wettest days was the 21st when 1.28 in. of rain was reported at Leadhills, Lanarkshire. Absolute droughts from about 28th March were recorded at many southern and west Midland stations in England and at stations in south-east and central Wales. Ross-on-Wye had no measurable rain during the month, only the second rainless month there since records began nearly a hundred years ago.

Thunder occurred on about 7 days, it was fairly widespread in southern England on the 22nd and in east and south Scotland on the 23rd.

Snow and sleet showers fell widely in Scotland from 10th to 13th and locally on several other days; over the rest of the British Isles they were fairly widespread on the 11th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 104 over England and Wales, 119 over Scotland and 126 over Northern Ireland. In northern and western Scotland a few places recorded about 145 per cent. of their average.

Fog. Fog, mostly local, occurred on about nine days in Scotland. In England early morning fog occurred mostly during the first four days of the month and in the south of the country. There was coastal fog in Devon and Cornwall on the 18th.

Miscellaneous Phenomena. The aurora was seen in Scotland on the 3rd to 6th, 8th, 9th and 15th to 30th, on six of these nights in Northern Ireland and on the 17th in Worcestershire. On the 18th sandstorms caused damage to growing crops in the Moray Firth area.

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TABLE I—DISTRICT VALUES—APRIL, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	65	17	+2.7	+0.7	+1.7	—	—	66	-1	124
Eastern 1 SCOTLAND, E.	63	21	+2.2	+1.9	+2.1	—	—	46	-5	112
2 ENGLAND, N.E.	64	22	+0.6	+0.1	+0.4	+3.2	+2.5	23	-6	98
3 ENGLAND, E.	68	25	-0.1	+0.8	+0.4	+2.8	+1.9	18	-8	106
4 MIDLAND COUNTIES	66	26	+1.0	+0.8	+0.9	+2.8	+3.1	11	-10	100

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	71	26	+1.4	+1.5	+1.4	+3.5	+3.6	15	-8	112
Western 6 SCOTLAND, W.	65	21	+2.5	+1.1	+1.8	+2.9	+2.5	81	-3	121
7 ENGLAND, N.W. (and N. Wales)	67	23	+1.4	+0.9	+1.1	+2.2	+2.5	23	-6	106
8 ENGLAND, S.W. (and S. Wales)	70	27	+1.7	+1.1	+1.4	+4.1	+3.5	9	-10	100
NORTHERN IRELAND	63	29	+1.6	+0.6	+1.1	—	—	—	-4	126

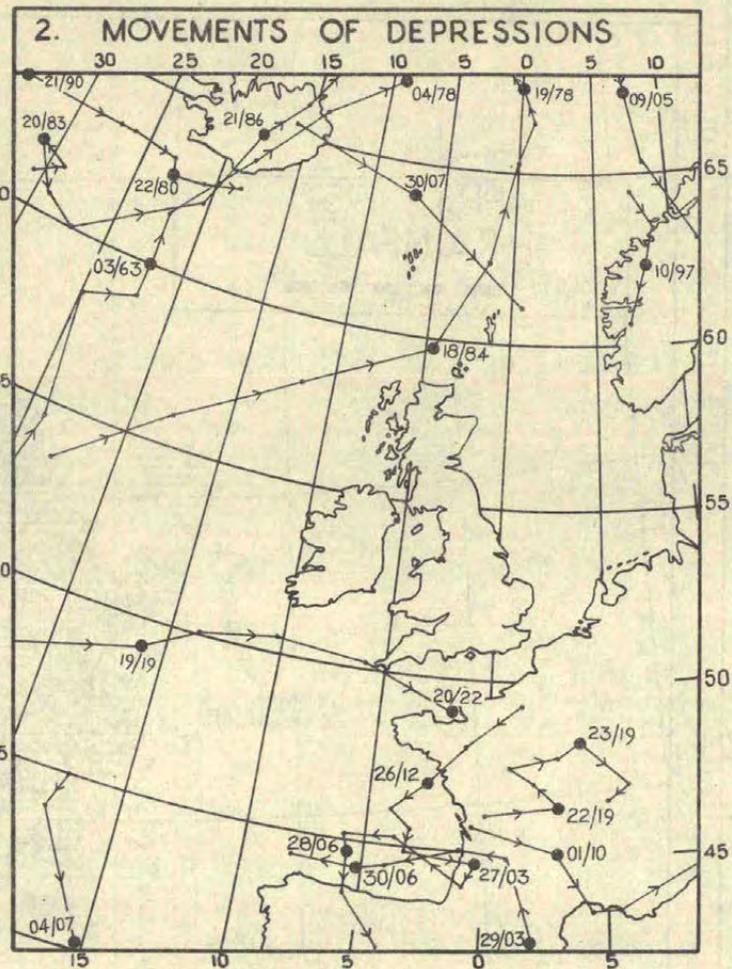
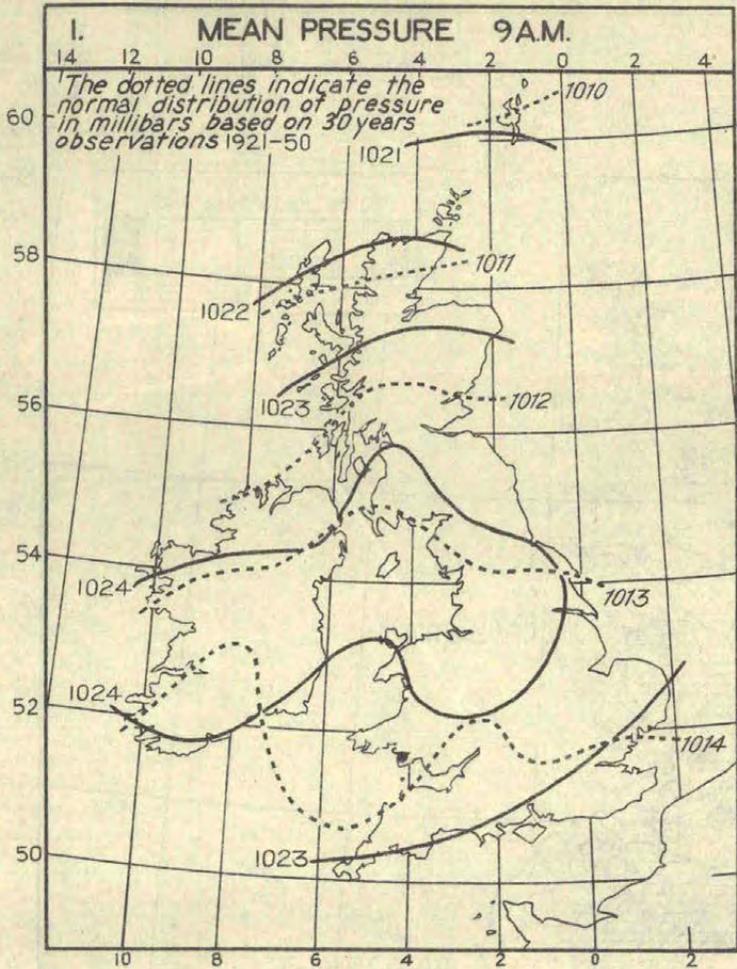
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—APRIL, 1957

[1914]

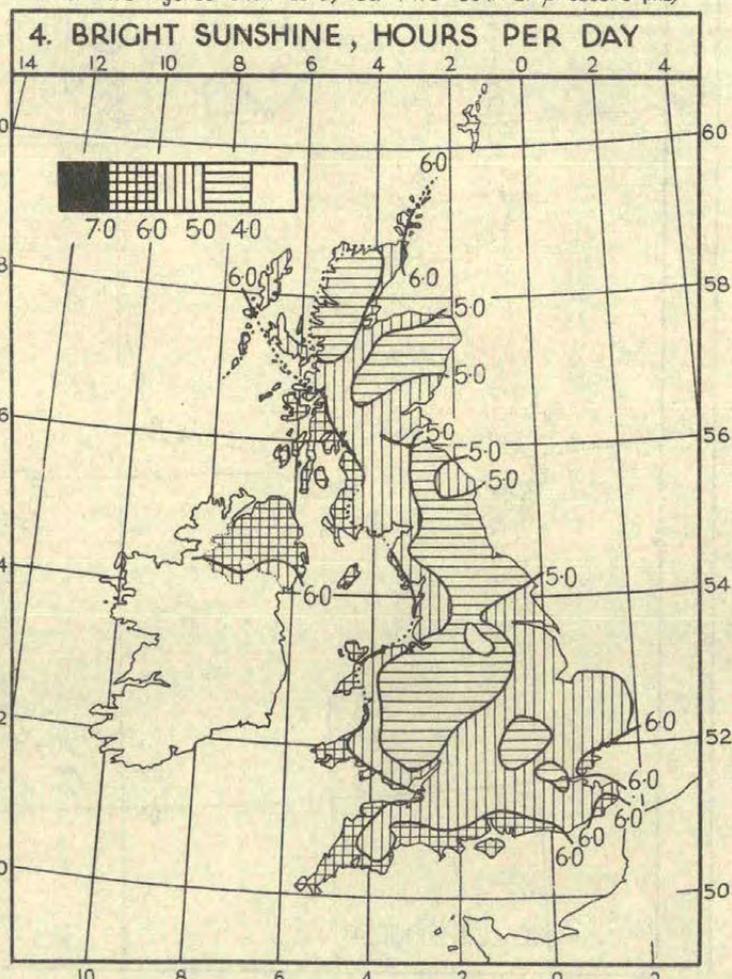
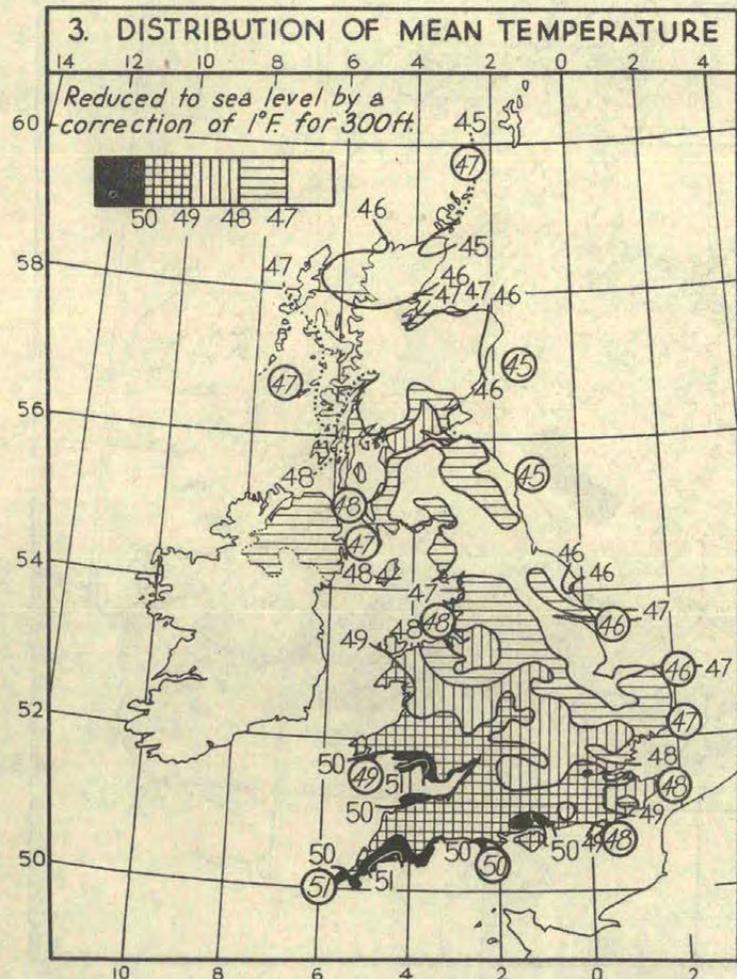
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind								Mean Wind Speed	Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record		Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time	
																	hr.	hr.
SCOTLAND																		
0 Shetland Lerwick	310	53	37	18	11	16	108	363	222	16	0	15.0	250	55	18 16	78	18	1515
Orkney Grimsetter																		
Caithness Halkirk																		
ROSS & CROMARTY																		
Inverness Stornoway (Coastguard)	120	40	36	18	11	13	124	302	187	96	0	13.5	260	53	18 11	85	18	1040
Inverness Benbecula	69	51	35	18	8	11	91	344	188	89	0	13.0	250	45	18 10	66	18	0910
1 Aberdeen Dyce	225	40	40	—	0	2	10	241	288	181	0	8.1	180	27	18 11	39	18	1425
Angus Bell Rock Lighthouse	128	131	124	∅														
Fife Leuchars	79	41	41	—	0	1	9	153	353	205	0	6.9	270	31	18 15	46	18	1450
Midlothian Edinburgh	485	39	23	—	0	1	7	89	357	267	0	5.8	180	28	18 09	—	—	—
6a Argyll Tiree	89	60	47	18	5	12	56	328	247	84	0	11.9	270	35	18 10	54	18	0850
Bute Millport	50	34	34	*														
Renfrew Paisley	188	81	31	—	0	0	0	36	367	317	0	4.7	270	21	18 14	45	18	1340
Renfrew	71	41	39	—	0	1	8	179	404	119	0	7.8	270	27	18 14	44	18	1330
Ayr Prestwick	80	50	40	—	0	0	0	22	263	435	0	3.3	290	15	18 12	41	18	1105
Dumfries Eskdalemuir	825	50	35	—	0	2	5	124	355	236	0	6.4	210	24	3 11	49	18	1455
ENGLAND AND WALES																		
6b Isle of Man Point of Ayre ..	70	40	35	—	0	2	7	315	318	80	0	9.4	320	25	12 19	39	18	0945
2 Durham Durham	399	53	33	—	0	0	0	255	323	141	1	8.1	200	20	18 11	38	18	1300
South Shields	73	57	44	—	0	6	23	248	299	150	0	9.3	350	26	11 10	39	11	1015
Yorks., N.R. Linton-on-Ouse ..	73	27	33	∅														
Yorks., E.R. Spurn Head	64	44	34	—	0	10	108	408	136	26	42	14.8	060	32	11 11	45	11	0125
Lincoln Cranwell	288	47	47	—	0	0	0	231	372	117	0	8.4	320	21	11 09	43	11	1155
3 Norfolk Gorleston	52	42	34	—	0	5	31	383	236	70	0	11.8	040	29	26 05	42	26	0405
Suffolk Felixstowe	85	75	65	—	0	2	5	231	314	170	0	8.4	050	24	26 04	42	25	1640
Mildenhall	98	83	60	—	0	0	0	143	436	141	0	7.2	050	20	25 15	43	11	1055
Bedford Cardington	285	150	135	—	0	6	30	266	286	138	0	9.7	050	25	7 14	41	11	1310
Dunstable	567	55	33	—	0	0	0	251	378	91	0	8.8	030	21	7 14	35	25	1825
Herts. Stevenage	564	111	65	—	0	2	8	349	313	50	0	11.0	020	25	25 19	39	25	1945
Essex Shoeburyness	115	104	89	—	0	7	57	412	249	2	0	12.9	040	32	26 02	49	25	2200
4 Warwick Birmingham	643	118	73	—	0	0	0	108	410	202	0	6.4	030	20	7 17	34	7	1710
Stafford Keele	706	50	40	—	0	0	0	108	410	202	0	6.4	030	20	7 17	34	7	1710
Gloucester Avonmouth	92	61	33	—	0	5	18	293	262	112	35	9.9	040	31	26 03	48	26	1355
5 London Kingsway	231	160	40	—	0	0	0	88	451	181	0	6.3	070	17	26 08	29	26	0740
Middlesex Hampton	139	101	100	—	0	1	1	236	386	97	0	8.4	050	22	26 07	45	26	0635
Surrey Croydon	313	105	70	—	0	1	1	159	293	267	0	6.3	030	22	26 08	43	25	1950
Kew Observatory	92	75	50	—	0	1	2	308	317	93	0	9.3	040	22	26 08	43	26	0715
Kent Dover	66	36	60	—	0	8	44	335	225	116	0	11.1	050	30	25 23	49	25	1245
Dungeness	70	50	33	*														
Isle of Grain	48	40	33	—	0	4	25	295	308	92	0	10.0	040	29	26 08	44	25	2210
Sussex Thorney Island	75	65	42	—	0	0	0	153	379	188	0	6.9	060	20	26 10	45	26	0225
Hants. S. Farnborough	318	69	35	—	0	0	0	72	352	296	0	5.0	070	16	26 09	38	26	0255
Berks. Abingdon	250	40	40	—	0	1	1	318	266	135	0	9.2	040	22	26 09	39	26	0850
Wiltshire Larkhill	491	51	36	—	0	8	85	268	275	92	0	11.8	030	33	26 11	49	26	1030
Porton	406	44	44	—	0	5	15	268	272	165	0	8.7	040	24	26 10	47	25	1545
7a Cumberland Sellafield	83	39	35	—	0	0	0	73	320	294	33	4.9	230	17	18 12	28	18	1045
WESTMORLAND																		
Moor House	1960	50	45	—	0	7	41	338	239	102	0	11.1	240	32	17 07	47	17	0655
Lancashire Fleetwood	112	50	31	—	0	3	5	273	330	112	0	9.1	320	24	12 15	40	7	1725
Southport	63	45	36	—	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Speke	180	100	65	—	0	5	14	294	316	96	0	9.8	260	25	18 13	44	18	1220
Cheshire Bidston Observatory	262	64	39	—	0	1	1	159	467	93	0	—	320	22	12 21	40	12	2120
Manchester Airport	318	70	30	—	0	0	0	286	358	76	0	9.0	040	20	26 15	35	26	1430
7b Anglesey Holyhead (Valley) ..	76	50	40	—	0	4	14	292	294	120	0	9.5	210	26	17 09	36	17	0625
8a Cardigan Aberporth	483	41	41	—	0	4	7	344	218	122	29	10.1	030	23	26 09	37	26	0820
Pembroke Kete	249	49	37	—	0	1	1	248	390	81	0	9.1	030	22	26 09	35	26	0830
Milford Haven	246	50	35	—	0	1	2	230	349	139	0	8.3	320	23	26 10	37	26	0925
Glamorgan Port Talbot	91	40	35	—	0	1	9	231	329	151	0	8.5	080	27	26 12	49	26	1147
8b Devon Plymouth	191	88	65	—	0	2	7	281	313	119	0	9.0	—	32	26 12	51	26	1110
Cornwall The Lizard	315	75	60	—	0	6	26	392	198	104	0	11.2	040	27	26 13	44	26	1010
NORTHERN IRELAND																		
Antrim Aldergrove	281	65	65	—	0	1	3	183	366	168	0	7.3	190	24	18 07	38	18	0935
Londonderry Eglinton	79	61	51	—	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCILLY ISLES																		
St. Mary's	230	65	57	—	0	3	19	242	305	154	0	8.9	040	27	26 11	41	26	1100

MONTHLY WEATHER CHARTS

APRIL 1957



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



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

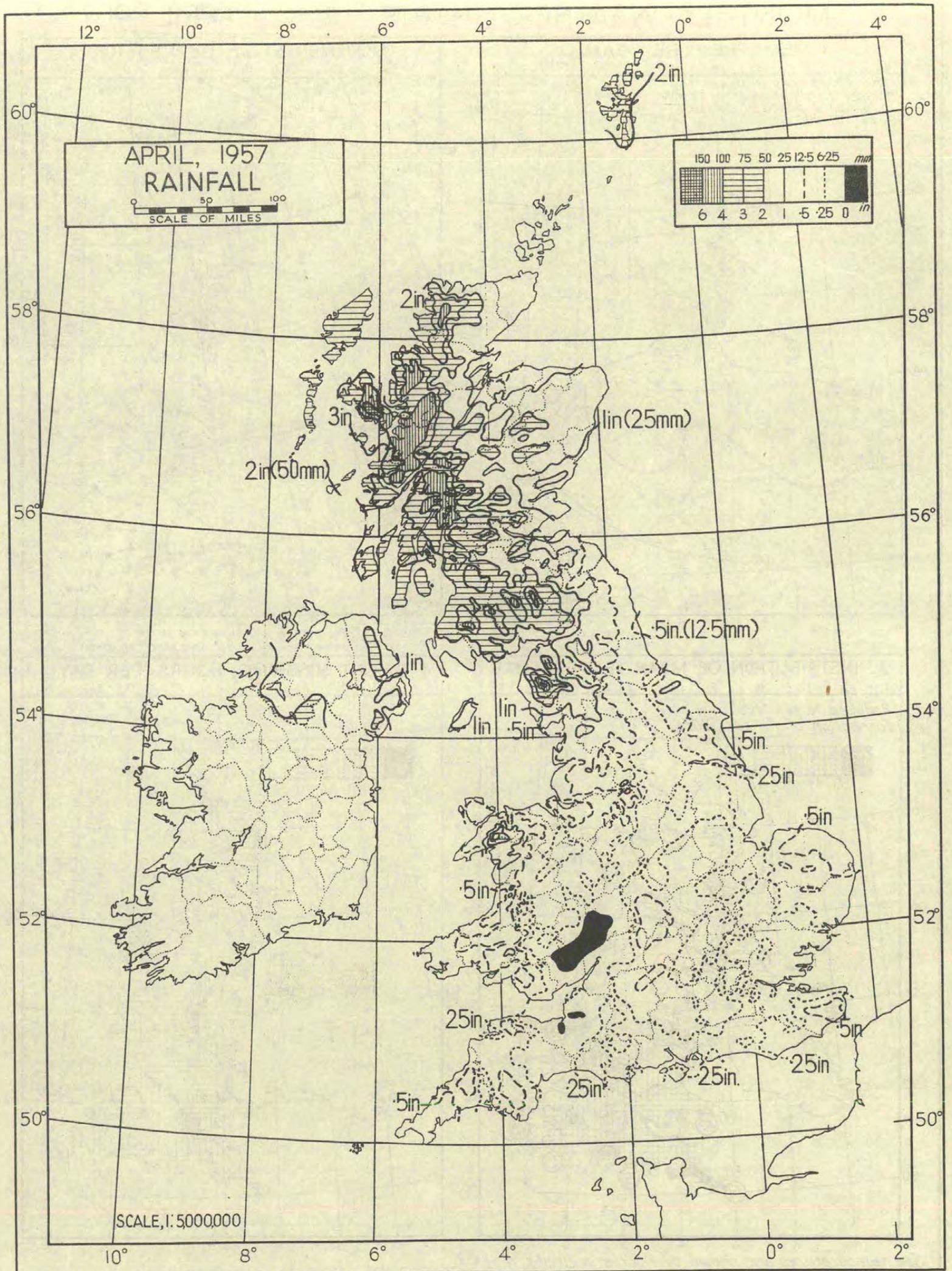


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precipitation 0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. C.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average		
			A	B			Maximum	Date	Minimum					Date	Amount													Date	
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
0 SCOTLAND, N.																													
Shetland	Baltasound	9 9 9	78	49.4	39.0	44.2	-	54	4	32	12,25	43.7	-	2.23	-	.39	18	21	14	5	0	5	0	0	2	-	2	4.69	-
	Lerwick Obs'y.	21-9 9	269	48.1	38.6	43.3	+1.8	52	4,5	30	12	-	-	2.29	100	.51	16	20	13	7	1	6	1	0	5	6	3	4.91	112
Orkney	Grimsetter	21-9 9	84	50.4	39.2	44.8	-	56	23	33	12,13	-	-	1.71	-	.27	14	19	11	2	0	6	0	0	0	6	2	6.20	-
	Sule Skerry	9 9 9	43	48.9	41.9	45.4	-	53	23	33	11	-	-	1.43	-	.26	18	18	8	0	0	2	0	0	0	2	-	-	-
Caithness	Halkirk (Olgrinbeg)	9 9 9	232	53.0	33.1	43.1	-	61	3	27	24	-	-	1.46	-	.23	11,14	13	10	1	-	-	0	19	26	-	-	-	
	Wick	21-9 9	119	51.1	38.2	44.7	+1.7	57	4,14	30	13	-	-	1.03	52	.21	14	17	11	2	0	4	0	0	5	10	1	6.06	128
Sutherland	Cape Wrath	21-9 9	367	48.5	41.9	45.2	-	58	2	30	11	-	-	1.90	-	.61	16	12	11	1	0	0	0	0	1	0	1	-	-
	Laing (Achany)	9 9 9	240	54.7	34.7	44.7	-	61	23,24	25	27	46.3	44.1	1.28	-	.22	14	16	10	3	0	2	0	0	12	23	2	-	-
Ross & Cromarty	Strathay	9 9 9	120	52.8	36.9	44.9	-	60	2	29	13,26	-	-	1.53	-	.39	14	18	11	3	0	2	0	0	5	-	1	4.99	-
	Achnashellach	9 9 9	225	53.5	38.2	45.9	+1.7	65	24	30	11,13,30	-	-	3.18	59	.87	16	21	12	2	0	0	0	0	5	-	0	-	-
Inverness	Fortrose	9 9 9	69	51.4	41.5	46.5	-	56	18,23	34	11	-	-	.69	-	.18	28	10	5	1	0	0	0	0	-	1	5.64	121	
	Kinlochewe	9 9 9	76	54.8	37.1	45.9	-	62	2,24	29	8,29,30	-	-	4.03	-	.91	30	22	16	4	0	1	0	0	9	-	0	3.47	- 8
Inverness	Stornoway	21-9 9	11	51.4	40.6	46.0	+1.8	56	4	31	30	-	-	2.36	-	.48	16	19	10	1	0	5	0	0	1	4	1	5.62	115
	Tarbatness	21-9 9	60	51.6	40.6	46.1	-	59	4	33	13,27	-	-	.52	-	.09	14	13	7	2	0	0	0	1	0	-	1	-	-
Inverness	Benbecula	21-9 9	19	51.4	42.8	47.1	-	59	24,25	35	11,12	-	-	2.80	-	.62	16	18	8	0	0	3	0	0	0	3	1	6.10	-
	Cannich	9 9 9	350	55.2	33.6	44.4	-	62	23,24	25	26,27	-	-	1.63	-	.35	28	19	8	1	0	0	0	14	20	0	-	-	
Inverness	Dalwhinnie	18-9 9	1176	50.7	33.4	42.1	-	62	24	19	26	-	-	1.62	58	.36	20	16	11	2	1	0	0	0	11	13	0	4.46	-
	Duntulm	9 9 9	294	50.7	41.2	45.9	-	56	2,24	34	11	-	-	2.85	88	.74	16	17	12	0	0	3	0	0	0	0	2	5.25	-
Inverness	Ft. Augustus	8 8 8	70	54.3	38.7	46.5	+2.1	64	29	30	8,23,27	-	-	1.20	47	.25	9	14	10	0	0	0	0	0	6	-	0	5.02	-
	Ft. William	9 9 9	34	54.7	39.4	47.1	+1.5	64	24	32	8,23	47.8	46.6	3.13	70	.64	20	16	14	0	0	0	0	0	2	6	0	5.65	145 8
Inverness	Glenmore Lodge	9 9 9	1000	50.3	33.9	42.1	-	60	24	22	26	-	-	1.34	-	.28	28	14	11	3	-	4	0	0	13	16	0	4.30	-
	Inverness	9 9 9	242	53.9	38.2	46.1	+1.9	61	23,24	27	26	-	-	.68	41	.18	27	12	7	0	0	0	0	0	4	9	0	5.28	120
Inverness	Kincraig	9 9 9	780	53.5	33.3	43.4	-	65	24	17	26	-	-	.89	-	.16	28	15	10	-	0	-	0	13	17	-	-	-	
	Onich	9 9 9	48	53.2	38.9	46.1	-	61	24	31	11,23	-	-	3.71	83	.73	16	16	15	-	0	-	0	0	3	14	-	5.76	144 8
1 SCOTLAND, E.																													
Nairn	Nairn	9 9 9	20	53.7	40.3	47.0	+2.2	60	4,18	31	26,27	-	-	.45	34	.09	27	12	5	1	0	1	0	0	2	10	1	5.49	120
Moray	Elgin	9 9 9	92	53.6	40.3	46.9	-	61	4,18	31	27	-	-	.66	-	.15	21	13	8	-	0	-	1	2	2	-	-	5.76	-
	Findhorn	21 21 9	20	53.2	40.8	47.0	-	60	4	33	13,27	-	-	.39	-	.08	14,21	10	4	0	-	2	0	0	0	1	-	-	-
Moray	Forres	9 9 9	155	53.9	38.5	46.2	-	61	27	28	27	47.2	45.2	.36	-	.09	27	10	4	0	0	3	0	0	3	8	1	5.20	-
	Gordon Castle	21 21 9	104	54.1	40.0	47.1	+2.3	62	20	31	13	-	-	.61	35	.13	21	14	7	0	-	0	0	2	-	0	5.43	122	
Banff	Kinloss	21-9 9	15	53.3	39.0	46.1	-	60	18	26	27	-	-	.48	-	.08	21	13	5	0	0	2	0	0	4	9	1	5.34	-
	Banff	9 9 9	130	51.3	40.7	46.0	+1.5	59	18	33	27	-	-	1.21	68	.22	21	18	10	2	0	2	1	1	0	0	0	4.78	103
Aberdeen	Glenlivet	9 9 9	1085	50.6	34.1	42.3	-	58	18,24,27	21	27	41.8	-	1.81	-	.35	28	16	14	1	2	2	0	0	14	17	0	4.62	-
	Aberdeen	9 9 9	170	51.6	39.3	45.5	-	60	16,18	29	27	-	-	1.21	-	.38	21	11	8	3	0	0	-	1	7	0	4.82	-	
Aberdeen	Balmoral	9 9 9	927	51.1	35.6	43.3	+2.1	61	27	26	27	-	-	1.19	55	.44	28	13	6	-	0	-	10	14	-	-	-	-	
	Braemar	21 21 9	1113	50.7	34.9	42.8	+1.8	58	24,27	24	8	-	-	1.29	54	.29	28	17	13	3	0	0	1	0	11	12	0	4.62	- 8
Aberdeen	Craibstone	9 9 9	300	51.0	38.5	44.7	+1.5	59	14,18	30	27	44.8	43.5	1.41	68	.43	21	10	8	3	0	2	2	-	4	5	0	4.46	93
	Dyce	21-9 9	185	51.9	38.4	45.1	-	61	18	26	27	-	-	1.32	64	.39	21	12	9	4	0	4	1	1	5	9	0	4.48	-
Aberdeen	Huntly	9 9 9	405	52.3	37.5	44.9	-	61	27	28	27	-	-	1.47	-	.28	11	20	13	2	0	3	1	0	6	11	0	-	-
	Logie Coldstone	9 9 9	608	53.5	36.3	44.9	+2.0	61	27	23	27	-	-	1.08	54	.48	28	11	6	2	0	0	1	-	9	-	0	-	
Aberdeen	Rattray Head	21-9 9	85	49.5	40.3	44.9	-	57	4	33	27	-	-	1.20	-	.26	21	14	9	1	0	0	0	1	0	-	1	4.99	-
	Udny	9 9 9	363	51.1	37.5	44.3	-	61	18	31	13,27	-	-	1.79	-	.70	21	18	10	3	0	3	0	1	5	7	2	4.46	-
Kincardine	Fettercairn	9 9 9	560	51.5	37.9	44.7	-	58	27	31	13,27	-	-	1.37	-	.29	21	15	9	3	0	3	0	6	4	15	0	5.53	- 8
	Muchalls	9 9 9	210	51.2	38.7	44.9	-	60	18,27	32	11,13	-	-	.94	-	.27	21	11	5	1	0	0	0	0	2	8	0	-	-
Angus	Stonehaven	9 9 9	12	52.7	38.3	45.5	-	63	18	29	27	-	-	1.00	-	.26	21	11	7	-	0	-	-	5	-	0	4.63	-	
	Arbroath	9 9 9	95	52.7	39.5	46.1	+1.3	59	14,18,30	31	13	-	-	.83	51	.24	21	9	3	0	0	1	0	0	1	4	0	5.67	107
Angus	Buddon Ness	9 9 9	15	53.2	36.9	45.1	-	60	5	24	13	-	-	.58	35	.17	21,28	11	3	0	-	1	0	0	7	-	1	-	
	Carnoustie	9 9 9	16	53.5	40.0	46.7	-	61	14	30	13	48.1	-	.70	-	.20	21	11	3	0	0	1	0	0	2	8	0	5.53	-
Angus	Dundee	9 9 9	147	54.8	39.9																								

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL, 1957

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean, Difference, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day, Precip'n); Weather (Number of days for various conditions); and Bright Sunshine (Daily Mean, Percentage of Average).

* Sunshine recorder is at Seed Trial Grounds

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1 in. (2.5 mm) or more	0.01 in. (0.25 mm) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. C.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum					Date	Amount													Date			
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
8a SOUTH WALES																															
Cardigan	Aberporth ..	21-9 9	376	52.3	43.2	47.7	-	58	4	37	7,20	-	-	.29	13	.17	17	6	2	0	0	0	1	0	0	1	0	0	6.04	-	
	Aberystwyth ..	9 9 9	12	55.1	43.4	49.3	-	65	23	35	12	-	-	.37	18	.24	17	6	2	0	0	0	0	0	0	0	0	7	-	6.06	114
	„ Llety-ewan-hen	9 9 9	950	52.3	39.8	46.1	-	62	23	33	11,12,13	-	-	.77	-	.44	17	6	4	0	0	1	0	1	0	0	0	0	5.76	-	
	„ P.B.S.*	9 9 9	452	54.7	41.2	47.9	-	63	23	34	12	-	-	.31	-	.25	17	6	1	0	0	0	0	0	0	0	0	0	6.10	118	
	Gogerddan	9 9 9	103	55.4	41.1	48.3	-	65	23	31	12	-	-	.42	-	.26	17	6	3	0	0	0	0	0	1	16	0	6.20	-		
	Swyddfynnon ..	9 9 9	588	54.3	39.8	47.1	-	64	23	27	12	-	-	.49	-	.27	17	6	3	0	0	1	0	0	3	7	0	-	-		
	Trawscod	9 9 9	200	55.9	38.9	47.4	-	65	23	27	12	-	-	.37	-	.22	17	4	3	0	0	0	0	4	14	-	5.87	-			
Pembroke	Dale Fort	9 9 9	109	54.5	44.4	49.5	-	63	24	38	7,12	-	-	.14	-	.09	17	3	2	0	0	0	0	0	0	1	0	6.85	-		
	Haverfordwest ..	9 9 9	131	55.6	43.1	49.3	+2.5	66	24	33	12	-	-	.41	16	.23	17	6	2	0	0	0	0	0	0	0	0	-	-		
	Milford Haven ..	9 9 9	179	55.4	42.8	49.1	-	64	23,24	35	12	-	-	.18	-	.13	17	4	1	0	0	0	0	0	0	0	0	6.85	-		
	Pembroke Dock..	21-9 9	34	55.8	44.4	50.1	-	65	23,24	35	12	-	-	.26	11	.20	17	4	1	0	0	0	0	0	0	1	0	6.87	-		
	Tenby ..	9 9 9	64	56.0	44.2	50.1	+2.2	64	23	33	12	-	-	.32	14	.22	17	3	3	0	0	0	0	1	0	1	-	6.24	108		
Radnor	Llandrindod Wells †§	9 9 9	770	54.9	38.9	46.9	+1.0	67	4	30	14	-	-	.25	11	.09	18,29	4	3	0	0	0	0	0	3	-	4.51	89			
Brecon	Llwynon ..	9 9 9	860	54.2	39.2	46.7	-	61	22,23	30	12	-	-	.44	12	.21	17	6	4	0	0	1	0	2	2	-	-	-			
Glamorgan	Cardiff .. †§	9 9 9	202	57.1	42.7	49.9	+2.1	67	5	37	12,14	50.8	49.6	.23	9	.20	17	3	1	0	0	0	0	0	5	0	5.78	105			
	Neath ..	9 9 9	153	57.3	44.1	50.7	-	65	5	34	12	-	-	.41	-	.28	17	7	2	0	0	0	0	0	1	0	-	-			
	Port Talbot ..	9 9 9	24	58.0	42.9	50.5	-	63	4,5,24	36	12,14	-	-	.43	-	.20	17	6	4	0	0	0	1	0	0	2	0	5.74	-		
	Rhosee ..	21-9 9	220	56.0	42.2	49.1	-	65	5,23	32	12	-	-	.12	-	.10	17	2	1	0	0	0	0	0	1	5	0	6.12	-		
	Swansea ..	9 9 9	27	57.5	44.7	51.1	+2.4	66	5	36	12	53.6	52.6	.50	-	.20	17,29	5	3	0	0	0	0	0	0	0	0	6.13	114		
Monmouth	Newport ..	9 9 9	75	56.8	42.6	49.7	-	65	5	34	14	-	-	.10	-	.10	17	1	1	0	0	0	0	0	0	0	0	5.74	-		
	Tredegar ..	9 9 9	1028	53.0	39.5	46.3	-	61	5	32	14	-	-	.11	-	.04	18	5	1	0	0	0	0	0	1	9	-	5.22	-		
	Usk ..	9 9 9	70	56.6	40.3	48.5	-	65	5,23	31	12,14	51.3	-	.14	-	.11	19	2	1	0	0	0	0	0	3	8	-	4.42	-		
8b ENGLAND, S.W.																															
Somerset	Bath .. †§	9 9 9	67	57.4	41.2	49.3	+0.9	65	23	31	12	51.5	49.3	.13	6	.11	22	2	1	0	0	0	0	0	1	7	2	5.71	109		
	Bickenhall ..	9 9 9	231	56.8	40.1	48.5	-	65	5	31	17	50.4	49.2	.09	-	.03	22	6	0	0	0	0	0	2	12	0	5.30	-			
	Cannington ..	9 9 9	95	56.9	41.8	49.3	-	65	5,23	33	17	-	-	.01	-	.01	18	1	0	0	0	0	0	0	0	0	0	5.0	5.34		
	Long Ashton ..	9 9 9	162	57.0	40.9	48.9	+1.1	66	5	32	12	50.6	-	.14	6	.08	12	3	1	0	0	0	0	0	1	11	-	5.25	98		
	Weston-s.-Mare ..	9 9 9	28	56.6	43.3	49.9	-	64	23	37	12,14	-	-	.14	8	.07	17	4	2	0	0	0	0	1	0	2	-	6.08	114		
	Wootton Courtenay	9 9 9	486	54.7	40.7	47.7	-	62	5	32	12	-	-	.14	-	.05	13	6	1	0	0	0	0	0	1	11	0	5.94	-		
Dorset	Poole ..	9 9 9	18	58.8	40.3	49.5	-	70	23	29	12	-	-	.16	-	.13	22	4	1	0	0	0	0	1	1	-	-	6.65	-		
	Portland Bill	21-9 9	32	54.9	45.2	50.1	+2.7	63	5,23,24	38	12	-	-	.51	34	.25	22	6	3	0	0	0	0	2	0	-	0	-	-		
	Shaftesbury ..	9 9 9	680	54.5	40.3	47.4	+1.0	67	23	32	12	-	-	.21	-	.15	22	4	1	0	0	0	0	3	1	-	-	-			
	Swanage ..	9 9 9	34	55.9	43.1	49.5	-	65	5	37	12,17	-	49.8	-	-	-	-	-	-	0	0	0	1	0	0	-	6.31	-			
	Weymouth ..	9 9 9	16	58.0	43.6	50.8	+2.2	69	23	35	12	-	-	.24	14	.17	22	4	2	0	0	0	0	1	0	0	0	6.48	108		
Devon	Chivenor ..	21-9 9	20	57.8	43.9	50.9	-	68	5	33	12	-	-	.20	-	.13	17	4	1	0	0	0	0	0	0	2	0	6.48	108		
	**East Budleigh ..	9 9 9	64	56.9	40.7	48.8	-	65	23,24	29	12	-	-	.08	-	.03	19,20	4	0	0	0	0	1	0	3	4	0	-			
	Exeter ..	21-9 9	106	56.8	41.6	49.2	-	66	5	30	12	-	-	.04	-	.02	19	3	0	0	0	0	0	0	2	5	0	5.38	-		
	Exmouth ..	9 9 9	195	55.4	42.2	48.8	+1.2	65	23	33	17	-	-	.08	-	.05	19	2	1	0	0	0	0	1	0	0	0	5.98	107		
	Hartland Pt. ..	21-9 9	298	52.2	45.4	48.8	-	61	4	39	8	-	-	.23	-	.18	17	4	1	0	0	0	0	1	0	0	0	6.27	-		
	Ilfracombe ..	9 9 9	25	54.9	46.5	50.7	+2.2	63	4	36	12	53.0	52.7	.31	15	.22	17	5	2	0	0	0	0	0	0	1	-	6.83	122		
	†Newton Abbot ..	9 9 9	272	56.4	41.8	49.1	+1.3	65	23	33	12	-	-	.26	12	.20	26	4	1	0	0	0	0	0	4	-	5.76	1018			
	Paignton ..	9 9 9	8	56.7	43.6	50.1	-	65	23	34	12	-	-	.31	-	.28	26	2	1	0	0	0	0	0	0	-	5.54	94			
	Plymouth (Mount Batten)	21-9 9	87	56.5	43.7	50.1	+1.7	65	5,23,24	34	15,17	-	-	.19	9	.11	26	5	1	0	0	0	0	1	0	4	-	6.15	105		
	Plymouth (The Hoe)	9 9 9	119	57.4	44.6	51.0	+1.9	67	5	35	12	51.9	51.1	.19	8	.11	26	6	1	0	0	0	0	1	0	3	1	6.27	106		
	Princetown ..	9 9 9	1359	51.4	39.7	45.5	-	62	5	31	12	-	-	.55	11	.24	26	6	5	0	0	0	0	3	1	4	-	-			
	Sidmouth ..	9 9 9	25	56.2	42.5	49.3	+1.4	64	24	34	12	-	-	.10	-	.10	19	1	1	0	0	0	0	0	0	-	6.28	-			
	Starcross ..	9 9 9	29	56.9	42.0	49.5	-	66	5,23	31	12	-	-	.05	-	.03	19	2	0	1	0	0	0	0	2	6	-	5.59	-		
	Tavistock ..	9 9 9	457	56.8	41.3	49.1	+1.6	68	5	30	12	-	-	.32	11	.07	12,19	7	4	0	0	0	0	0	1	12	-	-			
	Teignmouth †§	9 9 9	20	57.3	44.6	50.9	+2.0	65	5	36	12	-	-	.07</																	

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL, 1957

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					VISIBILITY										WIND, NUMBER OF OBSERVATIONS																																																																																																																																																																																																																																																																																																	
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS										FORCE (0-12)						DIRECTION																																																																																																																																																																																																																																																																																										
										0	1	2	3	4	5	6	7	8	9	0-14 yd.	15-20 yd.	21-30 yd.	31-40 yd.	41-50 yd.	51-60 yd.	61-70 yd.	71-80 yd.	81-90 yd.	91-100 yd.	101-120 yd.	121-150 yd.	151-200 yd.	201-300 yd.	301-400 yd.	401-500 yd.	501-600 yd.	601-700 yd.	701-800 yd.	801-900 yd.	901-1000 yd.	1001-1200 yd.	1201-1500 yd.	1501-2000 yd.	2001-3000 yd.	3001-4000 yd.	4001-5000 yd.	5001-6000 yd.	6001-7000 yd.	7001-8000 yd.	8001-9000 yd.	9001-10000 yd.	10001-12000 yd.	12001-15000 yd.	15001-20000 yd.	20001-30000 yd.	30001-40000 yd.	40001-50000 yd.	50001-60000 yd.	60001-70000 yd.	70001-80000 yd.	80001-90000 yd.	90001-100000 yd.	100001-120000 yd.	120001-150000 yd.	150001-200000 yd.	200001-300000 yd.	300001-400000 yd.	400001-500000 yd.	500001-600000 yd.	600001-700000 yd.	700001-800000 yd.	800001-900000 yd.	900001-1000000 yd.	1000001-1200000 yd.	1200001-1500000 yd.	1500001-2000000 yd.	2000001-3000000 yd.	3000001-4000000 yd.	4000001-5000000 yd.	5000001-6000000 yd.	6000001-7000000 yd.	7000001-8000000 yd.	8000001-9000000 yd.	9000001-10000000 yd.	10000001-12000000 yd.	12000001-15000000 yd.	15000001-20000000 yd.	20000001-30000000 yd.	30000001-40000000 yd.	40000001-50000000 yd.	50000001-60000000 yd.	60000001-70000000 yd.	70000001-80000000 yd.	80000001-90000000 yd.	90000001-100000000 yd.	100000001-120000000 yd.	120000001-150000000 yd.	150000001-200000000 yd.	200000001-300000000 yd.	300000001-400000000 yd.	400000001-500000000 yd.	500000001-600000000 yd.	600000001-700000000 yd.	700000001-800000000 yd.	800000001-900000000 yd.	900000001-1000000000 yd.	1000000001-1200000000 yd.	1200000001-1500000000 yd.	1500000001-2000000000 yd.	2000000001-3000000000 yd.	3000000001-4000000000 yd.	4000000001-5000000000 yd.	5000000001-6000000000 yd.	6000000001-7000000000 yd.	7000000001-8000000000 yd.	8000000001-9000000000 yd.	9000000001-10000000000 yd.	10000000001-12000000000 yd.	12000000001-15000000000 yd.	15000000001-20000000000 yd.	20000000001-30000000000 yd.	30000000001-40000000000 yd.	40000000001-50000000000 yd.	50000000001-60000000000 yd.	60000000001-70000000000 yd.	70000000001-80000000000 yd.	80000000001-90000000000 yd.	90000000001-100000000000 yd.	100000000001-120000000000 yd.	120000000001-150000000000 yd.	150000000001-200000000000 yd.	200000000001-300000000000 yd.	300000000001-400000000000 yd.	400000000001-500000000000 yd.	500000000001-600000000000 yd.	600000000001-700000000000 yd.	700000000001-800000000000 yd.	800000000001-900000000000 yd.	900000000001-1000000000000 yd.	1000000000001-1200000000000 yd.	1200000000001-1500000000000 yd.	1500000000001-2000000000000 yd.	2000000000001-3000000000000 yd.	3000000000001-4000000000000 yd.	4000000000001-5000000000000 yd.	5000000000001-6000000000000 yd.	6000000000001-7000000000000 yd.	7000000000001-8000000000000 yd.	8000000000001-9000000000000 yd.	9000000000001-10000000000000 yd.	10000000000001-12000000000000 yd.	12000000000001-15000000000000 yd.	15000000000001-20000000000000 yd.	20000000000001-30000000000000 yd.	30000000000001-40000000000000 yd.	40000000000001-50000000000000 yd.	50000000000001-60000000000000 yd.	60000000000001-70000000000000 yd.	70000000000001-80000000000000 yd.	80000000000001-90000000000000 yd.	90000000000001-100000000000000 yd.	100000000000001-120000000000000 yd.	120000000000001-150000000000000 yd.	150000000000001-200000000000000 yd.	200000000000001-300000000000000 yd.	300000000000001-400000000000000 yd.	400000000000001-500000000000000 yd.	500000000000001-600000000000000 yd.	600000000000001-700000000000000 yd.	700000000000001-800000000000000 yd.	800000000000001-900000000000000 yd.	900000000000001-1000000000000000 yd.	1000000000000001-1200000000000000 yd.	1200000000000001-1500000000000000 yd.	1500000000000001-2000000000000000 yd.	2000000000000001-3000000000000000 yd.	3000000000000001-4000000000000000 yd.	4000000000000001-5000000000000000 yd.	5000000000000001-6000000000000000 yd.	6000000000000001-7000000000000000 yd.	7000000000000001-8000000000000000 yd.	8000000000000001-9000000000000000 yd.	9000000000000001-10000000000000000 yd.	10000000000000001-12000000000000000 yd.	12000000000000001-15000000000000000 yd.	15000000000000001-20000000000000000 yd.	20000000000000001-30000000000000000 yd.	30000000000000001-40000000000000000 yd.	40000000000000001-50000000000000000 yd.	50000000000000001-60000000000000000 yd.	60000000000000001-70000000000000000 yd.	70000000000000001-80000000000000000 yd.	80000000000000001-90000000000000000 yd.	90000000000000001-100000000000000000 yd.	100000000000000001-120000000000000000 yd.	120000000000000001-150000000000000000 yd.	150000000000000001-200000000000000000 yd.	200000000000000001-300000000000000000 yd.	300000000000000001-400000000000000000 yd.	400000000000000001-500000000000000000 yd.	500000000000000001-600000000000000000 yd.	600000000000000001-700000000000000000 yd.	700000000000000001-800000000000000000 yd.	800000000000000001-900000000000000000 yd.	900000000000000001-1000000000000000000 yd.	1000000000000000001-1200000000000000000 yd.	1200000000000000001-1500000000000000000 yd.	1500000000000000001-2000000000000000000 yd.	2000000000000000001-3000000000000000000 yd.	3000000000000000001-4000000000000000000 yd.	4000000000000000001-5000000000000000000 yd.	5000000000000000001-6000000000000000000 yd.	6000000000000000001-7000000000000000000 yd.	7000000000000000001-8000000000000000000 yd.	8000000000000000001-9000000000000000000 yd.	9000000000000000001-10000000000000000000 yd.	10000000000000000001-12000000000000000000 yd.	12000000000000000001-15000000000000000000 yd.	15000000000000000001-20000000000000000000 yd.	20000000000000000001-30000000000000000000 yd.	30000000000000000001-40000000000000000000 yd.	40000000000000000001-50000000000000000000 yd.	50000000000000000001-60000000000000000000 yd.	60000000000000000001-70000000000000000000 yd.	70000000000000000001-80000000000000000000 yd.	80000000000000000001-90000000000000000000 yd.	90000000000000000001-100000000000000000000 yd.	100000000000000000001-120000000000000000000 yd.	120000000000000000001-150000000000000000000 yd.	150000000000000000001-200000000000000000000 yd.	200000000000000000001-300000000000000000000 yd.	300000000000000000001-400000000000000000000 yd.	400000000000000000001-500000000000000000000 yd.	500000000000000000001-600000000000000000000 yd.	600000000000000000001-700000000000000000000 yd.	700000000000000000001-800000000000000000000 yd.	800000000000000000001-900000000000000000000 yd.	900000000000000000001-1000000000000000000000 yd.	1000000000000000000001-1200000000000000000000 yd.	1200000000000000000001-1500000000000000000000 yd.	1500000000000000000001-2000000000000000000000 yd.	2000000000000000000001-3000000000000000000000 yd.	3000000000000000000001-4000000000000000000000 yd.	4000000000000000000001-5000000000000000000000 yd.	5000000000000000000001-6000000000000000000000 yd.	6000000000000000000001-7000000000000000000000 yd.	7000000000000000000001-8000000000000000000000 yd.	8000000000000000000001-9000000000000000000000 yd.	9000000000000000000001-10000000000000000000000 yd.	10000000000000000000001-12000000000000000000000 yd.	12000000000000000000001-15000000000000000000000 yd.	15000000000000000000001-20000000000000000000000 yd.	20000000000000000000001-30000000000000000000000 yd.	30000000000000000000001-40000000000000000000000 yd.	40000000000000000000001-50000000000000000000000 yd.	50000000000000000000001-60000000000000000000000 yd.	60000000000000000000001-70000000000000000000000 yd.	70000000000000000000001-80000000000000000000000 yd.	80000000000000000000001-90000000000000000000000 yd.	90000000000000000000001-100000000000000000000000 yd.	100000000000000000000001-120000000000000000000000 yd.	120000000000000000000001-150000000000000000000000 yd.	150000000000000000000001-200000000000000000000000 yd.	200000000000000000000001-300000000000000000000000 yd.	300000000000000000000001-400000000000000000000000 yd.	400000000000000000000001-500000000000000000000000 yd.	500000000000000000000001-600000000000000000000000 yd.	600000000000000000000001-700000000000000000000000 yd.	700000000000000000000001-800000000000000000000000 yd.	800000000000000000000001-900000000000000000000000 yd.	900000000000000000000001-1000000000000000000000000 yd.	1000000000000000000000001-1200000000000000000000000 yd.	1200000000000000000000001-1500000000000000000000000 yd.	1500000000000000000000001-2000000000000000000000000 yd.	2000000000000000000000001-3000000000000000000000000 yd.	3000000000000000000000001-4000000000000000000000000 yd.	4000000000000000000000001-5000000000000000000000000 yd.	5000000000000000000000001-6000000000000000000000000 yd.	6000000000000000000000001-7000000000000000000000000 yd.	7000000000000000000000001-8000000000000000000000000 yd.	8000000000000000000000001-9000000000000000000000000 yd.	9000000000000000000000001-10000000000000000000000000 yd.	10000000000000000000000001-12000000000000000000000000 yd.	12000000000000000000000001-15000000000000000000000000 yd.	15000000000000000000000001-20000000000000000000000000 yd.	20000000000000000000000001-30000000000000000000000000 yd.	30000000000000000000000001-40000000000000000000000000 yd.	40000000000000000000000001-50000000000000000000000000 yd.	50000000000000000000000001-60000000000000000000000000 yd.	60000000000000000000000001-70000000000000000000000000 yd.	70000000000000000000000001-80000000000000000000000000 yd.	80000000000000000000000001-90000000000000000000000000 yd.	90000000000000000000000001-100000000000000000000000000 yd.	100000000000000000000000001-120000000000000000000000000 yd.	120000000000000000000000001-150000000000000000000000000 yd.	150000000000000000000000001-200000000000000000000000000 yd.	200000000000000000000000001-300000000000000000000000000 yd.	300000000000000000000000001-400000000000000000000000000 yd.	400000000000000000000000001-500000000000000000000000000 yd.	500000000000000000000000001-600000000000000000000000000 yd.	600000000000000000000000001-700000000000000000000000000 yd.	700000000000000000000000001-800000000000000000000000000 yd.	800000000000000000000000001-900000000000000000000000000 yd.	900000000000000000000000001-1000000000000000000000000000 yd.	1000000000000000000000000001-1200000000000000000000000000 yd.	1200000000000000000000000001-1500000000000000000000000000 yd.	1500000000000000000000000001-2000000000000000000000000000 yd.	2000000000000000000000000001-3000000000000000000000000000 yd.	3000000000000000000000000001-4000000000000000000000000000 yd.	4000000000000000000000000001-5000000000000000000000000000 yd.	5000000000000000000000000001-6000000000000000000000000000 yd.	6000000000000000000000000001-7000000000000000000000000000 yd.	7000000000000000000000000001-8000000000000000000000000000 yd.

19/8/57

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 625

Summary of observations compiled from returns of official stations and voluntary observers

Volume 74 Number 5

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6374 2

May 1957—Generally dry, sunny in western districts

The weather during May was divided into three distinct phases. The first six days, which were dry and dominated by a large anticyclone to the west of Ireland, constituted a continuation of the settled spell during the latter part of April. Most of the month's rain fell during the second phase, an unsettled cyclonic period which extended from the 7th to the 20th. The last eleven days were again anticyclonic and dry.

At the beginning of the month the upper air flow over the Atlantic was dominated by a deep trough near the Canadian seaboard and a high in the eastern Atlantic. Weather over the British Isles during the first two or three days was warm and sunny; on the 2nd temperatures exceeded 70°F. in Western Scotland, and on the 3rd, although colder air had reached Scotland from the north, afternoon temperatures in the south of England rose well into the sixties and reached 70°F. locally on the south coast. With the spread of arctic air southward over the country the temperature at most places on the 4th was 10°F. lower than the previous day and with a temporary freshening of the northerly winds on the 5th snow showers in eastern England occurred as far south as the Channel coast on the 5th and 6th. The lowest temperatures of the month occurred around the 6th when there was widespread ground, and local air, frost. Winds backed toward south on the 7th as pressure fell over the British Isles and a blocking high over the Norwegian Sea moved away eastwards; milder air spread over the whole country from the Atlantic and fronts moved eastward into Ireland and western England bringing widespread rain and a marked change in the weather on the 7th and 8th. On the 9th a front became slow-moving giving heavy and prolonged rain in some districts, but in the extreme west weather was fine with more than 10 hr. of sunshine at some places. The following day extensive early morning fog persisted until mid-day in many parts of central and southern England, but an eastward extension of the deep upper trough off Canada resulted, on the 11th and 12th, in the intensification of the low latitude zonal flow across the Atlantic, and one centre of a large complex depression was swept into our south-west approaches and carried north-east over the country giving outbreaks of thundery rain and scattered thunderstorms. Pressure remained low to the west of Ireland during the next few days and there were further such outbreaks during this time especially on the 16th, which at many places was the wettest day of the month, when a small secondary depression, accompanied by strong winds and heavy showers, moved from the Irish Sea to the northern North Sea. On the 17th a depression formed off south-west England on a trailing cold front and continued to deepen as it moved up the Irish Sea and thence to north-east Scotland; rain was widespread, and was heavy in places near the centre of the depression, both Valley and Ronaldsway recording nearly an inch in 12 hr. As the depression moved away northward pressure over the British Isles rose to a higher level on the 19th than had been reached on any day since the 6th, and after the passage of a further rain-belt on the 20th, high pressure became established over the whole country and brought to an end the rather wet spell of the previous two weeks. For most of the remainder of the month the highest pressure was to the north or north-west of Scotland with easterly winds in the south, which were strong at times in the English Channel. By the 24th a deep upper trough had formed in central Atlantic with considerable meridional flow to the east and a weak blocking pattern in the region of the British Isles. The 26th and 27th were particularly sunny, with more than 14 hr. of sunshine at some places, and together with the 31st, were the warmest days of the month, but on the 28th dull weather reached Scotland and spread slowly south. During the last three days of the month a ridge of high pressure extended over the British Isles from an anticyclone centred near the Azores, and although there was a good deal of cloud in the east and Midlands the west of England had long sunny periods.

Pressure and wind. Pressure was everywhere above the average, the excess at 9 h. ranging from 2.5 mb. at Southampton and Aldergrove to

4.1 mb. at Stornoway. Surface winds were mainly from a northerly direction until the 6th and a southerly direction from 7th to 18th, becoming predominantly north-westerly on the 19th and 20th. Winds were south-easterly in the western part of the country on the 21st and 22nd, otherwise they were generally from between east and north-east from 21st until the end of the month. Gales occurred in Scotland locally on the 3rd, 5th and 19th, and in England and Wales on the 5th, 6th, 17th, 18th and 24th–27th; they were fairly widespread in the Midlands and south-east England on the 24th and in the west of England on the 18th when gusts of 54 kt. and 56 kt. were recorded at Fleetwood and Bidston Observatory respectively.

Temperature. Mean temperature was generally below the 1921–50 average, the deficit being 1.1°F. in England and Wales, 0.4°F. in Scotland and 0.4°F. in Northern Ireland. Lowest temperatures occurred on the 6th and 7th, on the former date 11°F. was recorded on the ground and 20°F. in the screen at Leadhills, and on the latter, screen temperature fell to 26°F. at Dyce, the lowest recorded there during May for 15 yr. The last week of the month was the warmest, in Scotland 70°F. was exceeded at several places on the 26th and 27th while in England temperature was highest on the 31st.

Extreme temperatures for the month included:—(England and Wales) 76°F. at Wakefield on the 31st, 23°F. at Lincoln and Moor House on the 6th and 7th respectively; (Scotland) 74°F. at Colonsay on the 27th, 19°F. at Kincaig on the 7th; (Northern Ireland) 69°F. at Armagh on the 27th, 27°F. at Aldergrove on the 6th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 83 over England and Wales, 74 over Scotland and 80 over Northern Ireland. Less than half the average occurred in Cambridgeshire and locally in adjacent counties, in parts of Yorkshire, Nottinghamshire, Derbyshire and in west and north-east Scotland. More than the average occurred locally in Wiltshire and Dorsetshire, in the southern part of Devonshire and Cornwall, in parts of west Wales, north-west England, south-west Scotland and the south-eastern part of Northern Ireland.

Among the heavier falls in 24 hr. were:—

8th 4.40 in. at Annalong (Belfast Waterworks), Co. Down, and 1.07 in. at Hartland Point, Devonshire.

17th 0.91 in. at Princetown, Devonshire.

18th 1.08 in. at Huntly, Aberdeenshire.

Thunderstorms occurred over a wide area in Scotland from 11th to 16th and were also recorded on the 4th and 17th. In England and Wales they were reported widely on the 11th and 12th, moderately widely on the 15th, 16th and 19th and also occurred on 8 other days between the 8th and 23rd.

Snow and sleet showers were frequent in Scotland from 3rd to 7th and occurred in eastern England and the Midlands on the 5th and 6th. On the 5th they were reported as far south as East Anglia and Thanet and the following day in the London area and at Hastings.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 110 over England and Wales, 107 over Scotland and 108 over Northern Ireland. The western part of the country was generally sunnier than the east; Tenby recorded 140 per cent. of its usual amount of sunshine for May.

Fog. Early morning fog was reported locally on 10 days in Scotland and 12 days in England and Wales. Fog was fairly extensive on the 10th and 11th when it persisted locally until about mid-day. Patches of sea and coast fog occurred in the extreme south-west from 17th to 20th.

Miscellaneous Phenomena. The aurora was visible on 13 nights in Scotland.

TABLE I—DISTRICT VALUES—MAY, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	73	19	0.0	-1.6	-0.8	—	—	77	-3	99
Eastern 1 SCOTLAND, E.	70	21	-0.1	-0.5	-0.2	—	—	64	-3	108
2 ENGLAND, N.E.	72	23	-1.0	-1.0	-1.0	+0.4	+1.1	66	-1	117
3 ENGLAND, E.	73	26	-2.0	-0.9	-1.4	-1.1	0.0	70	0	102
4 MIDLAND COUNTIES	76	26	-1.8	-1.1	-1.5	-0.5	+1.7	66	-3	108

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	75	26	-1.9	-1.0	-1.5	-1.1	+1.0	84	0	106
Western 6 SCOTLAND, W.	74	20	+0.1	-0.7	-0.2	+0.5	+0.5	93	-2	114
7 ENGLAND, N.W. (and N. Wales)	72	23	-0.8	-0.9	-0.9	-0.7	+0.5	79	-3	111
8 ENGLAND, S.W. (and S. Wales)	72	26	-0.2	-0.9	-0.6	+0.8	+2.2	101	-2	117
NORTHERN IRELAND	69	27	-0.3	-0.5	-0.4	—	—	—	-4	108

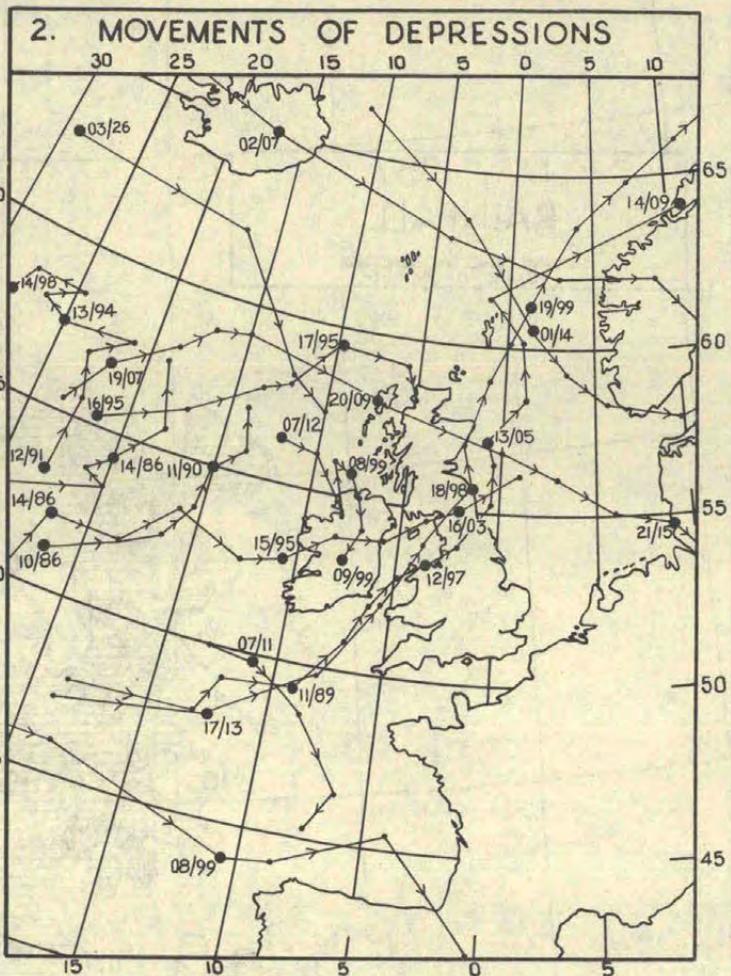
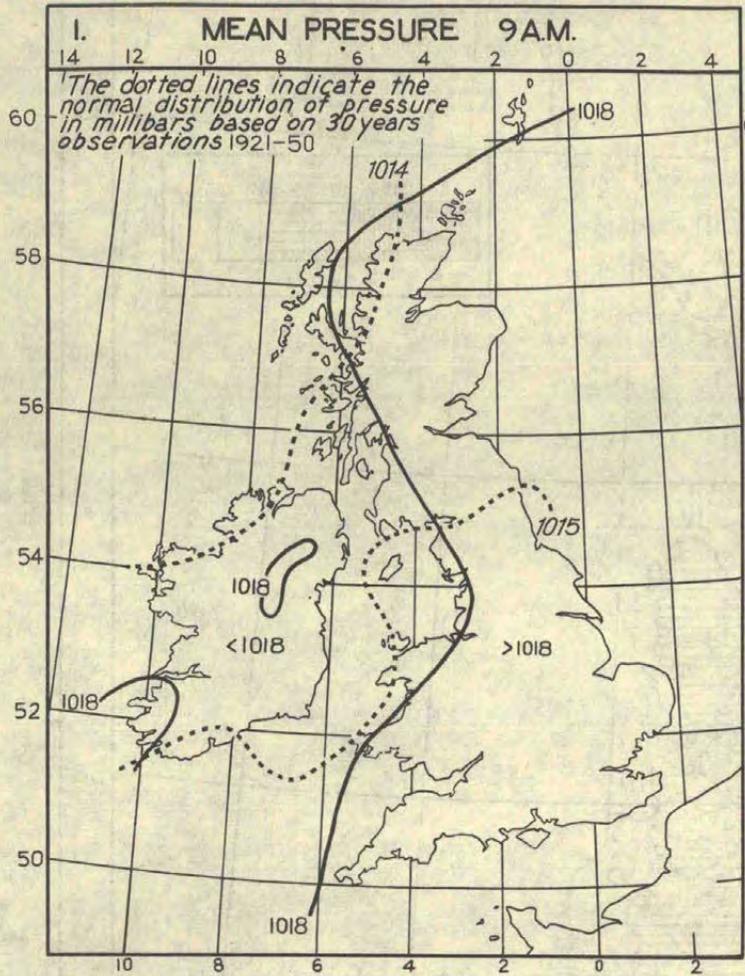
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—MAY, 1957

[1914]

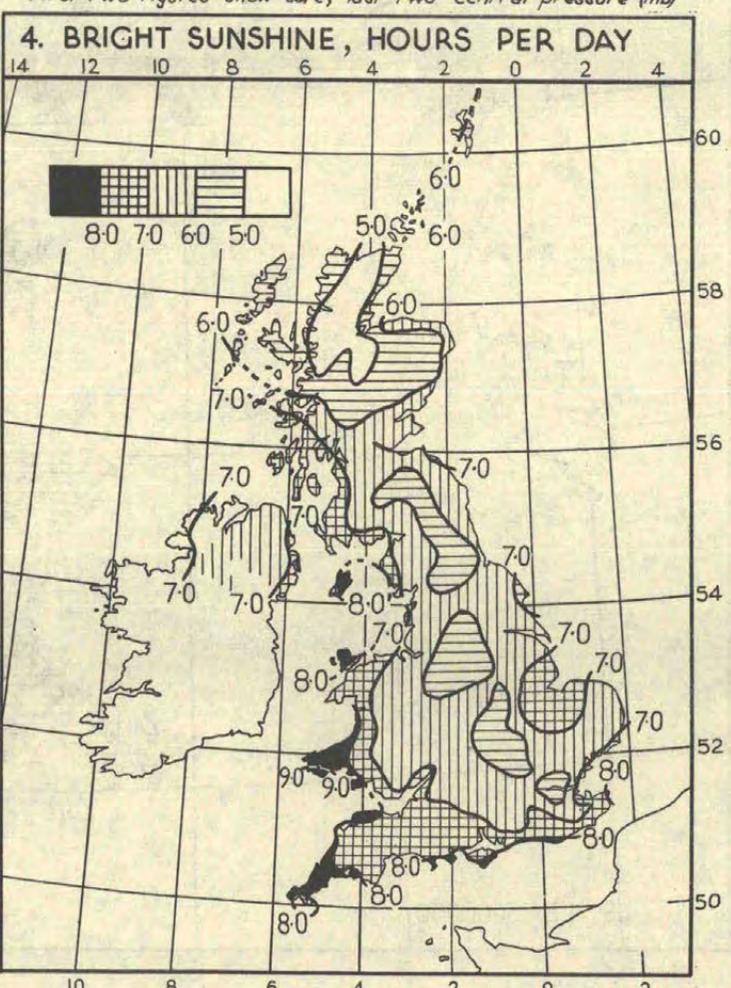
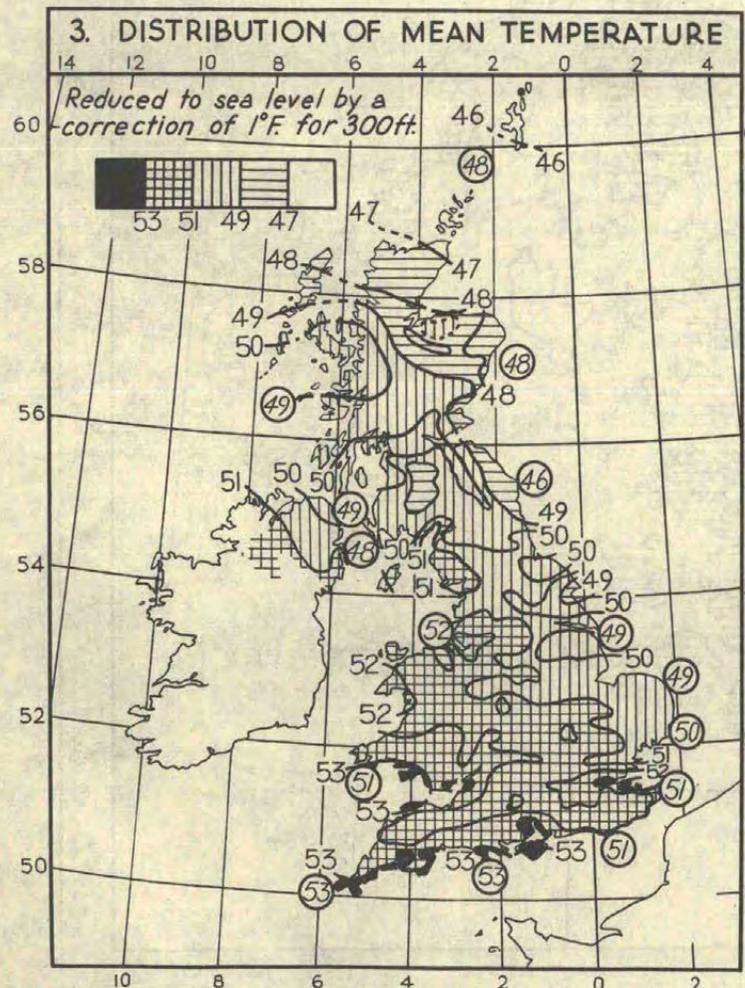
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	Highest Hourly Wind			Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time		
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.		
SCOTLAND																			
0 Shetland Lerwick	310	53	37	5, 19	4	7	75	232	346	87	0	11.0	340	36	19 11	51	19	1015	
Orkney Grimsetter					0	6	21	306	272	145	0	9.7	030	30	20 19	44	20	1824	
Caithness Halkirk					0	6	32	300	260	152	0	9.9	260	26	20 15	43	17	1405	
Ross & Cromarty Stornoway (Coastguard)	120	40	36	—	0	3	9	167	302	266	0	6.5	340	24	5 16	39	5	1615	
Inverness Benbecula	69	51	35	—	0	0	0	182	369	193	0	7.2	240	21	17 11	35	17	1212	
1 Aberdeen Dyce	225	40	40	—	0	0	0	188	401	155	0	7.4	230	20	17 13	36	17	0950	
Angus Bell Rock Lighthouse	128	131	124	—	0	6	22	397	244	81	0	11.3	140	26	23 08	43	17	1250	
5ife Leuchars	79	41	41	—	0	0	0	45	415	284	0	4.8	310	20	3 10	37	3	0950	
Midlothian Edinburgh	485	39	23	—	0	2	3	211	411	119	0	8.2	300	24	3 11	39	17	1045	
6a Argyll Tiree	89	60	47	—	0	0	0	84	379	281	0	5.4	160	17	15 15	32	17	1100	
Bute Millport	50	34	34	—	0	0	0	115	363	266	0	5.9	200	21	14 14	35	14	1320	
Renfrew Paisley	188	81	31	—	0	0	0	301	312	51	76	10.0	360	25	24 09	45	24	1035	
Ayr Renfrew	71	41	39	—	0	2	9	444	216	3	0	13.9	040	34	25 16	49	25	1410	
Ayr Prestwick	80	50	40	—	0	0	0	159	396	189	0	7.2	050	19	24 22	38	24	2150	
Dumfries Eskdalemuir	825	50	35	—	0	8	39	271	314	116	4	9.9	260	27	12 14	41	18	0210	
ENGLAND AND WALES																			
6b Isle of Man Point of Ayre ..	70	40	35	—	0	3	4	301	313	120	6	9.4	140	23	8 24	34	17	1100	
2 Durham Durham	399	53	33	—	0	0	0	201	326	217	0	6.9	290	19	20 23	38	13	1700	
South Shields	73	57	44	—	0	3	15	195	381	153	0	7.9	355	25	5 15	39	5	1445	
Yorks., N.R. Linton-on-Ouse ..	73	27	33	—	0	7	45	397	275	27	0	12.4	340	31	5 14	42	5	0945	
Yorks., E.R. Spurn Head	64	44	34	—	0	2	6	218	328	157	35	8.2	270	23	16 18	34	16	1728	
Lincoln Cranwell	288	47	47	—	0	0	0	225	426	93	0	8.4	070	21	27 12	43	24	1120	
3 Norfolk Gorleston	52	42	34	—	0	0	0	154	322	264	0	6.3	070	25	26 13	45	26	1300	
Suffolk Felixstowe	85	75	65	—	0	4	17	313	278	136	0	9.8	050	24	25 14	47	25	1255	
Mildenhall	98	83	60	—	0	1	1	217	370	156	0	8.0	070	22	26 17	44	12	1845	
Bedford Cardington	285	150	135	—	0	7	28	288	277	151	0	9.5	210	27	18 06	43	24	1935	
Dunstable	567	55	33	—	0	2	5	156	443	140	0	7.4	070	23	26 12	35	24	1225	
Herts. Stevenage	564	111	65	—	0	1	4	301	312	51	76	10.0	360	25	24 09	45	24	1035	
Essex Shoeburyness	115	104	89	25	2	9	79	444	216	3	0	13.9	040	34	25 16	49	25	1410	
4 Warwick Birmingham	643	118	73	—	0	0	0	159	396	189	0	7.2	050	19	24 22	38	24	2150	
Stafford Keele	706	50	40	—	0	8	39	271	314	116	4	9.9	260	27	12 14	41	18	0210	
Gloucester Avonmouth	92	61	33	—	0	0	0	94	508	142	0	6.4	100	18	26 13	33	26	1235	
5 London Kingsway	231	160	40	—	0	0	0	225	426	93	0	8.4	070	21	27 12	43	24	1120	
Middlesex Hampton	139	101	100	—	0	1	4	154	322	264	0	6.3	070	25	26 13	45	26	1300	
Surrey Croydon	313	105	70	—	0	3	8	253	364	119	0	8.8	070	25	26 13	45	24	1125	
Kent Dover	66	36	60	—	0	5	62	289	300	93	0	10.8	040	30	25 17	48	25	1605	
Dungeness	70	50	33	—	0	3	39	305	344	45	11	10.9	050	29	26 16	43	26	1705	
Isle of Grain	48	40	33	—	0	1	1	240	324	179	0	8.1	010	24	24 13	40	24	1240	
Sussex Thorney Island	75	65	42	—	0	0	0	94	365	285	0	5.4	270	18	13 15	39	26	1340	
Hants. S. Farnborough	318	69	35	—	0	3	3	289	360	92	0	9.7	020	24	24 11	43	24	1115	
Berks. Abingdon	250	40	40	—	0	6	37	281	354	72	0	10.4	360	29	24 12	45	24	1440	
Wiltshire Larkhill	491	51	36	—	0	5	17	257	333	137	0	8.9	060	23	27 13	39	24	1425	
Porton	406	44	44	—	0	0	0	130	322	284	8	5.8	340	19	18 12	40	15	1817	
7a Cumberland Sellafield	83	39	35	—	0	7	38	314	256	100	36	10.7	230	28	15 03	43	3	1055	
Westmorland Moor House	1960	50	45	—	0	8	49	324	292	77	0	11.1	300	39	18 11	54	18	0950	
Lancashire Fleetwood	112	50	31	18	0	5	19	215	386	120	4	8.7	260	32	18 11	49	18	1000	
Southport	63	45	36	—	0	12	48	424	232	39	0	12.3	220	36	18 08	51	18	0805	
Speke	180	100	65	18	0	2	7	192	472	73	0	—	270	32	18 09	56	18	0810	
Cheshire Bidston Observatory	262	64	39	—	0	3	4	287	369	84	0	9.5	230	23	18 09	40	18	0450	
Manchester Airport	318	70	30	—	0	7	38	224	324	158	0	9.0	200	30	15 22	44	18	0535	
7b Anglesey Holyhead (Valley) ..	76	50	40	—	0	5	18	351	245	130	0	10.3	350	26	24 17	46	15	1125	
8a Cardigan Aberporth	483	41	41	—	0	3	10	306	351	77	0	9.6	240	25	15 22	39	15	2155	
Pembroke Kete	249	49	37	—	0	3	7	275	322	113	27	9.1	(020) 23	24	18 42	42	24	1645	
Milford Haven	246	50	35	—	0	5	22	349	270	103	0	10.6	090	26	24 22	46	24	2130	
Glamorgan Port Talbot	91	40	35	—	0	6	34	285	328	95	0	10.3	—	36	18 01	45	18	0055	
8b Devon Plymouth	191	88	65	17, 18	2	15	102	336	193	112	0	12.5	200	34	17 24	46	17	2300	
Cornwall The Lizard	315	75	60	17	1	0	0	210	397	137	0	8.0	140	20	15 15	33	14	0730	
NORTHERN IRELAND																			
Antrim Aldergrove	281	65	65	—	0	0	0	210	397	137	0	8.0	140	20	15 15	33	14	0730	
Londonderry Eglinton	79	61	51	—	0	4	12	319	207	206	0	9.0	270	25	15 21	40	16	0405	
SCILLY ISLES																			
St. Mary's	230	65	57	—	0	4	12	319	207	206									

MONTHLY WEATHER CHARTS

MAY 1957



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



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

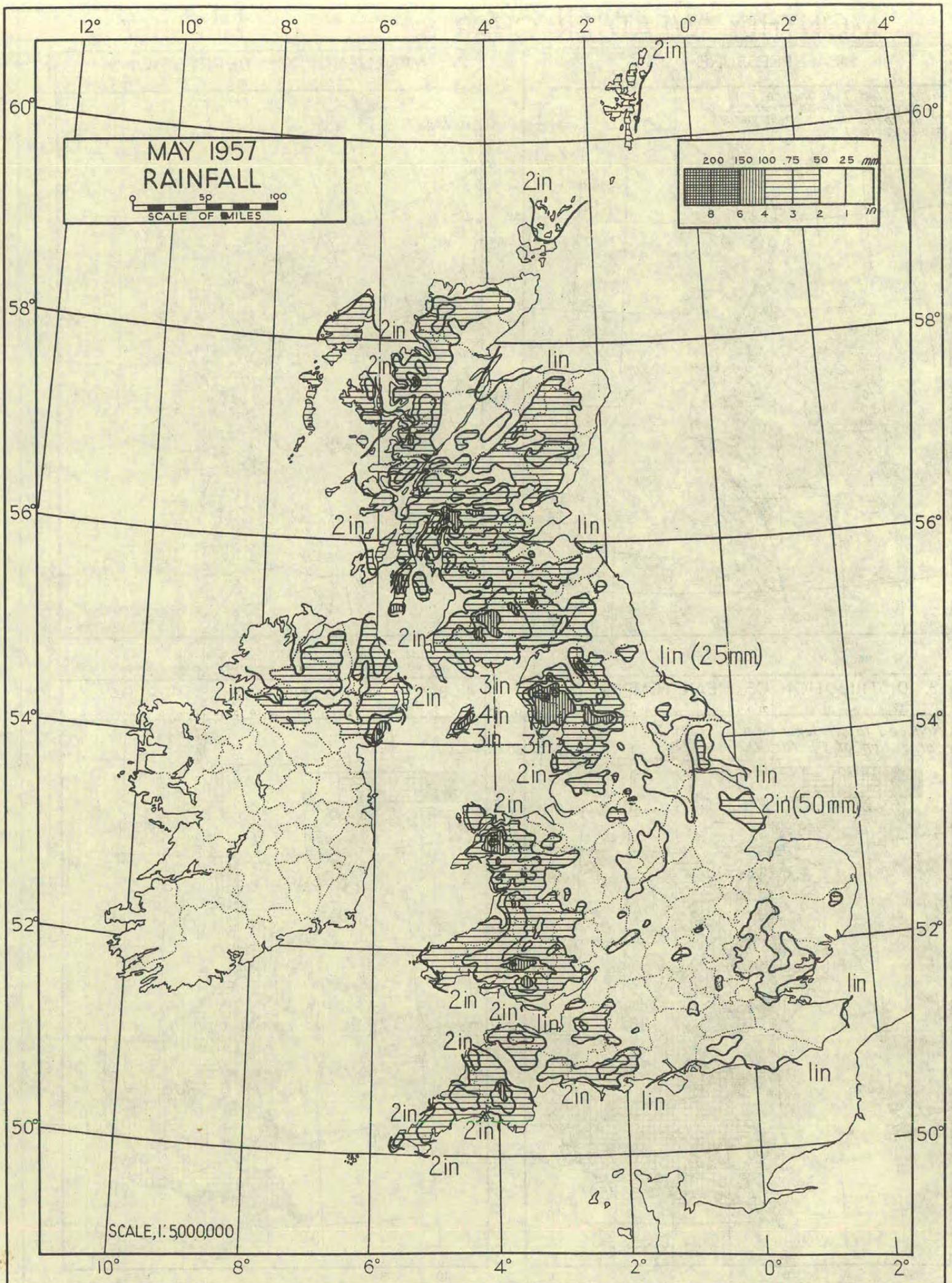


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY, 1957

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean, Difference); Highest Maximum and Lowest Minimum; Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather (Number of days for various conditions); and Bright Sunshine (Daily Mean, Percentage of Average).

* Faskally.

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY, 1957

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				Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.2 mm.)	Precip'n (0.1 mm.)	Snow or Sleet	Snow lying	Hall	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average		
			A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date														
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.													hr.	%	
8 ENGLAND, E																														
Norfolk	Burlingham	9 9 9	89	57.9	43.3	50.6	-	67	14,31	30	8	-	-	1.43	-	.45	23	14	12	2	0	4	1	0	1	5	0	6.75	-	
	Cromer	9 9 9	178	58.1	43.5	50.8	-0.9	69	15	31	8	-	-	1.11	66	.22	8	15	9	0	0	0	1	0	1	5	0	6.16	97	
	Gorleston	21-9 9	5	55.2	45.3	50.3	-1.1	63	14	34	7	53.3	51.1	1.39	80	.47	23	12	8	1	0	3	1	0	1	0	6.94	103		
	Marham	21-9 9	76	58.1	42.3	50.2	-	70	31	30	7	-	-	.90	-	.17	12	14	9	0	0	4	3	0	2	3	0	-	-	
	Sprowston	9 9 9	93	58.0	42.2	50.1	-1.8	69	31	26	8	-	-	1.16	63	.34	23	19	7	1	0	3	4	-	1	8	-	5.87	89	
Suffolk	Terrington	9 9 9	13	58.4	42.2	50.3	-	70	31	29	7	51.5	-	1.48	-	.46	9	16	9	2	0	2	1	0	2	6	0	7.51	-	
	St. Clement	9 9 9	50	59.7	39.9	49.8	-	72	31	26	7	52.3	50.2	1.54	86	.52	12	10	9	2	0	1	4	2	6	-	-	-		
	Thetford	9 9 9	250	56.6	42.1	49.3	-	69	31	30	8	-	-	1.29	-	.20	8	15	9	0	0	3	3	0	2	4	0	7.15	-	
	West Raynham	21-9 9	14	60.4	40.9	50.7	-	67	31	29	7	-	-	1.37	-	.32	23	14	9	0	0	2	3	0	1	10	0	-	-	
	East Bergholt	9 9 9	10	56.1	45.7	50.9	-1.5	65	3,31	33	7	-	-	1.55	117	.37	8,23	12	8	0	0	2	2	0	0	1	10	7.49	104	
Cambridge	Felixstowe	21-9 9	125	59.0	42.0	50.5	-	67	31	29	7	51.3	50.2	1.70	-	.33	16	14	11	1	0	2	2	0	1	10	6.45	-		
	Ipswich, Belstead	9 9 9	82	56.4	43.8	50.1	-1.4	66	31	32	7	53.3	51.0	1.39	86	.55	23	12	10	0	0	2	1	0	1	2	-	6.90	101	
	Lowestoft	9 9 9	15	59.2	42.9	51.1	-	72	31	29	7	-	-	.92	57	.19	12	12	8	0	0	2	3	0	2	6	0	7.12	-	
	Mildenhall	21-9 9	82	59.2	42.9	51.1	-	72	31	29	7	-	-	1.07	62	.29	12	12	7	0	0	3	0	3	4	0	6.69	-		
	Boxworth	9 9 9	157	59.5	41.6	50.5	-	72	31	31	7	-	-	1.07	62	.16	12	11	5	0	0	1	1	-	1	7	0	6.65	109	
Huntingdon	*Cambridge Bot. Gdn.	9 9 9	41	60.7	42.5	51.6	-1.5	73	31	30	7	53.6	51.3	.70	40	.16	12	11	5	0	0	1	1	-	1	7	0	6.65	109	
	Wyton	21-9 9	129	59.6	42.0	50.8	-	72	31	29	8	-	-	1.28	-	.39	12	13	8	0	0	3	0	1	5	0	-	-		
	Bedford	21-9 9	93	60.0	40.0	50.0	-	72	31	27	6	-	-	1.23	-	.35	18	11	6	0	0	3	0	3	9	0	6.42	-		
	Dunstable	21-9 9	516	57.8	41.9	49.9	-	69	31	30	6	51.5	49.4	1.07	-	.31	9	11	8	1	0	1	2	1	1	4	0	5.95	-	
	Goldington	21-9 9	107	59.5	42.6	51.1	-	73	31	34	6,7	-	-	1.12	-	.25	9	12	7	0	0	1	3	0	0	5	0	-	-	
Hertford	Harrold	9 9 9	150	59.8	40.2	50.0	-	71	31	29	6	53.5	50.5	1.78	-	.85	9	11	8	0	0	1	0	3	0	0	5	0	-	-
	Luton	9 9 9	379	59.0	41.2	50.1	-2.0	71	31	31	7	50.3	48.9	.89	47	.19	9	10	8	-	0	-	0	2	13	-	5.59	92		
	Silsoe	9 9 9	195	59.8	41.5	50.7	-	71	31	30	7	52.6	50.0	1.10	61	.42	18	8	6	0	0	1	1	0	1	13	0	6.47	-	
	Woburn	9 9 9	291	59.0	41.0	50.0	-2.0	71	31	30	6,7	52.3	50.0	1.34	69	.35	18	11	7	0	0	2	-	2	6	-	5.70	94		
	Bayfordbury	9 9 9	221	58.9	40.4	49.7	-	70	31	28	7	-	-	.63	36	.16	8	10	7	0	0	0	1	-	3	8	0	5.71	-	
Essex	Bovingdon	21-9 9	516	57.7	41.1	49.4	-	70	31	32	6	-	-	1.39	-	.36	9	11	8	0	0	3	2	0	1	11	0	-	-	
	Eastwick Lodge	9 9 9	137	59.5	41.0	50.3	-	72	31	29	7	-	-	.68	-	.16	16	14	5	-	-	-	0	4	-	-	-	-		
	Garston	9 9 9	250	60.0	42.1	51.1	-	72	31	33	6	-	-	1.02	-	.20	18	11	7	-	0	-	-	0	5	-	-	-		
	Rothamsted	9 9 9	420	58.6	41.4	50.0	-1.8	70	31	33	7	51.6	48.4	1.28	66	.23	18	11	10	0	0	3	0	0	4	0	6.35	106		
	St. Albans	9 9 9	272	59.4	41.2	50.3	-2.0	71	31	32	7	52.0	-	1.29	72	.26	18	10	9	0	0	1	0	1	0	1	6	-	-	
Essex	Clacton	9 9 9	53	56.4	41.5	48.9	-	65	3	28	7	54.0	52.2	1.14	80	.41	8	10	5	0	0	1	0	0	2	2	-	7.73	109	
	Coryton	9 9 9	9	59.8	44.6	52.2	-	68	31	32	7	54.7	53.3	1.37	-	.37	8,16	14	9	-	0	-	0	1	2	-	-	-		
	Dovercourt	9 9 9	47	58.2	43.1	50.7	-	66	31	31	7	-	-	1.31	-	.36	8	10	7	-	-	-	0	1	3	0	7.03	-		
	Earls Colne	9 9 9	160	59.9	41.8	50.9	-	70	31	30	7	53.4	51.8	.99	61	.20	9	11	8	1	0	1	1	-	1	8	-	-		
	East Ham	9 9 9	11	60.8	49.1	52.9	-1.6	72	31	37	7	-	-	.98	62	.26	8	11	8	0	0	2	0	0	0	-	-	-		
Essex	Maldon	9 9 9	14	58.8	42.7	50.7	-	68	31	34	6,7,31	-	-	.90	-	.23	8	12	7	0	-	0	1	0	0	-	6.56	-		
	Saffron Walden	9 9 9	295	-	41.6	-	-	-	-	32	7	50.3	48.1	.51	-	.08	23	11	7	0	0	1	0	-	0	1	0	-	-	
	Shoeburyness	21-9 9	11	58.4	45.3	51.9	-0.9	67	3	33	7	-	-	1.30	100	.54	8	13	6	0	0	2	1	0	0	6	0	7.11	101	
	Southeast	9 9 9	90	59.9	45.0	52.5	-	67	3,15	35	6	-	-	1.24	86	.40	8	12	7	0	0	1	1	0	0	0	6.57	94		
	Stansted	9 9 9	330	59.0	42.4	50.7	-	71	31	32	7	-	-	.55	-	.09	8,9	10	7	0	0	2	2	0	1	7	0	-	-	
Writtle	9 9 9	105	59.7	41.7	50.7	-	71	31	31	7	-	-	1.08	-	.21	12	15	7	0	0	3	1	0	2	7	0	5.61	-		
4 MIDLAND COUNTIES																														
Yorks., W. Riding	Askham Bryan	9 9 9	90	59.5	39.9	49.7	-	70	31	28	7	-	-	1.04	52	.43	19	10	8	-	0	-	-	0	2	3	0	6.27	-	
	Bingley	9 9 9	610	56.7	40.9	48.8	-	66	31	32	6,7	-	-	1.17	-	.25	12	11	10	0	0	1	0	2	7	-	-	-		
	Bradford	9 9 9	439	57.0	42.5	49.7	-1.0	67	31	34	6,7	50.1	47.7	1.40	69	.26	12	12	10	-	-	-	1	0	7	-	-	-		
	Bramham	9 9 9	177	58.7	39.6	49.1	-	69	31	29	7	-	-	1.00	-	.23	19	12	9	0	0	2	1	3	6	0	6.34	-		
	Cawood	9 9 9	20	60.7	39.3	50.0	-	72	31	28	7	52.5	49.9	.65	35	.13	19	8	8	0	0	0	0	0	3	4	0	6.72	-	
Derby	Church Fenton	21-9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Huddersfield	21-9 9	325	58.5	42.0	50.3	-0.8	70	31	32	8	50.8	48.6	1.38	-	.82	12	10	5	-	0	-	5	1	10	-	4.88	102		
	(Oakes)	21-9 9	762	58.9	40.9	49.9	-0.4	72	31	30	6	51.0	47.3	1.28	54	.54	12	13	8	1	0	0	2	0	1	13	0	5.41	-	
	Ilkley	9																												

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average							
			A	B			Maximum	Date	Minimum																	Date	in.	%	in.	0.01 in. (0.2 mm.) or more	0.01 in. (0.2 mm.) or less	
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	0.01 in. (0.2 mm.) or more	0.01 in. (0.2 mm.) or less	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	hr.	%					
5 ENGLAND, S.E.—cont.																																
Sussex—cont.	Worthing	9 9 9	25	58.7	46.0	52.3	-1.2	65	28	36	6	54.0	52.2	.86	52	.25	8	11	5	0	0	0	0	0	0	0	0	0	1	7.86	105	
Berkshire	Abingdon	21-9 9	210	60.0	42.2	51.1	-	72	31	31	6	-	-	1.52	-	.34	9	10	7	0	0	0	2	2	0	1	5	0	6.72	-		
	Finchampstead	9 9 9	212	60.1	40.2	50.1	-	72	31	27	6	-	-	1.11	-	.26	12	9	8	0	0	0	1	2	0	2	6	0	6.35	-		
	Hurley	9 9 9	140	59.9	41.8	50.9	-	72	31	29	6	54.0	-	1.32	-	.27	11	11	9	0	0	0	1	2	0	2	4	2	6.12	-		
	Reading	9 9 9	148	60.5	43.6	52.1	-2.2	73	31	34	6	54.6	52.5	1.37	-	.29	11	12	9	0	0	0	2	0	0	0	4	-	6.44	-		
	Shinfield	9 9 9	200	59.4	42.9	51.1	-2.2	71	31	32	6	-	-	.96	56	.19	12.18	9	8	0	0	0	2	-	1	5	0	6.71	-			
	Wokingham	9 9 9	200	60.0	42.2	51.1	-	72	31	26	6	51.3	49.7	1.11	-	.24	12	10	9	0	0	0	1	0	2	-	-	-	-	-		
	Woolhampton	9 9 9	370	59.0	41.5	50.3	-	71	31	31	6	53.3	-	1.17	-	.28	8	11	7	0	0	0	0	0	1	3	1	-	-	-		
Hampshire	Alice Holt Lodge	9 9 9	378	59.2	41.9	50.5	-	70	31	30	6	-	-	1.20	63	.22	8	14	8	0	0	0	0	1	1	12	-	6.05	-	-		
	Blackbushe	21-9 9	325	60.2	42.7	51.5	-	72	31	31	6	-	-	1.19	-	.35	12	9	8	0	0	0	0	0	1	6	0	-	-	-		
	Bournemouth	9 9 9	130	59.2	44.3	51.7	-2.0	67	3	35	6	53.7	52.4	1.65	94	.38	11	11	7	0	0	0	1	1	0	0	3	0	8.02	116		
	Everton	9 9 9	51	60.2	43.9	52.1	-	69	21	32	6	-	-	1.03	-	.20	17	10	9	0	0	0	1	0	1	1	0	7.55	-	-		
	Hayling Island	9 9 9	13	59.4	44.8	52.1	-	67	3,25	33	6	-	-	.58	-	.13	17	11	6	0	0	0	2	-	0	-	0	7.58	-	-		
	Leckford	9 9 9	385	59.5	41.6	50.5	-	70	31	31	6	52.0	-	1.78	-	.56	11	10	8	0	0	0	0	1	-	-	0	7.18	-	-		
	Long Sutton	9 9 9	512	59.5	40.4	49.9	-2.6	70	31	27	6	54.3	-	1.02	-	.23	8	14	6	0	0	0	2	3	-	-	6.52	100	-	-		
	Portsmouth	9 9 9	7	59.5	47.5	53.5	-1.3	67	3,25	41	1,7	55.2	53.1	.80	48	.19	17	10	6	0	0	0	0	3	-	-	7.62	104	-	-		
	Ringwood	9 9 9	250	61.2	42.8	52.0	-	68	3,25,31	32	6	54.6	52.0	1.75	-	.49	11	12	8	0	0	0	-	-	1	4	0	-	-	-		
	Southampton	2121 9	65	62.5	45.1	53.8	-0.5	70	3	33	6	-	-	1.57	79	.28	11,17	10	9	0	0	0	1	1	0	0	1	0	7.30	108	-	-
	S. Farnborough	21-9 9	226	59.6	42.5	51.1	-2.2	70	31	30	6	-	-	1.15	66	.23	8,12	12	7	0	0	0	1	0	1	10	0	6.51	100	-	-	
	Winchester	9 9 9	124	61.4	41.3	51.3	-	71	31	28	6	-	49.8	1.51	-	.30	8	9	8	0	0	0	1	0	2	2	0	6.81	-	-		
I. of Wight	Newport	9 9 9	60	61.2	45.3	53.3	-0.3	68	3	35	7	-	-	.78	-	.25	11	10	6	0	0	0	0	0	0	2	-	-	-	-		
	Ryde	9 9 9	15	59.8	45.7	52.7	-1.5	68	3	40	6	-	-	.66	-	.21	17	9	8	0	0	0	0	0	0	0	0	7.64	104	-	-	
	Sandown	9 9 9	13	60.3	46.3	53.3	-0.6	66	3,25	37	6	-	-	.66	-	.20	17	8	6	0	0	0	0	0	0	-	0	8.40	112	-	-	
	Shanklin	9 9 9	180	58.1	45.1	51.6	-	65	3,25	34	6	-	-	.84	-	.24	17	11	6	0	0	0	0	0	0	-	-	8.71	-	-		
	Ventnor Park	9 9 9	443	59.0	46.3	52.7	-	66	25	36	6	54.4	51.8	.65	37	.20	17	7	6	0	0	0	0	0	0	0	-	8.18	-	-		
Wiltshire	Boscombe Down	21-9 9	414	59.3	42.9	51.1	-	70	31	33	6	-	-	1.77	105	.52	8	11	6	0	0	0	0	0	0	4	0	7.29	-	-		
	Lacock (Lackham)	9 9 9	160	-	-	-	-	-	-	-	-	-	-	1.97	-	.51	9	9	9	0	0	0	0	1	-	0	-	-	-	-		
	Larkhill	9 9 9	431	58.9	41.3	50.1	-1.8	70	31	30	6	-	-	2.13	128	.45	11	11	9	0	0	0	0	0	1	5	1	-	-	-		
	Lynham	21-9 9	457	58.8	42.3	50.5	-	71	31	33	6	-	-	1.24	-	.59	9	10	8	0	0	0	1	0	0	5	0	7.30	-	-		
	Porton	9 9 9	362	59.3	41.1	50.2	-1.6	70	31	29	6	52.3	-	1.80	102	.74	8	9	9	0	0	0	0	2	11	2	7.25	110	-	-		
	Upavon	21-9 9	578	58.2	42.0	50.1	-	70	31	33	6,7	-	-	1.81	-	.46	11	10	9	0	0	0	0	0	0	3	0	-	-	-		
	West Lavington	9 9 9	305	-	39.8	-	-	-	-	29	1,6,7	-	-	1.75	-	.28	12	11	9	0	0	0	0	1	0	3	-	-	-	-		
7a ENGLAND, N.W.																																
Cumberland	Alston	9 9 9	1070	54.5	34.7	44.6	-	63	26	27	6	48.4	45.8	1.94	-	.43	16	13	10	2	0	0	3	1	0	7	12	-	6.08	-		
	Keswick	9 9 9	254	57.8	42.6	50.2	-0.9	67	26	31	6	51.6	49.1	2.87	90	.91	15	13	11	0	0	0	2	0	2	5	0	6.91	118	-	-	
	Newton Rigg	9 9 9	560	57.8	40.2	49.0	-1.1	66	26	29	6	-	-	1.71	76	.37	17	11	9	0	0	0	0	2	4	0	5.40	91	-	-		
	Sellafield	9 9 9	43	-	43.4	-	-	68	25	34	5	-	-	2.42	-	.39	17	12	11	0	0	0	1	-	0	1	0	7.98	-	-		
	Silloth	21-9 9	25	58.1	41.5	49.8	-	67	26	32	7	-	-	2.31	-	.53	17	13	11	0	0	0	2	0	1	6	0	6.81	-	-		
Westmorland	Ambleside	9 9 9	151	59.1	42.2	50.7	-	69	26	29	7	-	-	4.56	117	.92	15	13	12	0	0	0	2	0	2	-	-	6.52	-	-		
	Moor House	9 9 9	1840	51.6	35.4	43.5	-	68	31	23	6	44.6	-	3.86	-	.75	14	15	11	4	0	0	1	1	7	15	0	6.38	-	-		
Lancashire	Bolton	9 9 9	342	58.5	42.3	50.4	-1.4	67	31	31	6	50.8	48.2	1.49	56	.27	17	13	11	0	0	0	2	2	-	-	6.30	119	-	-		
	Burnley	9 9 9	458	57.7	41.1	49.4	-1.0	65	31	25	6	-	-	1.50	-	.32	17	13	9	0	0	0	0	2	9	-	-	-	-			
	Darwen	2121 9	724	57.4	40.7	49.1	-1.4	68	31	29	6	50.4	47.0	3.31	103	.65	14	12	11	0	0	0	2	-	1	4	0	-	-			
	Helmshore	9 9 9	854	55.4	41.2	48.3	-	62	30,31	31	6	-	-	2.67	-	.54	17	12	10	0	0	0	0	2	1	13	-	6.73	-	-		
	Kirkham	9 9 9	77	58.4	42.0	50.2	-	66	24	27	6	-	-	2.74	120	.82	15	12	11	0	0	0	1	3	0	2	4	0	-	-		
	Manchester (Whitworth Pk.)	2121 9	125	60.3	44.6	52.5	-0.4	72	28	35	6,7	51.6	49.2	1.32	62	.25	11	11	9	0	0	0	1	0	0	-	0	-	-	-		
	Morecambe	9 9 9	24	58.2	45.3	51.7	-0.7	67	26	35	7	-	-	3.06	134	.73	14	11	10	0	0	0	0	1	0	-	0	6.59	97	-	-	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precipitation	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date			
8a SOUTH WALES																														
Cardigan	Aberporth ..	21-9-9	376	56.5	45.5	51.0	-	62	25,26,31	38	7	-	-	2.13	101	.47	15	14	8	0	0	0	0	0	0	0	2	0	8.67	-
	Aberystwyth ..	9-9-9	12	58.5	44.8	51.7	-	67	25,26	34	6	-	-	1.57	75	.36	15	12	10	0	0	1	1	0	0	-	-	7.64	118	
Pembroke	Llety-evan-hen ..	9-9-9	950	55.6	42.2	48.9	-	63	24,29,31	33	6	-	-	2.24	-	.36	17	11	10	0	0	0	1	0	0	7	-	6.93	-	
	P.B.S.* ..	9-9-9	452	58.6	43.6	51.1	-	65	24,25	35	7	-	-	1.57	-	.33	8	13	10	0	0	0	0	0	0	0	-	8.07	129	
	Gogerddan ..	9-9-9	103	59.5	41.8	50.7	-	67	24,27,29	29	6	-	-	1.65	-	.33	14	12	9	0	0	0	0	0	0	3	5	7.99	-	
	Swyddffynnon ..	9-9-9	588	58.0	40.5	49.3	-	67	31	26	6	-	-	1.77	-	.46	8	14	8	0	0	0	0	0	0	4	6	0	-	
	Trawcoed ..	9-9-9	200	60.0	40.5	50.3	-	68	31	27	6	-	-	1.80	-	.36	8	13	10	0	0	0	0	0	0	4	13	-	7.50	
	Dale Fort ..	9-9-9	109	58.4	46.8	52.6	-	66	25	41	6,7,10	-	-	1.47	-	.50	8	10	7	0	0	1	0	1	0	0	0	0	9.36	-
	Haverfordwest ..	9-9-9	131	59.7	44.4	52.1	+0.6	68	31	33	10	-	-	2.45	98	.77	8	13	11	-	-	1	0	0	-	-	-	-	-	
	Milford Haven ..	9-9-9	179	59.1	44.9	52.0	-	68	25	37	6,7	-	-	1.66	-	.54	8	14	7	0	0	0	0	0	0	-	-	8.96	-	
	Pembroke Dock..	21-9-9	34	60.2	46.5	53.3	-	69	31	39	6,10	-	-	1.59	69	.35	17	13	10	0	0	0	0	0	0	0	0	0	9.25	-
	Tenby ..	9-9-9	64	60.2	46.0	53.1	+0.5	68	31	39	6,7	-	-	2.52	110	.49	17	12	12	0	0	0	0	1	0	2	-	9.36	140	
Radnor	Llandrindod Wells ¶§	9-9-9	770	59.4	40.6	50.0	-0.7	71	31	31	6	-	-	1.95	86	.44	8	11	10	0	0	0	0	2	2	-	-	6.58	117	
Brecknock	Llwynon ..	9-9-9	860	58.4	40.8	49.6	-	68	31	31	6	-	-	2.85	81	.68	17	12	10	0	0	0	1	0	2	-	-	-	-	
Glamorgan	Cardiff .. ¶§	9-9-9	202	60.5	44.5	52.5	-0.5	71	31	37	7.8	54.9	52.1	1.73	71	.55	15	12	7	0	0	0	0	0	0	4	0	7.02	110	
	Neath ..	9-9-9	153	60.8	45.8	53.3	-	71	31	34	6	-	-	2.40	-	.60	17	11	10	0	0	1	0	0	0	0	0	-	-	
	Port Talbot ..	9-9-9	24	61.7	45.0	53.3	-	70	25	35	6	-	-	2.24	-	.54	17	11	9	0	0	0	0	0	0	1	0	6.62	-	
	Rhoose ..	21-9-9	220	59.5	43.6	51.5	-	69	24	34	6,8	-	-	.99	-	.37	15	10	7	0	0	0	0	2	0	0	6	0	7.33	-
Monmouth	Swansea ..	9-9-9	27	60.5	46.9	53.7	-0.4	70	31	39	6	57.9	55.6	1.75	-	.39	11	10	9	0	0	0	0	0	0	0	0	0	8.05	129
	Newport ..	9-9-9	75	60.7	44.4	52.5	-	71	31	35	6	-	-	1.97	-	.79	15	8	7	0	0	0	0	2	0	0	0	7.32	-	
	Tredegar ..	9-9-9	1028	57.7	41.0	49.3	-	69	31	31	6	-	-	3.44	-	.81	17	10	9	0	0	1	1	-	1	5	-	6.78	-	
Usk ..	9-9-9	70	60.6	41.9	51.3	-	71	31	29	6	55.9	-	-	2.08	-	.75	15	9	7	0	0	2	1	0	1	5	-	6.86	-	
8b ENGLAND, S.W.																														
Somerset	Bath .. ¶§	9-9-9	67	61.1	43.7	52.4	-1.3	72	31	33	6	55.6	52.3	2.16	110	.92	9	10	8	0	0	0	0	0	0	3	0	7.44	121	
	Bickenhall ..	9-9-9	231	60.4	41.7	51.1	-	71	31	32	1.6	53.9	51.1	2.61	-	.58	9	12	8	0	0	0	0	0	2	5	0	7.80	-	
	Cannington ..	9-9-9	95	60.7	44.1	52.4	-	71	31	35	6,10	-	-	1.35	-	.38	8	9	7	0	0	0	0	0	0	0	4	0	7.49	-
	Long Ashton ..	9-9-9	162	60.5	43.0	51.7	-1.3	72	31	33	6	55.0	-	1.94	92	.42	9	10	8	0	0	1	1	0	0	6	-	7.13	113	
	Weston-s.-Mare ..	9-9-9	28	60.2	45.1	52.7	-	67	24	37	6,8	-	-	1.34	72	.36	15	7	7	0	0	0	0	0	0	2	-	7.16	116	
Dorset	WoottonCourtenay	9-9-9	486	59.3	42.2	50.7	-	68	31	32	6	-	-	2.45	-	.63	15	12	10	0	0	0	0	1	1	16	0	8.10	-	
	Poole ..	9-9-9	18	62.2	42.2	52.2	-	70	3	34	7	-	-	1.79	-	.45	11	9	8	0	0	2	1	0	0	-	-	7.85	-	
	Portland Bill ..	21-9-9	32	57.8	47.6	52.7	+0.7	67	25	38	6	-	-	1.43	101	.45	8	11	6	0	0	0	0	1	0	0	-	-	-	
	Shaftesbury ..	9-9-9	680	57.6	42.2	49.9	-1.6	70	31	34	6	-	-	1.68	-	.53	8	11	9	0	0	0	0	0	1	0	-	-	-	
Devon	Swanage ..	9-9-9	34	59.8	45.7	52.7	-	68	3	36	6	-	52.4	-	-	-	-	-	-	0	0	1	0	0	0	-	-	7.99	-	
	Weymouth ..	9-9-9	16	61.6	45.8	53.7	0.0	69	3,25	36	6	-	-	1.89	117	.76	8	10	6	0	0	0	0	1	0	0	0	8.10	114	
	Chivenor ..	21-9-9	20	60.7	45.6	53.1	-	68	24,25,29	36	6	-	-	2.07	-	.69	15	10	8	0	0	2	0	0	0	1	0	8.23	-	
	**East Budleigh ..	9-9-9	64	60.7	42.4	51.5	-	68	25,31	31	6	-	-	1.64	-	.35	8	13	8	0	0	0	2	1	1	1	0	-	-	
	Exeter ..	21-9-9	106	60.6	43.5	52.1	-	69	31	35	6	-	-	1.91	-	.51	8	12	7	0	0	0	1	0	0	3	0	7.21	-	
	Exmouth ..	9-9-9	195	59.1	44.9	52.0	-0.5	69	31	36	6	-	-	1.20	-	.35	17	8	5	0	0	0	0	0	0	0	0	7.68	120	
	Hartland Pt. ..	21-9-9	298	55.4	48.2	51.8	-	61	31	43	7.8	-	-	2.77	-	.07	8	11	8	0	0	0	0	0	0	0	0	7.82	-	
	Ilfracombe ..	9-9-9	25	58.4	48.5	53.5	+0.5	63	24, 27, 29	42	7	57.7	55.6	1.79	87	.44	15	10	9	0	0	0	0	0	0	0	0	8.71	130	
	†Newton Abbot ..	9-9-9	272	60.1	44.4	52.3	-0.4	69	31	36	6	-	-	2.35	121	.74	8	12	9	0	0	0	0	1	0	1	-	7.37	120	
	Paignton ..	9-9-9	8	60.6	46.6	53.6	-	69	31	39	6	-	-	2.20	-	.51	8	13	10	0	0	0	0	1	0	-	-	7.14	106	
Plymouth	(Mount Batten)	21-9-9	87	59.5	45.7	52.6	-0.3	68	25	39	6,10	-	-	1.94	91	.48	17	12	10	0	0	0	0	1	0	0	-	8.15	121	
Plymouth (The Hoe)	9-9-9	119	60.4	46.6	53.5	-0.3	68	29	39	6	55.5	53.6	1.88	91	.45	17	12	9	0	0	0	0	1	0	1	1	8.50	125		
Princetown ..	9-9-9	1359	55.3	42.1	48.7	-	64	31	33	6	-	-	4.28	100	.91	17	12	12	0	0	2	0	3	0	4	-	-	-		
Sidmouth ..	9-9-9	25	60.2	45.1	52.7	+0.2	67	3,25	38	1	-	-	1.71	-	.41	8	12	9	0	0	0	0	0	0	0	0	7.58	-		
Starcross ..	9-9-9	29	60.7	44.5	52.6	-	69	31	37	1,7,10	-	-	1.84	-	.40	11,17	12	9	0	0	0	1	1	0	0	2	-	7.28	-	
Tavistock ..	9-9-9	457	60.3	43.5	51.9	-0.4	68	28	36	6,10	-	-	3.03	116	.92	17	11	10	0	0	0	0	1	0	8	-	-	-		
Teignmouth ¶§	9-9-9	20	60.5	47.4	53.9	+0.1	69	24,31	40	7	-	-	1.78	97	.37	11	13	8	0	0	0	0	0	0	0	0	0	7.72	114	
Torquay ..	9-9-9	26	60.2	46.7	53.5	-0.4	68	24,31	40</																					

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY, 1957

Table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; Wind, Number of Observations; and Direction. The table is organized into sections for 4 MIDLAND COUNTIES and 5 ENGLAND, S.E., with various sub-sections for different locations like Yorks., W.R., Huddersfield, etc.

Received
9/9/57

DUPLICATE

Monthly Weather Report

M.O. 625

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers

Volume 74 Number 6

Published by HER MAJESTY'S STATIONERY OFFICE



June 1957—Unusually sunny and warm

At the beginning of the month an upper air blocking pattern had already existed over the north-eastern Atlantic and western Europe for about a week, and blocking patterns remained in these sectors for most of June. Surface pressure features were somewhat indefinite, but the broad pattern was weakly cyclonic with changeable rather cool weather during the first ten days, and anticyclonic with exceptionally warm, sunny weather for the next fortnight. A southerly airstream brought hot, thundery weather from France towards the end of the month.

Although there was some rain in Scotland, the first two days of June were sunny and dry generally in England and Wales, with afternoon temperatures reaching the seventies. Many places had their first rain for ten days when thunderstorms developed over a wide area in south-east England on the 3rd, and that night and the following day there was fairly general rain over the British Isles as a deepening depression moved east across Scotland. Cool north-westerly winds spread across the country in the rear of the depression on the 5th, bringing occasional showers to most places and some local ground frost at night. A frontal system to a depression about 600 miles to the west of Ireland reached our south-western seaboard on the 6th and as it moved slowly across the country during the next 48 hours there were showers and occasional rain in many places. As the depression associated with these fronts entered our south-west approaches on the 8th a pronounced trough developed north-eastward from it across the country to the North Sea. The depression had been accompanied across the Atlantic by an upper air low which approached the British Isles from the south-west on the 8th and then linked north-eastwards with an upper trough in the Norwegian Sea. From the 8th to the 10th there were outbreaks of thundery rain and thunderstorms with unusually heavy rain in places; 7.06 in. of rain occurred at Camelford, Cornwall, in 12 hr., 5.48 in. of which fell between 13 h. and 16 h. on the 8th.

The trough moved eastwards to the North Sea on the 10th, and pressure over the country rose quickly in the cool northerly airstream which developed behind it. By the 12th a new and more vigorous blocking pattern had formed at 500 mb. with its warm ridge right across the British Isles; at the surface an anticyclone was centred over southern England, and this intensified and moved slowly north giving about ten days of brilliantly fine weather. The highest pressure recorded in the British Isles for nearly 80 years during June was reported from central Wales on the 13th. During this fine period a number of places registered more than 16 hr. sunshine on several successive days and by the 14th afternoon temperatures exceeded 80°F. fairly extensively in the south of England and reached 87°F. at both London Airport and Hurn on the 17th and 18th. On the 18th thunderstorms again broke out in southern England—1.68 in. of rain fell in 2 hr. during a storm at Andover—but although the following day temperatures were about 10°F. lower in many places there was no general break in the fine weather until the 22nd when a cool northerly airstream brought renewed thundery outbreaks to many areas and temperatures to near or below the normal for the time of year; widespread ground frost occurred at night, particularly in the north.

The blocking high from Europe moved westwards to Greenland on the 25th, and the next day an anticyclone over the Bay of Biscay intensified as it moved north-eastward over France bringing warm air of tropical origin over the British Isles. The last three days of the month were hot in many districts. Temperatures rose to the upper eighties in many Midland and eastern districts, reaching 89°F. at Derby and 88°F. at Northwich and Hull on the 28th, and to 90°F. or more over much of south-east England on the 29th and 30th.

Pressure and Wind. Pressure at 9 h. was everywhere above the average,

the excess ranging from 4.1 mb. at Stornoway to 0.5 mb. at Scilly. Rhayader in central Wales recorded a pressure of 1037.4 mb. on the 13th, 0.9 mb. more than the highest pressure previously recorded during June in the British Isles, which was 1036.5 mb. at Valentia on 6th June, 1870. Winds were mainly south-westerly during the first three days and on the 7th and 8th, otherwise north-westerly winds predominated until the 11th, but they became light and variable on the 12th and 13th. Winds were generally between north-east and east from 14th to 21st, north-west and west from 22nd to 24th and became light and variable again on the 25th. During the last five days of the month winds were mainly between south and south-west. Winds reached gale force locally on the 5th; the highest gusts reported during the month were 44 kt. at Stornoway and Millport on the 4th.

Temperature. Mean temperature exceeded the 1921–50 average by 1.6°F. in England and Wales, 1.0°F. in Scotland and 0.9°F. in Northern Ireland. Temperature exceeded 80°F. every day from 12th to 20th at both Hurn and London Airport. 96°F. was reached at Camden Square, London on the 29th, the highest temperature recorded in June in the British Isles since at least 1858. The coldest nights occurred around the 12th and 24th, on the latter date temperature at Dalwhinnie fell to 26°F. in the screen and 15°F. on the grass.

Extreme temperatures for the month included:—(England and Wales) 96°F. at Camden Square, London on the 29th, 26°F. at Moor House on the 24th; (Scotland) 87°F. at Ruthwell on the 16th, 26°F. at Dalwhinnie on the 24th; (Northern Ireland) 82°F. at Armagh on the 21st, 32°F. at Aldergrove on the 7th and 24th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 79 over England and Wales, 100 over Scotland and 73 over Northern Ireland. Less than half the average occurred around London, in the eastern parts of Kent and Co. Down and locally in South Wales. More than the average occurred over much of the east coast from Flamborough Head to Lowestoft, the west country and south-west Wales, north Scotland and locally in south Scotland and Co. Antrim. Twice the average was exceeded in Somerset and north Cornwall. The rain at Camelford on the 8th was the heaviest ever recorded in Cornwall.

Among the heavier falls in 24 hr. were:

8th 7.09 in. at Camelford (Roughton View) and 6.33 in. at Camelford (Advent), Cornwall; 4.45 in. at Nantcwnlle (Bwlchyllan), Cardiganshire.

30th 2.01 in. at Osmotherley (Filter Station), Yorkshire (N.R.).

Thunder occurred on 13 days in Scotland and 15 days in England and Wales. Thunderstorms were reported over a wide area on the 8th, 9th, 29th and 30th, and occurred at a number of places on 7 days during the month.

Snow and sleet showers occurred locally in Scotland.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 143 over England and Wales, 134 over Scotland and 155 over Northern Ireland. At many places it was the sunniest June since the records began, even surpassing the fine June weather of 1940 and 1949. At Glasgow and Kew it was the sunniest June for more than 75 years. Several places in the south of England recorded an average of more than 11 hr. sunshine per day.

Fog. Fog was infrequent. Early morning fog patches were reported from one place or other on 14 days.

Miscellaneous Phenomena. There were no reports of aurora during the month.

MWR dup

TABLE I—DISTRICT VALUES—JUNE, 1957

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	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	
			Max.	Min.	Mean						
0 SCOTLAND, N.	85	26	+0.9	-0.7	+0.1	—	—	121	+ 1	118	
Eastern											
1 SCOTLAND, E.	83	29	+2.4	+0.5	+1.5	—	—	90	- 1	137	
2 ENGLAND, N.E.	88	29	+2.2	-0.5	+0.8	+2.1	+1.0	87	- 1	147	
3 ENGLAND, E.	94	32	+2.5	0.0	+1.3	+0.4	-0.8	99	- 2	133	
4 MIDLAND COUNTIES	89	32	+3.7	-0.4	+1.6	+1.4	+1.2	70	- 2	151	

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	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	
			Max.	Min.	Mean						
5 ENGLAND, S.E.	96	34	+4.1	+0.4	+2.3	+0.8	0.0	63	-2	134	
Western											
6 SCOTLAND, W.	87	28	+2.9	-0.3	+1.3	-0.4	-0.7	68	-6	148	
7 ENGLAND, N.W. (and N. Wales)	88	26	+3.1	-0.3	+1.4	+0.7	+0.2	71	-3	153	
8 ENGLAND, S.W. (and S. Wales)	88	32	+4.1	-0.1	+2.0	+2.2	+2.0	78	-5	140	
NORTHERN IRELAND	82	32	+3.0	-1.2	+0.9	—	—	—	-6	155	

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—JUNE, 1957

[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Highest Velocities				
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	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	Day and Time	
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.	
SCOTLAND																		
0 Shetland	Lerwick	310	53	37	—	0	8	2	390	235	43	0	12.5	300	28	11 16	41	11 1535
Orkney	Grimsetter																	
Caithness	Halkirk																	
Ross & Cromarty	Stornoway (Coastguard)	120	40	35	—	0	12	50	381	233	56	0	12.2	180	32	12 12	44	4 0525
Inverness	Benbecula	69	51	35	—	0	8	51	438	184	47	0	12.9	190	28	12 15	42	5 0515
1 Aberdeen	Dyce	225	40	40	—	0	0	0	82	291	347	0	4.7	350	17	6 13	39	4 1320
Angus	Bell Rock Lighthouse	128	131	124	∅													
File	Leuchars	79	41	41	—	0	0	0	156	394	170	0	7.0	290	19	5 13	29	5 1635
Midlothian	Edinburgh	485	39	23	—	0	1	1	113	382	224	0	6.1	200	23	27 18	35	27 1705
6a Argyll	Tiree	89	60	47	—	0	7	47	354	237	82	0	11.8	350	32	4 16	44	4 1655
Bute	Millport	50	34	34	—	0	5	21	195	272	193	39	8.0	060	31	18 22	44	18 2025
Renfrew	Paisley	188	81	31	—	0	0	0	56	408	256	0	5.4	290	19	5 14	33	5 1255
	Renfrew	71	41	39	—	0	0	0	203	409	108	0	8.0	080	19	18 18	38	5 1535
Ayr	Prestwick	80	50	40	—	0	0	0	142	362	216	0	5.1	070	19	21 24	34	4 1915
Dumfries	Eskdalemuir	825	50	35	—	0	0	0	117	359	244	0	6.0	200	20	27 19	39	5 1530
ENGLAND and WALES																		
0b Isle of Man	Point of Ayre	70	40	35	—	0	3	8	229	281	202	0	8.0	300	26	4 23	36	4 2050
2 Durham	Durham	389	53	33	—	0	0	0	92	336	292	0	5.2	300	20	5 14	42	5 1305
	South Shields	73	57	44	—	0	1	1	146	389	184	0	7.0	325	22	5 01	36	5 1515
Yorks., N.R.	Linton-on-Ouse	73	27	33	∇													
Yorks., E.R.	Spurn Head	64	44	34	—	0	2	14	255	372	79	0	9.4	280	30	5 18	40	5 1750
Lincoln	Cranwell	288	47	47	—	0	0	0	99	299	322	0	5.1	280	20	5 04	37	5 0305
3 Norfolk	Gorleston	52	42	34	—	0	0	0	168	368	147	37	7.3	140	20	28 15	45	30 2325
Suffolk	Felixstowe	85	75	65	—	0	0	0	213	268	239	0	7.2	070	21	20 14	35	14 1625
	Mildenhall	98	83	60	—	0	0	0	96	338	286	0	5.4	310	16	5 07	33	27 1315
Bedford	Cardington	285	150	135	—	0	1	1	214	299	206	0	7.6	230	22	28 15	42	8 1540
	Dunstable	567	55	33	—	0	0	0	166	423	131	0	7.1	270	19	4 17	28	14 1050
Herts.	Stevenage	564	111	65	—	0	0	0	222	375	123	0	7.9	280	18	4 18	34	11 1335
Essex	Shoburyness	115	104	89	—	0	1	11	383	293	27	6	11.2	050	25	14 14	39	14 1405
4 Warwick	Birmingham	643	118	73	—	0	0	0	108	460	152	0	6.7	270	16	4 16	29	5 0641
Stafford	Keele	706	50	40	—	0	0	0	85	337	298	0	5.3	050	16	18 16	34	5 0835
Gloucester	Avonmouth	92	61	33	—	0	2	8	232	314	166	0	8.1	250	25	4 16	37	14 1110
5 London	Kingsway	231	160	40	—	0	0	0	31	451	238	0	5.1	080	15	14 15	27	14 0920
Middlesex	Hampton	139	101	100	—	0	0	0	151	392	177	0	6.9	080	21	14 10	43	14 0945
Surrey	Croydon	313	105	70	—	0	1	1	78	272	369	0	4.4	080	22	14 11	39	14 1015
	Kew Observatory	92	75	50	—	0	0	0	221	341	158	0	7.8	070	20	14 12	35	8 1510
Kent	Dover	66	36	60	—	0	1	16	217	298	189	0	8.1	040	30	14 16	43	14 1920
	Dungeness	70	50	33	*													
	Isle of Grain	48	40	33	—	0	1	1	229	388	102	0	8.5	050	22	14 10	33	11 1435
Sussex	Thorney Island	75	65	42	—	0	0	0	103	386	231	0	6.1	060	19	14 10	37	14 0955
Hants.	S. Farnborough	318	69	35	—	0	0	0	28	272	420	0	3.7	270	17	4 17	32	14 0955
Berks.	Abingdon	250	40	40	—	0	0	0	198	325	197	0	7.3	230	19	8 15	34	14 1125
Wiltshire	Larkhill	491	51	36	—	0	2	3	217	311	189	0	7.5	260	23	4 16	37	18 1635
	Porton	406	44	44	—	0	2	2	140	333	245	0	6.2	060	22	14 11	39	18 1620
7a Cumberland	Sellafield	83	39	35	—	0	0	0	155	320	235	10	6.4	330	21	5 01	33	5 0101
Westmorland	Moor House	1960	50	45	*													
Lancashire	Fleetwood	112	50	31	—	0	6	62	248	300	107	2	10.2	310	34	5 01	43	4 2210
	Southport	63	45	36	—	0	4	35	198	338	149	0	11.3	260	28	5 03	41	5 0235
	Speke	180	100	65	—	0	4	23	271	315	111	0	9.7	230	28	27 16	41	5 0110
Cheshire	Bidston Observatory	262	64	39	—	0	2	8	128	352	232	0	—	290	23	5 01	42	4 2302
	Manchester Airport	318	70	30	—	0	0	0	212	391	117	0	8.1	200	21	27 15	34	5 1035
7b Anglesey	Holyhead (Valley)	76	50	40	—	0	1	9	261	332	118	0	8.9	200	25	27 10	34	27 0925
8a Cardigan	Aberporth	483	41	41	—	0	1	1	220	359	140	0	8.1	190	23	26 17	36	26 1625
Pembroke	Kete	249	49	37	—	0	0	0	122	369	229	0	6.4	020	19	22 16	32	22 1540
	Milford Haven	246	50	35	—	0	0	0	153	353	214	0	6.6	020	21	22 16	34	22 1600
Glamorgan	Port Talbot	91	40	35	—	0	1	3	208	340	169	0	7.9	290	22	4 15	36	15 0036
8b Devon	Plymouth	191	88	65	—	0	0	0	205	430	85	0	8.1	—	20	9 13	29	14 1025
Cornwall	The Lizard	315	75	60	—	0	0	0	241	319	160	0	8.2	080	21	20 11	33	20 1230
NORTHERN IRELAND																		
Antrim	Aldergrove	281	65	65	—	0	0	0	209	391	120	0	6.4	290	21	4 17	34	4 1955
Londonderry	Eglinton	79	61	51	—													
SCILLY ISLES																		
	St. Mary's	230	65	57	—	0	0	0	52	346	322	0	4.7	010	18	9 19	31	9 1850

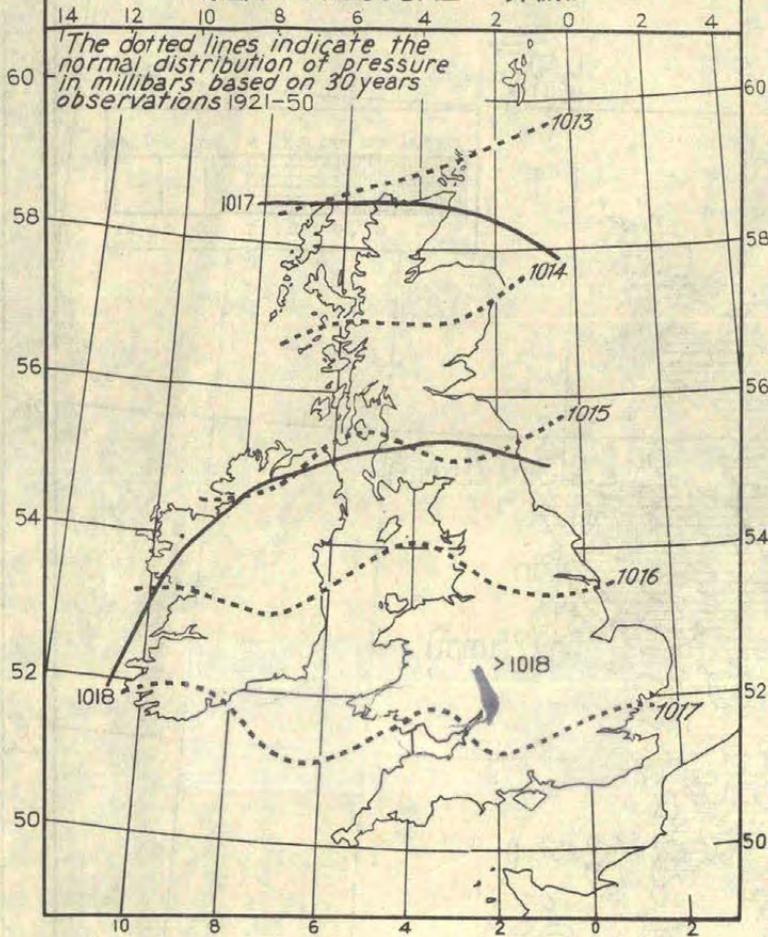
* Defective Record.

∇ Record ceased temporarily.

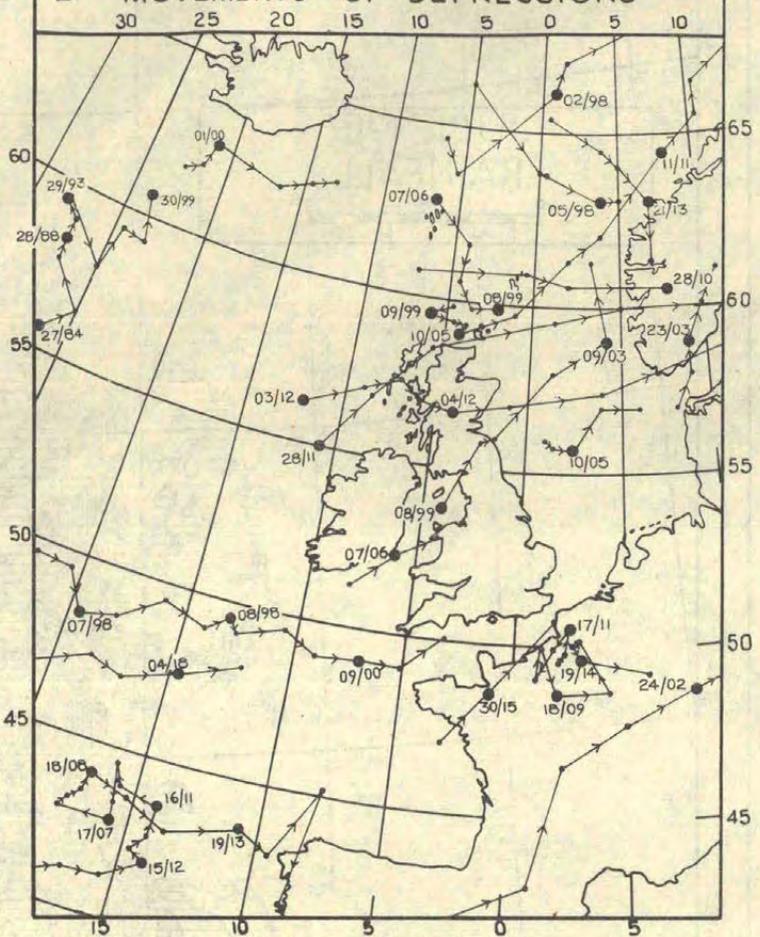
MONTHLY WEATHER CHARTS

JUNE 1957

1. MEAN PRESSURE 9 A.M.

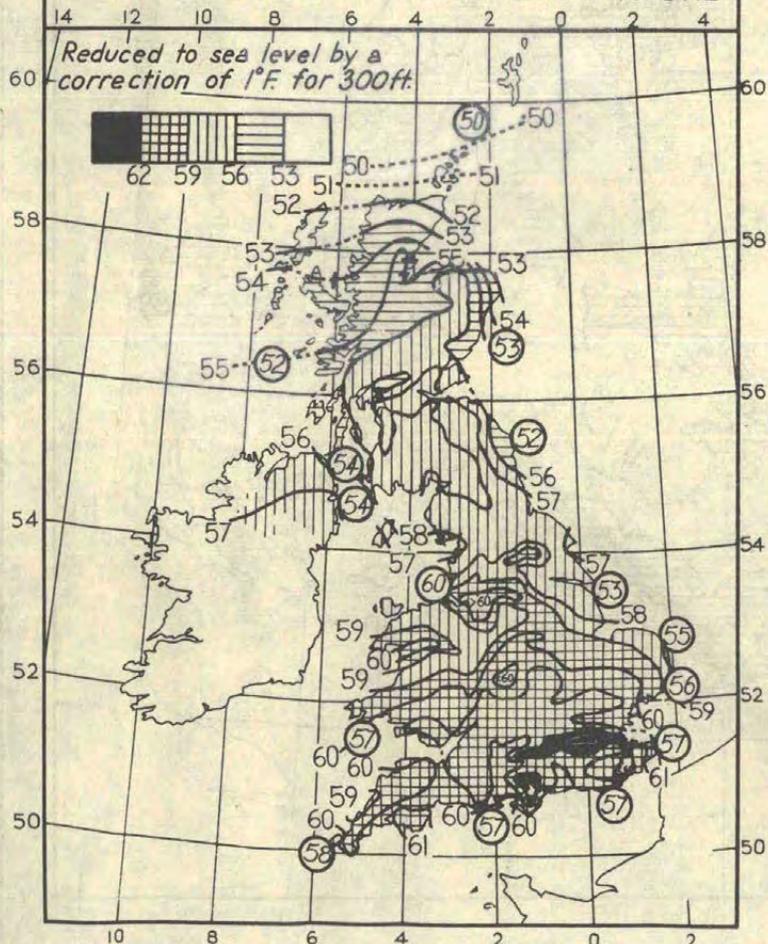


2. MOVEMENTS OF DEPRESSIONS



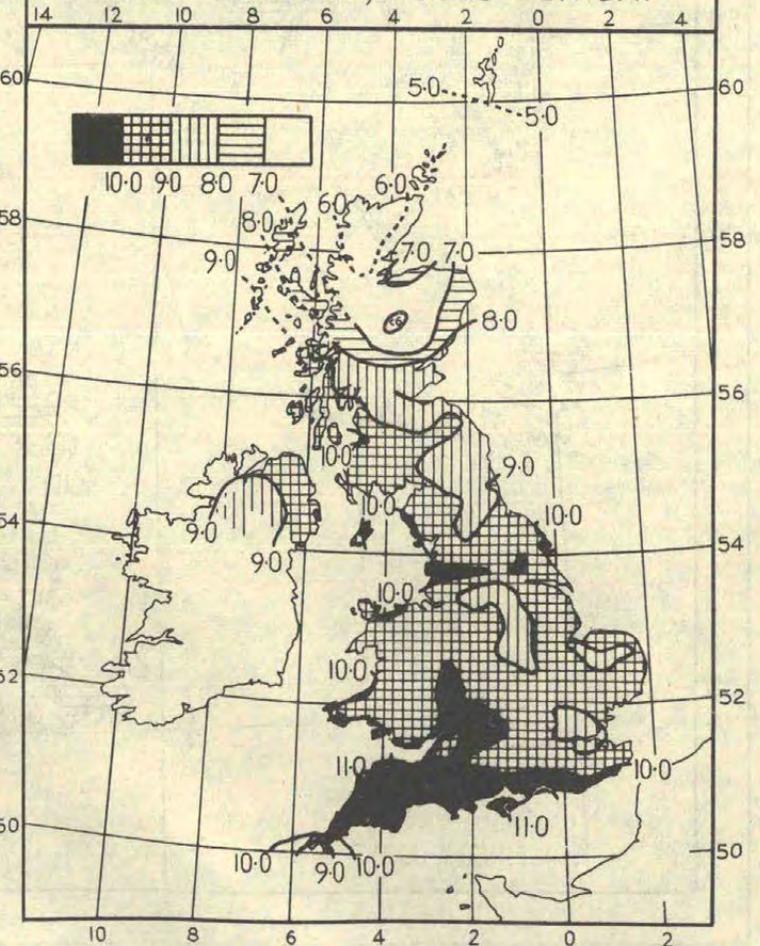
Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



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

4. BRIGHT SUNSHINE, HOURS PER DAY



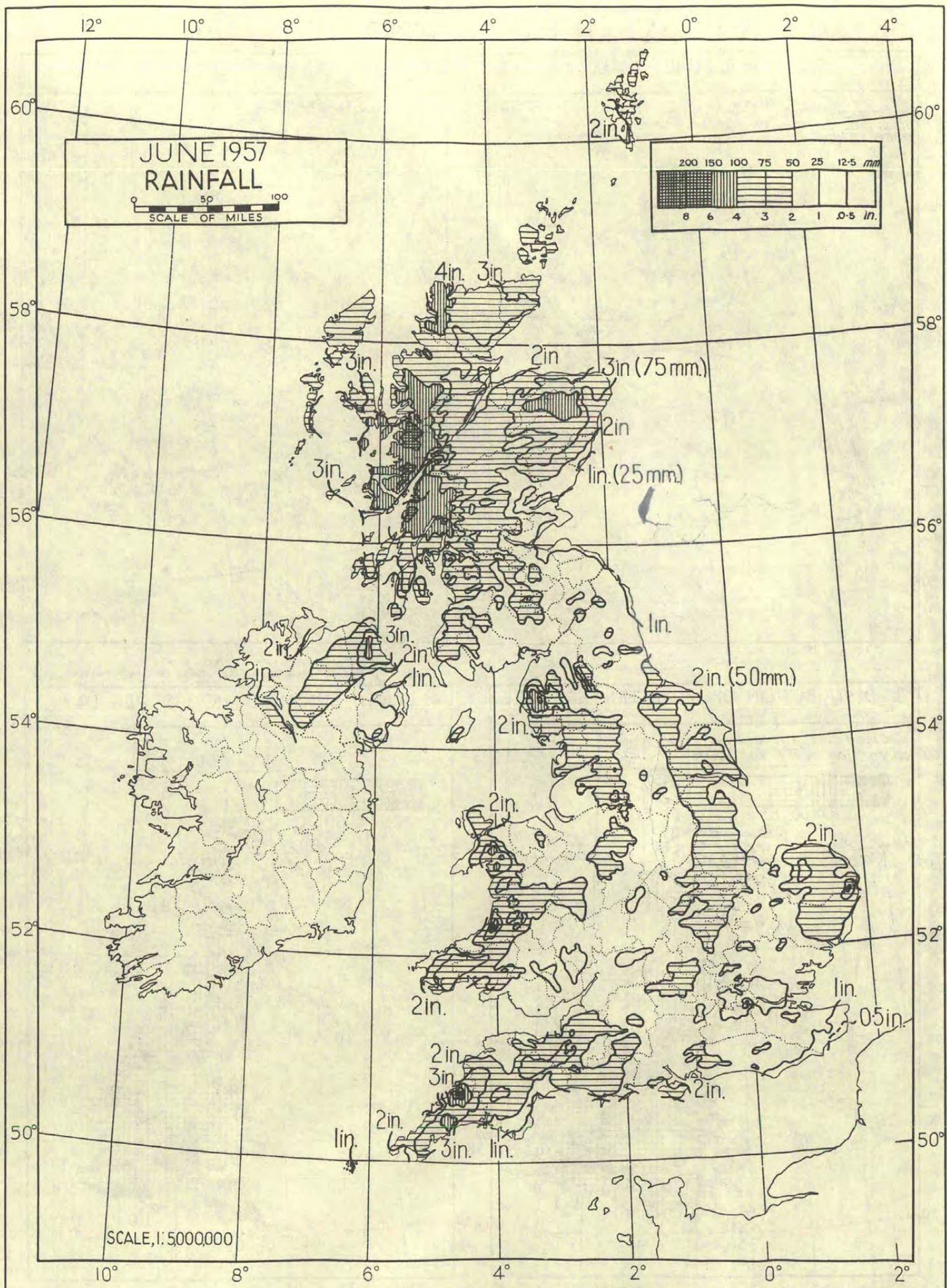


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE, 1957

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		Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip's	Snow or Sleet	Snow lying	Frost	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average						
			A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum																	Date	Minimum	Date			
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	0 in. (0.2 mm.) or more	0.01 in. (0.25 mm.) or more	in.	in.	in.	in.	in.	in.	in.	in.	hr.	%			
0 SCOTLAND, N.																													
Sutherland	Baltasound	9 9 9	78	54.5	43.8	49.1	-	69	16	36	10	49.7	-	2.55	-	.46	8	22	16	1	0	0	0	2	0	1	4.46	-	
	Lerwick Obs'y.	21-9-9	269	53.5	44.0	48.7	-0.8	64	16	38	6	-	-	2.53	141	.72	30	18	16	1	0	0	0	3	0	2	0	5.02	94
Orkney	Grimsetter	21-9-9	84	56.9	45.1	51.0	-	70	14,16	35	9	-	-	2.29	-	.51	2	19	13	0	0	0	0	0	0	1	0	6.79	-
	Sule Skerry	9 9 9	43	53.5	46.2	49.9	-	63	15,16,30	40	6	-	-	2.71	-	.56	3	19	13	0	0	0	0	2	0	0	0	-	-
Caithness	Halkirk (Olgrinbeg)	9 9 9	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wick	21-9-9	119	57.0	44.5	50.7	-0.3	69	14,16	33	9	-	-	3.03	168	.69	27	18	15	0	0	2	1	0	0	1	0	6.30	108
Sutherland	Cape Wrath	21-9-9	367	54.4	47.0	50.7	-	72	15	40	6,9	-	-	4.69	-	1.05	3	19	16	0	0	0	0	4	0	0	0	-	-
	Lairg (Achany)	9 9 9	240	63.6	44.9	54.3	-	80	16	32	12	55.5	50.1	2.72	-	.75	3	18	9	0	0	1	0	2	1	5	0	-	-
	Strathy	9 9 9	120	59.4	44.8	52.1	-	80	15	36	9,12	-	-	2.96	-	.61	3	17	13	0	0	0	1	0	0	-	0	5.62	-
Ross & Cromarty	Achmashellach	8 8 8	225	62.3	45.6	53.9	+0.1	82	15	33	8	-	-	5.02	134	1.57	27	20	15	0	0	0	0	0	0	-	-	-	-
	Fortrose	9 9 9	69	60.8	48.6	54.7	-	75	14,16	41	9	-	-	2.07	-	.75	3	15	11	1	0	0	0	0	0	0	0	6.92	118
	Kinlochewe	9 9 9	76	63.5	44.1	53.8	-	83	15	32	21,26	-	-	3.23	-	.93	28	18	12	1	0	1	0	0	2	4	0	6.39	-
	Stornoway	21-9-9	11	58.0	46.5	52.3	-0.1	76	15	35	9	-	-	3.53	-	1.00	3	18	12	0	0	1	0	0	0	2	0	6.93	126
	Tarbatness	21-9-9	60	59.7	48.0	53.9	-	74	16	39	26	-	-	2.11	-	.71	3	9	8	0	0	0	0	0	0	-	-	-	-
Inverness	Benbecula	21-9-9	19	60.0	48.8	54.4	-	74	15	36	7	-	-	2.39	-	.67	3	19	11	0	0	0	0	1	0	1	0	8.95	-
	Cannich	9 9 9	350	64.7	43.1	53.9	-	84	16	30	8	-	-	2.42	-	.50	3	18	13	0	0	0	0	0	3	13	0	-	-
	Dalwhinnie	18-9-9	1176	62.9	41.0	51.9	-	84	16	26	24	-	-	1.95	81	.51	27	13	10	0	0	0	0	0	5	9	0	5.87	-
	Duntulm	9 9 9	294	58.8	47.9	53.3	-	72	15	40	9	-	-	3.26	125	.64	27	20	16	0	0	1	0	0	0	0	0	7.55	-
	Ft. Augustus	8 8 8	70	64.4	47.2	55.8	+1.5	85	16	37	12	-	-	2.16	106	.59	27	15	10	0	0	0	0	0	0	-	0	6.63	-
	Ft. William	9 9 9	34	64.3	46.5	55.4	+0.6	80	15,16	35	8	58.8	53.5	2.98	84	1.08	27	15	11	0	0	0	0	0	0	0	0	7.50	148.8
	Glenmore Lodge	9 9 9	1000	62.7	41.3	52.0	-	81	16	29	8	-	-	2.69	-	.74	28	17	15	0	-	4	1	0	3	7	0	5.86	-
	Inverness	9 9 9	242	61.9	-	-	-	79	15,16	-	-	-	-	1.74	92	.49	3	15	11	-	-	-	-	-	-	-	0	6.28	112
	Kincaig	9 9 9	780	65.5	41.1	53.3	-	85	16	28	12	-	-	2.02	-	.61	28	18	11	-	-	-	-	0	6	10	-	-	
	Onich	9 9 9	48	63.7	46.2	54.9	-	80	16	35	8	-	-	4.59	119	1.67	27	15	13	-	0	-	-	1	0	9	-	7.86	165.8
1 SCOTLAND, E.																													
Nairn	Nairn	9 9 9	20	63.0	47.6	55.3	+1.1	79	15	35	20	-	-	1.88	113	.40	28	14	9	0	0	2	1	0	0	3	0	7.25	128
Moray	Elgin	9 9 9	92	63.5	47.7	55.6	-	83	15	36	12	-	-	2.15	-	.88	4	17	14	-	0	-	-	0	0	0	-	7.52	-
	Findhorn	2121-9	20	62.5	48.0	55.3	-	77	15,16	39	20	-	-	1.49	-	.30	28	14	9	0	-	0	0	-	0	0	0	-	-
	Forres	9 9 9	155	63.8	46.8	55.3	-	81	15	38	8	58.6	52.2	2.07	-	.47	28	14	11	0	2	0	0	0	0	2	0	7.44	-
	Gordon Castle	2121-9	104	64.4	48.0	56.2	+1.5	80	15,16	40	20	-	-	3.04	149	.82	4	16	14	0	-	0	0	-	0	-	0	5.75	101
	Kinloss	21-9-9	15	62.9	46.7	54.8	-	80	15	35	8	-	-	1.61	-	.29	4	16	11	0	0	1	0	0	0	4	0	7.33	-
Banff	Banff	9 9 9	130	60.7	48.4	54.5	+0.6	80	16	39	8	-	-	2.39	122	.60	28	16	14	1	0	1	0	0	0	0	0	6.92	118
	Glenlivet	9 9 9	1085	62.6	41.4	52.0	-	80	16	29	10,12	50.3	-	3.42	-	.71	28	19	16	0	3	1	1	5	6	0	0	6.67	-
Aberdeen	Aberdeen	9 9 9	170	62.5	46.9	54.7	-	75	29	38	10,12	-	-	2.02	-	.54	2	17	12	0	0	2	2	-	0	1	0	7.33	-
	Balmoral	9 9 9	927	63.6	42.9	53.3	+1.2	80	16	31	12	-	-	1.95	115	.32	9	15	13	-	0	-	-	2	3	-	-	-	
	Braemar	2121-9	1113	63.3	42.9	53.1	+1.1	82	16	33	10	-	-	1.60	82	.23	27	19	13	0	0	0	0	0	0	2	0	6.23	-
	Craibstone	9 9 9	300	62.0	45.7	53.9	+1.0	74	29	37	10	55.4	51.3	3.27	175	.87	2	18	13	1	0	1	4	-	0	0	7.60	121	
	Dyce	21-9-9	185	62.7	45.9	54.3	-	75	29	35	10	-	-	3.58	194	.85	2	17	13	0	0	3	4	0	0	3	0	7.40	-
	Huntly	9 9 9	405	63.3	46.0	54.7	-	80	16	37	8	-	-	4.64	-	.76	28	22	16	0	0	4	3	0	0	1	0	-	-
	Logie Coldstone	9 9 9	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ratray Head	21-9-9	85	57.4	47.6	52.5	-	67	14	37	12	-	-	3.45	-	1.35	8	16	10	1	0	0	1	1	0	-	0	7.19	-
	Udny	9 9 9	363	61.0	45.2	53.1	-	71	13,29	37	8,10,12	-	-	3.48	-	.74	2	18	15	0	0	0	4	0	0	0	0	7.68	-
Kincairdine	Fettercairn	9 9 9	560	62.3	45.1	53.7	-	73	13	37	6,10	-	-	1.82	-	.24	27	20	14	0	0	0	0	1	0	2	0	7.71	-
	Muchalls	9 9 9	210	60.4	45.9	53.1	-	72	29	38	12	-	-	3.02	-	2.17	2	12	8	0	0	0	0	0	0	0	0	-	-
	Stonehaven	9 9 9	12	62.4	46.1	54.3	-	76	29	37	8	-	-	1.05	-	.23	27	12	8	-	-	-	-	-	-	-	0	7.86	-
Angus	Arbroath	9 9 9	95	62.3	47.0	54.7	+0.8	73	29	38	7	-	-	1.01	61	.18	22	14	11	0	2	0	0	0	0	0	0	9.29	131
	Buddon Ness	9 9 9	15	63.5	44.2	53.9	-	75	13	30	7	-	-	.86	49	.16	24	14	10	0	-	0	0	0	0	0	-	-	-
	Carnoustie	9 9 9	16	64.0	47.6	55.8	-	75	13,29	38	7	60.5	-	.97	-	.15	28	16	11	0	0	1	0	0	0	2	0	8.82	-
	Dundee	9 9 9	147	66.4	47.7	57.1	+1.8	78	13	38	7	59.6	-	.91	54	.28	24	11	8	0	0	0	0	-	0	1	0	9.03	149

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'd	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average							
				A Max.	B Min.		Mean of A and B	Maximum	Date					Minimum	Date												Amount	Date					
				°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.					
6a SCOTLAND, W.																																	
Argyll	Colonsay ..	9 9 9	87	63.6	47.3	55.5	-	77	15,17	37	12	-	-	3.51	125	.91	27	19	9	0	-	-	-	-	0	-	-	-	-	-	-	-	
	Dunoon (Benmore)	9 9 9	46	66.1	41.8	53.9	-	81	15,16	34	7,9	57.1	53.5	3.65	-	1.20	28	13	10	0	0	0	0	1	0	0	4	0	-	-	-		
	Dunoon Water Works	9 9 9	228	67.2	46.5	56.9	-	81	15,16	38	7	-	-	3.80	-	1.64	27	10	8	0	-	-	-	0	0	11	0	-	-	-	-		
	Glenbranter ..	9 9 9	120	65.8	43.6	54.7	+0.2	81	15,16	32	9	-	-	4.00	-	1.39	27	11	11	0	0	0	0	1	3	0	-	-	-	-	-		
	Loch Fyne (Lephinmore) ..	9 9 9	30	65.4	47.1	56.3	-	81	15	37	8	-	-	3.93	-	1.25	27	12	9	0	0	0	0	1	0	0	0	0	8.98	-	-		
	Tiree ..	¶§	21-9 9	29	60.3	49.3	54.8	+1.2	73	17	41	8	-	-	2.37	93	.61	1	11	9	0	0	0	0	0	0	0	0	9.51	140	-		
Bute	Millport ..	9 9 9	16	63.7	49.7	56.7	-	79	15	41	10	-	-	2.49	-	.72	27	12	10	-	0	-	-	0	0	-	-	-	-	-	-		
	Rothsay ¶	2121 9	200																														
Dumarton	Helensburgh ..	9 9 9	293	66.8	46.8	56.8	+1.4	80	15,16,17	37	8,23	-	-	2.55	86	.83	27	10	7	0	0	0	0	0	0	0	0	9.04	153	-	-		
	Falkirk ..	9 9 9	100	68.0	47.8	57.9	-	80	14	37	10	-	-	1.73	-	.71	27	12	9	0	0	0	0	1	0	0	-	-	-	-	-		
	Stirling ..	9 9 9	151	66.6	47.9	57.3	+0.8	84	14,16,21	37	10	62.1	54.0	2.37	105	.62	9	14	9	0	0	1	0	0	0	0	0	-	-	-	-		
Renfrew	Barrhead ..	9 9 9	97	65.7	45.2	55.5	-	81	15	32	7	-	-	2.28	-	.90	27	11	8	0	0	1	1	0	1	0	0	0	0	0	0		
	Greenock ..	9 9 9	200	66.1	49.4	57.7	+1.6	82	15	41	10	-	-	2.41	77	.86	26	10	7	0	0	1	0	0	0	0	0	9.29	-	-	-		
	Paisley ..	2121 9	106	68.2	49.4	58.8	+1.8	84	15	39	7	59.3	53.6	2.21	89	.79	27	11	7	0	0	0	0	0	0	0	0	8.86	146	-	-		
	Renfrew ..	¶§	21-9 9	26	67.6	47.7	57.7	+2.1	84	15	36	7	-	-	1.85	84	.69	27	11	6	0	0	1	0	0	0	5	0	8.90	147	-		
Lanark	Carnwath ..	9 9 9	706	64.0	43.7	53.9	-	78	14	31	23	-	-	2.13	-	.50	6	15	7	1	0	0	1	0	4	5	0	-	-	-	-		
	Coalburn ..	9 9 9	920	63.3	42.6	52.9	-	78	16	30	24	54.9	-	2.53	-	.59	26	11	7	0	0	0	0	0	1	16	0	9.34	-	-	-		
	Coatbridge ..	9 9 9	256	66.1	46.9	56.5	-	83	15	36	7	-	-	2.35	-	.81	27	10	7	0	0	1	0	0	0	0	-	-	-	-	-		
	Glasgow, Spr. Pk.	9 9 9	351	67.1	46.9	57.0	-	82	15	37	10	-	-	2.41	-	.93	27	11	6	0	-	1	0	-	0	0	0	0	0	8.89	-	-	
	Glengavel ..	9 9 9	839	62.5	44.1	53.3	-	78	16	34	10	-	-	3.04	-	.97	27	12	7	0	0	1	2	0	0	0	0	-	-	-	-		
	Leadhills ..	9 9 9	1270	63.0	41.1	52.1	-	79	16	28	10	-	-	2.95	-	.68	27	14	10	0	0	1	2	0	7	9	0	-	-	-	-		
	Thorntonhall ..	9 9 9	453	64.5	45.1	54.8	-	81	15	34	7	-	-	2.50	-	.98	27	10	7	0	0	0	1	-	0	7	0	8.55	-	-	-		
Ayr	Auchincruive ..	9 9 9	147	66.3	46.9	56.6	-	83	15	37	8,24	57.0	52.0	1.83	-	.54	26	10	6	0	0	0	1	0	0	8	0	9.64	-	-	-		
	Colmonell ..	9 9 9	170	65.1	44.9	55.0	0.0	82	17	31	8	-	-	1.29	51	.53	26	7	5	0	0	0	0	2	1	4	1	-	-	-	-		
	Kilmarnock ..	9 9 9	115	66.7	47.5	57.1	+0.9	83	16	37	10	59.1	-	2.16	98	.81	27	9	5	0	0	0	0	0	0	6	0	9.43	152	-	-		
	Largs (Woodbank)	9 9 9	25	66.5	47.2	56.9	-	84	17	38	7,10,26	-	-	2.65	-	.91	27	11	11	-	-	-	-	0	0	1	-	-	-	-			
	Prestwick ..	9 9 9	17	64.5	48.7	56.6	-	83	15	40	7,8,24	-	-	2.13	111	.65	26	8	8	0	0	0	1	0	0	0	0	9.32	-	-	-		
	„ Airport	21-9 9	30	65.7	48.5	57.1	-	84	16	39	8,9,10	-	-	2.06	-	.64	26	9	6	0	0	0	0	0	0	1	0	10.44	-	-	-		
	Turnberry ..	9 9 9	25	65.6	48.3	56.9	+1.7	81	17	39	8	-	-	1.78	-	.57	26,28	9	8	0	0	0	0	0	0	0	0	9.57	-	-	-		
Dumfries	Dumfries ..	¶§	9 9 9	140	66.3	47.3	56.8	+1.0	82	16	38	8,12,24	57.2	53.1	1.07	42	.85	26	5	4	0	-	0	0	0	0	5	0	9.16	143	-		
	Eskdalemuir ¶§	21-9 9	794	64.7	43.1	53.9	+0.9	82	16	30	12,23,26	56.3	50.9	1.67	53	.57	26	9	6	1	0	0	1	1	4	6	0	9.20	161	-			
	Ruthwell ¶§	8 8 8	95	68.8	45.5	57.1	+1.0	87	16	35	23	-	-	.91	-	.68	26	8	4	-	-	0	0	-	0	0	0	9.24	157	-			
Kirkcudbright	Castle Douglas ..	9 9 9	196	66.3	43.1	54.7	-	83	16	30	8,24	57.3	-	1.01	-	.76	26	5	5	-	-	0	-	0	5	9	-	9.55	-	-			
	Glenlee ..	9 9 9	181	67.2	43.6	55.4	-	82	16	32	12,24,26	-	-	1.54	-	.97	26	8	7	0	0	0	0	0	3	6	0	-	-	-	-		
	Glenochter Barrage	9 9 9	154	66.8	45.0	55.9	-	81	16	33	10,12	-	-	1.16	-	.89	26	4	4	-	-	0	-	0	0	0	-	-	-	-			
Wigtown	West Freugh ..	21-9 9	50																														
6b ISLE OF MAN																																	
Isle of Man	Douglas ..	9 9 9	284	64.1	49.6	56.9	+1.8	78	16	41	7	-	-	1.79	70	1.34	26	8	6	0	0	0	1	0	0	0	0	-	10.22	141	-	-	
	Point of Ayre ..	21-9 9	30	66.5	50.3	58.4	-	75	16,21	39	7,12	-	-	.96	-	.64	26	6	3	0	0	0	0	2	0	0	0	10.18	-	-	-		
	Ronaldsway ..	21-9 9	55	63.7	49.0	56.3	-	79	16	38	7	-	-	1.60	85	1.17	26	8	6	0	0	0	1	0	0	1	0	9.77	-	-	-		
2 ENGLAND, N.E.																																	
Northumberland	Acklington ..	21-9 9	138	62.9	46.8	54.9	-	74	28	38	21	-	-	1.92	-	.50	21	14	9	0	0	2	2	0	0	0	0	8.70	-	-	-		
	Bellingham ..	9 9 9	849	65.2	44.4	54.8	+1.0	78	16	35	12,23	-	-	1.80	78	.42	21	12	9	0	0	0	3	-	0	-	-	-	-	-	-		
	Berwick-on-Tweed	9 9 9	76	61.3	49.2	55.3	+1.3	71	29	42	21	-	-	.98	57	.25	9	10	8	0	0	1	1	2	0	0	0	8.90	136	-	-		
	Cockle Park ¶§	2121 9	326	63.2	45.8	54.5	+0.2	73	21	39	11,23	58.1	53.8	1.41	64	.40	21	13	8	0	0	0	1	0	0	0	0	8.88	1438	-	-		
	Haydon Bridge ..	9 9 9	270	67.0	45.0	56.0	-	78	17	33	24	56.6	50.2	.92	-	.25	8	10	7														

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE, 1957

Table with columns: DISTRICT, COUNTY AND PLACE; Terminal Hours of Observation; Height of Station above Mean Sea Level; AIR TEMPERATURE IN DEGREES FAHRENHEIT (Means of A, B; Difference from Average; Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); RAINFALL (Total Fall, Percentage of Average, Most in a day); WEATHER (Precipitation, Snow or Sleet, Snow lying, Hail, Thunder heard, Fog, Air Frost, Ground Frost, Gale); BRIGHT SUNSHINE (Daily Mean, Percentage of Average).

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average		
			A	B			Maximum	Date	Minimum	Date					Amount	Date														
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	hr.	%	
5 ENGLAND, S.E.—cont.																														
Sussex—cont.	Worthing	9 9 9	25	68.5	53.6	61.1	+2.0	82	15,16	46	6	60.7	56.5	1.59	91	.51	25	9	7	0	0	0	0	0	0	0	0	0	10.90	134
Berkshire	Abingdon	21-9 9	210	73.0	48.9	60.9	-	87	28,29	38	12	-	-	1.73	-	1.08	30	11	6	0	0	1	4	0	0	0	0	0	10.09	-
	Finchampstead	9 9 9	212	72.5	47.1	59.8	-	91	29	34	12	-	-	.89	-	.26	10	10	7	0	0	0	3	0	0	0	2	0	8.94	-
	Hurley	9 9 9	140	72.4	48.8	60.6	-	91	29	38	23	62.7	-	2.10	-	.75	9	8	8	0	0	0	7	0	0	0	0	0	9.14	-
	Reading	9 9 9	148	73.1	50.6	61.9	+2.0	90	29	40	12	62.5	58.0	1.99	-	.74	9	11	8	0	0	0	4	0	0	0	-	-	-	-
	Shinfield	9 9 9	200	71.8	49.0	60.4	+1.5	89	29	37	12	-	-	1.61	81	.52	9	11	6	0	0	0	3	0	0	1	0	8.83	-	
	Wokingham	9 9 9	200	72.6	47.9	60.3	-	91	29	34	12	60.1	54.7	1.25	-	.37	24	9	9	0	0	0	3	0	0	-	-	-	-	
	Woolhampton	9 9 9	370	71.7	47.9	59.8	-	88	29	36	12	60.5	-	1.66	-	.57	9	12	6	0	0	0	5	0	0	0	0	-	-	
Hampshire	Alice Holt Lodge	9 9 9	378	71.9	47.7	59.8	-	88	29	38	13	-	-	1.25	60	.29	9	10	9	0	0	-	1	0	0	0	0	9.68	-	
	Blackbushe	21-9 9	325	73.3	49.8	61.5	-	92	29	38	12	-	-	.85	-	.29	25	9	5	0	0	0	3	0	0	1	0	-	-	
	Bournemouth	9 9 9	130	70.0	49.6	59.8	+0.5	84	15	40	12	61.7	56.9	1.38	69	.42	18	10	4	0	0	0	7	0	0	0	0	10.71	140	
	Everton	9 9 9	51	70.2	49.2	59.7	-	85	17	39	12	-	-	2.25	-	.74	22	8	5	0	0	0	5	0	0	0	0	10.37	-	
	Hayling Island	9 9 9	13	69.2	52.3	60.7	-	83	15,16	42	12	-	-	1.45	-	.39	18	11	7	0	0	0	4	0	0	-	0	10.84	-	
	Leckford	9 9 9	385	70.8	48.0	59.4	-	86	29	39	12	59.4	-	1.88	-	.45	9,18	10	8	-	0	2	0	0	0	1	0	9.13	-	
	Long Sutton	9 9 9	512	71.9	51.2	61.5	+3.2	89	29	36	12	-	-	.80	-	.24	9	12	7	-	0	1	3	0	0	-	-	-	-	
	Portsmouth	9 9 9	7	70.0	54.0	62.0	+1.5	83	15	45	11	62.5	57.7	1.75	97	.42	30	9	7	0	0	0	3	0	0	0	-	10.80	136	
	Ringwood	9 9 9	250	72.7	49.4	61.1	-	88	17	37	11	61.4	56.2	1.64	-	.57	18	10	8	0	0	1	8	0	0	0	0	-	-	
	Southampton	2121 9	65	74.1	51.9	63.0	+3.2	88	17	41	12	-	-	1.69	84	.52	9	10	10	0	0	-	6	0	0	0	0	10.08	136	
	S. Farnborough	21-9 9	226	72.6	49.3	60.9	+1.9	90	29	39	12	-	-	1.13	59	.39	9	11	6	0	0	1	3	0	0	2	0	9.66	132	
	Winchester	9 9 9	124	72.8	47.7	60.3	-	87	29	34	12	-	-	52.9	1.52	-	.41	24	8	7	0	0	6	0	0	0	0	9.76	-	
I. of Wight	Newport	9 9 9	60	74.7	51.2	62.9	+3.8	85	17	36	12	-	-	1.55	-	.45	18	8	7	0	0	0	2	0	0	-	-	-	-	
	Ryde	9 9 9	15	69.9	53.7	61.8	+2.0	83	17,30	46	13	-	-	2.07	-	.52	24	9	6	0	0	0	3	0	0	-	0	10.51	130	
	Sandown	9 9 9	13	69.5	53.7	61.6	+2.3	81	30	46	11,12	-	-	2.12	-	.59	24	9	6	0	0	0	3	0	0	-	0	11.27	133	
	Shanklin	9 9 9	180	68.0	51.9	59.9	-	82	17,29	43	11,13	-	-	3.04	-	1.23	18	10	6	0	0	-	1	5	0	-	-	11.47	-	
	Ventnor Park	9 9 9	443	67.7	54.4	61.1	-	79	17,30	44	11	62.1	55.8	3.03	160	1.05	18,24	9	6	0	0	0	2	0	0	0	-	10.79	-	
Wiltshire	Boscombe Down	21-9 9	414	71.1	49.3	60.2	-	84	17,29	38	12	-	-	1.99	104	.60	18	9	6	0	0	1	4	0	0	1	0	9.70	-	
	Lacock (Lackham)	9 9 9	160	71.4	44.7	58.1	-	85	28	35	12,13	-	-	1.42	-	.37	30	6	6	0	0	0	2	0	0	-	0	-	-	
	Larkhill	9 9 9	431	70.7	47.9	59.3	+1.8	84	17	37	12	-	-	2.02	105	.64	18	9	6	0	0	3	0	0	4	0	-	-		
	Lyneham	21-9 9	457	71.2	48.9	60.1	-	85	28	39	11,12	-	-	1.34	-	.53	30	8	7	0	0	1	4	0	0	1	0	10.19	-	
	Porton	9 9 9	362	71.4	47.6	59.5	+2.0	84	17,29	35	12	59.5	-	1.67	84	.79	18	11	6	0	0	-	0	0	2	0	0	10.06	136	
	Upavon	21-9 9	578	70.9	49.3	60.1	-	85	29	40	11	-	-	1.39	-	.61	30	9	6	0	0	0	3	0	0	0	0	-	-	
	West Lavington	9 9 9	305	-	46.2	-	-	-	-	38	28	-	-	1.54	-	.90	30	9	7	0	0	0	3	0	0	0	-	-	-	
7a ENGLAND, N.W.																														
Cumberland	Alston	9 9 9	1070	62.9	42.8	52.9	-	77	16	31	23	54.0	49.7	2.28	-	.85	7	13	9	0	0	1	0	0	2	4	-	8.80	-	
	Keswick	9 9 9	254	67.3	47.6	57.5	+1.3	83	16	36	12	59.3	52.6	1.48	51	.58	26	8	6	0	0	0	0	0	0	0	0	9.72	160	
	Newton Rigg	9 9 9	560	67.0	44.2	55.6	+0.3	81	16	35	24	-	-	1.05	47	.26	26	8	7	0	0	1	0	0	0	1	0	9.60	152	
	Sellafield	9 9 9	43	65.2	48.6	56.9	-	83	17	39	12,24	-	-	2.22	-	.94	26	9	7	0	0	0	0	1	0	1	0	10.27	-	
	Silloth	21-9 9	25	65.3	47.8	56.5	-	82	15	36	24	-	-	1.46	-	.88	26	4	4	0	0	0	0	0	3	0	0	9.66	-	
Westmorland	Ambleside	9 9 9	151	68.3	45.2	56.7	-	85	16	35	24	-	-	2.76	80	1.24	26	11	11	0	0	0	1	0	0	-	0	-	-	
	Moor House	9 9 9	1840	60.0	39.4	49.7	-	72	16	26	24	51.0	-	2.13	-	.70	26	11	9	0	0	0	3	7	16	0	0	9.63	-	
Lancashire	Bolton	9 9 9	342	68.1	48.2	58.1	+1.0	84	28	41	24,25	56.9	52.3	2.58	87	.76	7	13	9	0	0	1	0	0	0	-	0	9.46	160	
	Burnley	9 9 9	458	67.2	46.4	56.8	+1.0	83	28	33	23	57.4	52.5	2.08	-	.64	8	6	6	0	0	0	0	0	0	-	-	-	-	
	Darwen	2121 9	724	68.0	46.6	57.3	+1.1	81	28	36	23	58.5	51.9	2.64	77	.80	8	11	8	0	0	0	2	0	0	0	0	-	-	
	Helmshore	9 9 9	854	64.5	47.4	55.9	-	79	28	38	23	-	-	2.66	-	.62	7	9	8	0	0	-	0	0	5	-	0	9.85	-	
	Kirkham	9 9 9	77	66.8	47.5	57.1	-	81	16,17	35	23	-	-	2.27	95	.64	26	9	8	0	0	0	0	0	0	2	0	0	10.31	-
	Manchester (Whitworth Pk.)	2121 9	125	70.1	50.5	60.3	+1.8	83	16,17	43	23	59.3	54.3	1.83	69	.48	7	11	9	0	0	0	0	0	0	-	0	8.85	161	
	Morecambe	9 9 9	24	66.3	51.3	58.8	+1.3	83	16,17	42	23	-	-	1.88	81	.91	26	7	6	0	0	0	0	0	0	-	0	9.64	134	
	Nelson	9 9 9	540	66.1	46.6	56.3	-	81	28	35	23	57.5	52.0	2.40	86	.62	3	12	8	-	0	-	0	0	4	-	-	-		

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n in (0.2 mm or more)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date			
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr.	%
8a SOUTH WALES																														
Cardigan	Aberporth ..	21-9 9	376	64.6	51.2	57.9	-	80	15,17	43	25	-	-	1.91	86	.81	8	8	6	0	0	0	0	0	0	0	0	10.90	-	
	Aberystwyth ..	9 9 9	12	67.0	50.9	58.9	-	86	17	40	24	-	-	1.47	60	.51	8	9	7	0	0	0	0	1	0	0	0	10.21	155	
	„ Llety-evan-hen	9 9 9	950	64.5	48.8	56.7	-	79	17,18	40	2,10	-	-	2.49	-	.82	8	12	9	0	0	0	0	2	0	0	8	-	9.81	-
	„ P.B.S.*	9 9 9	452	66.7	49.5	58.1	-	83	18	40	24	-	-	2.03	-	.97	8	11	5	0	0	0	0	2	0	0	3	-	10.38	161
	Gogerddan	9 9 9	103	68.6	47.3	57.9	-	84	16,17,18	37	2,24	-	-	2.31	-	1.10	8	9	7	0	0	0	0	1	0	0	2	0	9.87	-
	Swyddfynnon ..	9 9 9	588	66.6	45.4	56.0	-	80	18	33	24,26	-	-	3.70	-	2.29	8	10	7	0	0	0	0	1	0	0	4	0	-	-
	Trawscod ..	9 9 9	200	69.0	45.4	57.2	-	82	17,18	34	24	-	-	2.65	-	1.34	8	10	8	-	0	0	0	0	0	13	-	9.34	-	
Pembroke	Dale Fort	9 9 9	109	66.2	52.4	59.3	-	81	16,17	47	2,24	-	-	2.48	-	1.16	8	8	6	0	0	0	2	1	0	0	0	0	10.89	-
	Haverfordwest ..	9 9 9	131	68.1	49.3	58.7	+2.3	82	16	38	2,12	-	-	3.19	118	1.34	8	8	7	-	-	-	0	0	0	0	-	-	-	
	Milford Haven ..	9 9 9	179	67.2	50.4	58.8	-	83	16	42	10	-	-	2.06	-	.77	8	9	7	0	0	0	1	0	0	0	0	0	10.35	-
	Pembroke Dock ..	21-9 9	34	67.9	51.6	59.7	-	83	16,18	42	12	-	-	3.04	129	1.75	8	9	8	0	0	0	3	0	0	0	0	0	10.88	-
	Tenby ..	9 9 9	64	68.2	51.5	59.9	+2.2	81	16	41	2	-	-	3.31	138	1.12	8	10	10	0	0	0	3	0	0	0	0	0	10.84	145
Radnor	Llandrindod Wells †§	9 9 9	772	69.3	45.3	57.3	+1.8	82	28	32	12	-	-	1.60	71	.38	9	11	7	0	0	0	0	0	1	-	0	9.26	150	
	Llwyn ..	9 9 9	860	46.0	-	-	-	81	17,18	35	11,12,26	-	-	1.26	36	.27	7	13	11	0	0	1	1	0	0	0	-	-	-	
Glamorgan	Cardiff .. †§	9 9 9	202	71.9	51.2	61.5	+3.0	85	17,28	43	11,12,23	61.9	56.3	.96	38	.41	9	7	7	0	0	0	1	0	0	0	0	10.04	139	
	Neath ..	9 9 9	153	70.3	51.8	61.1	-	85	15	41	12,26	-	-	1.93	-	.92	18	10	6	0	0	0	2	0	0	0	0	0	-	
	Port Talbot ..	9 9 9	24	70.9	50.4	60.7	-	85	17	39	26	-	-	1.03	-	.27	30	10	6	0	0	0	2	0	0	0	0	9.61	5	
	Rhosee ..	21-9 9	220	69.6	50.3	59.9	-	85	17,18	39	12	-	-	1.63	-	.53	9	8	8	0	0	0	1	0	0	0	0	10.78	-	
	Swansea ..	9 9 9	27	70.1	53.2	61.7	+2.3	83	16	44	11	66.9	60.6	1.46	-	.55	18	6	6	0	0	0	1	0	0	0	0	0	11.16	189
Monmouth	Newport ..	9 9 9	75	71.6	49.9	60.7	-	85	17	39	12	-	-	1.06	-	.30	9	8	7	0	0	0	1	0	0	0	0	9.67	-	
	Tredegar ..	9 9 9	1028	67.8	47.1	57.5	-	80	17,18,29	36	26	-	-	.77	-	.30	30	9	5	0	0	1	1	0	0	0	0	9.58	5	
	Usk ..	9 9 9	70	71.6	46.8	59.2	-	85	17	35	12,26	62.7	-	.80	-	.29	8	9	6	0	0	0	1	0	0	0	0	9.51	-	
8b ENGLAND, S.W.																														
Somerset	Bath .. †§	9 9 9	67	72.1	50.1	61.1	+1.6	85	17,18	38	12	62.7	57.4	1.27	55	.36	30	7	7	0	0	0	4	0	0	3	0	10.05	144	
	Bickenhall ..	9 9 9	231	70.5	48.3	59.4	-	83	17,18	40	12,13	60.9	54.9	3.31	-	1.04	8	9	6	0	0	1	6	0	0	0	0	10.32	-	
	Cannington ..	9 9 9	95	70.6	51.4	61.0	-	84	17,18	43	13	-	-	2.19	-	.66	9	7	7	0	0	2	4	0	0	0	0	10.29	-	
	Long Ashton ..	9 9 9	162	71.8	49.2	60.5	+1.9	86	17	38	12	62.0	-	1.79	71	.72	9	10	6	0	0	0	4	0	0	3	-	9.74	137	
	Weston-s.-Mare ..	9 9 9	28	70.9	52.0	61.5	-	85	17	43	12	-	-	1.44	66	.44	8	8	7	0	0	0	3	0	0	0	0	10.27	145	
	Wootton Courtenay	9 9 9	486	68.3	47.4	57.9	-	80	18	38	26	-	-	1.62	-	.47	9	8	6	0	0	0	4	0	0	6	0	10.65	-	
Dorset	Poole ..	9 9 9	18	72.5	47.6	60.1	-	86	15,17	37	12	-	-	1.59	-	.52	22	8	6	0	0	0	3	0	0	-	-	10.53	-	
	Portland Bill ..	21-9 9	32	64.8	54.6	59.7	+2.7	74	17	46	12	-	-	.97	63	.50	18	8	3	0	0	0	3	0	0	0	0	-	-	
	Shaftesbury ..	9 9 9	680	69.5	49.1	59.3	+2.2	88	28	41	6,12	-	-	2.38	-	1.10	18	9	8	0	0	0	4	0	0	0	0	-	-	
	Swanage ..	9 9 9	34	67.5	52.0	59.7	-	79	17	44	6	-	56.7	-	-	-	-	-	-	0	0	0	3	0	0	0	0	10.70	-	
	Weymouth ..	9 9 9	16	70.3	52.5	61.4	+2.3	84	17	42	25	-	-	2.43	137	1.45	18	8	5	0	0	0	3	0	0	0	0	10.86	139	
Devon	Chivenor ..	21-9 9	20	70.0	50.9	60.5	-	85	16,18	42	11,12	-	-	1.60	-	.40	30	7	7	0	0	0	4	0	0	0	0	11.23	-	
	**East Budleigh ..	9 9 9	64	69.9	48.8	59.3	-	85	18	37	26	-	-	1.22	-	.30	18	10	9	0	0	0	3	0	0	0	0	-	-	
	Exeter ..	21-9 9	106	70.5	50.0	60.3	-	83	17,18	39	6	-	-	3.26	-	1.14	18	8	6	0	0	1	6	0	0	0	0	10.31	-	
	Exmouth ..	9 9 9	195	68.4	51.5	59.9	+2.1	81	14,16,18	44	6,12,26	-	-	.94	-	.29	18	11	7	0	0	0	2	0	0	0	0	10.47	145	
	Hartland Pt. ..	21-9 9	298	63.3	53.4	58.3	-	77	15	48	7,26	-	-	1.86	-	.57	8	11	7	0	0	0	6	2	0	0	0	10.13	-	
	Ifracombe ..	9 9 9	25	67.2	54.3	60.7	+2.6	82	18	47	12,13,14	64.3	59.4	1.33	61	.37	18	8	7	0	0	0	2	0	0	0	0	11.27	150	
	†Newton Abbot ..	9 9 9	272	70.3	50.6	60.5	+2.3	83	18	40	26	-	-	2.19	111	.97	8	8	6	0	0	0	4	0	0	0	0	9.96	142 5	
	Paignton ..	9 9 9	8	69.5	52.7	61.1	-	81	28	42	25	-	-	.60	-	.14	24	7	6	0	0	0	3	0	0	-	-	9.69	126	
	Plymouth																													
	(Mount Batten)	21-9 9	87	67.3	52.3	59.8	+1.8	80	15,16	41	6,26	-	-	1.69	78	.74	9	6	6	0	0	0	3	1	0	0	0	10.27	137	
	Plymouth (The Hoe)	9 9 9	119	68.3	53.3	60.8	+1.9	82	16	44	6,26	61.3	57.8	1.68	78	.71	9	7	6	0	0	0	2	0	0	0	0	10.24	136	
	Princetown ..	9 9 9	1359	64.8	49.7	57.3	-	78	16,18,29	41	10,12	-	-	2.62	65	1.02	8	7	7	0	0	0	2	0	0	0	0	-	-	
	Sidmouth ..	9 9 9	25	68.3	51.7	60.0	+2.0	83	16	42	25,26	-	-	1.26	-	.45	18	7	6	0	0	0	3	0	0	0	0	10.41	5	
	Starcross ..	9 9 9	29	69.7	50.6	60.1	-	82	16,18	39	6	-	-	1.56	-	.52	9	10												

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28 OCT 1957

DUPLICATE

Monthly Weather Report

M.O. 625

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 7

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6372 6

July 1957—Warm for a week, then rather cool; frequent rain

During the first six days of July weather was warm and thundery. Pressure distribution over the country was indefinite, although a rather weak low pressure area remained almost stationary to the south-west of the British Isles, while at 500 mb. a pronounced trough persisted in the eastern Atlantic with an upper low off the coast of Portugal. Most of the remainder of the month was cool and unsettled with low pressure systems moving eastwards towards the British Isles and a rather persistent trough at 500 mb. A ridge from the Atlantic brought fine weather to most of the country during the last few days of the month.

The hot weather of the end of June did not continue into July although the month began sunny and warm with a weak ridge of high pressure extending north-east over the British Isles. On the 2nd an upper low formed off the coast of Portugal while a shallow depression moved northward from the Bay of Biscay bringing widespread thundery rain and locally severe thunderstorms to southern England; 2.46 in. of rain fell during such a storm at Plymouth in 1 hr., an amount almost equal to the average rainfall there for the whole of July. Another 'rare fall' occurred at Hastings where more than 1½ in. of rain was recorded in 15 min. Heavy thunderstorms and widespread floods were reported on the 4th and again on the 6th as a depression off north-west Spain moved north-east towards the British Isles. Afternoon temperatures exceeded 80°F. in many places during each of these first six days of the month and 93°F. was reached locally in the London area on the 6th. The nights also were very warm; by the 7th temperature at Kew had not fallen below 60°F. for 10 days.

On the 7th the upper air low which had been in the region to the west of Spain since the beginning of the month moved north to the Irish Sea, and soon afterwards the weather changed to a westerly pattern which persisted for most of the remainder of the month with a good deal of cloud, frequent rain and temperature somewhat below average. A blocking high developed over Russia on the 11th and depressions approaching from the Atlantic became slow-moving over the British Isles. A depression which deepened off the west of Ireland and moved eastward on the 11th was the first of three such systems to give widespread rain, heavy and thundery in places. This depression did not reach the North Sea until the 14th, the second moved across the country on the 17th and 18th and the third was complex and gave outbreaks of thundery rain in many places on the 20th and 21st. The heaviest rainfall about this period was at Dyce where 4.37 in. of rain fell in the 72 hr. up to 9 h. on the 20th.

From 22nd–25th warm air spread slowly across the country from the south-west bringing light rain to many places and fog to windward coasts. By the 25th the warm air had reached extreme north-east Scotland giving dull weather with persistent and locally heavy rain over the mainland, but Shetland, in the cooler air to the north, had 13.4 hr. of sunshine. The same day, a trough, associated with a depression near Iceland, extended south-eastwards and a fresh centre formed off the Hebrides. A cold front to this new depression brought a broad belt of rain over the country and there were further heavy falls in Scotland. The total rainfall for the three days 24th–26th at both Inverailort and Arisaig in Inverness-shire was about 7 in. The cold front rain was followed by a day or two of cooler showery weather with sunny periods and fresh west to north-west winds.

On the 30th a small anticyclone developed over the British Isles giving the first generally fine day for about four weeks.

Pressure and wind. Pressure was generally below the average, the deviation at 9 h. ranging from -2.2 mb. at Tunbridge Wells to +1.4 mb. at Stornoway. Winds were rather light and variable during the first six days although they were often from an easterly direction. Apart from

the 21st when they were north-westerly, winds from a westerly or south-westerly direction predominated from the 7th to 27th but became mainly north-westerly during the last few days of the month. Gales occurred on three days only, the 12th, 26th and 27th. At Tiree gale force winds were maintained for 7 hr. on the 26th and reached 55 kt. in gusts.

Temperature. Mean temperature differed from the 1921–50 average by +0.5°F. in England and Wales, -0.1°F. in Scotland and -0.3°F. in Northern Ireland. After the warmth of the first week, when temperature in south-east England was 10°F. above the average for the period, day temperatures were mostly below normal but night minima were generally high. Frost occurred in a few places; at Dalwhinnie 26°F. was recorded on the grass on the 6th and 9th and screen temperature fell to 33°F. on the latter date.

Extreme temperatures for the month included:—(England and Wales) 93°F. at Camden Square on 6th, 38°F. at Stone on 11th and at Berwick-on-Tweed on 15th; (Scotland) 82°F. at Glenlee, Kirkcudbrightshire, on 6th, 31°F. at Achnashellach on 16th; (Northern Ireland) 77°F. at Armagh on 5th, 41°F. at Ballykelly, Garvagh, Aldergrove and Nutts Corner on 11th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 144 over England and Wales, 152 over Scotland and 144 over Northern Ireland. The only parts of England and Wales in which less than average rainfall occurred were small areas in East Anglia, Cornwall and Cumberland. More than twice the average was recorded in south-west Sussex, parts of Montgomeryshire and in Anglesey. In Scotland rainfall was below average locally in the extreme south and in the Hebrides; it was more than twice the average over much of the north-east and more than 250 per cent. of the average in parts of Aberdeenshire and Ross and Cromarty. At Craibstone it was the wettest July since records began 40 yr. ago; at Loch Leven Sluice (Kinross-shire) it was the wettest since 1883.

Among the heavier falls in 24 hr. were:—

4th 3.17 in. at Corris (Ceinws Camp), Montgomeryshire.

6th 3.36 in. at Netherseal (Chilcote), Leicestershire.

24th 3.15 in. at Arisaig House, Inverness-shire.

26th 3.17 in. at Brenchoillie, Argyllshire.

Thunder occurred more frequently than usual during July. In Scotland no thunder was reported after the 20th, but there were 16 days of thunder up to that date. Thunderstorms were severe in places on the 7th, 12th and 13th. In England and Wales thunder occurred on 22 days, particularly on 3rd, 6th, 19th–21st; many stations reported thunder on 8 or 9 days.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 78 over England and Wales, 74 over Scotland and 61 over Northern Ireland. Except in east and north-east England sunshine during the first week was above the average for the period; during the remaining weeks sunshine was well below the average and in north-west England was as little as 30 per cent. of the normal during the second and fourth weeks.

Fog. In Scotland the number of days with fog, 18, was well above the average; it was frequent in the north and east, especially around the middle of the month. In England and Wales early morning fog occurred on 23 days, being more widely reported on 4th and 5th, 19th and 23rd.

Miscellaneous Phenomena. The aurora was observed in Scotland on one night.

MWR dup

TABLE I—DISTRICT VALUES—JULY, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	78	31	-1.4	0.0	-0.8	—	—	136	-3	67
Eastern										
1 SCOTLAND, E.	79	36	-1.7	+1.1	-0.3	—	—	196	+3	68
2 ENGLAND, N.E.	79	38	-1.8	+1.6	-0.1	+2.0	+1.3	125	+5	70
3 ENGLAND, E.	91	43	-0.5	+1.8	+0.6	+0.9	+0.3	120	+4	79
4 MIDLAND COUNTIES	87	38	-1.0	+1.3	+0.1	+0.9	+2.1	122	+3	73

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	93	41	+0.2	+2.3	+1.3	+2.2	+1.6	173	+6	85
Western										
6 SCOTLAND, W.	82	31	+0.4	+1.2	+0.8	-0.3	-0.3	137	-2	88
7 ENGLAND, N.W. (and N. Wales)	83	41	-1.1	+0.7	-0.2	+0.5	+0.9	146	+5	74
8 ENGLAND, S.W. (and S. Wales)	85	39	+0.4	+1.6	+1.0	+1.5	+2.7	144	+4	88
NORTHERN IRELAND	77	41	-1.4	+0.8	-0.3	—	—	—	+5	61

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—JULY, 1957

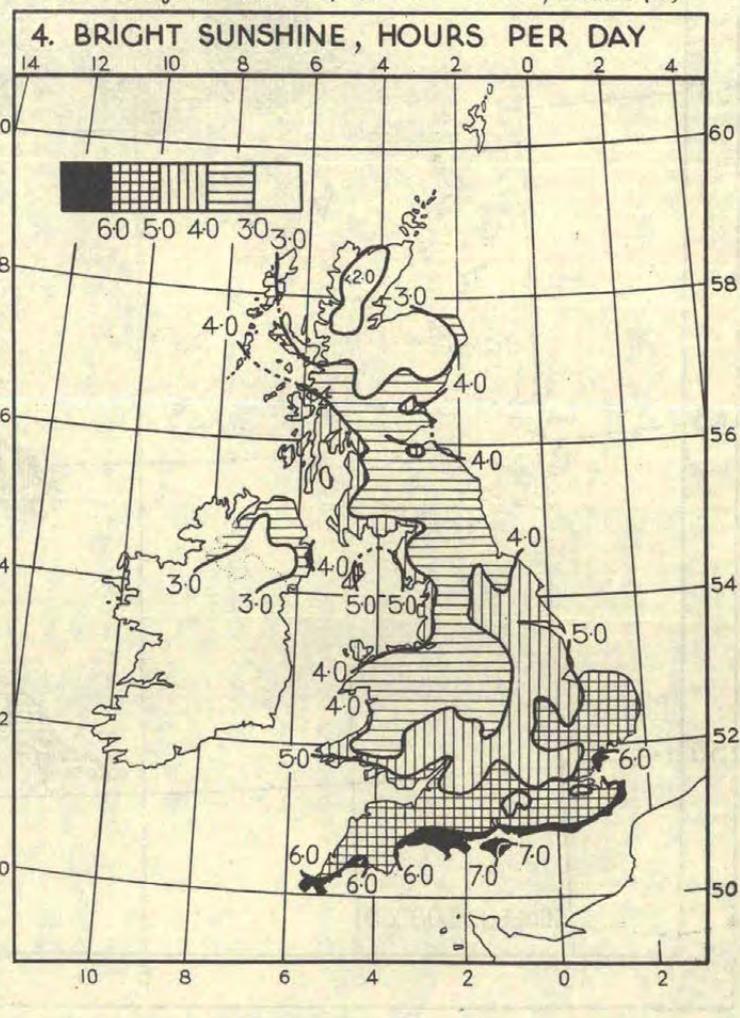
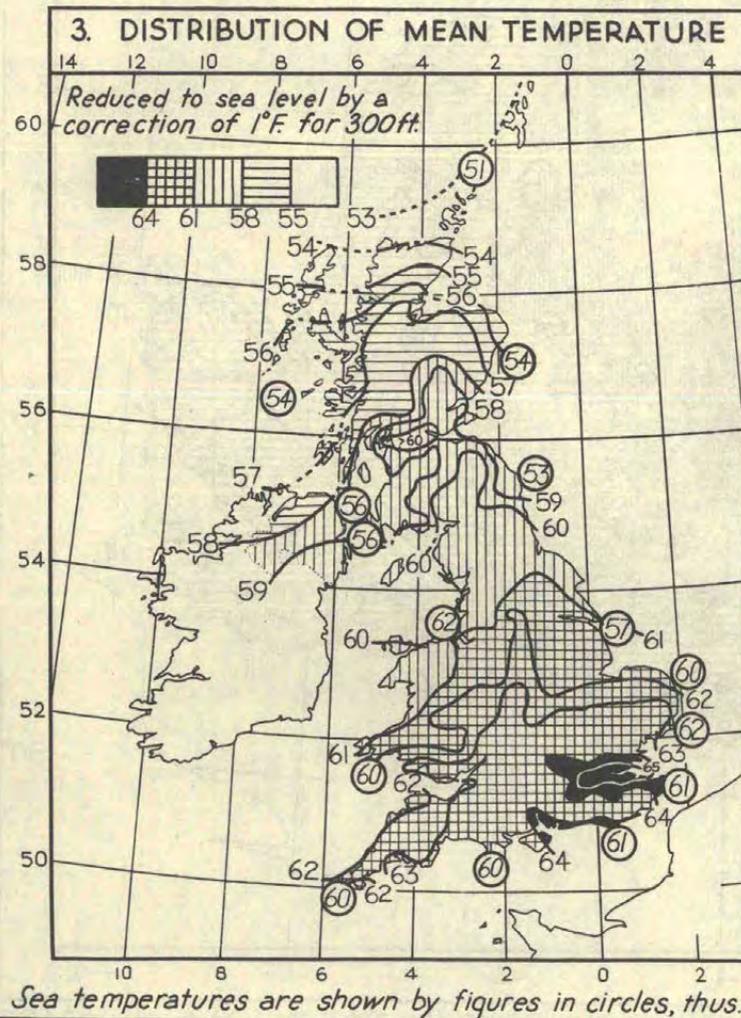
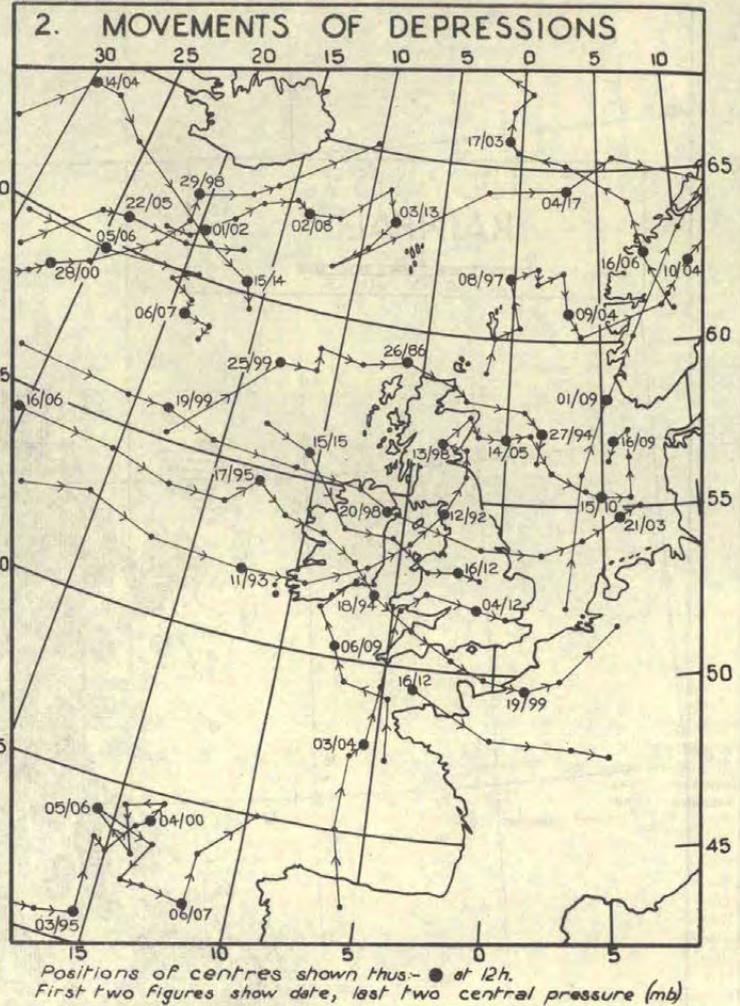
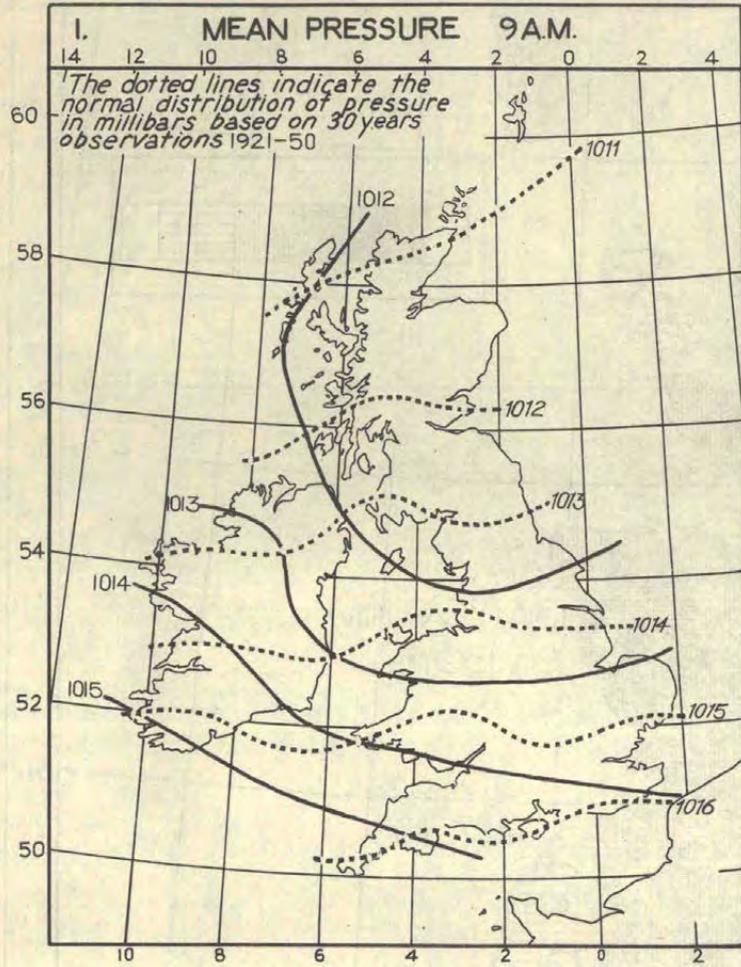
[1914]

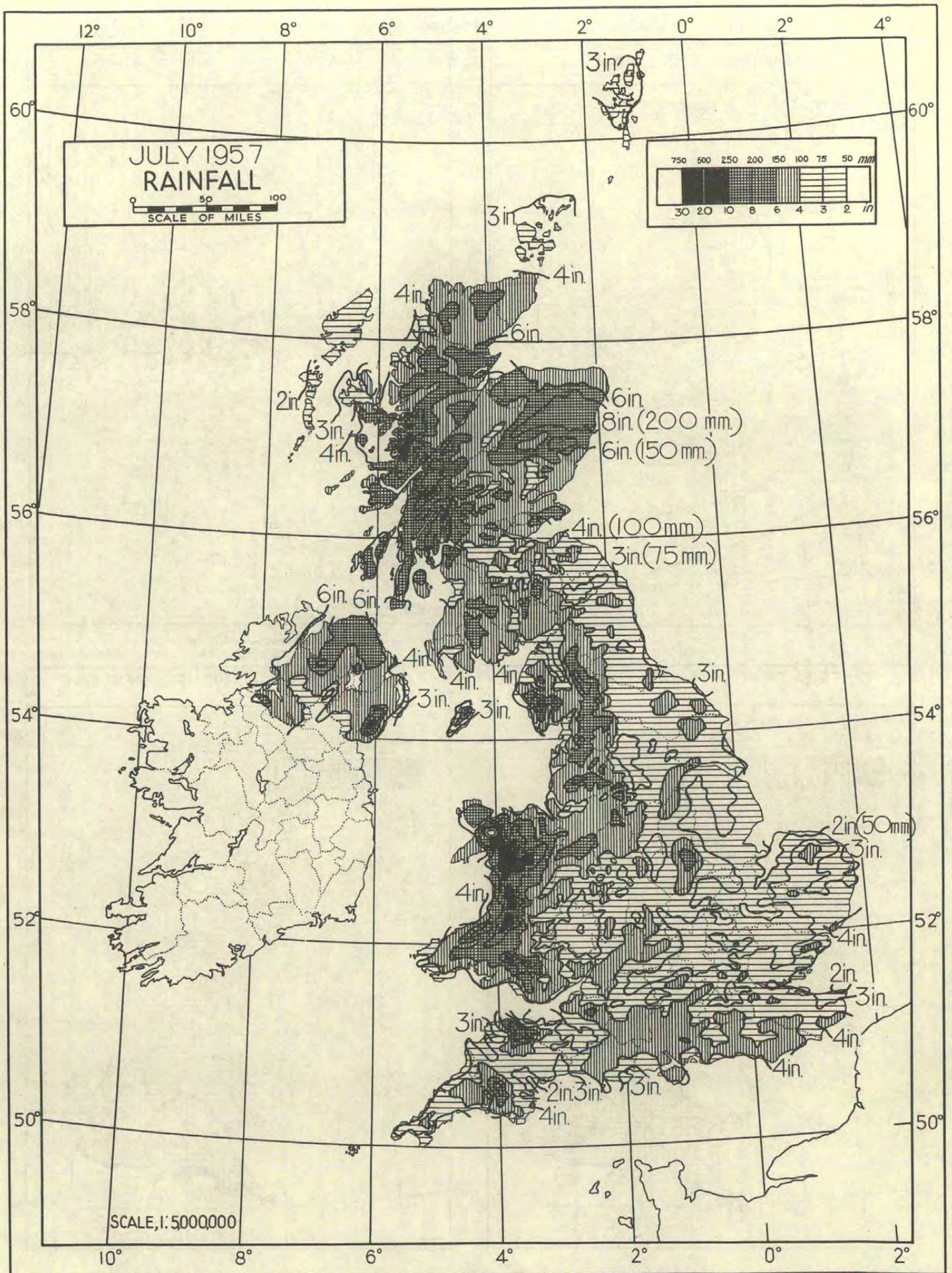
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind									Mean Wind Speed	Highest Velocities				
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust			
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration		Year from N.	Speed	Hour ended at	Speed	Day and Time
SCOTLAND																		
0 Shetland Lerwick	310	53	37	—	0	9	52	366	222	104	0	11.6	290	27	8 17	41	7 17 45	
Orkney Grimsetter	134	50	33	—	0	3	8	339	303	94	0	9.8	080	26	12 14	42	12 13 15	
Caithness Halkirk																		
Ross & Cromarty																		
Stornoway (Coastguard)	120	40	36	—	0	10	65	351	239	89	0	12.4	040	28	12 15	42	12 13 50	
Inverness Benbecula	69	51	35	—	0	11	108	341	246	49	0	12.9	280	31	26 14	46	26 03 55	
1 Aberdeen Dyce	225	40	40	—	0	0	0	81	294	369	0	4.7	320	21	28 11	32	28 10 25	
Angus Bell Rock Lighthouse	128	131	124	#														
Fife Leuchars	79	41	41	—	0	1	6	161	341	236	0	6.8	250	26	26 18	44	26 17 20	
Middlethian Edinburg	485	39	23	—	0	0	0	85	384	275	0	5.4	260	20	26 17	39	26 16 30	
6a Argyll Tiree	89	60	47	26	7	8	90	344	223	80	0	12.3	270	35	26 16	55	26 10 50	
Bute Millport	50	34	34	—	0	8	33	206	290	181	34	8.6	260	31	26 18	46	26 13 30	
Renfrew Paisley	188	81	31	—	0	0	0	26	412	306	0	4.6	250	19	26 14	45	26 13 00	
Renfrew	71	41	39	—	0	1	6	176	453	109	0	7.8	250	25	26 11	44	26 14 20	
Ayr Prestwick	80	50	40	—	0	2	13	91	427	213	0	6.4	260	27	26 15	42	26 15 35	
Dumfries Eskdalemuir	825	50	35	—	0	0	0	92	425	227	0	5.8	200	20	25 22	37	26 22 25	
ENGLAND and WALES																		
6b Isle of Man Point of Ayre	70	40	35	—	0	5	19	270	337	118	0	9.5	260	23	27 09	40	26 15 10	
2 Durham Durham	399	53	33	—	0	0	0	74	315	353	2	4.6	250	20	26 12	39	26 11 45	
South Shields	73	57	44	—	0	1	2	181	400	161	0	7.3	250	22	26 16	39	26 12 17	
Yorks., N.R. Linton-on-Ouse	73	27	33	†														
Yorks., E.R. Spurn Head	64	44	34	—	0	5	24	259	366	88	7	9.8	270	28	26 15	38	12 12 45	
Lincoln Cranwell	288	47	47	—	0	0	0	162	315	267	0	6.2	220	19	13 12	36	27 17 47	
3 Norfolk Gorleston	52	42	34	—	0	2	7	162	341	225	9	6.8	190	25	12 14	37	12 13 35	
Suffolk Felixstowe	85	75	65	—	0	3	13	269	299	163	0	8.7	200	25	12 14	40	12 13 50	
Mildenhall	98	83	60	—	0	0	0	88	403	253	0	5.8	270	20	12 19	35	27 11 40	
Bedford Cardington	285	150	135	—	0	3	14	238	351	141	0	8.5	280	28	12 16	46	7 15 25	
Dunstable	567	55	33	—	0	0	0	186	491	67	0	7.9	120	21	3 11	31	12 16 05	
Herts. Stevenage	564	111	65	—	0	0	0	237	382	125	0	8.2	200	20	7 14	34	12 17 15	
Essex Shoeburyness	115	104	89	—	0	4	23	331	354	36	0	10.9	200	29	12 11	43	12 15 40	
4 Warwick Birmingham	643	118	73	—	0	0	0	127	480	127	0	6.8	210	20	7 15	34	7 14 50	
Stafford Keele	706	50	40	—	0	0	0	59	386	276	23	5.2	190	18	7 12	39	7 11 50	
Gloucester Avonmouth	92	61	33	—	0	5	50	292	239	163	0	10.2	270	29	12 18	39	12 11 35	
5 London Kingsway	231	160	40	—	0	0	0	72	545	127	0	6.2	240	15	7 18	32	12 12 55	
Middlesex Hampton	139	101	100	—	0	0	0	140	479	125	0	7.4	230	21	7 17	36	12 12 35	
Surrey Croydon	313	105	70	—	0	0	0	103	329	312	0	5.1	230	20	27 13	37	21 14 25	
Kew Observatory	92	75	50	—	0	1	1	158	512	73	0	8.0	210	23	12 13	43	12 12 45	
Kent Dover	66	36	60	—	0	1	5	209	353	177	0	7.6	210	23	12 13	49	12 13 10	
Dungeness	70	50	33	—	0	7	57	372	275	40	0	12.2	220	30	12 16	42	27 12 30	
Isle of Grain	48	40	33	—	0	1	5	215	419	94	11	8.7	210	26	12 18	38	12 13 50	
Sussex Thorney Island	75	65	42	—	0	0	0	151	398	195	0	6.7	240	21	12 14	42	12 06 00	
Hants. S. Farnborough	318	69	35	—	0	0	0	57	313	374	0	4.3	240	18	12 16	36	12 12 20	
Berks. Abingdon	250	40	40	—	0	2	2	195	370	177	0	7.7	200	22	7 13	40	7 12 15	
Wiltshire Larkhill	491	51	36	—	0	1	1	185	422	136	0	7.7	270	23	27 14	39	27 14 20	
Porton	406	44	44	—	0	0	0	152	385	207	0	6.8	220	21	7 17	35	27 14 40	
7a Cumberland Sellafield	83	39	35	—	0	4	18	252	308	123	43	9.2	230	29	25 23	43	25 22 10	
Westmorland																		
Moor House	1960	50	45	*														
Lancashire Fleetwood	112	50	31	—	0	9	77	363	236	68	0	12.3	280	30	26 23	42	26 03 45	
Southport	63	45	36	—	0	6	69	252	271	133	19	10.5	240	31	27 04	43	27 03 50	
Speke	180	100	65	—	0	7	26	383	250	85	0	11.1	190	28	7 14	40	26 18 40	
Cheshire Bidston Observatory	262	64	39	—	0	3	31	233	305	175	0	—	270	26	27 01	47	26 18 15	
Manchester Airport	318	70	30	—	0	2	5	295	345	99	0	9.0	190	25	7 16	38	26 15 50	
7b Anglesey Holyhead (Valley)	76	50	40	—	0	5	29	269	333	113	0	10.1	200	27	25 20	36	25 19 37	
8a Cardigan Aberporth	483	41	41	—	0	10	52	336	235	121	0	11.1	290	28	27 13	46	27 12 10	
Pembroke Kete	249	49	37	—	0	3	11	304	325	101	3	9.6	300	26	27 13	44	27 13 25	
Milford Haven	246	50	35	—	0	6	50	403	205	86	0	11.8	300	30	27 13	43	27 12 59	
Glamorgan Port Talbot	91	40	35	—	0	5	15	267	399	63	0	9.5	—	24	12 03	38	3 11.05	
8b Devon Plymouth	191	88	65	—	0	7	51	307	312	74	0	11.0	260	30	12 02	48	12 01 50	
Cornwall The Lizard	315	75	60	—	0	7	51	307	312	74	0	11.0	260	30	12 02	48	12 01 50	
NORTHERN IRELAND																		
Antrim Aldergrove	281	65	65	—	0	4	20	232	381	111	0	9.0	270	27	26 19	41	26 10 40	
Londonderry Eglinton	79	61	51	†														
SCILLY ISLES																		
St. Mary's	230	65	57	—	0	8	104	342	242	56	0	13.0	240	32	11 23	52	11 21 40	

Anemograph being installed

MONTHLY WEATHER CHARTS

JULY 1957





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

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY, 1957

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				Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1 in. (0.2 mm.) or more	Precip'n 0.1 in. (1.0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date																
			Max.	Min.	Mean	Difference	Maximum	Date	Minimum	Date	1 ft.	4 ft.	in.	%	in.	Date	0.1 in. (0.2 mm.) or more	0.1 in. (1.0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	0.1 in. (0.2 mm.) or more	0.1 in. (1.0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average							
4 MID COUNTIES—cont.																																
Warwick—	Rugby ..	9 9 9	385																													
cont.	Shipston on Stour	9 9 9	365	69.1	54.7	61.9	-	83	6	46	11	62.8	-	4.66	-	1.15	21	21	16	0	0	0	0	0	0	0	0	0	0	0	4.09	-
	Stratford on Avon	9 9 9	160	70.7	54.6	62.7	-	83	6	45	17	65.3	-	4.01	180	1.26	21	20	15	0	0	0	0	0	0	0	0	0	0	0	4.24	-
	Wellesbourne ..	9 9 9	153	69.8	55.1	62.5	-	84	6	46	17	64.2	61.7	2.60	117	.47	11	20	15	0	0	0	0	0	0	0	0	0	0	0	4.18	-
	Oxford ..	9 9 9	208	70.6	56.0	63.3	+0.5	85	6	49	11, 17	64.6	60.6	3.35	141	.71	11	21	15	0	1	4	0	0	0	0	0	0	0	5.09	87	
Buckingham	Aylesbury ..	9 9 9	316	70.1	54.8	62.5	-	87	6	43	11	-	-	2.91	-	.60	16	17	13	0	0	0	0	0	0	0	0	0	0	4.64	-	
Stafford	Keele ..	9 9 9	587	65.3	53.9	59.6	-	78	5, 6	46	11	60.3	56.2	6.00	-	.89	3	22	16	0	0	0	0	0	0	0	0	0	0	3.69	- S	
	*Market Drayton	9 9 9	581	65.5	52.8	59.1	-	80	6	40	11	-	-	7.35	-	2.53	6	20	18	0	0	0	0	0	0	0	0	0	0	3.45	-	
	Oaken ..	9 9 9	409	68.5	53.5	61.0	-	82	5	42	11	60.6	-	2.96	-	.43	21	22	18	-	-	-	-	-	-	-	-	-	-	-	-	
	Stone ..	9 9 9	350	66.6	52.9	59.7	-	79	5, 6	38	11	-	-	4.65	-	.80	18	23	15	0	0	0	0	0	0	0	0	0	0	0	3.78	-
Shropshire	Newport ..	9 9 9	211	67.0	53.6	60.3	-	80	5, 6	40	11	-	-	5.52	244	1.63	6	21	17	0	0	1	6	0	0	0	0	0	0	0	3.54	- S
	Oswestry ..	9 9 9	570	66.0	53.6	59.8	-	79	5	45	11	-	-	6.61	-	1.47	3	19	13	0	0	0	3	0	0	0	0	0	0	0	3.44	- S
	Shawbury ..	21-9 9	235	67.3	54.3	60.8	-	81	5, 6	41	11	-	-	3.67	-	.85	20	21	16	0	0	0	0	7	0	0	0	0	0	0	3.45	-
	Shrewsbury ..	9 9 9	184	68.6	55.2	61.9	-	83	5	41	11	62.7	60.7	3.18	151	1.18	20	20	12	0	0	0	4	0	0	0	0	0	0	0	3.54	-
Worcester	Defford ..	21-9 9	55	69.8	54.9	62.3	-	84	6	44	17	-	-	4.12	-	.99	19	17	14	0	0	0	1	6	0	0	0	0	0	0	4.30	-
	Droitwich ..	9 9 9	106	69.9	54.5	62.2	-	84	6	43	17	-	-	2.76	-	.57	20	19	13	0	0	0	3	0	0	0	0	0	0	0	4.04	-
	Halesowen ..	9 9 9	505	67.5	53.6	60.5	-	81	6	42	11	62.0	57.0	5.09	-	.96	19	20	16	0	0	2	7	0	0	0	0	0	0	0	3.94	-
	Malvern ..	9 9 9	203	69.6	56.1	62.9	+0.6	83	6	49	11, 17	65.6	59.4	3.64	160	.80	4	22	15	0	0	0	7	0	0	0	0	0	0	0	4.36	72
	Pershore (Institute of Horticulture)	9 9 9	130	69.5	56.0	62.7	-	82	6	49	11, 17	-	-	5.10	-	1.07	20	18	15	0	0	0	5	0	0	0	0	0	0	0	4.15	-
	Worcester (Redhill)	9 9 9	190	69.7	55.1	62.4	-	83	6	46	17	-	-	2.75	128	.42	20	18	14	0	0	0	1	0	0	0	0	0	0	0	3.76	-
Hereford	Lyonsall ..	9 9 9	510	68.4	53.4	60.9	-	82	6	40	11	-	-	3.52	-	.78	18	15	12	-	-	-	-	-	-	-	-	-	-	-	-	
	Preston Wynne ..	9 9 9	274	68.8	53.9	61.3	-	81	6	44	11	-	-	3.24	-	.59	4	18	15	0	0	0	3	0	0	0	0	0	0	0	4.56	-
	Ross-on-Wye ¶§	21-9 9	223	69.5	55.6	62.5	+0.8	84	6	47	11	63.9	60.3	2.26	100	.48	16	15	13	0	0	0	7	0	0	0	0	0	0	0	4.22	72
Gloucester	Bristol (Filton) ..	21-9 9	192	69.0	56.6	62.8	-	83	6	45	11	-	-	3.44	-	.75	11	19	14	0	0	0	3	0	0	0	0	0	0	0	5.30	-
	Cirencester ..	9 9 9	443	69.0	54.1	61.5	-	83	6	45	11	-	-	3.53	132	.74	11	18	14	0	0	0	4	0	0	0	0	0	0	0	4.30	-
	Little Rissington	21-9 9	740	67.0	54.5	60.7	-	81	6	49	11, 27	-	-	3.97	-	.58	11	20	17	0	0	0	5	2	0	0	0	0	0	0	4.29	-
	Ruscombe ..	9 9 9	620	68.1	54.0	61.1	-	81	6	46	11	-	-	3.17	-	.47	11	21	13	0	0	0	5	0	0	0	0	0	0	0	4.29	-
5 ENGLAND, S.E.																																
London	Bunhill Row ..	-	-																													
	Camden Square ..	9 9 9	110	73.9	58.2	66.1	+1.1	93	6	53	11, 21	63.3	57.7	3.32	139	.47	2	19	15	-	-	-	-	-	-	-	-	-	-	-	4.82	79
	Greenwich (Maritime Museum)	9 9 9	24	72.5	58.0	65.3	-	92	6	53	16	-	-	3.90	-	.82	10	19	18	-	0	-	-	-	-	-	-	-	-	-	5.38	-
	Hampstead ..	9 9 9	450	70.7	56.0	63.3	+1.2	87	6	50	21	-	-	3.85	151	.83	16	17	14	0	0	0	7	0	0	0	0	0	0	0	5.19	82
	Kensington ..	9 9 9	81	72.7	58.2	65.5	+1.0	90	6	53	11, 16, 21	64.2	59.9	3.37	143	.67	14	19	15	0	0	0	4	-	0	0	0	0	0	0	-	-
	Kingsway ..	-	-																													
	Regent's Park ..	9 9 9	129	72.6	57.8	65.2	-	90	6	52	11, 21	-	-	3.44	-	.63	14	16	14	0	0	0	5	0	0	0	0	0	0	0	4.91	-
	Westminster ..	9 9 9	27	72.4	58.5	65.5	+0.8	89	6	53	16	-	-	3.80	-	.80	14	-	-	0	0	6	-	-	-	-	-	-	-	5.01	81	
Middlesex	Hampton ..	9 9 9	39	72.0	57.8	64.9	-	88	3	52	11, 16	-	-	2.98	-	.57	2	20	16	0	0	2	8	0	0	0	0	0	0	0	5.99	-
	London Airport ..	21-9 9	82	72.5	57.0	64.7	-	90	6	50	11	-	-	3.43	-	.52	2	20	15	0	0	1	6	0	0	0	0	0	0	0	4.91	-
	Southgate ..	9 9 9	221	71.5	56.4	63.9	-	89	6	49	11	63.5	-	3.52	-	.47	12	17	15	0	0	0	5	0	0	0	0	0	0	0	4.09	- S
	Wealdstone ..	9 9 9	175	72.1	56.3	64.2	+0.9	90	6	48	11	65.8	56.7	3.32	154	.48	16	20	14	0	0	1	5	0	0	0	0	0	0	0	-	-
Surrey	Addington ..	9 9 9	474	70.4	55.9	63.1	+1.1	87	6	51	14, 16, 21	-	-	3.51	-	.65	14	18	17	-	-	-	-	-	-	-	-	-	-	-	-	
	Croydon ..	21-9 9	201	71.7	56.9	64.3	+1.3	89	6	51	11	-	-	3.05	130	.89	14	19	16	0	0	0	5	0	0	0	0	0	0	0	5.39	81
	Farnham ..	9 9 9	260	72.6	54.5	63.5	-	88	6	46	11	-	-	3.85	-	1.02	20	20	18	0	0	0	7	1	0	0	0	0	0	0	-	-
	Kew Observatory ¶§	21-9 9	18	71.5	58.3	64.9	+0.4	88	6	52	11	65.0	60.2	3.26	150	.56	2	20	17	0	0	2	7	0	0	0	0	0	0	0	5.67	90
	Mickleham ..	9 9 9	179	72.0	54.4	63.2	-																									

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average							
			A	B		Maximum	Date	Minimum																	Date	in.	%	in.	in.	in.	in.
			Max.	Min.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean					
8a SOUTH WALES																															
Cardigan	Aberporth ..	21-9 9	376	63.6	55.2	59.4	-	81	6	50	2	-	-	4.85	196	.81	6	21	16	0	0	0	0	0	0	0	0	0	4.61	-	
	Aberystwyth ..	9 9 9	12	65.0	55.6	60.3	-	83	6	47	11	-	-	4.28	141	.72	25	23	16	0	0	0	0	0	0	0	0	0	3.97	77	
	" Llety-evan-hen ..	9 9 9	950	61.8	52.5	57.1	-	78	6	45	11	-	-	8.60	-	1.40	25	25	21	0	0	0	0	0	0	0	0	0	3.35	-	
	" P.B.S.* ..	9 9 9	452	-	-	-	-	81	6	6	-	-	-	4.42	-	.83	25	25	17	0	0	0	0	0	0	0	0	0	4.02	81	
	Gogerddan ..	9 9 9	103	65.8	55.3	60.5	-	84	6	43	11	-	-	4.72	-	.97	25	22	15	0	0	0	0	0	0	0	0	0	4.12	-	
	Swyddffynnon ..	9 9 9	588	64.7	52.7	58.7	-	79	6	39	2, 11	-	-	6.81	-	.80	25	24	22	0	0	0	0	0	0	0	0	0	-	-	
	Trawscoed ..	9 9 9	200	66.7	53.7	60.2	-	81	6	40	11	-	-	6.21	-	.84	11	22	20	0	0	0	0	0	0	0	0	0	3.92	-	
Pembroke	Dale Fort ..	9 9 9	109	65.6	56.0	60.8	-	78	3	51	2	-	-	3.11	-	.53	11	18	15	0	0	0	0	0	0	0	0	0	5.52	-	
	Haverfordwest ..	9 9 9	131	67.1	55.5	61.3	+1.9	79	3, 5, 6	46	2	-	-	5.89	184	.94	17	21	19	0	0	0	0	0	0	0	0	0	-	-	
	Milford Haven ..	9 9 9	179	66.7	55.1	60.9	-	81	5	47	2	-	-	3.94	-	.70	17	20	13	0	0	0	0	0	0	0	0	0	5.26	-	
	Pembroke Dock ..	21-9 9	34	67.2	56.6	61.9	-	84	5	47	2	-	-	4.32	151	.88	17	19	15	0	0	0	0	0	0	0	0	0	5.53	-	
	Tenby ..	9 9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Radnor	Llandrindod Wells ¶§	9 9 9	772	67.6	52.8	60.2	+1.3	84	5	39	11	-	-	4.81	172	1.58	18	18	13	0	0	0	0	0	0	0	0	0	3.90	758	
Broeknock	Llwynon ..	9 9 9	860	65.8	52.1	58.9	-	83	5	41	11	-	-	6.20	164	1.17	11	21	16	0	0	0	0	0	0	0	0	0	0	-	-
Glamorgan	Cardiff ¶§	9 9 9	202	69.4	56.2	62.8	+1.4	83	5, 6	48	2, 11	64.4	59.8	5.17	168	.98	20	15	14	0	0	0	0	0	0	0	0	0	5.73	92	
	Neath ..	9 9 9	153	68.4	56.9	62.7	-	81	3, 6	46	11	-	-	5.29	-	.98	11	22	17	0	0	0	0	0	0	0	0	0	-	-	
	Port Talbot ..	9 9 9	24	69.4	56.6	63.0	-	83	3	42	2	-	-	3.97	-	.94	17	16	14	0	0	0	0	0	0	0	0	0	4.75	-S	
	Rhosee ..	21-9 9	220	67.6	55.7	61.7	-	82	5	45	2	-	-	4.82	-	1.05	18	20	13	0	0	0	0	0	0	0	0	0	5.83	-	
	Swansea ..	9 9 9	27	68.3	57.0	62.7	+0.5	80	3, 6	52	2, 30	67.0	64.1	4.12	-	.93	11	14	13	0	0	0	0	0	0	0	0	0	5.76	99	
Monmouth	Newport ..	9 9 9	75	69.9	55.9	62.9	-	82	5, 6	46	11	-	-	4.86	-	1.01	11	16	14	0	0	0	0	0	0	0	0	0	5.66	-	
	Tredegar ..	9 9 9	1028	65.8	52.5	59.1	-	79	6	41	11	-	-	3.76	-	.62	11	17	15	0	0	0	0	0	0	0	0	0	4.24	-S	
	Usk ..	9 9 9	70	69.9	54.0	61.9	-	83	5	41	11	64.4	-	4.25	-	1.38	20	16	12	0	0	0	0	0	0	0	0	0	4.84	-	
8b ENGLAND, S.W.																															
Somerset	Bath ¶§	9 9 9	67	70.4	56.5	63.5	+0.7	84	6	45	11	65.4	61.1	3.27	131	.48	2	19	15	0	0	0	0	0	0	0	0	0	5.10	84	
	Bickenhall ..	9 9 9	231	69.3	54.9	62.1	-	80	3, 5, 6	45	11	-	-	2.80	-	.57	20	19	12	0	0	0	0	0	0	0	0	0	6.04	-	
	Cannington ..	9 9 9	95	69.8	56.5	63.1	-	85	2	47	11	-	-	2.32	-	.60	20	17	12	0	0	0	0	0	0	0	0	0	5.75	-	
	Long Ashton ..	9 9 9	162	69.0	55.6	62.3	+0.6	82	5	45	11	64.3	-	4.47	158	.85	12	19	16	0	0	0	0	0	0	0	0	0	4.80	77	
	Weston-s.-Mare ..	9 9 9	28	-	57.0	-	-	-	-	48	11	-	-	3.84	165	.84	11	16	14	0	0	0	0	0	0	0	0	0	5.37	87	
	Wootton Courtenay ..	9 9 9	486	67.8	53.2	60.5	-	80	6	45	2, 11, 12	-	-	3.69	-	.68	11	22	16	0	0	0	0	0	0	0	0	0	5.60	-	
Dorset	Poole ..	9 9 9	18	71.6	54.3	62.9	-	81	4	45	11	-	-	2.42	-	.69	11	20	12	0	0	0	0	0	0	0	0	0	6.98	-	
	Portland Bill ..	21-9 9	35	65.2	58.2	61.7	+1.6	72	5	54	11, 31	-	-	3.44	207	.92	2	18	11	0	0	0	0	0	0	0	0	0	-	-	
	Shaftesbury ..	9 9 9	680	67.1	54.2	60.7	+0.4	79	4	45	11	-	-	5.45	-	.56	19	17	15	0	0	0	0	0	0	0	0	0	-	-	
	Swanage ..	9 9 9	34	68.4	56.5	62.5	-	78	4	49	11, 17	-	-	60.1	-	-	-	-	-	-	-	-	-	-	-	-	-	6.56	-		
	Weymouth ..	9 9 9	16	69.7	57.3	63.5	+1.3	76	2, 4, 31	51	11, 17	-	-	4.71	262	1.98	2	16	15	0	0	0	0	0	0	0	0	0	6.90	100	
Devon	Chivenor ..	21-9 9	20	68.3	56.9	62.6	-	83	5, 6	47	2	-	-	3.12	-	.59	18	18	13	0	0	0	0	0	0	0	0	0	5.63	-	
	**East Budleigh ..	9 9 9	64	69.3	55.2	62.3	-	80	5	48	2	-	-	2.94	-	.64	2	19	10	0	0	0	0	0	0	0	0	0	-	-	
	Exeter ..	21-9 9	106	69.5	55.9	62.7	-	81	4	48	2	-	-	2.03	-	.32	20	14	9	0	0	0	0	0	0	0	0	0	5.75	-	
	Exmouth ..	9 9 9	195	67.7	56.1	61.9	+0.9	78	5	50	2	-	-	1.53	-	.65	2	15	11	0	0	0	0	0	0	0	0	0	6.18	97	
	Hartland Pt. ..	21-9 9	298	63.4	56.6	60.0	-	78	3	52	18	-	-	2.89	-	.70	11	21	13	0	0	0	0	0	0	0	0	0	5.00	-	
	Ilfracombe ..	9 9 9	25	66.0	58.0	62.0	+0.8	83	6	53	2	65.5	62.3	3.78	149	.83	17	19	11	0	0	0	0	0	0	0	0	0	5.45	87	
	†Newton Abbot ..	9 9 9	272	69.5	55.7	62.6	+1.3	80	5	50	2, 13	-	-	2.45	107	.56	11	16	13	0	0	0	0	0	0	0	0	0	5.91	988	
	Paignton ..	9 9 9	8	69.4	57.2	63.3	-	78	4	50	17	-	-	3.54	-	1.11	2	19	16	0	0	0	0	0	0	0	0	0	5.38	81	
	Plymouth (Mount Batten)	21-9 9	87	67.5	56.9	62.2	+1.4	81	5	50	2	-	-	5.66	199	2.66	2	14	13	0	0	0	0	0	0	0	0	0	5.95	94	
	Plymouth (The Hoe)	9 9 9	119	68.2	57.3	62.7	+1.2	82	5	52	2	63.4	60.7	4.06	147	.92	2	15	12	0	0	0	0	0	0	0	0	0	6.23	97	
	Princetown ..	9 9 9	1359	62.7	52.6	57.7	-	77	5	49	2, 13, 17	-	-	8.08	150	1.40	17	21	21	0	0	0	0	0	0	0	0	0	-	-	
	Sidmouth ..	9 9 9	25	68.5	56.7	62.6	+1.5	78	4, 5	51	11, 22, 31	-	-	3.28	-	.85	2	16	13	0	0	0	0	0	0	0	0	0	6.19	-	
	Starcross ..	9 9 9	29	69.1	56.0	62.5	-	77	5	49	2	-	-	2.64	-	.49	2	20	10	0</											

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY, 1957

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; Wind, Number of Observations. Includes sub-sections for Scotland (North, East, West) and Isle of Man.

† Mean pressure at Station Level is 969.4 mb.

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 8

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6371 8

August 1957—*Warm at first, then rather cool and wet*

Throughout the greater part of the month an upper trough existed in the vicinity of the British Isles. Surface pressure was fairly uniform over the country during the first week, but during the second there was considerable cyclonic activity. Depressions passed well to the north of the British Isles the following week, and weather during the fourth week was dominated by a depression which became exceptionally deep off Scotland. The month ended with two or three days of fine anticyclonic weather.

At the beginning of the month a warm upper ridge extended northward over the British Isles from the Iberian peninsula in association with an anticyclone which spread over the country on the 2nd. The first few days were sunny and warm with sunshine exceeding 13 hr. in many places and temperatures reaching 80°F. locally. On the 4th, a shallow trough of low pressure approached from the south-west accompanied by outbreaks of rain, and as upper troughs developed in the eastern Atlantic and moved eastward over the country during the next two days, thunderstorms became widespread. Many of the storms were severe, with rain in some places of very rare intensity. On Bank Holiday, 5th, nearly 6 in. of rain fell in 24 hr. at Rodsley, Derbyshire, while at Clifford, Herefordshire, 4.11 in. fell in 90 min., the second heaviest fall for that period in the United Kingdom.

The 8th to 12th was a period of increasing and intense cyclonic activity. Although a predominantly zonal flow existed in the upper air on the 9th and 10th, an upper trough became established over the country on the 11th and persisted for several days. Thundery rain was widespread, and thunderstorms were frequent and often heavy; rainfall of 2 in. or more in 24 hr. occurred on most days somewhere in England and Wales. Noteworthy falls occurred in and around London on the 12th and 13th, especially in the Kingston-Teddington area where there was considerable flooding. The 12th was the wettest August day at Kew since records began in 1871. In the north of the country rainfall was mostly slight, until the 14th when a depression moved east across southern Scotland, bringing outbreaks of rain, locally heavy, to all districts of the British Isles, and gales to exposed northern coasts.

During the next few days an upper zonal flow extended from the Rockies to the Urals and depressions from the Atlantic passed well to the north of the British Isles. Weak fronts associated with these depressions crossed the country and although there was some rain or drizzle at times, it was mostly slight, except in the north. On the 21st, an anticyclone moving in from the Atlantic gave the sunniest day in the British Isles for nearly three weeks.

A depression, which developed off the west coast of Ireland on the 22nd, gave widespread and locally heavy rain with strong winds and gales in exposed places, as it moved towards north-west Scotland. This depression was noteworthy for its unusual depth for the time of year; at 2300 h. on 23rd pressure at Cape Wrath, Sutherland, fell to 967.0 mb., the lowest pressure ever recorded in the British Isles during August, and the central height of the 500 mb. low associated with it was the lowest value over the northern hemisphere at that time.

The depression, with its accompanying upper low, moved slowly towards Scandinavia, and by the 26th the gales had moderated, and the days became fair and rather cool with fairly frequent showers. The month ended with fine quiet weather with the re-establishment of anticyclonic conditions.

Pressure and Wind. Pressure was everywhere below the average, the deficit ranging from 0.2 mb. at Stornoway to 2.1 mb. at Cranwell. The

next nearest approach to the abnormally low August pressure recorded at Cape Wrath on the 23rd was 968.3 mb. which occurred at Southport in 1917. During the first eight days of the month winds were light and variable or south-easterly, becoming mainly south-westerly until the 14th, when west to north-westerly winds predominated until the 28th. During the last three days of the month winds again became light and variable. Gales occurred on 8 days in Scotland and 12 in England and Wales; they were widespread on the 24th and 25th. Wind reached 65 kt. at Tiree and Stornoway on the 14th and 24th respectively and 67 kt. at Bidston Observatory on the 25th.

Temperature. Mean temperature differed from the 1921-50 average by -0.7°F. in England and Wales, -0.3°F. in Scotland and 0.0°F. in Northern Ireland. The deficit was mainly owing to low maximum temperatures as minimum temperatures were somewhat above the average. The coldest night was on the 29th when there was slight air frost at some places in Scotland and temperature fell to 23°F. on the ground at Cannich.

Extreme temperatures for the month included:—(England and Wales) 84°F. at Mickleham on 5th, 34°F. at Kielder Castle on the 29th; (Scotland) 80°F. at Ruthwell on the 3rd, 30°F. at Glenshee Lodge and Peebles on the 29th; (Northern Ireland) 75°F. at Ballykelly on the 3rd, 36°F. at Ballykelly on the 29th.

Precipitation. The general precipitation expressed as a percentage of the 1881-1915 average was 121 for England and Wales, 128 for Scotland and 113 for Northern Ireland. Rainfall was more than twice the average locally in Anglesey, Herefordshire, Shropshire, Derbyshire, Yorkshire, Northumberland and West London, but less than the average over most of East Anglia, the east-Midland counties, a large area south of the Bristol Channel, on much of the coast of the north Wirral peninsula and the Solway Firth, locally on the west coast of Scotland and in the northern counties of Ireland.

The month was notable for a number of falls of very rare intensity which included:—

5th 3.43 in. at Bwlchyllan, Cardiganshire in 2 hr.

10th 5.38 in. at Llansadwrn, Anglesey in 2 hr. 20 min.

Among the heaviest falls in 24 hr. were:—

5th 5.97 in. at Rodsley Pumping Station, Derbyshire, 4.11 in. at Clifford School, Herefordshire.

12th 3.88 in. at Hampton (R.D.W.), Middlesex.

Thunder was rather more frequent than is usual during August. It was heard on 11 days in Scotland and on 17 days in England and Wales—on 5th to 17th, 23rd to 25th and 27th. At a number of places it was recorded on six days during the month.

Sunshine. The general sunshine expressed as a percentage of the 1921-50 average was 85 for England and Wales, 87 for Scotland and 88 for Northern Ireland. The sunniest part of the month was during the first three days and the third week. Sunshine was above the average in southern England during the latter part of the month, but in northern England during the week commencing 11th it was only 20 per cent of average.

Fog. Fog occurred on 19 days; it was fairly widespread on the 10th in Scotland and on the 6th and 7th in the Midlands and north-west England.

Miscellaneous Phenomena. The aurora was observed in Scotland on 15 nights.

TABLE I—DISTRICT VALUES—AUGUST, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	79	33	-0.8	-0.3	-0.5	—	—	130	-2	88
Eastern										
1 SCOTLAND, E.	78	30	-1.7	+0.4	-0.6	—	—	139	0	81
2 ENGLAND, N.E.	77	34	-2.5	+0.4	-1.0	+1.3	+0.9	122	+4	79
3 ENGLAND, E.	81	36	-2.1	-0.2	-1.1	-0.2	+0.1	108	+3	88
4 MIDLAND COUNTIES	80	36	-1.9	+0.2	-0.9	+0.2	+1.3	140	+1	78

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	84	39	-1.4	+0.7	-0.4	+0.6	+0.7	126	0	91
Western										
6 SCOTLAND, W.	80	31	-0.3	+0.9	+0.3	+0.3	0.0	101	+2	92
7 ENGLAND, N.W. (and N. Wales)	80	37	-1.1	+0.1	-0.5	+0.3	+0.6	138	+2	77
8 ENGLAND, S.W. (and S. Wales)	81	37	-0.8	+0.5	-0.2	+1.2	+1.7	112	+1	95
NORTHERN IRELAND	75	36	-1.0	+0.9	0.0	—	—	—	+1	88

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—AUGUST, 1957

[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Mean Wind Speed	Highest Velocities			
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	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	Day and Time	
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots		day hr.	knots	day h.m.	
SCOTLAND																		
0 Shetland Lerwick	310	53	37	24	1	10	86	341	250	66	0	12.6	230	34	24 16	50	24 1545	
Orkney Grimsetter	134	50	33	20,24	5	8	73	402	245	19	0	13.4	240	41	24 13	63	24 1240	
Calthness Halkirk																		
Ross & Cromarty																		
Stornoway (Coastguard)	120	40	36	23,24	20	13	109	358	188	69	0	13.4	270	45	24 07	65	24 0720	
Inverness Benbecula	69	51	35	23-25	20	14	85	342	239	58	0	13.5	270	45	24 03	64	24 0305	
1 Aberdeen Dyce	225	40	40	-	0	2	3	128	312	301	0	5.9	350	24	15 15	40	15 1425	
Angus Bell Rock Lighthouse	128	131	124	//														
Pife Leuchars	79	41	41	-	0	4	23	190	394	137	0	8.6	240	30	24 14	49	24 0710	
Midlothian Edinburgh	485	39	23	-	0	1	7	167	323	247	0	6.9	220	25	24 18	45	24 1720	
6a Argyll Tiree	89	60	47	14,15,23-25	31	13	100	340	150	123	0	13.8	360	48	14 17	65	14 1625	
Bute Millport	50	34	34	-	0	6	71	300	219	136	18	11.1	190	32	9 08	51	24 1810	
Renfrew Paisley	188	81	31	-	0	1	1	107	370	266	0	5.8	300	22	25 16	43	25 1530	
Renfrew	71	41	39	-	0	2	5	238	412	89	0	8.9	250	24	24 12	46	24 1200	
Ayr Prestwick	80	50	40	-	0	3	13	101	394	236	0	6.5	270	26	24 05	46	24 0445	
Dumfries Eskdalemuir	825	50	35	-	0	3	11	145	377	211	0	6.9	210	25	24 17	48	15 1410	
ENGLAND AND WALES																		
6b Isle of Man Point of Ayre ..	70	40	35	25	4	8	91	290	295	64	0	12.1	300	38	25 16	58	25 1525	
2 Durham Durham	389	53	33	-	0	1	12	171	327	234	0	6.9	250	24	24 10	54	24 1625	
South Shields	73	57	44	-	0	4	20	314	297	113	0	9.5	330	28	15 13	43	24 0751	
Yorks., N.R. Linton-on-Ouse ..	73	27	33	-														
Yorks., E.R. Spurn Head	64	44	34	-														
Lincoln Cranwell	288	47	47	-	0	1	3	126	304	311	0	5.6	250	23	25 16	45	25 1540	
3 Norfolk Gorleston	52	42	34	-	0	4	17	182	433	112	0	8.4	170	29	9 15	45	9 1405	
Suffolk Felixstowe	85	75	65	-	0	5	44	295	263	142	0	10.3	200	30	11 04	52	25 0225	
Mildenhall	98	83	60	-	0	2	13	122	369	240	0	6.5	270	25	25 10	44	23 1415	
Bedford Cardington	285	150	135	-	0	5	37	221	330	156	0	9.3	230	31	24 24	56	25 0025	
Dunstable	567	55	33	-	0	2	4	251	432	57	0	8.9	260	23	25 11	41	25 1105	
Herts. Stevenage	564	111	65	-	0	2	20	263	379	82	0	9.6	250	28	25 11	46	25 0840	
Essex Shoeburyness	115	104	89	11	1	8	99	349	291	4	0	13.4	190	35	11 03	51	25 1150	
4 Warwick Birmingham	643	118	73	-	0	3	7	201	481	55	0	8.4	270	25	25 18	52	25 1145	
Stafford Keele	706	50	40	-	0	0	0	112	395	237	0	6.2	260	21	24 22	51	25 1615	
Gloucester Avonmouth	92	61	33	24,25	2	10	76	260	306	100	0	11.5	270	36	25 12	54	24 2315	
5 London Kingsway	231	160	40	-	0	1	1	132	445	166	0	6.8	280	22	25 12	39	25 1105	
Middlesex Hampton	139	101	100	-	0	1	10	167	403	164	0	7.6	260	27	25 11	48	25 1025	
Surrey Croydon	313	105	70	-	0	2	15	172	293	264	0	6.7	210	28	25 12	49	25 0210	
Kew Observatory	92	75	50	-	0	1	1	213	408	122	0	8.1	230	22	25 11	51	25 1040	
Kent Dover	66	36	60	-	0	5	37	272	295	140	0	9.8	210	30	11 04	57	11 0310	
Dungness	70	50	33	11, 24, 25	17	11	106	403	202	16	0	15.4	240	39	25 03	51	11 0310	
Isle of Grain	48	40	33	-	0	3	15	289	358	63	19	10.2	250	28	25 15	48	25 1040	
Sussex Thorney Island	75	65	42	-	0	3	6	200	374	164	0	8.1	230	25	11 01	44	11 0110	
Hants. S. Farnborough	318	69	35	-	0	1	12	75	301	356	0	5.1	260	26	25 13	47	25 1205	
Berks. Abingdon	250	40	40	-	0	3	22	226	329	167	0	8.5	260	28	25 09	48	25 1400	
Wiltshire Larkhill	491	51	36	-	0	3	16	270	348	95	15	9.6	260	29	25 11	51	25 1035	
Porton	406	44	44	-	0	5	22	258	336	128	0	9.1	200	29	10 24	49	25 1459	
7a Cumberland Sellafield	83	39	35	//														
Westmorland Moor House	1960	50	45	*														
Lancashire Fleetwood	112	50	31	25	10	10	95	360	225	54	0	13.9	310	49	25 17	66	25 1545	
Southport	63	45	36	25	17	9	80	278	258	106	5	12.1	240	41	25 09	57	25 1720	
Speke	180	100	65	24,25	7	7	76	354	275	32	0	12.9	250	41	24 19	60	25 1430	
Cheshire Bidston Observatory	262	64	39	25	12	6	70	338	266	58	0	-	300	43	25 17	67	25 1555	
Manchester Airport	318	70	30	-	0	6	34	270	372	68	0	10.1	270	31	25 17	50	25 1515	
7b Anglesey Holyhead (Valley) ..	76	50	40	15, 24, 25	10	6	79	189	274	192	0	10.1	270	39	24 24	58	24 2255	
8a Cardigan Aberporth	483	41	41	15,24,25	15	7	72	269	257	131	0	11.4	340	37	15 09	55	24 2105	
Pembrokete Kete	249	49	37	-														
Milford Haven	246	50	35	-	0	4	34	274	290	133	13	9.6	260	31	24 20	50	25 1005	
Glamorgan Port Talbot	91	40	35	25	6	7	64	376	191	107	0	12.4	300	38	25 13	55	25 1251	
8b Devon Plymouth	191	88	65	-	0	9	34	254	359	97	0	10.2	-	32	10 20	43	10 1935	
Cornwall The Lizard	315	75	60	10	4	10	57	286	297	100	0	11.0	250	35	10 19	51	10 1830	
NORTHERN IRELAND																		
Antrim Aldergrove	281	65	65	25	2	5	58	231	337	116	0	9.9	300	34	25 14	56	25 1555	
Londonderry Eglinton	79	61	51	//														
SCILLY ISLES																		
St. Mary's	230	65	57	10	3	9	70	336	256	79	0	12.0	240	41	10 18	61	10 1730	

// Under repair.

* Defective Record.

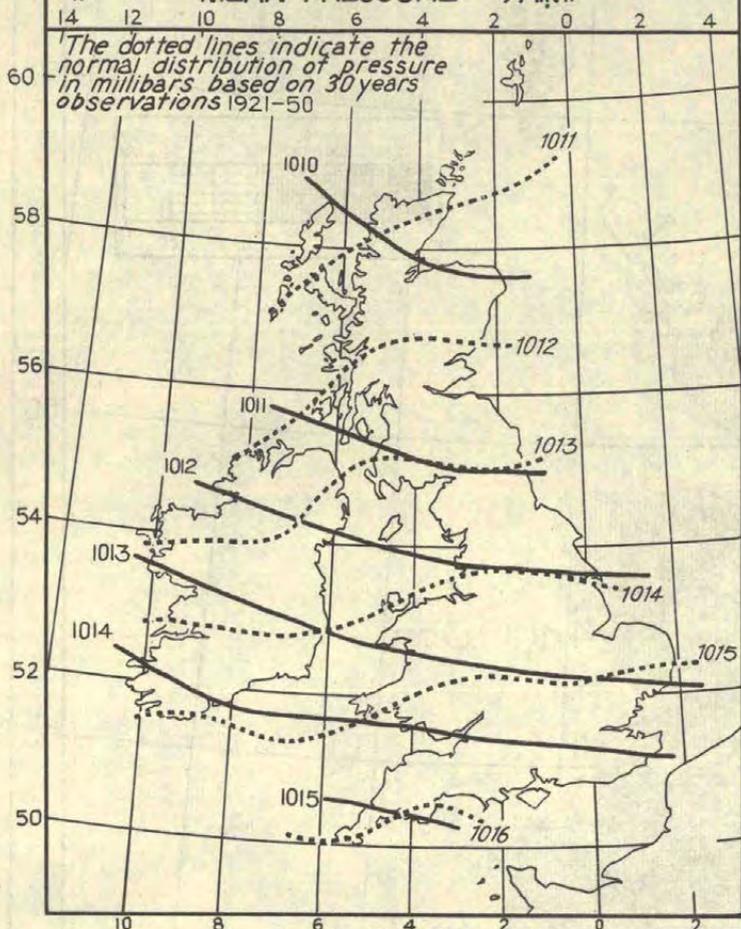
// Record ceased.

// Record ceased temporarily

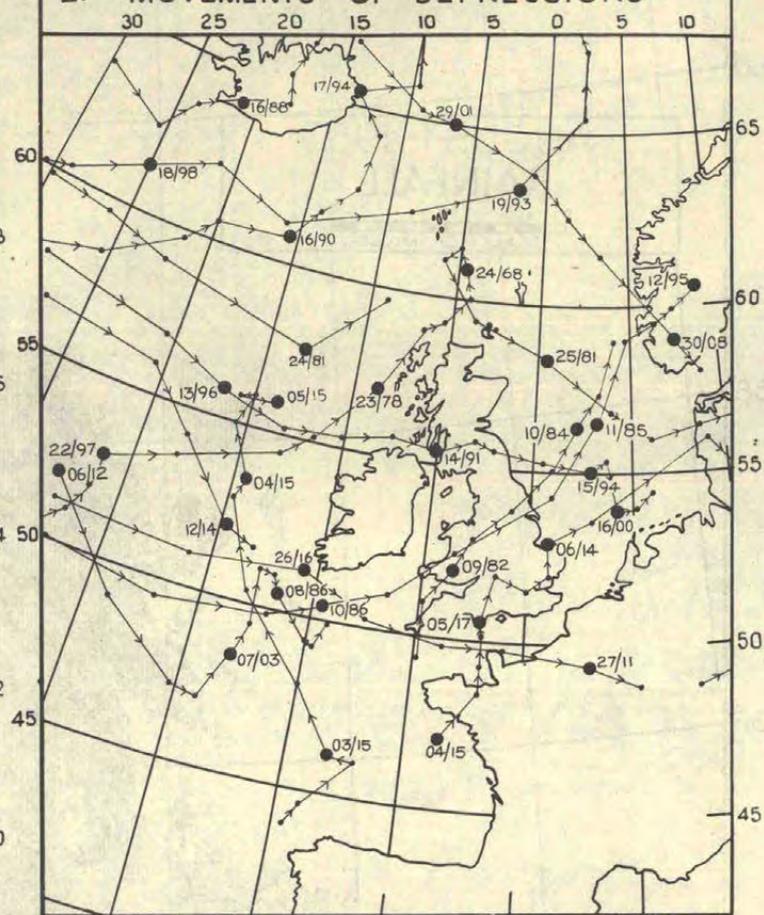
MONTHLY WEATHER CHARTS

AUGUST 1957

1. MEAN PRESSURE 9 A.M.

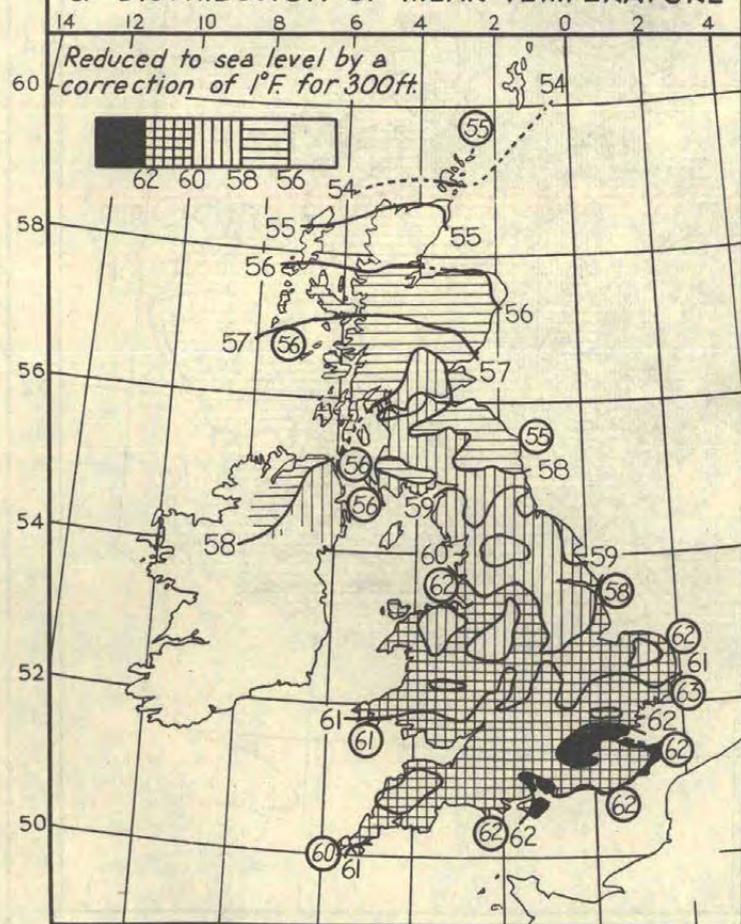


2. MOVEMENTS OF DEPRESSIONS



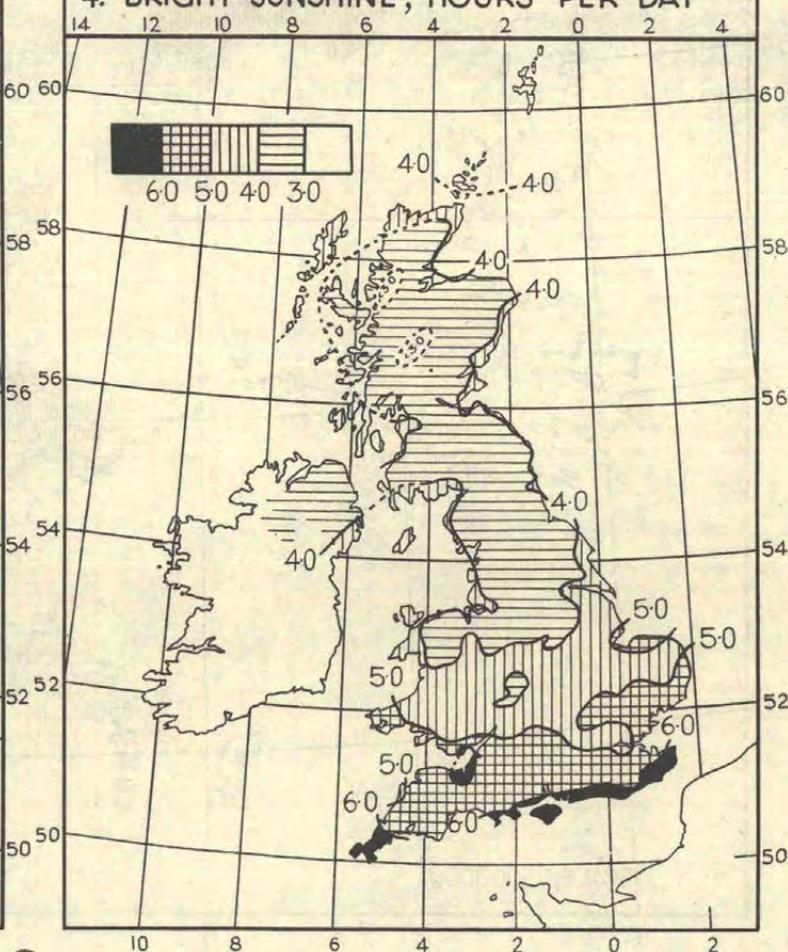
Positions of centres shown thus: ● at 12h.
First two figures show date, last two, central pressure (mb)

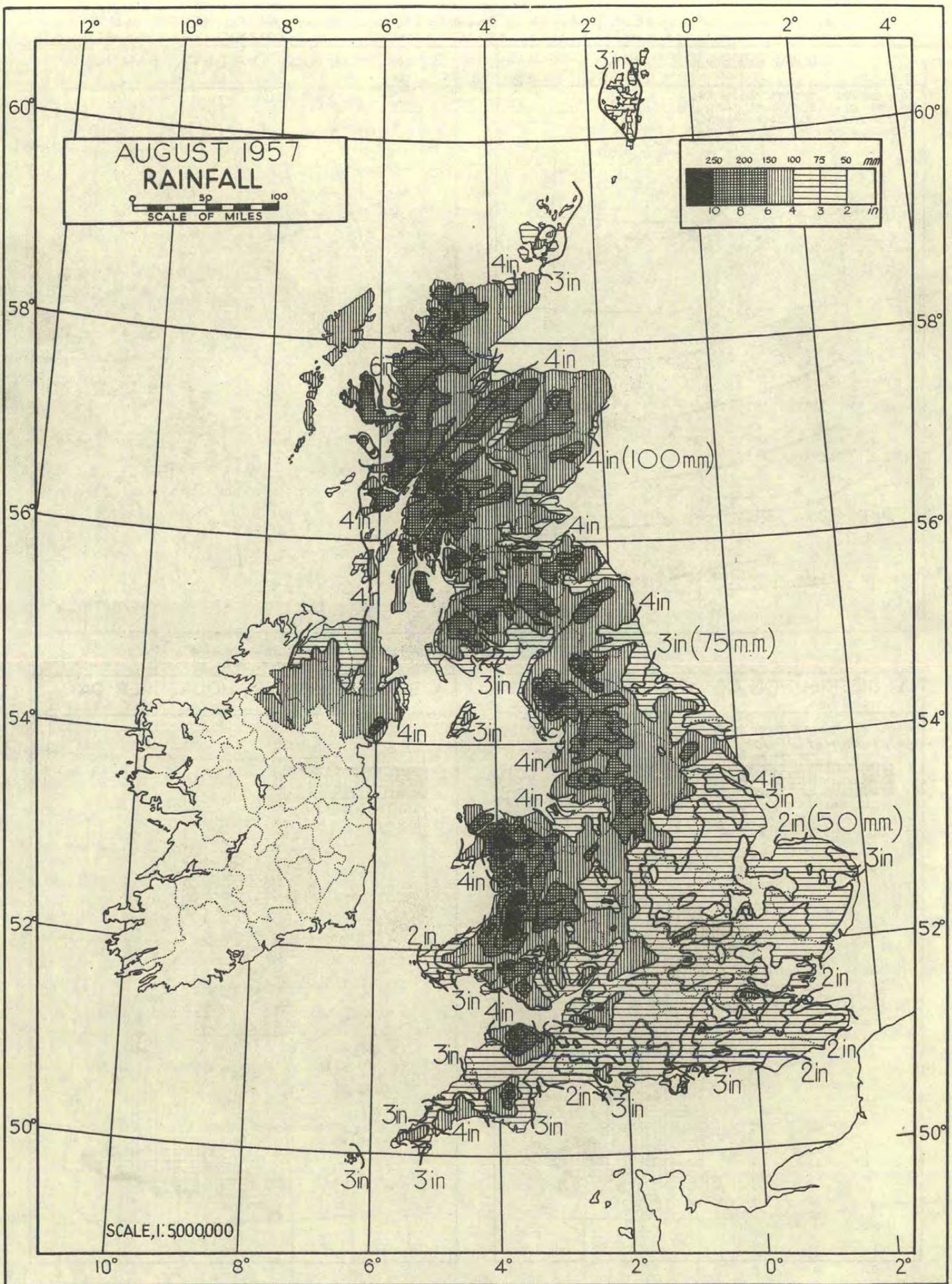
3. DISTRIBUTION OF MEAN TEMPERATURE



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=254mm

TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST, 1957

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	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precipitation	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. C.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average										
			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.	in.	%	in.	0.1 in. (2 mm.) or more	0.1 in. (2 mm.) or more	in. or more	in. or more	in. or more	in. or more	in. or more	in. or more	in. or more	in. or more	in. or more	in. or more	hr.	%						
0 SCOTLAND, N.																																			
Shetland	Baltasound ..	9 9 9	78	57.4	49.7	53.5	-	61	17, 18	42	31	52.8	-	2.27	-	.65	18	14	10	-	-	-	-	-	-	-	-	-	3.21	-					
	Lerwick Obs'y. ¶	21-9-9	269	55.4	49.1	52.3	-1.2	60	17	44	13	-	-	3.17	105	.65	29	16	11	0	0	0	0	0	0	0	0	0	0	1	3.07	79			
Orkney	Grimsetter ..	21-9-9	84	57.4	49.8	53.6	-	63	5, 6	43	13	-	-	4.64	-	1.28	14	15	12	0	0	0	0	0	0	0	0	0	2	3.56	-				
	Sule Skerry ..	9 9 9	43	56.6	50.7	53.7	-	62	5, 6	47	16, 31	-	-	3.13	-	.68	13	13	0	0	0	0	0	0	0	0	0	0	2	-	-				
Caithness	Halkirk (Olgrinbeg) ¶	9 9 9	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Wick .. ¶	21-9-9	119	58.4	49.6	54.0	-0.5	65	18	40	31	-	-	5.13	187	1.33	14	21	17	0	0	0	0	0	0	0	0	2	4.06	87					
Sutherland	Cape Wrath ..	21-9-9	367	56.6	50.7	53.7	-	69	4, 5	47	21, 24	-	-	5.56	-	1.00	14	18	15	0	0	0	0	0	0	0	3	0	1	-	-				
	Lairg (Achany) ..	9 9 9	240	62.0	47.7	54.9	-	73	6	42	4, 5, 18	57.4	54.1	4.33	-	1.00	23	15	13	0	0	0	0	0	0	0	1	0	1	0	-				
	Strathly ..	9 9 9	120	60.6	49.1	54.9	-	73	5	40	31	-	-	5.06	-	1.59	14	21	16	0	0	0	0	0	0	0	0	0	0	4	4.63	-			
Ross & Cromarty	Achnashellach ..	8 8 8	220	62.6	49.0	55.8	-0.3	77	4	40	2	-	-	7.80	124	2.11	23	21	17	0	0	0	0	0	0	0	0	0	0	-	-				
	Fortrose ..	9 9 9	69	60.3	52.6	56.5	-	68	2	49	13, 25, 28	-	-	4.05	-	1.03	14	16	12	0	0	0	0	0	0	0	0	0	2	3.41	76				
	Kinlochewe ..	9 9 9	76	63.7	50.0	56.9	-	77	4	39	16	-	-	8.45	-	3.77	23	17	16	0	0	0	0	0	0	0	0	0	0	0	2	2.19	- S		
Inverness	Stornoway ¶	21-9-9	11	60.0	50.1	55.1	-0.5	67	8	35	16	-	-	5.20	-	2.26	23	21	15	0	0	0	0	0	0	0	0	1	2	4.38	103				
	Tarbatness ..	21-9-9	60	59.6	51.6	55.6	-	66	18	45	25	-	-	3.27	-	.90	14	17	13	0	0	0	0	0	0	0	0	0	0	-	-				
	Benbecula ..	21-9-9	19	60.7	52.7	56.7	-	72	4	42	16	-	-	4.63	-	1.31	23	17	13	0	0	0	0	0	0	0	0	1	0	4	4.24	-			
Inverness	Cannich ..	9 9 9	350	63.6	46.7	55.1	-	75	5, 6	36	2, 29	-	-	5.17	-	1.21	23	21	15	0	0	0	0	0	0	0	0	0	0	0	-				
	Dalwhinnie ..	18-9-9	1176	60.4	46.1	53.3	-	73	3	34	2, 29	-	-	4.32	105	1.22	23	17	11	0	0	0	0	0	0	0	0	3	0	2	2.94	-			
	Duntulm ..	9 9 9	294	59.5	51.3	55.4	-	71	4	42	16	-	-	5.90	133	1.72	23	21	18	0	0	0	0	0	0	0	0	2	0	3	3.67	-			
	Ft. Augustus ..	8 8 8	70	62.6	51.1	56.9	-0.2	74	2	42	2, 13	-	-	4.72	136	1.20	23	16	15	0	0	0	0	0	0	0	0	1	0	0	3	3.37	-		
	Ft. William ¶	9 9 9	34	63.8	51.5	57.7	+0.3	79	3	43	2	58.8	56.2	6.09	98	1.50	23	20	15	0	0	0	0	0	0	0	0	0	0	3	3.00	828			
	Glenmore Lodge	9 9 9	1000	60.6	44.7	52.7	-	75	3, 4, 6	33	13	-	-	6.32	-	1.88	14	18	16	0	0	0	0	0	0	0	0	1	0	0	3	3.02	-		
	Inverness	9 9 9	242	62.6	-	-	-	71	2, 3, 5	-	-	-	-	3.71	145	.89	14	17	14	-	0	0	0	0	0	0	0	0	1	1	3.30	74			
	Kincraig ..	9 9 9	780	63.1	44.3	53.7	-	77	4	33	13	-	-	3.68	-	.84	14	20	14	-	0	0	0	0	0	0	0	4	-	-					
	Onich ..	9 9 9	48	62.3	51.6	56.9	-	76	4	42	2, 29	-	-	7.69	114	1.74	23	19	18	-	0	0	0	0	0	0	0	0	0	3	3.23	908			
	1 SCOTLAND E.																																		
Nairn	Nairn .. ¶	9 9 9	20	61.5	50.8	56.1	-0.8	68	2	45	27	-	-	4.24	185	.87	14	17	13	0	0	0	0	0	0	0	0	0	1	3.19	72				
	Moray	9 9 9	92	62.4	50.5	56.5	-	74	4, 5	45	8, 25	-	-	5.10	-	.97	14	19	15	-	0	0	0	0	0	0	0	0	0	0	4	4.13	-		
Moray	Findhorn ..	2121-9	20	61.7	51.3	56.5	-	70	5, 19	46	25	-	-	3.98	-	.80	13	18	14	0	0	0	0	0	0	0	0	0	1	-	-				
	Forres ..	9 9 9	155	62.0	49.8	55.9	-	72	5	43	27	59.0	56.7	3.97	-	.80	13	15	14	0	0	0	0	0	0	0	0	1	0	1	4.23	-			
	Gordon Castle ..	2121-9	104	62.7	49.7	56.2	-1.4	74	5	45	25, 27, 30	-	-	4.99	157	1.35	14	19	13	0	0	0	0	0	0	0	0	0	0	1	3.82	838			
	Kinloss ..	21-9-9	15	61.9	50.1	56.0	-	71	5	44	27	-	-	4.28	-	.79	13	17	14	0	0	0	0	0	0	0	0	1	0	2	3.84	-			
	Banff	9 9 9	130	60.4	51.4	55.9	-1.2	69	3, 4	45	31	-	-	4.62	159	1.41	14	19	14	0	0	0	0	0	0	0	0	2	0	2	3.59	76			
Aberdeen	Glenlivet ..	9 9 9	1085	60.1	44.6	52.3	-	73	3	35	2, 3	52.5	-	5.31	-	1.53	14	21	17	0	0	0	0	0	0	0	4	0	4	3.45	-				
	Aberdeen ..	9 9 9	170	61.3	50.4	55.9	-	72	19	42	25, 29	-	-	4.27	-	.81	14	18	15	0	0	0	0	0	0	0	0	0	0	0	3	3.99	-		
Aberdeen	Balmoral ..	9 9 9	927	61.1	46.0	53.5	-0.9	75	2	34	29	-	-	4.15	137	1.40	9	18	14	-	0	0	0	0	0	0	0	0	0	-	-				
	Braemar ..	2121-9	1113	61.1	46.4	53.7	-0.5	76	2	34	29	-	-	4.52	133	1.74	9	19	14	0	0	0	0	0	0	0	0	0	0	0	0	3	3.44	- S	
	Craigstone ¶	9 9 9	300	60.8	49.6	55.2	-0.8	70	19	43	25, 31	57.4	55.3	4.64	153	1.10	9	17	14	0	0	0	0	0	0	0	0	0	0	2	3.69	76			
	Dyce ..	21-9-9	185	61.7	49.8	55.7	-	72	19	41	29	-	-	4.36	145	1.01	9	17	13	0	0	0	0	0	0	0	0	1	2	1	0	0	3	3.97	-
	Huntly ..	9 9 9	405	62.4	48.3	55.3	-	72	2, 3	41	25	-	-	5.59	-	1.50	14	21	16	0	0	0	0	0	0	0	0	0	0	0	-	-			
	Logie Coldstone	9 9 9	608	62.0	46.8	54.4	-1.2	73	2	32	29	-	-	3.86	122	.91	9	21	15	0	0	0	0	0	0	0	0	0	0	0	-	-			
	Rattray Head ..	21-9-9	85	60.1	47.9	54.0	-	70	19	40	26	-	-	5.23	-	1.17	9	19	15	0	0	0	0	0	0	0	0	0	0	2	4.00	-			
	Udny ..	9 9 9	363	60.1	47.9	54.0	-	70	19	40	26	-	-	5.23	-	1.17	9	19	15	0	0	0	0	0	0	0	0	0	0	2	4.00	-			
	Kincardine	9 9 9	560	61.2	48.3	54.7	-	70	3	38	25	-	-	8.01	-	2.05	9	16	13	0	0	0	0	0	0	0	0	0	3	0	2	3.67	- S		
	Muchalls ..	9 9 9	210	61.0	50.0	55.5	-	69	19, 20	42	25	-	-	5.18	-	.80	13	17	13	0	0	0	0	0	0	0	0	0	0	0	-	-			
Stonehaven ..	9 9 9	12	61.8	49.5	55.7	-	71	19, 20	41	18, 29	-	-	5.29	-	1.10	9	18	15	-	0	0	0	0	0											

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n for more or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum	Date					Amount	Date															
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	°F.	°F.	0.1 in. (2.5 mm.) or more	0.1 in. (2.5 mm.) or more									hr.	%		
5 ENGLAND, S.E.—cont.																															
Sussex—cont.	Worthing	9 9 9	25	68.0	56.3	62.1	-0.5	74	2, 3, 4	48	30	63.5	61.8	1.97	87	.65	9	14	10	0	0	0	0	0	0	0	0	0	3	6.64	94
Berkshire	Abingdon	21-9 9	210	69.5	52.9	61.2	-	82	5	42	27	-	-	2.36	-	.92	12	14	9	0	0	0	0	0	0	0	0	0	0	5.41	-
	Finchampstead	9 9 9	212	69.2	51.8	60.5	-	81	5	40	30	-	-	2.69	-	.90	12	15	10	0	0	0	0	0	0	0	0	0	4.34	-	
	Hurley	9 9 9	140	68.5	52.7	60.6	-	80	5	42	27, 30	62.4	-	2.51	-	.91	12	12	10	0	0	0	0	0	0	0	0	1	4.73	-	
	Reading	9 9 9	148	69.3	53.5	61.4	-1.1	81	5	44	27, 30	64.3	62.9	2.08	-	.57	12	15	10	0	0	0	0	0	0	0	0	0	-	-	
	Shinfield	9 9 9	200	69.1	52.6	60.9	-0.9	81	5	42	27, 30	-	-	1.89	88	.53	8	15	9	0	0	0	0	0	0	0	3	5.32	-		
	Wokingham	9 9 9	200	69.2	52.3	60.7	-	81	5	41	27	63.0	60.6	2.08	-	.59	12	12	10	0	0	0	0	0	0	0	0	0	-	-	
	Woolhampton	9 9 9	370	68.1	52.0	60.1	-	80	5	43	22, 27, 30	63.4	-	2.62	-	.87	12	15	11	0	0	0	0	0	0	0	0	0	-	-	
Hampshire	Alice Holt Lodge	9 9 9	378	68.3	52.1	60.2	-	81	5	41	23	-	-	1.97	79	.53	7	14	10	0	0	0	0	0	0	0	0	0	5.92	-	
	Blackbushe	21-9 9	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Bournemouth	9 9 9	130	67.6	54.5	61.1	-1.3	75	1	45	30	62.4	61.5	2.33	92	.46	8	14	11	0	0	0	0	0	0	0	0	0	6.20	95	
	Everton	9 9 9	51	68.1	54.6	61.3	-	77	1	42	30	-	-	2.59	-	.43	27	13	11	0	0	0	0	0	0	0	0	2	6.33	-	
	Hayling Island	9 9 9	13	67.4	55.8	61.6	-	76	4	48	22, 28, 29	-	-	2.34	-	.97	8	14	11	0	0	0	0	0	0	0	0	2	6.21	-	
	Leckford	9 9 9	385	68.3	51.9	60.1	-	82	5	43	28	61.6	-	3.30	-	.90	8	12	10	0	0	0	0	0	0	0	0	0	5.56	-	
	Long Sutton	9 9 9	512	68.4	50.8	59.6	-1.7	81	5	43	22	63.7	-	2.30	-	.73	8	14	9	0	0	0	0	0	0	0	0	0	5.39	88	
	Portsmouth	9 9 9	7	68.0	57.4	62.7	-0.9	76	1	49	28	64.5	63.0	1.93	87	.52	8	14	9	0	0	0	0	0	0	0	0	0	6.32	93	
	Ringwood	9 9 9	250	68.9	53.2	61.1	-	81	1	44	28, 30	63.4	60.8	2.73	-	.55	8	13	12	0	0	0	0	0	0	0	0	0	-	-	
	Southampton	2121 9	65	70.4	54.9	62.7	0.0	83	1	46	30	-	-	3.49	133	1.46	8	14	11	0	0	0	0	0	0	0	0	0	5.66	89	
	S. Farnborough	21-9 9	226	69.3	53.2	61.3	-0.5	82	5	41	30	-	-	1.46	66	.41	8	15	9	0	0	0	0	0	0	0	0	0	5.22	84	
	Winchester	9 9 9	124	69.8	52.3	61.1	-	81	1	40	30	-	57.0	3.76	-	1.41	8	13	11	0	0	0	0	0	0	0	0	0	5.20	-	
L. of Wight	Newport	9 9 9	60	69.6	54.3	61.9	-0.3	81	1	43	30	-	-	1.58	-	.29	4	13	10	0	0	0	0	0	0	0	0	0	-	-	
	Ryde	9 9 9	15	68.6	56.9	62.7	-0.3	79	1	50	29	-	-	2.24	-	.55	8	15	11	0	0	0	0	0	0	0	0	1	5.89	83	
	Sandown	9 9 9	13	68.7	56.5	62.6	-0.2	73	1, 2	49	28, 30	-	-	2.92	-	.82	8	13	10	0	0	0	0	0	0	0	0	0	6.32	91	
	Shanklin	9 9 9	180	65.7	55.2	60.5	-	75	1	48	28	-	-	3.62	-	1.09	8	15	12	0	0	0	0	0	0	0	0	0	6.86	-	
	Ventnor Park	9 9 9	443	66.1	56.1	61.1	-	72	1, 8	51	27, 30	63.8	60.7	3.07	150	.89	8	14	12	0	0	0	0	0	0	0	0	0	6.07	-	
Wiltshire	Boscombe Down	21-9 9	414	68.1	52.8	60.5	-	79	1	43	28	-	-	2.82	128	.81	12	14	11	0	0	0	0	0	0	0	0	0	5.79	-	
	Lacock(Lackham)	9 9 9	160	-	-	-	-	-	-	-	-	-	-	3.08	-	1.37	11	8	7	0	0	0	0	0	0	0	0	1	-	-	
	Larkhill	9 9 9	431	68.1	52.2	60.1	-0.3	79	1, 5	43	22, 30	-	-	2.59	119	.67	12	14	10	0	0	0	0	0	0	0	0	0	-	-	
	Lynham	21-9 9	457	67.7	52.6	60.1	-	79	4	44	27, 28	-	-	3.12	-	.95	8	15	10	0	0	0	0	0	0	0	0	0	5.52	-	
	Porton	9 9 9	362	67.7	51.8	59.7	-0.6	78	1, 5	42	22, 30	62.0	-	3.54	153	1.06	12	14	10	0	0	0	0	0	0	0	0	0	5.72	93	
	Upavon	21-9 9	578	67.3	52.5	59.9	-	80	5	44	22, 28	-	-	2.33	-	.49	8	15	13	0	0	0	0	0	0	0	0	0	-	-	
	West Lavington	9 9 9	305	-	-	-	-	-	-	39	29	-	-	3.11	-	.62	12	16	12	0	0	0	0	0	0	0	0	0	-	-	
7a ENGLAND, N.W.																															
Cumberland	Alston	9 9 9	1070	60.5	49.4	54.9	-	73	2, 3	40	29	55.8	53.5	7.17	-	1.62	24	22	20	0	0	0	0	0	0	0	0	0	3.22	-	
	Keswick	9 9 9	254	64.7	52.7	58.7	-0.1	77	3	38	29	60.0	55.3	7.53	144	1.35	24	23	19	0	0	0	0	0	0	0	0	0	3.48	79	
	Newton Rigg	9 9 9	560	63.5	51.0	57.3	-0.1	76	3	40	29	-	-	4.60	129	.90	24	17	12	0	0	0	0	0	0	0	0	0	3.79	80	
	Sellafield	9 9 9	43	65.3	54.7	60.0	-	75	5	42	29	-	-	3.97	-	.63	10	20	17	0	0	0	0	0	0	0	0	0	4.40	-	
	Silloth	21-9 9	25	64.4	53.5	58.9	-	75	4	42	29	-	-	3.10	-	.64	8	22	17	0	0	0	0	0	0	0	0	0	4.24	-	
Westmorland	Ambleside	9 9 9	151	64.9	52.1	58.5	-	77	3	37	29	-	-	7.59	122	1.94	24	24	17	0	0	0	0	0	0	0	0	0	0	3.45	-
	Moor House	9 9 9	1840	57.5	46.0	51.7	-	69	2, 3	38	29	53.6	-	10.35	-	1.94	24	23	19	2	0	2	0	7	0	2	0	3.35	-		
Lancashire	Bolton	9 9 9	342	64.9	51.9	58.4	-1.2	76	2	43	29	59.7	57.1	6.73	147	1.12	19	19	17	0	0	0	0	0	0	0	0	0	3.78	83	
	Burnley	9 9 9	458	63.2	51.8	57.5	-1.1	76	2	39	29	59.5	57.5	5.55	-	1.06	24	18	18	0	0	0	0	0	0	0	0	0	-	-	
	Darwen	2121 9	724	63.5	50.9	57.2	-1.4	78	2	41	30	58.9	56.3	7.91	155	1.60	19	21	17	0	0	0	0	0	0	0	0	0	-	-	
	Helmshore	9 9 9	854	62.0	51.6	56.8	-	74	2	41	29	57.5	-	8.93	-	1.61	24	20	18	0	0	0	0	0	0	0	0	0	3.87	-	
	Kirkham	9 9 9	77	65.3	53.6	59.5	-	76	2, 4	43	29	-	-	4.46	114	.61	8	20	15	0	0	0	0	0	0	0	0	1	4.34	-	
	Manchester																														
	(Whitworth Pk.)	2121 9	125	-	-	-	-	78	2	45	28	60.3	58.2	3.99	116	.74	24	19	16	0	0	0	0	0	0	0	0	0	3.33	74	
	Morecambe	9 9 9																													

Rec 25/12/57

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 625

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 9

Published by HER MAJESTY'S STATIONERY OFFICE



September 1957—Cool, cloudy and rather wet

A succession of troughs and ridges moved across the British Isles during the first 10 days of the month, but from the 11th to 15th unstable north-westerly winds prevailed. Thereafter the country lay in a col for about another 10 days with mostly easterly winds over Scotland and south-westerlies in the south. The month ended with bright showery weather.

From 1st to 10th a mobile westerly regime at 500 mb. extended across much of the Atlantic and over the British Isles, and moderate amplitude troughs, alternating with ridges, moved eastward across the country. The associated surface troughs during the first few days were weak, and although there was some rain, most places had good sunny periods, especially in the north. On the night of the 5th/6th a depression deepened off the west of Scotland, pressure falling unusually low for the time of year. The following day was generally dull and wet, with gales over the north-western part of the country and heavy rain locally, especially in South Wales where falls of 3 in. and more were recorded in 24 hr. The 8th was sunny and dry but a slow moving frontal system, followed closely by a rapidly developing depression, reached western Ireland from the Atlantic late that night, and rain again became widespread and locally heavy over the British Isles during the next two days. On the 10th rainfall at many stations in the south-west exceeded 2 in.

The regime became less mobile on the 11th as a weak blocking pattern formed in the western Atlantic. Downstream a large amplitude upper trough developed, and in association with this trough an intense upper low and a deep surface depression became established over Scandinavia from 12th to 16th. In the circulation of this depression an unstable polar airstream covered the British Isles; from the 11th to 13th there were frequent showers and scattered thunderstorms with strong north-westerly winds, but on the 15th winds moderated generally and showers in the south largely died out.

Warm air, preceded by rain, spread from the south-west of the country on the 16th. Weather became generally dull and temperature remained somewhat below the average until the 18th when many places in southern England had more than 10 hr. of sunshine and afternoon temperatures rose generally to the upper sixties and reached 73°F. at Boxworth, Cambridgeshire. The 19th was another mainly fine day. Except over much of Scotland where winds remained easterly, the weather from the 20th to 25th was generally dull and wet with a broad frontal belt lying east-west across the country. A deep depression, which had originated as a tropical cyclone in the western Atlantic more than two weeks earlier, arrived off south-west Ireland on the 23rd. In its circulation a broad belt of rain, which was heavy at times with scattered thunderstorms, was carried northwards across England and Wales into Northern Ireland. The following day colder air, accompanied by outbreaks of rain and occasional thunder, spread southwards from Scotland as far as the Midlands and the London area. Afternoon temperatures rose only to 50°F. in North Wales, contrasting with a south coast maximum of 70°F. More than 2 in. of rain fell at many Welsh stations on both the 23rd and 24th. On the 25th the depression moved south-east into the English Channel and thence into northern France, filling rapidly.

An anticyclone to the west of the British Isles increased in intensity on the 26th and 27th and, except in Scotland, weather was generally sunny and dry, but on the following day cold air spread south-east over the whole country bringing mainly bright and showery weather for the remainder of the month.

Pressure and wind. Mean pressure was everywhere below the average, the deficit at 9h. ranging from 0.6 mb. at Newquay to 2.3 mb. at Lerwick. Winds varied mainly between west and south-west during the first ten days, were generally north-westerly from 11th to 15th and light but

predominantly north-westerly until the 19th. Thereafter winds were rather light and variable, but mainly easterly in the north and south-westerly in the south until the 25th afterwards becoming generally north-westerly until the end of the month. Wind reached gale force on 12 days in Scotland and on 14 days in England and Wales. Gales occurred in many northern and western districts on the 7th when gusts of 60 kt., 59 kt. and 56 kt. were recorded at Stornoway, Tiree and Moor House respectively.

Temperature. Mean temperature was everywhere below the 1921-50 average; the deficit was 1.8°F. in England and Wales, 2.0°F. in Scotland and 1.2°F. in Northern Ireland and was mainly due to low maximum temperatures. The warmest period of the month occurred during the first 10 days in Scotland when afternoon temperatures were generally between 60°F. and 65°F. and reached 69°F. locally, but in England and Wales the warmest weather occurred around the 22nd. In Scotland screen temperature on the 25th fell to 23°F. locally and to 12°F. on the ground at Dalwhinnie; in England and Wales slight air frost occurred on the 30th.

Extreme temperatures for the month included:—(England and Wales) 73°F. at Boxworth on the 22nd, 29°F. at several places on the 30th; (Scotland) 69°F. at Ruthwell on the 3rd, 23°F. at Glenlivet on the 25th and at Kincaig on the 25th and 26th; (Northern Ireland) 67°F. at Kilkeel on the 4th and Ballykelly on the 22nd, 31°F. at Aldergrove on the 26th.

Precipitation. The general precipitation expressed as a percentage of the 1881-1915 average was 196 in England and Wales, 98 in Scotland and 167 in Northern Ireland. It was the wettest September since 1950 over England and Wales and over Northern Ireland where rainfall nearly everywhere was above the average and twice the average was exceeded over most of Wales and over England north of the Thames and south of a line from St. Bees Head to Flamborough Head. Three times the average was exceeded locally in Nottinghamshire. In Scotland rainfall was mainly between 75 and 100 per cent. of the average, but the average was exceeded in parts of the north and south-west.

Among the heaviest falls in 24 hr. were:—
6th 3.15 in. at Rhondda Waterworks, Glamorgan. 2.93 in. at Swansea W.W. (Cray Reservoir), Brecknockshire.
10th 2.30 in. at Challacombe, Devonshire.
16th 2.37 in. at Bolton Waterworks, Lancashire.
23rd 2.14 in. at Goodwick (Trenewydd), Pembrokeshire.

Thunder was heard in Scotland during the first half of the month and occurred on 8 days; in England and Wales it was heard on 9 days especially on 11th-13th and 21st-22nd.

Snow and sleet showers occurred in several northern districts of Scotland mainly on the 28th-30th; they occurred locally in north-west England and North Wales on the 12th and in north-east England on the 30th.

Sunshine. The general sunshine expressed as a percentage of the 1921-50 average was 85 in England and Wales, 105 in Scotland and 90 in Northern Ireland. Sunshine was above the average in the south of Scotland and locally in northern England.

Fog. Early morning fog occurred on 9 days in Scotland and 14 days in England and Wales; it persisted locally during the afternoon in south-west England on the 4th and 24th and in the Midlands and north-east England on the 21st, 22nd and 25th.

Miscellaneous phenomena. The aurora was seen on 20 nights in Scotland and was seen from most parts of the British Isles on the 29th.

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TABLE I—DISTRICT VALUES—SEPTEMBER, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	67	23	-2.0	-1.5	-1.8	—	—	116	+2	99
Eastern										
1 SCOTLAND, E.	67	23	-2.9	-1.3	-2.1	—	—	80	+1	102
2 ENGLAND, N.E.	69	30	-3.3	-1.3	-2.3	+0.9	+0.1	184	+4	96
3 ENGLAND, E.	73	30	-3.3	-1.0	-2.2	-1.1	-0.6	185	+5	79
4 MIDLAND COUNTIES	70	29	-3.5	-0.8	-2.1	-0.2	+0.2	230	+5	82

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	72	29	-2.6	0.0	-1.3	-0.1	0.0	134	+6	79
Western										
6 SCOTLAND, W.	69	28	-2.8	-1.5	-2.1	-1.8	-1.0	105	+2	113
7 ENGLAND, N.W. (and N. Wales)	71	31	-3.1	-0.9	-1.9	-0.9	-0.1	220	+7	86
8 ENGLAND, S.W. (and S. Wales)	71	29	-2.3	0.0	-1.2	+0.8	+0.7	169	+5	85
NORTHERN IRELAND	67	31	-2.1	-0.2	-1.2	—	—	—	+5	90

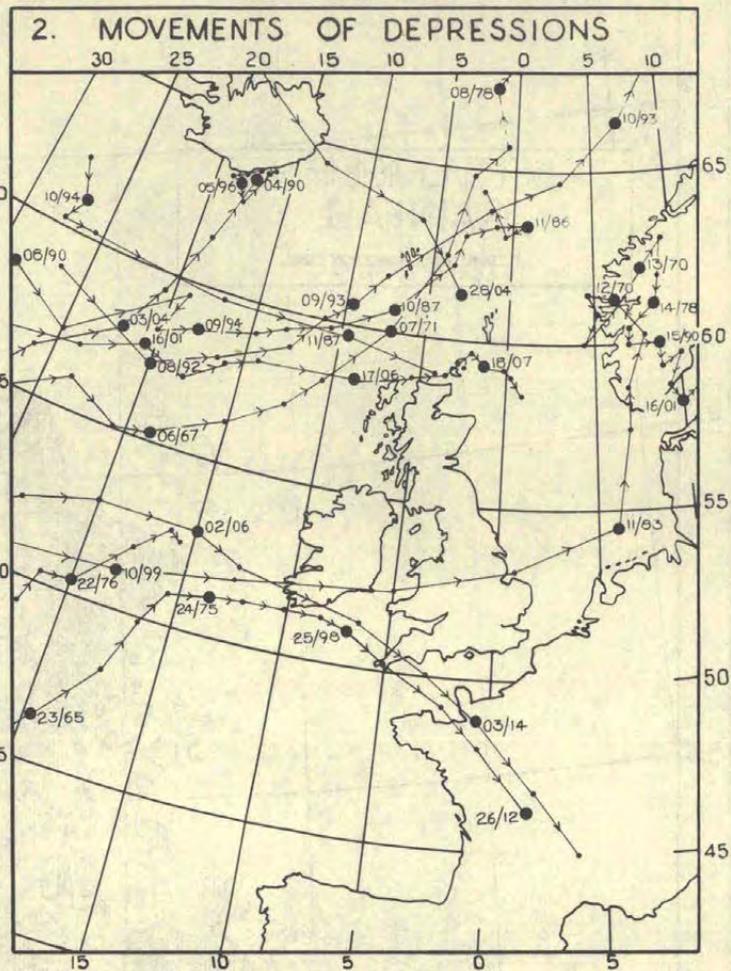
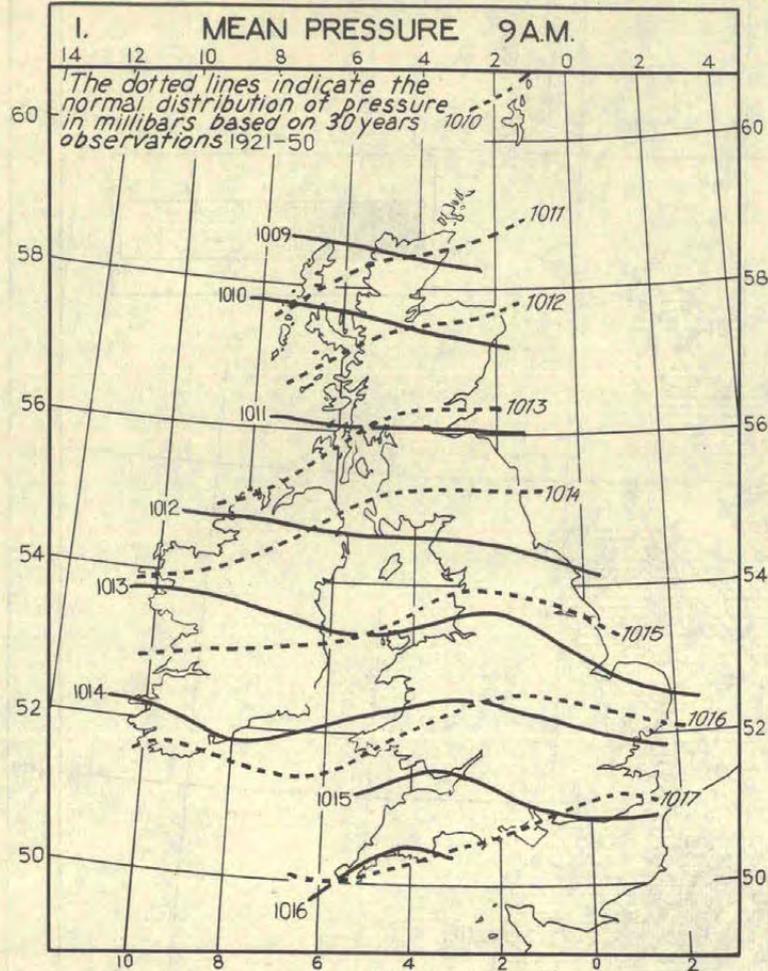
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—SEPTEMBER, 1957

[1914]

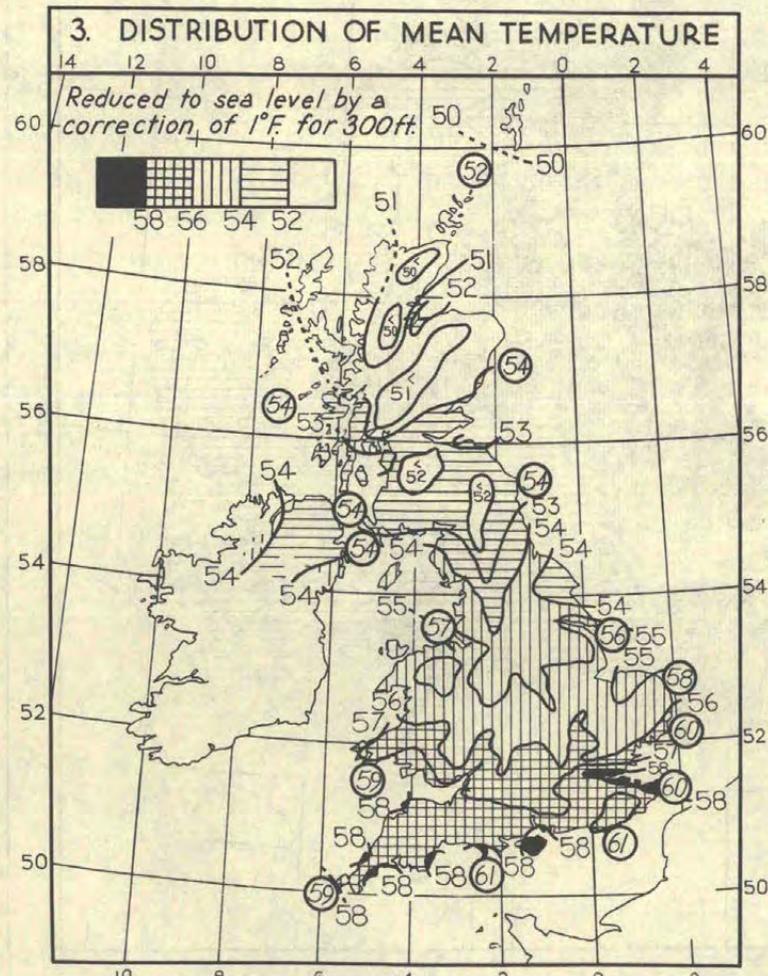
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind									Mean Wind Speed	Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	knots		Speed	Hour ended at	Speed	Day and Time		
																	hr.	hr.	hr.
SCOTLAND																			
0 Shetland Lerwick	310	53	37	14	2	13	146	293	215	64	0	14.2	340	34	14	03	51	14	0335
Orkney Grimssetter	134	50	33	14	1	13	137	339	227	16	0	14.7	310	35	14	05	54	14	0920
Caithness Halkirk																			
Ross & Cromarty																			
Stornoway (Coastguard)	120	40	36	6,7	12	18	187	351	141	29	0	16.7	190	41	7	10	60	7	0304
Inverness Benbecula	69	51	35	7	5	15	155	374	157	29	0	15.9	210	36	7	08	54	7	0025
1 Aberdeen Dyce	225	40	40	—	0	7	47	228	263	182	0	9.4	190	31	7	13	46	14	1150
Angus Bell Rock Lighthouse	128	131	124	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fife Leuchars	79	41	41	—	0	2	9	283	338	90	0	9.7	200	30	7	09	50	7	1310
Midlothian Edinburgh	485	39	23	—	0	3	15	217	363	125	0	8.7	200	27	7	13	48	7	0950
6a Argyll Tiree	89	60	47	6,7,13	14	14	144	399	121	42	0	16.2	180	39	7	01	59	7	0430
Bute Millport	50	34	34	7,23	5	10	107	271	225	112	0	12.4	070	35	23	10	49	23	0820
Renfrew Paisley	188	81	31	—	0	0	0	90	426	204	0	6.1	180	20	7	11	46	7	1745
Renfrew Renfrew	71	41	39	—	0	2	15	317	290	98	0	9.8	200	29	7	08	46	7	1050
Ayr Prestwick	80	50	40	—	0	3	6	268	308	138	0	9.0	070	23	25	12	45	8	1105
Dumfries Eskdalemuir	825	50	35	—	0	4	21	209	351	139	0	8.6	210	29	7	11	48	7	1120
ENGLAND and WALES																			
6b Isle of Man Point of Ayre	70	40	35	—	0	12	122	400	154	44	0	14.5	220	31	7	11	49	7	1000
2 Durham Durham	389	53	33	—	0	2	9	257	290	151	13	8.3	270	26	27	11	52	27	1035
South Shields	73	57	44	—	0	3	23	375	252	70	0	10.9	280	28	27	10	49	27	0950
Yorks.,N.R. Linton-on-Ouse	73	27	33	+x	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yorks.,E.R. Spurn Head	64	44	34	—	0	13	90	389	193	44	4	13.7	230	30	27	10	43	13	1515
Lincoln Cranwell	288	47	47	—	0	2	3	179	330	208	0	7.1	260	23	12	15	39	11	1815
3 Norfolk Gorleston	52	42	34	—	0	4	19	216	337	124	24	8.7	160	26	11	04	38	12	1705
Suffolk Felixstowe	85	75	65	—	0	5	19	345	231	125	0	10.3	250	27	12	02	44	12	0115
Mildenhall	98	83	60	—	0	0	0	158	387	175	0	7.2	300	20	12	11	42	11	2020
Bedford Cardington	285	150	135	*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dunstable	567	55	33	—	0	1	1	239	434	46	0	8.9	240	22	12	12	36	12	0955
Herts. Stevenage	564	111	65	—	0	2	13	378	271	58	0	10.8	270	25	12	08	43	12	0735
Essex Shoeburyness	115	104	89	—	0	11	69	424	216	11	0	13.5	250	29	11	21	50	11	2115
4 Warwick Birmingham	643	118	73	—	0	1	1	227	451	41	0	8.8	200	22	6	23	37	7	1425
Stafford Keele	706	50	40	—	0	1	2	185	332	201	0	7.3	070	23	25	17	45	7	1235
Gloucester Avonmouth	92	61	33	—	0	10	56	349	237	78	0	11.4	280	31	11	19	52	11	1750
5 London Kingsway	231	160	40	—	0	0	0	104	475	141	0	6.7	280	18	11	21	33	11	1950
Middlesex Hampton	139	101	100	—	0	0	0	157	409	154	0	7.2	250	19	11	20	46	11	1950
Surrey Croydon	313	105	70	—	0	0	0	166	325	229	0	6.6	270	21	12	09	42	11	2010
Kew Observatory	92	75	50	—	0	0	0	170	421	129	0	7.4	260	16	13	14	36	12	1505
Kent Dover	66	36	60	—	0	2	8	226	306	180	0	8.1	210	25	11	05	48	11	0305
Dungeness	70	50	33	11	3	12	91	374	231	21	0	13.9	250	35	11	22	48	11	2105
Isle of Grain	48	40	33	—	0	22	5	309	345	61	0	10.1	050	25	26	04	51	26	2035
Sussex Thorney Island	75	65	42	—	0	0	0	179	349	192	0	7.5	220	21	11	04	42	11	0350
Hants. S. Farnborough	318	69	35	—	0	0	0	61	298	361	0	4.5	250	20	11	20	39	11	1945
Berks. Abingdon	250	40	40	—	0	1	2	265	303	150	0	8.6	270	24	12	15	45	12	0955
Wiltshire Larkhill	491	51	36	—	0	2	15	235	391	79	0	9.3	020	27	26	03	55	11	1855
Porton	406	44	44	—	0	5	12	222	335	151	0	8.3	220	24	11	03	41	12	1620
7a Cumberland Sellafield	83	39	35	++	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Westmorland Moor House	1960	50	45	7	2	19	157	344	114	59	44	15.4	220	37	7	17	56	7	1555
Lancashire Fleetwood	112	50	31	11-13	7	11	127	374	177	35	0	14.9	280	35	12	02	48	11	2240
Southport	63	45	36	—	0	9	100	310	219	40	51	13.2	250	33	12	03	47	12	0315
Speke	180	100	65	7	6	13	106	389	202	17	0	14.6	240	41	7	16	53	11	2255
Cheshire Bidston Observatory	262	64	39	—	0	9	89	252	300	79	0	—	290	33	12	06	54	11	2255
Manchester Airport	318	70	30	—	0	3	18	336	312	54	0	11.0	220	28	7	13	45	7	1235
7b Anglesey Holyhead (Valley)	76	50	40	7	8	12	117	328	188	79	0	14.0	210	38	7	14	51	7	1305
8a Cardigan Aberporth	483	41	41	—	0	11	90	333	251	46	0	13.2	310	33	11	20	51	11	2005
Pembrokeshire Kete	249	49	37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Millford Haven	246	50	35	—	0	5	34	299	308	79	0	10.3	280	28	11	18	45	11	1635
Glamorgan Port Talbot	91	40	35	**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8b Devon Plymouth	191	88	65	—	0	6	34	247	314	125	0	9.3	—	28	9	17	40	11	0001
Cornwall The Lizard	315	75	60	11	2	10	102	274	216	126	0	11.8	300						

MONTHLY WEATHER CHARTS

SEPTEMBER 1957



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



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

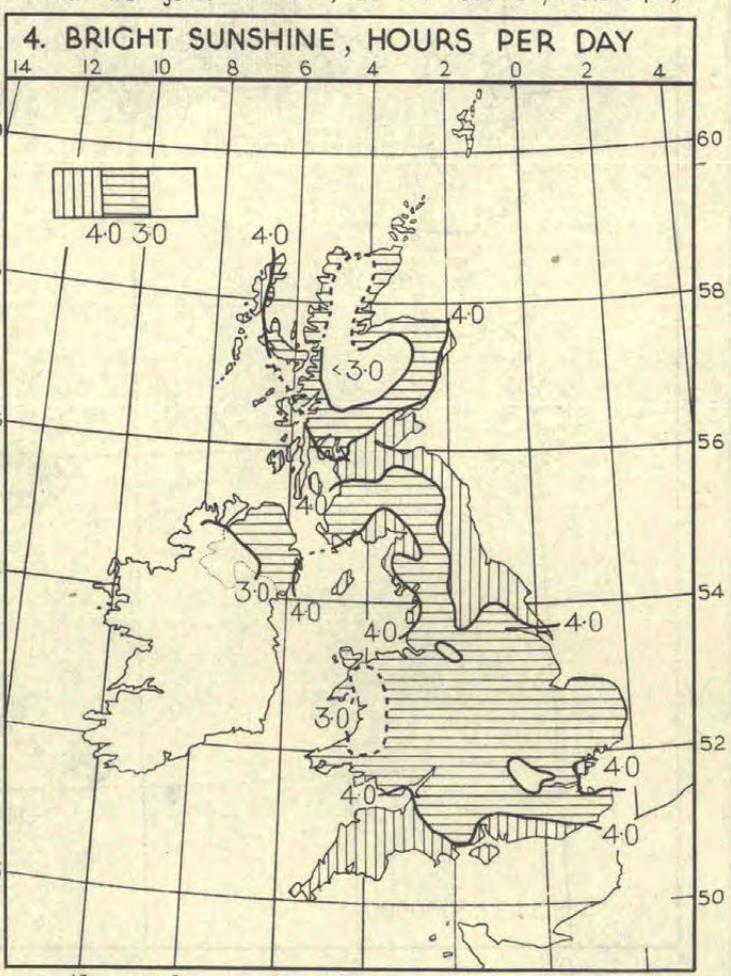


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1957

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					Highest Maximum and Lowest Minimum					1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n by more than 0.1 in. (2.5 mm.) or more	Snow or Sleet	Snow lying	Hall	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average			
			A Max.	B Min.	Mean Temperature of A and B	Difference from Average	Maximum	Date	Minimum	Date	Amount	Date																				
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	hr.	%
0 SCOTLAND, N.																																
Shetland	Baltasound	9 9 9	78	53.7	45.0	49.3	-	58	6, 7, 10	39	22, 29, 30	50.3	-	5.65	-	.83	26	21	17	3	0	1	0	0	0	0	0	0	0	6	2.82	-
	Lerwick Obs'y.	21-9 9	269	53.0	45.3	49.1	-1.5	58	1	37	29	-	-	4.19	139	.78	26	18	17	0	0	1	0	0	0	0	0	0	0	3	3.45	99
Orkney	Grimsetter	21-9 9	84	54.2	46.7	50.5	-	52	7	39	29	-	-	3.49	-	.69	11	24	14	0	0	0	0	0	0	0	0	0	0	2	4.02	-
	Sule Skerry	9 9 9	43	53.9	47.7	50.8	-	59	3	40	29	-	-	3.02	-	.89	17	24	18	0	0	0	0	0	0	0	0	0	0	-	-	-
Caithness	Halkirk (Olgrinbeg)	9 9 9	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wick	21-9 9	119	54.6	45.5	50.1	-2.0	61	7	37	24, 25, 29	-	-	3.25	130	.63	17	27	17	0	0	1	0	0	0	0	0	0	1	3.75	96	
Sutherland	Cape Wrath	21-9 9	367	52.6	47.9	50.3	-	58	26	40	29	-	-	4.09	-	1.12	17	23	18	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lairg (Achan)	9 9 9	240	56.7	43.0	49.9	-	63	3	28	24	52.5	52.5	3.28	-	.62	17	27	18	0	0	0	0	0	0	0	0	2	8	0	0	
	Strathlyon	9 9 9	120	55.7	43.3	49.5	-	62	7, 9	30	25	-	-	3.09	-	.49	17	27	21	1	0	0	0	0	0	0	0	1	1	2.89	-	
Ross & Cromarty	Achnashellach	8 8 8	220	55.8	43.8	49.8	-2.6	63	2, 3	33	26	-	-	8.72	127	1.40	9	26	22	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fortrose	9 9 9	69	56.0	48.3	52.1	-	62	4	40	29	-	-	.87	-	.14	20	14	7	0	0	0	0	0	0	0	0	1	1	3.32	88	
	Kinlochewe	9 9 9	76	56.5	45.0	50.7	-	63	17	31	24, 26	-	-	6.47	-	.99	7	25	22	5	0	5	0	0	0	0	2	1	0	0	0	
	Stornoway	21-9 9	11	55.8	46.6	51.2	-1.4	61	4	39	3	-	-	3.27	-	.98	6	23	16	0	0	1	0	0	0	0	0	0	1	3.93	110	
	Tarbatness	21-9 9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inverness	Benbecula	21-9 9	19	56.1	48.4	52.3	-	60	3, 4	36	25	-	-	3.03	-	.87	6	19	13	0	0	1	0	0	0	0	0	0	1	4.95	-	
	Cannich	9 9 9	350	56.4	40.5	48.5	-	65	3, 4	26	25	-	-	3.60	-	.96	6	21	15	0	0	0	0	0	0	0	0	4	15	0	0	
	Dalwhinnie	18-9 9	1176	53.1	41.0	47.1	-	63	3	24	25	-	-	2.85	79	.69	6	23	13	0	0	0	0	0	0	0	0	3	5	0	0	
	Duntulm	9 9 9	294	54.7	46.2	50.5	-	59	9, 22	39	25	-	-	3.95	86	.77	6	23	15	0	0	0	0	0	0	0	0	1	2	3.66	-	
	Ft. Augustus	8 8 8	70	56.7	45.4	51.1	-1.8	67	3	32	26	-	-	2.97	87	.51	4, 6	19	13	0	0	0	0	0	0	0	1	1	2	2.91	-	
	Ft. William	9 9 9	34	57.2	46.0	51.6	-2.2	65	3	35	26	53.0	53.8	5.12	80	1.05	7	19	15	0	0	1	1	0	0	0	0	2	0	2.43	89	
	Glennmore Lodge	9 9 9	1000	52.7	40.9	46.8	-	62	3	27	25, 26	-	-	2.28	-	.39	19	26	14	0	0	2	0	0	0	3	3	0	2.51	-		
	Inverness	9 9 9	242	56.8	45.8	51.3	-	62	3, 9	33	26	-	-	1.40	60	.30	19	17	15	0	0	0	0	0	0	0	0	0	0	3.19	-	
	Kincraig	9 9 9	780	55.3	39.8	47.5	-	65	3	23	25, 26	-	-	2.15	-	.28	13	24	15	0	0	0	0	0	0	0	1	4	8	-	-	
	Onich	9 9 9	48	56.6	45.3	50.9	-	63	3	34	26	-	-	5.02	80	.83	6	22	17	0	0	0	0	0	0	0	0	6	3.20	114		
1 SCOTLAND, E.																																
Nairn	Nairn	9 9 9	20	56.8	46.2	51.5	-2.1	64	4	35	25	-	-	1.19	60	.17	22	18	8	0	0	0	0	0	0	0	0	2	1	3.50	91	
Moray	Elgin	9 9 9	92	57.0	46.1	51.5	-	65	4	36	25	-	-	1.46	-	.22	20	19	11	0	0	0	0	0	0	0	0	0	0	3	3.65	-
	Findhorn	21 21 9	20	56.7	47.2	51.9	-	65	4	37	26	-	-	1.32	-	.23	6	17	11	0	0	0	0	0	0	0	0	1	1	3.27	-	
	Forres	9 9 9	155	57.1	45.1	51.1	-	64	4	35	25, 26	53.6	54.4	1.23	-	.19	6	18	10	0	0	0	0	0	0	0	0	1	1	3.27	-	
	Gordon Castle	21 21 9	104	56.9	45.4	51.1	-2.6	64	4, 7	35	25	-	-	1.97	79	.30	19	20	11	0	0	0	0	0	0	0	0	1	1	3.05	80	
	Kinloss	21-9 9	15	56.7	46.0	51.3	-	65	4	34	26	-	-	1.39	-	.22	6	20	10	0	0	0	0	0	0	0	0	3	0	3.49	-	
Banff	Banff	9 9 9	130	55.3	47.1	51.2	-2.7	62	7, 10	40	25	-	-	2.29	94	.29	11, 20	22	15	0	0	0	0	0	0	0	0	0	4	3.50	88	
	Glanivet	9 9 9	1085	53.1	39.8	46.5	-	62	4	23	25	48.6	-	2.18	-	.29	13	23	18	2	0	2	0	0	0	6	7	0	2.64	-		
Aberdeen	Aberdeen	9 9 9	170	56.6	45.1	50.9	-	64	1	32	25	-	-	1.70	-	.33	21	16	13	0	0	0	0	0	0	0	1	2	1	4.31	-	
	Balmoral	9 9 9	927	55.0	41.1	48.1	-2.3	62	3, 4	28	26	-	-	2.53	105	.42	20	22	13	0	0	0	0	0	0	0	3	3	0	-	-	
	Braemar	21 21 9	1113	53.8	42.3	48.1	-1.8	61	3, 4	28	25, 26	-	-	2.57	102	.43	6	23	16	0	0	0	0	0	0	0	3	3	0	2.47	-	
	Craigstone	9 9 9	300	55.9	44.9	50.4	-2.2	62	1, 4	35	25	52.2	52.8	2.26	93	.55	20	17	12	0	0	0	0	0	0	1	0	1	5	3.99	92	
	Dyce	21-9 9	185	56.5	44.9	50.7	-	63	1, 4, 10	30	25	-	-	2.36	98	.53	20	17	13	0	0	1	1	0	0	0	1	2	1	4.07	-	
	Huntly	9 9 9	405	55.9	43.8	49.9	-	64	3, 10	32	25	-	-	3.23	-	.70	20	24	14	0	0	0	0	0	0	0	1	2	1	4.07	-	
	Logie Coldstone	9 9 9	608	56.3	42.1	49.2	-2.4	64	4, 9	26	25	-	-	2.35	101	.65	20	24	13	0	0	0	0	0	0	0	4	0	0	-	-	
	Rattray Head	21-9 9	85	54.8	46.9	50.9	-	62	8, 10	40	39	-	-	2.05	-	.29	13	20	16	0	0	0	0	0	0	0	0	7	4	3.38	-	
	Udny	9 9 9	363	55.7	43.8	49.7	-	62	1, 4	35	24, 25	-	-	3.06	-	.85	20	26	15	2	0	0	0	0	0	0	0	0	2	3.93	-	
Kinordine	Fettercairn	9 9 9	560	56.2	43.5	49.9	-	64	1, 27	36	25, 29	-	-	2.48	-	.53	6	20	14	0	0	0	0	0	0	2	0	6	3	3.73	-	
	Muchalls	9 9 9	210	56.5	45.9	51.2	-	64	1	37	25	-	-	2.12	-	.58	20	21	14	0	0	0	0	0	0	0	0	0	0	-	-	
	Stonehaven	9 9 9	12	58.3	46.0	52.1	-	65	1	36	25	-	-	1.22	-	.27	6	16	12	0	0	0	0	0	0	0	0	0	0	4.58	-	
Angus	Arbroath	9 9 9	95	58.2	44.5	51.3	-2.4	64	2, 3, 4	36	25	-	-	1.31	69</																	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1957

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			Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip. 0.1 in. (0.2 mm.) or more	Precip. 0.01 in. (0.1 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average							
			A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date					Minimum	Date													Amount	Date					
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.									hr.	%						
6a SCOTLAND, W.																																	
Argyll	Colonsay ..	9 9 9	87	57.5	48.3	52.9	-	62	3	36	26	-	-	4.61	112	.63	6	25	20	0	-	1	0	-	0	-	0	-	-	-	-		
	Dunoon (Benmore)	9 9 9	46	57.6	-	-	-	64	2,3	-	-	52.4	54.6	5.99	-	1.23	6	24	19	0	-	0	0	0	-	0	-	0	-	-	-		
Dunoon Water Works		9 9 9	228	58.1	46.1	52.1	-	65	3	37	26	-	-	5.54	-	.95	6	22	18	-	0	-	0	0	0	5	0	-	-	-	-		
	Glenbranter ..	9 9 9	120	56.9	44.3	50.6	-2.4	66	3	31	26	-	-	5.31	-	.97	6	19	17	0	0	0	0	2	1	5	0	-	-	-	-		
Loch Fyne (Lepinmore) ..		9 9 9	30	57.2	46.7	51.9	-	64	2	34	26	-	-	4.81	-	.84	6	20	17	0	0	0	0	1	0	1	1	3.54	-	S	-	-	
	Tiree ..	21-9 9	29	56.5	48.7	52.6	-1.6	61	21	40	25	-	-	2.94	79	.53	22	24	16	0	0	0	1	1	0	0	2	4.76	115	-	-	-	
Bute	Millport ..	9 9 9	16	57.7	48.3	53.0	-	65	3	40	26	-	-	2.70	-	.48	6	19	16	-	0	-	0	0	0	-	-	-	-	-	-	-	
	Rothesay ..	2121 9	200	55.8	46.9	51.3	-2.6	62	1,8	39	26	51.1	52.9	4.14	102	.57	11	17	17	0	0	0	0	0	0	0	2	3.69	99	-	-	-	
Dumbarton	Helensburgh ..	9 9 9	293	56.8	-	-	-	65	2,3	-	-	-	-	3.16	75	.42	6	16	15	0	0	0	0	1	-	-	2	4.01	115	-	-	-	
Stirling	Falkirk ..	9 9 9	100	59.9	46.2	53.1	-	67	1	33	26	-	-	2.02	-	.43	22	16	11	0	0	0	0	1	0	-	0	-	-	-	-	-	
	Stirling ..	9 9 9	151	58.2	46.4	52.3	-2.1	65	1,2,3	35	26	53.9	56.1	1.91	71	.53	6	15	14	0	0	0	0	1	0	0	0	-	-	-	-	-	
Renfrew	Barrhead ..	9 9 9	97	57.4	45.8	51.6	-	65	3	31	26	-	-	2.94	-	.63	6	18	15	0	0	0	0	1	1	1	0	-	-	-	-	-	
	Greenock ..	9 9 9	200	56.8	47.5	52.1	-2.6	63	2,3	39	26	-	-	3.80	85	.61	11	20	14	0	0	0	0	1	0	1	1	3.73	-	S	-	-	
Paisley ..		2121 9	106	58.4	47.0	52.7	-2.2	66	1,3	37	26	54.8	55.6	2.76	92	.54	6	16	14	0	0	0	0	1	0	0	0	4.37	115	-	-	-	
	Renfrew ..	21-9 9	26	58.0	46.1	52.1	-1.9	65	3	31	26	-	-	2.33	90	.48	6	17	13	0	0	0	0	1	1	2	0	4.48	121	-	-	-	
Lanark	Carnwath ..	9 9 9	706	55.1	42.2	48.7	-	64	3	31	26,29	-	-	2.24	-	.39	11	17	10	0	0	0	0	4	8	0	-	-	-	-	-	-	
	Coalburn ..	9 9 9	920	54.3	42.3	48.3	-	62	3	29	26	49.8	-	3.69	-	.69	6	20	17	0	0	0	0	0	2	6	2	4.25	-	-	-	-	
Coatbridge ..		9 9 9	256	56.8	-	-	-	64	1	-	-	-	-	2.42	-	.55	22	17	13	0	0	0	0	2	-	-	1	-	-	-	-	-	
	Glasgow, Spr. Pk.	9 9 9	351	57.2	45.2	51.2	-	64	1	35	26	-	-	2.92	-	.49	22	18	16	0	0	0	0	0	1	0	1	4.13	-	-	-	-	
Glenzavel ..		9 9 9	839	53.9	42.9	48.4	-	61	3	33	26	-	-	3.70	-	.62	6	18	18	0	0	0	0	2	0	-	1	-	-	-	-	-	
	Leadhills ..	9 9 9	1270	53.3	42.0	47.7	-	62	3	28	26	-	-	4.47	-	1.00	6	20	18	0	0	0	0	0	3	4	0	-	-	-	-	-	
Thorntonhall ..		9 9 9	453	56.1	44.1	50.1	-	63	3	33	26	-	-	3.08	-	.52	6	18	15	0	0	0	0	0	0	5	0	4.04	-	-	-	-	
	Auchincruive ..	9 9 9	147	57.2	46.2	51.7	-	64	1	31	26	53.9	54.7	4.16	-	.60	15	17	15	0	0	0	1	0	1	4	2	3.82	-	-	-	-	
Colmonell ..		9 9 9	170	57.7	45.1	51.4	-3.1	63	22	29	26	-	-	4.92	142	.51	17	22	14	0	0	0	0	0	1	0	-	-	-	-	-	-	
	Kilmarnock ..	9 9 9	115	57.8	46.2	52.0	-2.6	65	3	33	26	53.5	55.4	3.39	111	.47	6	17	16	0	0	0	0	0	7	0	4.12	107	-	-	-	-	
Largs (Woodbank)		9 9 9	25	58.6	47.4	53.0	-	66	3	35	26	-	-	2.43	-	.39	11	17	15	-	-	-	-	0	0	3	-	-	-	-	-	-	
	Prestwick ..	9 9 9	17	57.0	48.1	52.5	-	62	6,7	35	26	-	-	3.60	140	.50	22	16	14	0	0	0	0	0	0	1	1	3.75	-	-	-	-	
Airport		21-9 9	30	57.9	47.9	52.9	-	63	3	32	26	-	-	3.59	-	.47	11	16	14	0	0	0	2	1	0	1	2	0	4.52	-	-	-	-
	Turnberry ..	9 9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dumfries ..		9 9 9	140	58.0	46.1	52.1	-2.1	66	3	37	26,30	54.8	55.5	3.78	139	.89	17	18	15	0	-	0	0	1	0	4	0	4.32	116	-	-	-	
	Eskdalemuir	21-9 9	794	55.8	43.3	49.5	-2.5	62	1,3	32	30	53.8	53.8	4.27	115	.49	6	20	17	0	0	0	0	1	5	0	3.86	116	-	-	-		
Ruthwell ..		8 8 8	95	60.2	44.0	52.1	-2.3	69	3	33	16,26	-	-	3.83	-	.95	17	18	15	-	-	-	0	-	1	4	4.52	126.8	-	-	-		
	Castle Douglas ..	9 9 9	196	58.0	43.3	50.7	-	65	3	28	26	53.9	-	4.64	-	.84	17	17	14	-	0	-	0	2	5	-	4.13	-	-	-	-		
Kirkcubright	Glenlee ..	9 9 9	181	58.4	44.9	51.7	-	65	3	30	26	-	-	4.90	-	.85	6	18	13	0	0	0	0	0	1	2	0	-	-	-	-	-	
	Glenlocharr Barrage	9 9 9	154	58.0	44.1	51.1	-	65	3	34	30	-	-	4.37	-	.83	17	18	17	-	0	-	-	0	-	-	-	-	-	-	-	-	
Wigtown	West Freugh ..	21-9 9	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6b ISLE OF MAN																																	
Isle of Man	Douglas ..	9 9 9	284	58.2	49.8	54.0	-1.2	65	4	43	26	-	-	6.38	195	1.19	16	21	17	0	0	0	0	0	0	0	-	4.28	92	-	-	-	
	Point of Ayre ..	21-9 9	30	59.9	51.7	55.8	-	66	9	46	12	-	-	6.29	-	1.17	16	19	17	0	0	0	1	0	0	-	5	4.43	-	-	-	-	
Ronaldsway ..	21-9 9	55	58.6	51.1	54.9	-	64	4	42	26	-	-	5.68	235	1.18	16	20	17	0	0	0	0	1	0	0	1	4.14	-	-	-	-	-	
2 ENGLAND, N.E.																																	
Northumberland	Acklington ..	21-9 9	138	57.9	46.4	52.1	-	63	4,7,9	39	15,26	-	-	2.27	-	.75	22	18	14	0	0	0	0	0	0	0	0	4.56	-	-	-	-	
	Bellingham ..	9 9 9	849	55.6	42.8	49.2	-2.8	62	1	34	15	-	-	2.41	100	.62	22	19	15	0	0	0	0	0	-	-	-	-	-	-	-	-	
Berwick-on-Tweed		9 9 9	76	57.6	47.9	52.7	-1.2	63	4	42	15,16,19	-	-	2.19	125	.57	22	16	10	0	0	1	0	0	0	0	1	4.85	109	-	-	-	
	Cockle Park	2121 9	326	57.9	45.6	51.7	-2.0	63	7,8	39	15,26,30	52.7	53.7	3.00	145	1.02	22	20	14	0	0	0	0	0	1	4	4.50	107	-	-	-		
Haydon Bridge ..		9 9 9	270	58.5	44.9	51.7	-	65	1,4,9	32	26	53.6	53.2	2.90	-	.66	22	19	13	0	0	0	0	2	1	-	0	4.26	-	-	-	-	
	Kielder Castle ..	9 9 9	660	56.9	42.7	49.8	-	63	2	31	26	53.5	-	3.44																			

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip't (0.1 in. (0.2 mm.) or more)	Precip't (0.1 in. (0.2 mm.) or more)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum	Date					Amount	Date																	
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
3 ENGLAND, E																																	
Norfolk	Burlingham ..	9 9 9	89	61.4	49.1	55.3	-	68	7, 18	41	15, 30	-	-	3.49	-	.68	10	20	14	0	0	0	2	0	0	0	0	0	0	0	0	3.77	-
	Cromer ..	9 9 9	178	58.7	49.8	54.3	-4.2	68	9, 10	40	14	-	-	3.58	196	.75	10	19	15	0	0	0	0	0	0	0	0	0	0	0	0	3.80	76
	Gorleston ¶	21-9 9	5	61.2	50.7	55.9	-2.8	68	7, 18	42	15, 30	57.6	57.7	3.58	183	.61	10	20	16	0	0	1	3	0	0	0	0	0	0	0	4.17	82	
	Marham ..	21-9 9	76	61.1	48.1	54.6	-	68	7, 18, 23	38	30	-	-	3.92	-	.73	10	18	16	0	0	2	3	0	0	0	0	0	0	0	-	-	
	Sproston ¶	9 9 9	93	61.3	48.8	55.1	-2.5	68	7, 18, 23	39	4	-	-	3.55	171	.77	10	21	16	0	0	2	2	-	0	1	-	-	3.35	68			
Terrington	St. Clement ..	9 9 9	13	61.4	48.6	55.0	-	68	5	39	15, 30	56.3	-	4.06	-	.88	10	18	14	0	0	0	2	0	0	0	0	0	0	3.27	-		
Thetford ..	9 9 9	50																															
West Raynham ..	21-9 9	250	59.8	48.3	54.1	-	67	23	39	15	-	-	4.38	-	.88	10	18	17	0	0	2	2	0	0	0	0	0	0	0	3.83	-		
Suffolk	East Bergholt ..	9 9 9	14	63.3				70	5, 22	36	4, 30	-	-	2.93	-	.59	23	14	11	0	0	0	1	0	0	0	0	0	0	-	-		
	Felixstowe ..	21-9 9	10	61.4	52.7	57.1	-2.3	66	18, 22, 23	42	30	-	-	2.45	148	.61	23	16	9	0	0	0	1	0	0	0	0	0	0	3.72	69		
	Ipswich, Bestead	9 9 9	125	62.5	48.7	55.6	-	70	22	38	30	57.6	58.5	2.75	-	.61	23	20	10	0	0	0	1	0	0	0	0	0	0	3.53	-		
	Lowestoft ..	9 9 9	82	61.9	49.4	55.7	-2.7	69	18	39	15	56.6	57.3	3.29	168	.80	23	19	15	0	0	0	2	0	0	0	0	0	0	3.84	74		
	Mildenhall ..	21-9 9	15	62.0	49.3	55.7	-	70	18	35	30	-	-	4.17	253	1.48	23	19	12	0	0	1	2	0	0	1	0	0	0	3.17	-		
Cambridge	Boxworth ..	9 9 9	157	62.4	48.4	55.4	-	73	22	35	30	-	-	3.83	239	.86	23	16	12	0	0	1	1	1	0	1	0	1	0	3.67	-		
	*Cambridge Bot. Gdn. ¶	9 9 9	41	62.8	48.1	55.5	-2.1	70	22	36	30	57.9	58.9	3.25	202	.88	23	14	10	0	0	1	1	-	0	1	0	0	3.72	80			
Huntingdon	Wyton ..	21-9 9	129	62.2	49.0	55.6	-	69	22	38	30	-	-	3.02	-	.75	23	15	10	0	0	0	2	1	0	0	0	0	-	-			
Bedford	Cardington ..	21-9 9	93	62.6	47.1	54.9	-	71	22	30	30	-	-	2.76	-	.74	23	18	11	0	0	0	0	0	0	1	1	0	0	3.75	-		
	Dunstable ..	21-9 9	516	61.0	47.4	54.2	-	70	22	32	30	56.1	56.3	2.55	-	.54	10	18	13	0	0	0	1	1	1	1	1	0	3.66	-			
	Goldington ..	2121 9 9	107	62.8	48.4	55.6	-	70	22	36	30	-	-	3.12	-	1.00	23	18	11	0	0	1	0	0	0	0	0	0	-	-			
	Harrold ..	9 9 9	150	62.5	46.4	54.5	-	70	22	32	30	56.7	56.0	3.67	-	.86	23	16	13	0	0	0	0	0	0	1	2	0	-	-			
	Luton ..	9 9 9	379	61.5	48.0	54.7	-2.2	70	22	34	30	56.3	56.8	2.61	144	.65	24	17	10	0	0	0	0	0	0	1	0	0	0	3.51	75		
Silsoe ..	9 9 9	195	62.4	48.0	55.2	-	70	22	36	30	57.5	57.3	2.14	131	.45	24	14	10	0	0	0	0	0	0	0	0	0	0	3.96	-			
Woburn ..	9 9 9	291	61.4	48.5	54.9	-1.8	69	22	35	30	55.5	55.5	2.82	158	.51	24	15	12	0	0	0	0	0	0	0	0	1	-	3.39	73			
Hertford	Bayfordbury ..	9 9 9	221	62.1	48.1	55.1	-	69	22	35	30	-	-	3.13	183	.73	24	16	11	0	0	1	0	-	0	1	0	1	0	3.57	-		
	Bovingdon ..	21-9 9	516	59.9	48.5	54.2	-	68	22	35	30	-	-	3.30	-	.84	10	17	11	0	0	0	1	2	0	1	0	-	-				
	Eastwick Lodge ..	9 9 9	137	62.8	47.1	54.9	-	70	22	34	30	-	-	2.74	-	.63	24	16	12	-	-	-	-	-	-	-	-	-	-				
	Garston ..	9 9 9	250	62.3	48.5	55.4	-	70	22	36	30	-	-	3.09	-	.71	10	16	13	-	-	-	-	-	0	1	-	-					
	Rothamsted ¶	9 9 9	420	61.5	47.9	54.7	-1.9	70	22	36	30	56.5	56.3	3.07	157	.71	10	17	12	0	0	0	1	2	0	0	0	0	3.73	81			
St. Albans ..	9 9 9	272	62.5	48.0	55.3	-1.7	69	22	35	30	57.8	-	2.80	156	.65	10	17	12	0	0	0	2	0	0	1	-	-						
Essex	Clacton ..	9 9 9	53	61.7	50.8	56.3	-	69	5	38	30	58.8	59.0	2.61	149	.48	25	15	13	0	0	2	0	0	0	0	0	-	3.82	71			
	Coryton ..	9 9 9	9	64.1	51.9	58.0	-	70	22	36	30	59.0	60.5	2.14	-	.48	10	18	12	-	-	-	-	0	0	0	0	-	-				
	Dovercourt ..	9 9 9	47	63.3	48.8	56.1	-	71	5	37	30	-	-	2.61	-	.61	10	16	11	-	-	-	-	0	0	0	0	0	3.76	-			
	Earls Colne ..	9 9 9	160																														
	East Ham ..	9 9 9	11	63.8	51.9	57.9	-1.4	70	22	40	30	-	-	1.95	115	.43	23	16	12	0	0	0	1	0	0	0	0	-	-				
Maldon ..	9 9 9	14	63.2	49.4	56.3	-	70	5, 22	42	4, 9, 15	-	-	2.53	-	.60	10	17	11	0	0	0	0	1	0	-	-	4.17	-					
Saffron Walden ..	9 9 9	295	-	48.3	-	-	-	-	37	30	56.1	56.0	2.66	-	.58	24	14	12	0	0	0	0	0	0	0	0	-	-					
Shoeburyness ¶	21-9 9	11	63.4	51.8	57.6	-1.6	71	5	39	30	-	-	3.50	210	.61	25	17	14	0	0	1	1	0	0	0	0	0	4.29	83				
Southend ..	9 9 9	90	63.7	50.8	57.3	-	71	5	38	30	-	-	2.59	160	.37	25	18	12	0	0	0	1	1	0	0	0	0	3.70	71				
Stansted ..	9 9 9	330	62.1	48.7	55.4	-	70	22	38	30	-	-	2.55	-	.73	24	17	10	0	0	1	0	1	0	1	0	-	-					
Writtle ..	9 9 9	105	63.0	48.3	55.7	-	70	22	36	30	-	-	2.43	-	.68	24	17	12	0	0	0	0	0	0	0	0	0	3.44	-				
4 MIDLAND COUNTIES																																	
Yorks.	Askham Bryan	9 9 9	90	59.6	47.3	53.5	-	66	7, 8	36	16	-	-	3.41	208	.60	17	18	15	-	0	-	-	1	0	0	0	0	3.56	-			
	W. Riding	Bingley ..	9 9 9	610	57.3	47.1	52.2	-	63	1, 6, 7	37	15, 30	-	-	4.72	-	.96	11	17	14	0	0	1	1	2	0	0	-	-				
Bradford ..	¶	9 9 9	439	58.0	48.2	53.1	-2.2	65	7	39	30	54.2	56.1	4.25	182	.73	11	18	15	-	-	-	3	0	1	-	-						
Bramham ..	9 9 9	177	59.5	47.5	53.5	-	66	7	40	15, 26, 30	-	-	3.94	-	.67	22	20	15	0	0	0	0	3	0	0	0	0	3.63	-				
Cawood ..	9 9 9	20	60.1	46.4	53.3	-	67	7	37	15, 16	55.9	57.0	3.23	215	.59	16	17	15	0	0	0	0	0	0	0	0	0	3.27	-				
Church Fenton ..	21-9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Huddersfield §	2121 9 9	325	59.1	48.0	53.5	-2.2	66	7	40																								

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.01 in. or more)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Cale	Daily Mean	Percentage of Average			
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date		
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%		
5 ENGLAND, S.E.—cont.																													
Sussex—cont.																													
Worthing ..	9 9 9	25	63.6	52.4	58.0	-1.4	70	5	37	30	59.2	59.8	3.13	146	.80	25	19	12	0	0	0	2	0	0	0	0	4.38	78	
Berkshire																													
Abingdon ..	21-9 9	210	62.5	49.0	55.7	-	71	22	34	30	-	-	3.36	-	.89	25	18	13	0	0	0	0	2	0	1	0	3.55	-	
Finchampstead ..	9 9 9	212	62.5	48.0	55.3	-	69	21, 22, 23	30	30	-	-	2.83	-	.80	23	19	15	0	0	0	0	1	1	1	0	3.28	-	
Hurley ..	9 9 9	140	62.5	48.7	55.6	-	69	21, 22	34	30	56.9	-	2.82	-	.64	24	15	9	0	0	0	0	1	0	1	1	3.06	-	
Reading ..	9 9 9	148	62.6	49.7	56.1	-2.2	70	22	37	30	59.6	60.0	2.84	-	.68	23	18	11	-	-	-	-	0	0	0	-	-	-	
Shinfield ..	9 9 9	200	62.8	46.9	54.9	-2.7	70	22	35	30	-	-	2.94	168	.79	23	16	9	0	0	0	0	0	0	0	0	3.70	-	
Wokingham ..	9 9 9	200	62.9	48.4	55.7	-	70	21	31	30	58.5	58.5	2.69	-	.75	23	16	13	0	0	0	0	1	1	-	-	-	-	
Woolhampton ..	9 9 9	370	61.9	48.3	55.1	-	69	22	34	30	58.4	-	3.01	-	.80	23	17	14	0	0	0	0	1	0	1	0	-	-	
Hampshire																													
Alice Holt Lodge	9 9 9	378	62.6	48.3	55.5	-	69	21	35	30	-	-	3.26	154	.78	24	21	16	-	-	-	-	0	0	1	-	3.52	-	
Blackbushe ..	21-9 9	325	62.8	49.4	56.1	-	70	21	33	30	-	-	2.78	-	.87	23	17	12	0	0	0	0	1	0	1	0	4.76	-	
Bournemouth ..	9 9 9	130	62.8	51.0	56.9	-1.6	68	24	36	30	58.2	59.4	2.84	121	.55	10	17	12	0	0	0	0	0	0	0	0	4.76	94	
Everton ..	9 9 9	51	63.3	50.5	56.9	-	68	1, 5	36	30	-	-	3.14	-	.62	10	16	14	0	0	0	1	1	0	1	0	4.44	-	
Hayling Island ..	9 9 9	13	62.9	52.3	57.6	-	68	1, 5	38	30	-	-	3.20	-	.57	25	16	12	0	0	0	2	-	0	-	4.42	-		
Lectford ..	9 9 9	385	62.7	48.7	55.7	-	68	5	32	30	56.9	-	2.78	-	.63	10	16	15	-	-	-	0	0	0	-	3.74	-		
Long Sutton ..	9 9 9	512	61.7	47.4	54.5	-2.7	69	21	33	30	55.1	-	2.39	-	.69	10	18	13	-	-	-	0	0	0	1	-	3.53	73	
Portsmouth ..	9 9 9	7	63.6	53.4	58.5	-1.6	69	5	39	30	60.4	60.9	2.75	127	.52	9	16	13	0	-	-	0	1	0	0	1	-	4.32	80
Ringwood ..	9 9 9	250	63.4	49.6	56.5	-	68	5, 18, 24	30	30	59.2	59.1	2.87	-	.65	9	17	14	0	0	0	1	0	1	2	0	-	-	
Southampton ¶§	2121 9	65	64.8	50.3	57.5	-1.2	70	5, 18	35	30	-	-	2.65	122	.63	10	17	12	0	-	-	0	1	0	0	0	4.12	82	
S. Farnborough ..	21-9 9	226	62.9	49.2	56.1	-1.5	69	21, 22, 23	33	30	-	-	2.88	151	.71	23	19	13	0	0	0	0	1	0	1	0	3.07	63	
Winchester ..	9 9 9	124	63.9	47.9	55.9	-	70	18	30	30	-	55.7	3.32	-	.75	10	18	13	0	0	0	0	1	1	1	0	3.54	- S	
I. of Wight																													
Newport ..	9 9 9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ryde ..	9 9 9	15	64.0	53.0	58.5	-1.0	70	5	43	30	-	-	3.08	-	.73	10	18	13	0	0	0	1	0	0	0	1	3.89	74	
Sandown ..	9 9 9	13	64.4	53.4	58.9	-0.6	71	1	38	30	-	-	3.58	-	.72	25	19	12	0	-	-	1	1	0	0	-	4.54	80	
Shanklin ..	9 9 9	180	61.8	52.2	57.0	-	66	1	38	30	-	-	4.92	-	.95	25	18	15	0	-	-	0	1	0	0	-	4.64	-	
Ventnor Park ..	9 9 9	443	62.8	52.9	57.9	-	67	1	39	30	60.0	59.1	4.79	189	1.17	25	18	14	0	0	0	1	1	0	0	-	3.18	-	
Wiltshire																													
Boscombe Down ..	21-9 9	414	61.9	49.3	55.6	-	67	5, 21, 22	32	30	-	-	2.62	154	.70	10	18	13	0	0	0	0	1	1	1	0	3.95	-	
Lacock (Lackham)	9 9 9	160	-	-	-	-	-	-	-	-	-	-	3.66	-	.92	10	13	13	0	0	0	0	0	1	-	0	-	-	
Larkhill ..	9 9 9	431	61.7	48.7	55.2	-1.3	67	21, 22, 23	34	30	-	-	3.01	178	.66	23	18	14	0	0	0	0	0	1	0	-	-	-	
Lyneham ..	21-9 9	457	61.0	49.2	55.1	-	67	21, 22	35	30	-	-	3.28	-	.93	10	16	14	0	0	0	0	0	0	0	0	4.04	-	
Porton .. ¶§	9 9 9	362	61.8	48.0	54.9	-1.5	67	21, 23	31	30	57.5	-	2.54	142	.57	10	17	12	-	-	-	1	1	1	0	3.91	80		
Upavon .. ¶§	21-9 9	578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Lavington	9 9 9	305	-	-	-	-	-	-	29	30	-	-	2.86	-	.77	23	18	12	0	0	0	0	-	1	-	-	-	-	
7a ENGLAND, N.W.																													
Cumberland																													
Alston ..	9 9 9	1070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.43	-	
Keswick .. ¶§	9 9 9	254	58.6	46.9	52.7	-2.1	65	3	34	26	54.8	56.2	6.70	158	1.34	17	20	17	0	0	0	0	0	4	0	3.30	95		
Newton Rigg ..	9 9 9	560	57.8	46.2	52.0	-1.4	63	1, 6	36	30	-	-	4.51	166	.85	13	16	13	0	0	0	0	0	2	0	4.29	114		
Sellafield ..	9 9 9	43	59.6	48.6	54.1	-	71	2	38	26	-	-	6.43	-	1.91	17	13	16	0	0	0	0	1	0	-	4.16	-		
Silloth ..	21-9 9	25	58.0	47.9	52.9	-	65	1, 3	31	26	-	-	4.26	-	1.19	17	16	13	0	0	0	0	1	1	0	4.44	-		
Westmorland																													
Ambleside ..	9 9 9	151	58.5	46.9	52.7	-	67	3	34	16	-	-	7.20	135	.93	6	22	16	0	-	-	0	0	0	0	3.13	-		
Moor House ..	9 9 9	1840	51.2	40.7	45.9	-	57	1, 3	31	30	48.9	-	6.66	-	.89	22	24	20	0	0	0	0	2	5	0	3.46	-		
Lancashire																													
Bolton ..	9 9 9	342	58.5	47.4	52.9	-2.9	65	7	38	30	55.5	55.5	8.05	228	1.60	16	24	20	0	-	-	1	0	4	0	0	3.51	107	
Burnley ..	9 9 9	458	57.4	47.1	52.3	-2.3	63	7	32	30	53.8	55.6	7.28	-	1.33	11	20	18	0	0	0	0	1	3	0	-	-		
Darwen ..	2121 9	724	57.8	46.5	52.1	-2.4	65	2, 23	39	16, 30	53.8	54.1	8.72	229	1.85	11	21	19	0	0	0	1	0	0	0	0	-	-	
Helmsshore ..	9 9 9	854	56.0	46.9	51.5	-	61	3, 4, 7	37	15	52.9	-	8.68	-	1.23	16	22	22	0	-	-	0	0	2	-	3.76	-		
Kirkham ..	9 9 9	77	59.3	49.1	54.2	-	65	3	35	30	-	-	5.47	179</															

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average								
				A	B		Mean Temperature Mean of A and B	Maximum	Date																	Minimum	Date	in.	%	in.	in.	in.	in.
8a SOUTH WALES																																	
Cardigan	Aberporth	21-9-9	376	59.4	52.2	55.8	-	66	22	47	29,30	-	-	7.39	267	1.77	23	19	18	0	0	1	0	0	0	0	0	0	0	0	1	3.61	-
	Aberystwyth	9 9 9	12	59.8	50.7	55.3	-	67	22	35	30	-	-	7.03	247	1.29	24	20	19	0	0	0	0	0	0	0	0	0	0	0	0	2.92	65
	Llety-evan-hen	9 9 9	950	55.9	48.0	51.9	-	62	21,22	38	30	-	-	10.11	-	1.15	28	23	19	0	0	0	0	0	0	0	0	0	1	2.34	-		
	P.B.S.*	9 9 9	452	-	50.0	-	-	65	22	36	30	-	-	7.25	-	.81	23	24	18	0	0	0	0	0	0	0	0	0	0	0	2.90	67	
	Gogerddan	9 9 9	103	59.8	-	-	-	66	22	31	30	-	-	7.38	-	.80	10	21	19	0	0	0	0	0	0	0	1	1	2	2.88	-		
	Swyddfynnon	9 9 9	588	58.7	47.9	53.3	-	65	22	29	30	-	-	8.67	-	1.20	23	22	20	0	0	1	1	0	1	1	0	0	0	-	-		
	Trawscoed	9 9 9	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Pembroke	Dale Fort	9 9 9	109	60.7	54.0	57.3	-	64	5	47	30	-	-	4.51	-	.98	23	20	12	0	0	0	0	0	0	0	0	0	0	2	3.94	-	
	Haverfordwest	9 9 9	131	61.1	51.7	56.4	+0.1	64	4,7,23	41	27	-	-	8.70	245	2.05	24	23	20	0	0	0	0	0	0	0	0	0	0	0	0	3.61	-
	Milford Haven	9 9 9	179	60.5	52.0	56.3	-	64	1	42	30	-	-	6.52	-	1.17	24	22	21	0	0	0	0	0	0	0	0	0	0	0	0	3.61	-
	Pembroke Dock	21-9-9	34	61.2	53.2	57.2	-	65	1	41	30	-	-	7.78	238	1.76	24	21	20	0	0	0	2	0	0	0	0	0	0	0	0	3.39	-
	Tenby	9 9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Radnor	Llandrindod Wells ¶§	9 9 9	772	59.6	47.4	53.5	-1.1	67	22	31	30	-	-	6.94	284	1.04	23	20	18	0	0	0	0	0	0	0	0	0	0	0	3.02	74s	
Brecknock	Llwynon	9 9 9	860	58.3	47.3	52.8	-	64	22	32	30	-	-	9.84	269	1.40	10	21	18	0	0	0	0	0	1	1	-	-	-	-	-		
Glamorgan	Cardiff ¶§	9 9 9	202	61.4	50.8	56.1	-1.4	68	22	38	30	59.5	59.2	5.07	166	1.24	10	19	14	0	0	0	0	0	0	0	0	0	0	0	4.06	84	
	Neath	9 9 9	153	61.7	52.5	57.1	-	67	22	36	30	-	-	9.35	-	1.82	6	20	18	0	0	0	0	0	0	0	0	0	1	1	-	-	
	Port Talbot	9 9 9	24	62.4	52.5	57.5	-	69	22	39	30	-	-	7.44	-	1.58	10	21	18	-	-	-	-	-	-	-	-	-	-	-	3.67	-	
	Rhosee	21-9-9	220	60.6	51.1	55.9	-	67	22	35	30	-	-	4.97	-	1.19	10	20	16	0	0	0	0	0	0	0	0	0	0	1	1	4.15	-
	Swansea	9 9 9	27	62.2	52.4	57.3	-1.6	69	22	39	30	60.1	61.2	9.08	-	1.95	23	17	16	0	0	0	0	0	0	0	0	0	0	0	3.83	84	
Monmouth	Newport	9 9 9	75	62.1	50.5	56.3	-	68	22,23	36	30	-	-	4.70	-	1.23	10	19	14	0	0	0	0	0	0	0	0	0	0	0	3.52	-	
	Tredegar	9 9 9	1028	57.9	47.1	52.5	-	64	22	34	30	-	-	6.84	-	1.12	23	19	16	0	0	0	0	0	0	0	0	0	0	0	3.52	-	
	Usk	9 9 9	70	62.4	48.6	55.5	-	70	22	31	30	59.1	-	5.07	-	1.10	23	18	14	0	0	0	0	0	0	0	0	0	0	0	3.68	-	
8b ENGLAND, S.W.																																	
Somerset	Bath ¶§	9 9 9	67	63.0	50.1	56.5	-1.6	69	7,22	35	30	60.0	59.4	3.48	167	.82	23	18	15	0	0	0	0	0	0	0	0	0	2	2	3.86	83	
	Bickenhall	9 9 9	231	62.8	50.1	56.5	-	69	22	35	30	59.3	58.9	3.17	-	.62	12	16	14	0	0	0	0	0	0	0	0	0	1	0	4.53	-	
	Cannington	9 9 9	95	62.5	52.1	57.3	-	69	22	38	30	-	-	3.57	-	.73	12	18	16	0	0	0	0	0	0	0	0	0	0	0	4.07	-	
	Long Ashton	9 9 9	162	62.0	50.2	56.1	-1.2	68	22	36	30	59.4	-	4.57	191	1.02	10,23	19	17	0	0	0	0	0	0	0	0	0	0	1	-	3.63	77
	Weston-s.-Mare	9 9 9	28	61.9	52.6	57.3	-	67	1,23	45	30	-	-	3.97	176	.68	23	19	16	0	0	0	0	0	0	0	0	0	0	0	4.29	91	
Dorset	Wootton Courtenay	9 9 9	486	61.4	49.9	55.7	-	69	4	35	30	-	-	6.69	-	1.12	10	21	19	0	0	0	0	0	0	0	0	0	0	0	0	3.85	-
	Poole	9 9 9	18	64.3	49.0	56.7	-	70	1,5	32	30	-	-	2.77	-	.58	10	17	11	0	0	0	0	0	0	0	0	0	0	0	4.56	-	
	Portland Bill	21-9-9	35	61.0	55.7	58.3	-1.2	65	5,8	44	30	-	-	2.75	146	.59	25	17	12	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Shaftesbury	9 9 9	680	60.3	49.4	54.9	-1.5	65	9	36	30	-	-	3.65	-	.63	12	17	15	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Swanage	9 9 9	34	63.0	51.9	57.5	-	67	5,24	37	30	-	61.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.41	-		
Devon	Weymouth	9 9 9	16	64.1	52.7	58.4	-1.1	68	1,5	39	30	-	-	3.25	155	.66	9	13	13	0	0	0	0	0	0	0	0	0	0	0	1	4.69	91
	Chivenor	21-9-9	20	62.7	53.0	57.9	-	71	22	37	30	-	-	4.54	-	.91	10	20	17	0	0	0	0	0	0	0	0	0	0	0	1	4.53	-
	*East Budleigh	9 9 9	64	63.8	49.6	56.7	-	70	24	32	30	-	-	2.15	-	.34	10	19	14	-	-	-	-	-	-	-	-	-	-	-	-		
	Exeter	21-9-9	106	63.6	50.9	57.3	-	71	24	32	30	-	-	1.98	-	.36	10	16	12	0	0	0	0	0	0	0	0	0	0	0	0	4.58	-
	Exmouth	9 9 9	195	62.2	51.7	56.9	-0.9	68	4,24	37	30	-	-	2.06	-	.34	10	15	13	0	0	0	0	0	0	0	0	0	0	0	4.82	101	
	Hartland Pt.	21-9-9	298	59.8	53.7	56.7	-	65	22	47	13	-	-	4.10	-	1.02	10	21	13	0	0	0	0	0	0	0	0	0	0	0	2	3.99	-
	Ilfracombe	9 9 9	25	62.0	55.2	58.6	-0.6	69	21,22	50	20,30	60.9	60.8	6.57	244	1.27	10	19	15	0	0	0	0	0	0	0	0	0	0	0	0	4.13	88
	†Newton Abbot	9 9 9	272	63.4	51.0	57.2	-0.7	68	4,5,24	37	30	-	-	3.25	151	.71	10	17	14	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Paignton	9 9 9	8	64.1	52.4	58.3	-	69	5,24	40	30	-	-	2.92	-	.66	10	16	13	0	0	0	0	0	0	0	0	0	0	0	4.29	85	
	Plymouth	(Mount Batten)	21-9-9	87	61.4	52.4	56.9	-1.5	65	5	38	30	-	-	3.49	139	.80	10	17	13	0	0	0	0	0	0	0	0	0	0	0	4.68	92
	Plymouth (The Hoe)	9 9 9	119	62.0	52.5	57.3	-1.5	67	8	39	30	59.5	60.0	3.63	142	.80	10	17	14	0	0	0	0	0	0	0	0	0	0	0	4.98	97	
	Princetown	9 9 9	1359	57.6	48.2	52.9	-	63	19,20	36	30	-	-	10.32	202	1.87	9	23	21	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Sidmouth	9 9 9	25	62.7	51.3	57.0	-1.2	68	24																								

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1957

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					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 to 5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,300 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	8 or more	6	4	1	0	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
				ft.	mb.	mb.	°F.	°F.	mb.	%	0	1	2	3 to 5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,300 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	8 or more	6	4	1	0	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
8b ENGLAND, S.W.		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%	0	1	2	3 to 5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,300 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	8 or more	6	4	1	0	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
Somerset	Bath ..	H	9	113	1014.7	-1.6	57.6	3.5	12.7	79	6.3	0	4	3	11	12	0	0	0	0	0	0	0	0	13	10	6	0	0	1	4	24	1	1	3	2	0	1	7	7	8		
			3	35	1015.6	-	58.2	2.3	14.3	86	6.1	1	4	4	8	13	0	0	0	0	0	0	0	0	2	1	26	0	0	1	14	15	0	0	6	0	0	2	0	3	2	14	3
Dorset	Portland Bill	H	15	35	1015.6	-	60.7	3.6	14.4	80	6.0	0	3	6	10	10	1	0	0	0	0	0	0	0	3	9	22	0	0	1	15	14	0	0	2	1	2	0	1	9	14	1	
			21	35	1015.6	-	57.7	2.5	14.0	85	5.2	5	5	0	6	14	0	0	0	0	0	0	0	0	4	5	21	0	0	3	9	17	1	6	0	2	0	1	4	13	3	0	
			3	23	1014.5	-	55.1	1.4	13.8	91	6.2	0	4	4	7	15	0	0	0	0	0	0	0	0	7	14	8	1	0	4	11	13	2	1	1	6	2	2	4	6	6	0	
Devon	Chivenor ..	H	9	23	1015.6	-	57.8	2.7	13.8	83	6.4	0	1	6	15	8	0	0	0	0	0	0	0	0	5	3	13	9	0	3	17	7	3	2	0	4	1	5	2	4	9	6	
			15	23	1015.5	-	61.2	4.5	13.9	75	6.6	0	1	5	15	9	0	0	0	0	0	0	0	0	4	7	9	10	0	2	16	12	0	3	1	2	1	3	2	12	6	9	
			21	23	1015.4	-	56.4	2.2	13.6	86	6.3	1	4	2	8	15	0	0	0	0	0	0	0	0	6	9	12	2	1	3	9	14	3	4	1	2	3	4	1	8	4	4	
			3	125	1014.5	-	52.9	0.8	13.2	94	5.4	2	5	6	6	11	0	0	0	0	0	0	0	1	2	1	6	11	8	0	2	8	13	7	1	2	1	1	8	2	4	4	
			9	125	1015.6	-	57.4	2.5	13.9	85	5.7	0	3	9	13	5	0	0	0	0	0	0	0	0	7	6	6	9	0	3	14	9	4	1	2	1	1	5	4	4	8	4	
Exeter ..		H	15	125	1015.4	-	61.6	4.9	13.7	73	6.1	0	2	8	10	10	0	0	0	0	0	0	0	5	4	6	15	0	5	18	7	0	2	2	0	1	6	4	7	8	8		
			21	125	1015.5	-	55.3	1.6	13.6	89	5.6	1	6	4	6	13	0	0	0	0	0	0	0	0	1	6	12	8	3	2	8	18	2	2	0	4	7	2	9	2	4		
			3	305	1014.1	-	56.5	2.2	13.7	87	5.9	1	2	7	9	11	0	0	0	0	0	0	0	0	4	16	6	3	0	9	9	11	1	2	1	0	1	3	5	11	4	2	
			9	305	1014.6	-	57.1	2.7	13.3	83	6.2	0	0	9	17	4	0	0	0	0	0	0	0	0	1	4	9	12	4	0	7	9	13	1	6	1	1	0	2	5	9	5	
Hartland Pt.		H	15	305	1014.5	-	58.7	3.4	13.5	79	6.1	0	1	7	15	6	1	0	0	0	0	0	0	1	6	6	10	0	6	10	12	2	3	2	0	0	0	0	7	11	5	5	
			21	305	1014.3	-	57.1	2.3	13.8	85	6.0	0	4	5	11	9	1	0	0	0	0	0	0	0	4	13	9	3	1	4	10	15	0	5	0	2	0	3	4	11	5	0	
			3	100	1015.1	-	54.4	1.1	13.6	92	6.0	3	2	4	6	15	0	0	0	0	0	0	0	1	6	13	10	0	0	2	13	6	9	0	1	2	0	3	3	11	1	1	
			9	100	1016.1	-0.9	57.4	2.2	13.9	86	6.0	0	4	6	11	8	1	0	0	0	0	0	0	1	4	8	8	6	2	1	15	9	5	1	2	1	0	3	3	12	3		
Plymouth (Mount Batten)		H	15	100	1015.9	-	60.1	4.2	13.5	76	5.7	0	3	9	8	9	1	0	0	0	0	0	0	1	0	3	4	5	7	10	0	3	14	13	0	0	3	2	0	1	12	9	3
			21	100	1015.9	-	55.9	1.7	13.7	89	5.4	3	4	3	11	8	1	0	0	0	0	0	0	4	10	12	3	0	0	2	12	12	4	0	4	1	0	4	3	12	2	2	
Cornwall	Newquay ..		9	178	1015.8	-0.6	57.8	2.3	14.7	92	6.1	0	5	5	6	13	1	0	0	0	0	0	0	1	0	0	3	4	7	6	9	0	4	16	10	0	10	2	0	3	6	4	5
			3	350	1015.0	-	55.2	1.5	13.7	91	6.0	2	2	6	5	13	2	0	0	0	0	0	0	1	1	4	4	10	8	1	0	4	11	14	1	2	1	2	1	6	4	6	7
			9	350	1015.6	-	57.3	2.0	14.1	87	6.3	0	0	10	12	7	1	0	0	0	0	0	0	0	0	0	0	0	0	3	16	10	1	3	2	0	1	6	5	3	9	9	
			15	350	1015.8	-	59.4	3.5	13.9	80	6.1	1	1	7	13	8	0	0	0	0	0	0	0	1	2	4	5	11	7	0	4	17	9	0	5	0	0	1	4	6	11	3	
			21	350	1015.8	-	55.9	1.5	13.9	89	6.0	1	3	5	8	12	1	0	0	0	0	0	0	0	1	2	4	9	5	0	4	15	10	1	3	2	1	1	10	2	6	4	
NORTHERN IRELAND																																											
Londonderry	Ballykelly	H	3	13	1011.2	-	50.9	1.7	11.3	88	6.3	1	0	7	12	10	0	0	0	0	0	0	0	0	4	13	12	1	0	1	16	10	3	2	0	5	3	6	4	3	4	4	4
			9	13	1011.6	-	54.1	2.7	11.9	82	6.5	0	0	1	4	16	9	0	0	0	0	0	0	0	3	13	12	2	0	4	14	8	4	3	0	3	3	1	5	7	7	4	4
			15	13	1011.4	-	56.8	3.8	12.3	77	6.5	0	0	0	7	18	5	0	0	0	0	0	0	0	1	4	5	11	9	0	3	17	10	0	3	2	5	2	1	2	8	7	7
			21	13	1012.2	-	52.1	2.0	11.4	85	6.8	0	1	3	15	11	0	0	0	0	0	0	0	0	4	6	18	2	0	0	13	15	2	2	0	6	2	2	5	7	4	4	5
Antrim	Aldergrove	H	3	220	1011.7	-	49.9	1.0	11.6	93	5.5	2	6	3	7	12	0	0	0	0	0	0	0	1	1	5	9	13	1	0	1	11	16	2	3	0	6	1	3	7	3	5	
			9	220	1012.1	-2.2	52.5	1.7	12.1	88	6.3	0	3	4	12	11	0	0	0	0	0	0	0	0	8	8	11	3	0	2	16	9	3	1	1	4	2	3	7	5	4	4	
			15	220	1011.8	-	56.7	3.8	12.2	77	6.9	0	0	0	3	18	9	0	0	0	0	0	0	0	2	2	6	5	15	0	1	16	12	1	2	1	5	1	2	4	10	4	4
			21	220	1012.5	-	51.6	1.7	11.7	88	6.2	0	4	4	8	14	0	0	0	0	0	0	0	0	2	1	4	5	11	7	0												

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Monthly Weather Report

M.O. 625

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observations

Volume 74 Number 10

Published by HER MAJESTY'S STATIONERY OFFICE



3 8078 0006 6369 2

October 1957—*Dry during first half, then changeable*

Under the influence of an anticyclone centred first to the south-west of Ireland and later over the continent there was little rainfall over most of the British Isles during the first half of the month, with absolute droughts recorded at many stations in central and southern England. During the second half, weather was changeable with heavy rain and floods in western districts towards the end of the month.

For the first three or four days a large upper ridge remained almost stationary to the west of the British Isles with an anticyclone centred off the south-west of Ireland. Ground frost was fairly widespread early and the weather during the day, though rather cold with winds from the north-west, was quiet and fine especially in southern England where in many places it was brilliantly sunny. Over Scotland and Northern Ireland weather was generally dull with some slight rain or drizzle. Gales occurred in north Scotland on the night of the 2nd/3rd as a vigorous depression moved quickly eastward off the north coast toward southern Scandinavia; wind reached 70 kt. in gusts in the Orkneys.

The large upper ridge then began to move eastwards crossing the British Isles on the 7th, subsequently becoming quasistationary in the region of the Baltic. The associated anticyclone off south-west Ireland also moved eastwards, the highest pressure being over the central English Channel on the 6th and over central Europe the following day. Most of the British Isles remained in a weak pressure gradient for another week, but with the movement of the anticyclone surface winds slowly backed and weather over the country became milder with the influx of a more southerly airstream. Early morning fog developed over eastern and southern counties on the 7th, and during the second week of the month fog became progressively more extensive over England and Wales each morning but, except in the Midlands where it persisted locally throughout the day on the 8th and 9th, it cleared from most places by mid-morning. The afternoons, especially in the south, were generally warm and sunny with temperature rising above 60°F. and reaching 70°F. locally. In Scotland and Northern Ireland weather during the second week was mainly cloudy with some rain on most days.

The spell of settled dry weather was brought abruptly to an end by a burst of cold air, associated with strong westerly winds at high levels, which swept across the country on the 16th accompanied by widespread and locally heavy rain; many stations recorded more than 1 in. during the day. As the westerly regime became established, vigorous depressions from the Atlantic moved across the country on the 17th and 18th giving two almost sunless days with widespread rain and gales.

A large amplitude upper trough, which had formed on the western Atlantic by a cold outbreak down the Davis Strait three days previously, moved steadily across the British Isles on the 19th in the wake of the two depressions. As pressure over the country rose and surface winds veered towards the north-west, weather became brighter and colder, with scattered showers and local thunderstorms. Ground frost was widespread on the 20th, and apart from a belt of slight frontal rain which moved across the country later that day, weather remained generally bright and rather cold with scattered thundery showers until the 22nd. The next day a frontal system to a deep depression off the north of Scotland brought dull weather with slight rain to most districts of the British Isles, and the dull wet weather was maintained on the 24th and 25th as waves moved north-east over the country along the cold front. There was a short break in the wet weather on the 26th as the cold front cleared the country, but more active fronts approached from the north-west the same day and these in turn became slow moving and developed waves. Rainfall was heavy in western districts and during the period 26th–29th a total of 12.71 in. of rain was recorded near Blaenau Ffestiniog, Merionethshire and floods occurred in parts of Wales and north-west England. Wide-

spread gales developed on the last day of the month as a deep depression moved towards north Scotland; rain was widespread and heavy locally and there were scattered thunderstorms.

Pressure and Wind. Mean pressure at 9 h. was above average everywhere except in the north of Scotland; the departure from the mean ranged from +4.1 mb. at Newquay and Oxford to -3.1 mb. at Lerwick. Winds were mainly between west and north-west during the first five days, remaining light but becoming mainly southerly from 6th to 15th. During the second half of the month fresher south-westerly winds predominated, although wind veered temporarily towards the north-west on the 19th, 22nd, 26th and 30th. Gales occurred on 13 days, being widespread on the 17th and 18th and fairly widespread on the 31st. Gusts of 70 kt. were recorded at Stornoway on the 27th and 72 kt. at Grimsetter on the 2nd.

Temperature. Mean temperature exceeded the 1921–50 average by 1.4°F. in England and Wales, 1.2°F. in Scotland and 0.6°F. in Northern Ireland. In most districts the mean maximum and minimum temperatures were almost equally above their respective averages, the greatest excess occurring in south-east England. Frost was widespread on the 20th, when screen temperatures fell to 20°F. at Castle Douglas, and to 29°F. at Durham and Totnes and ground temperature to 17°F. at Eskdalemuir.

Extreme temperatures for the month included:—(England and Wales) 70°F. at several places in the south of England on the 8th, 10th, 13th and 14th, 27°F. at Shardlow Hall on the 20th; (Scotland) 65°F. at Strathy and Dyce on the 6th and at Gordon Castle on the 5th, 6th and 7th, 20°F. at Castle Douglas on the 20th; (Northern Ireland) 64°F. at Ballykelly on the 9th, 33°F. at Aldergrove on the 1st and at Garvagh on the 20th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 74 over England and Wales, 108 over Scotland and 118 over Northern Ireland. It was less than half the average over much of Kent, Surrey and Sussex, over an area extending from Monmouthshire to Leicestershire, over the eastern half of East Anglia and over the eastern counties of Scotland north of the Tay. Rainfall was above the average over North Wales, north-west England and the western half of Scotland.

Among the heavier falls in 24 hr. were:—

- 26th 2.62 in. at Corris (Clinws Camp), Montgomeryshire.
- 27th 2.17 in. at Loch Hourn (Kinlochourn), Inverness-shire.
- 28th 2.97 in. at Rhondda W.W. (Llyn Fawr Reservoir), Glamorgan-shire.
- 29th 4.14 in. at Blaenau Ffestiniog (Llechwedd Quarry), Montgomeryshire.

Thunder occurred over a wide area in the Midlands and south of England on the 19th–21st and there were reports of local thunder on the 16th, 22nd and 31st.

Snow and sleet showers occurred locally over high ground in Scotland.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 87 in England and Wales, 82 in Scotland and 71 over Northern Ireland. Few stations had more than their average amount of sunshine but among these were Berwick-on-Tweed and Huddersfield with 110 and 112 per cent. respectively.

Fog. Early morning fog was prevalent during the second week of the month and this persisted throughout the day in some midland districts on the 8th and 9th.

Miscellaneous Phenomena. The aurora was visible in Scotland on 15 nights; it was also seen from stations as far south as Waterbeach and Shawbury on the 20th and 21st.

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TABLE I—DISTRICT VALUES—OCTOBER, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	65	25	+0.8	+1.0	+0.9	—	—	113	+3	77
Eastern										
1 SCOTLAND, E.	65	25	+1.7	+1.5	+1.6	—	—	57	-3	87
2 ENGLAND, N.E.	67	29	+1.0	+0.6	+0.8	+2.1	+0.3	64	-4	92
3 ENGLAND, E.	66	29	+1.0	+1.3	+1.2	+0.8	-0.1	56	-5	87
4 MIDLAND COUNTIES	69	27	+1.7	+1.5	+1.6	+1.4	+0.5	59	-4	82

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	70	29	+2.1	+2.2	+2.1	+1.1	+0.7	58	-7	96
Western										
6 SCOTLAND, W.	64	20	+0.7	+1.3	+1.0	+1.1	-0.3	122	+2	81
7 ENGLAND, N.W. (and N. Wales)	69	30	+1.2	+1.2	+1.2	+1.4	+0.2	113	-1	83
8 ENGLAND, S.W. (and S. Wales)	70	28	+1.4	+1.1	+1.3	+1.7	+0.9	73	-2	79
NORTHERN IRELAND	64	33	+0.3	+0.9	+0.6	—	—	—	0	71

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—OCTOBER, 1957

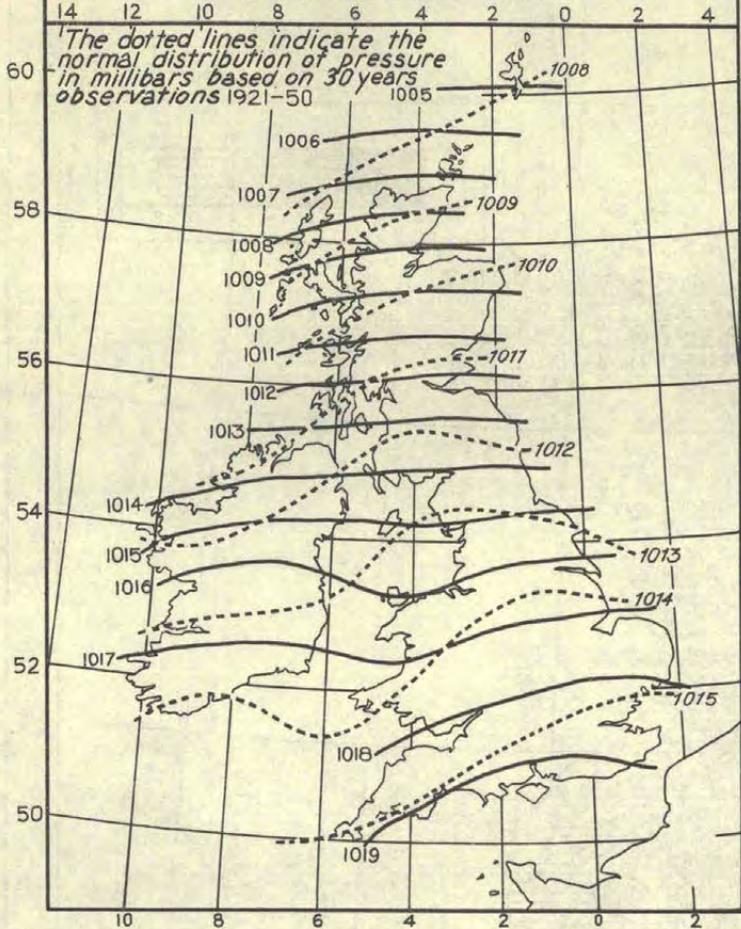
[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	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	Day and Time		
																			hr.	hr.
SCOTLAND																				
0 Shetland Lerwick	310	53	37	**	2, 12, 13, 23	23	22	174	372	151	24	0	16.7	340	44	2	22	68	2	2105
Orkney Grimsetter	134	50	33		2	6	17	88	440	206	4	0	14.5	260	46	2	20	72	2	1930
Calthness Halkirk																				
Ross & Cromarty																				
Stornoway (Coastguard)	120	40	36	*	2, 7, 12, 17	42	26	186	399	104	13	0	18.5	230	48	27	11	70	27	1055
Inverness Benbecula	69	51	35		12, 27, 31	10	21	199	413	115	7	0	17.5	230	40	27	11	63	27	1120
1 Aberdeen Dyce	225	40	40			0	4	8	200	350	186	0	7.6	290	26	2	22	44	2	2205
Angus Bell Rock Lighthouse	128	131	124	g		0	3	26	254	374	90	0	9.3	230	31	27	14	45	27	1300
File Leuchars	79	41	41			0	5	20	239	345	140	0	9.1	220	31	27	16	53	27	1515
Midlothian Edinburgh	485	39	23			0	5	20	239	345	140	0	9.1	220	31	27	16	53	27	1515
6a Argyll Tiree	89	60	47		27, 31	8	21	179	392	134	31	0	16.3	240	41	31	24	67	31	2350
Bute Millport	50	34	34		23, 31	3	11	53	382	232	74	0	12.2	210	35	31	23	52	23	0545
Renfrew Paisley	188	81	31			0	1	1	127	399	217	0	6.4	180	23	31	23	49	31	2315
Renfrew	71	41	39			0	3	26	278	353	87	0	9.7	210	32	31	24	53	31	2330
Ayr Prestwick	80	50	40			0	1	1	162	400	181	0	7.2	260	23	23	10	44	31	1320
Dumfries Eskdalemuir	825	50	35			0	4	22	201	328	193	0	8.1	240	30	27	19	49	27	1840
ENGLAND and WALES																				
6b Isle of Man Point of Ayre	70	40	35			0	12	77	283	295	89	0	11.1	310	30	21	21	47	31	2330
2 Durham Durham	389	53	33			0	0	0	157	341	219	27	6.6	260	21	5	05	44	2	2210
South Shields	73	57	44			0	1	1	200	406	137	0	7.8	260	22	5	06	36	5	0245
Yorks., N.R. Linton-on-Ouse	73	27	33	i*		0	7	29	318	311	86	0	10.5	250	33	17	20	45	19	0035
Yorks., E.R. Spurn Head	64	44	34			0	1	1	136	268	339	0	5.5	230	23	18	24	40	18	2315
Lincoln Cranwell	288	47	47			0	1	4	146	336	241	17	6.2	160	26	17	21	39	17	1955
3 Norfolk Gorleston	52	42	34			0	1	4	172	292	276	0	6.4	190	28	17	21	40	17	2030
Suffolk Felixstowe	85	75	65			0	1	4	172	292	276	0	6.4	190	28	17	21	40	17	2030
Mildenhall	98	83	60			0	1	1	119	315	309	0	5.7	250	23	17	23	43	17	2220
Bedford Cardington	285	150	135		17	1	6	18	218	245	262	0	7.7	220	37	17	22	52	17	2045
Dunstable	567	55	33			0	2	5	183	408	148	0	7.3	240	24	17	21	36	17	1735
Herts. Stevenage	564	111	65			0	1	6	222	391	125	0	8.2	230	25	17	22	45	17	2115
Essex Shoeburyness	115	104	89			0	3	13	328	380	23	0	10.6	140	31	17	21	45	17	2040
4 Warwick Birmingham	643	118	73			0	1	1	125	438	180	0	6.5	250	23	17	22	40	17	2140
Stafford Keele	706	50	40			0	0	0	126	285	333	0	5.3	230	20	18	22	44	18	2140
Gloucester Avonmouth	92	61	33		17	1	5	16	225	239	263	0	7.7	230	34	17	20	48	17	1920
5 London Kingsway	231	160	40			0	0	0	81	380	283	0	5.2	290	17	17	22	31	17	2150
Middlesex Hampton	139	101	100			0	1	1	134	311	298	0	5.6	230	22	17	21	39	17	2205
Surrey Croydon	313	105	70			0	2	9	243	244	248	0	7.6	190	27	17	20	44	18	1245
Kew Observatory	92	75	50			0	0	0	144	440	160	0	6.7	230	20	17	22	47	17	2155
Kent Dover	66	36	60			0	3	6	149	290	299	0	6.1	210	25	17	20	49	17	1940
Dungeness	70	50	33		17	1	9	72	219	349	63	40	10.6	220	34	17	22	46	17	2130
Isle of Grain	48	40	33			0	2	5	156	417	166	0	7.4	220	25	17	22	44	17	2105
Sussex Thorney Island	75	65	42			0	1	2	164	286	292	0	6.3	220	25	18	11	44	18	1100
Hants. S. Farnborough	318	69	35			0	0	0	142	168	434	0	4.6	250	18	17	22	38	17	1935
Berks. Abingdon	250	40	40			0	1	2	188	263	291	0	6.4	210	26	17	20	43	17	1920
Wiltshire Larkhill	491	51	36			0	1	3	164	387	190	0	6.9	220	24	17	19	43	17	1855
Porton	406	44	44			0	3	7	129	348	260	0	6.2	220	29	17	19	43	17	1915
7a Cumberland Sellafield	83	39	35	g		0	3	7	129	348	260	0	6.2	220	29	17	19	43	17	1915
Westmorland Moor House	1960	50	45			0	19	132	340	173	51	48	14.5	280	33	2	20	49	20	2240
Lancashire Fleetwood	112	50	31		18	1	10	51	304	291	97	0	11.1	300	34	18	23	52	18	1915
Southport	63	45	36			0	12	58	243	310	133	0	9.6	220	32	18	20	48	18	1945
Speke	180	100	65		18	2	9	47	338	258	99	0	11.2	250	37	18	21	51	18	2030
Cheshire Bidston Observatory	262	64	39			0	8	25	234	366	119	0	—	290	33	18	23	62	18	2156
Manchester Airport	318	70	30			0	3	8	291	363	82	0	9.3	170	27	17	18	48	18	2120
7b Anglesey Holyhead (Valley)	76	50	40		18, 31	5	13	137	241	212	149	0	12.4	240	38	18	19	56	18	2028
8a Cardigan Aberporth	483	41	41			0	9	56	294	242	152	0	10.5	290	32	17	19	53	17	1500
Pembroke Kete	249	49	37			0	4	11	225	282	226	0	7.9	280	28	17	18	50	17	1715
Milford Haven	246	50	35			0	4	11	225	282	226	0	7.9	280	28	17	18	50	17	1715
Glamorgan Port Talbot	91	40	35		17	2	9	55	310	268	1									

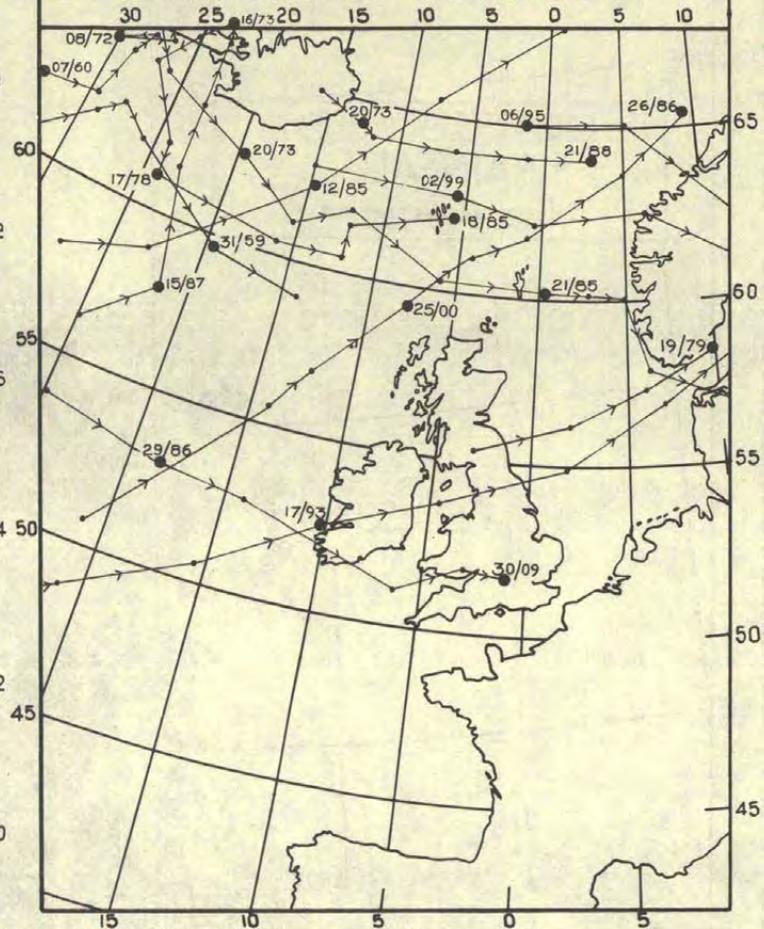
MONTHLY WEATHER CHARTS

OCTOBER 1957

1. MEAN PRESSURE 9 A.M.

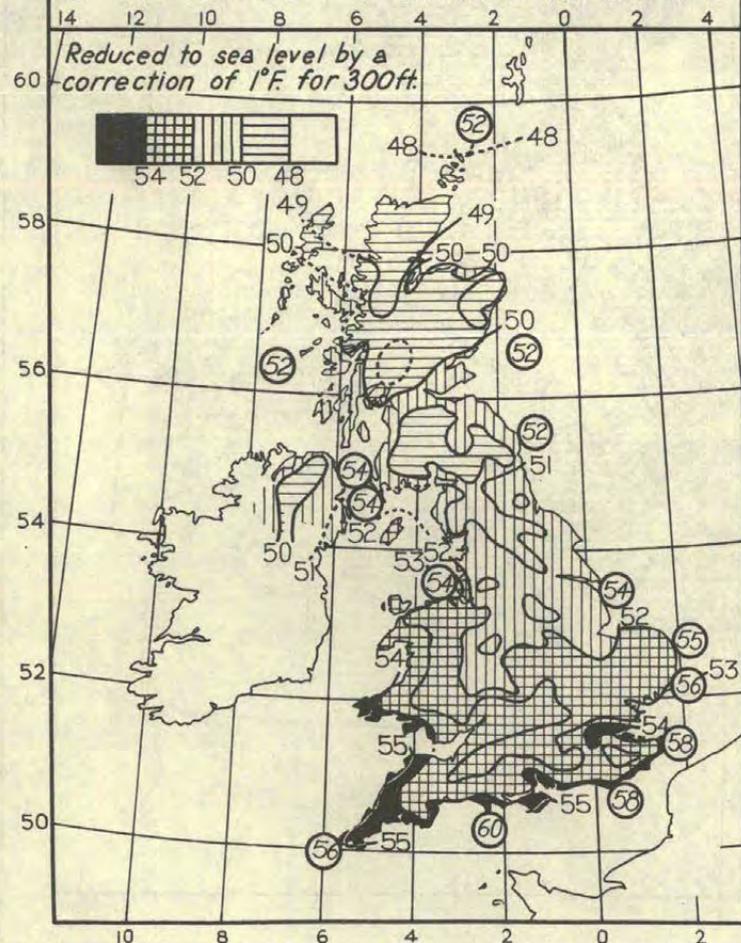


2. MOVEMENTS OF DEPRESSIONS



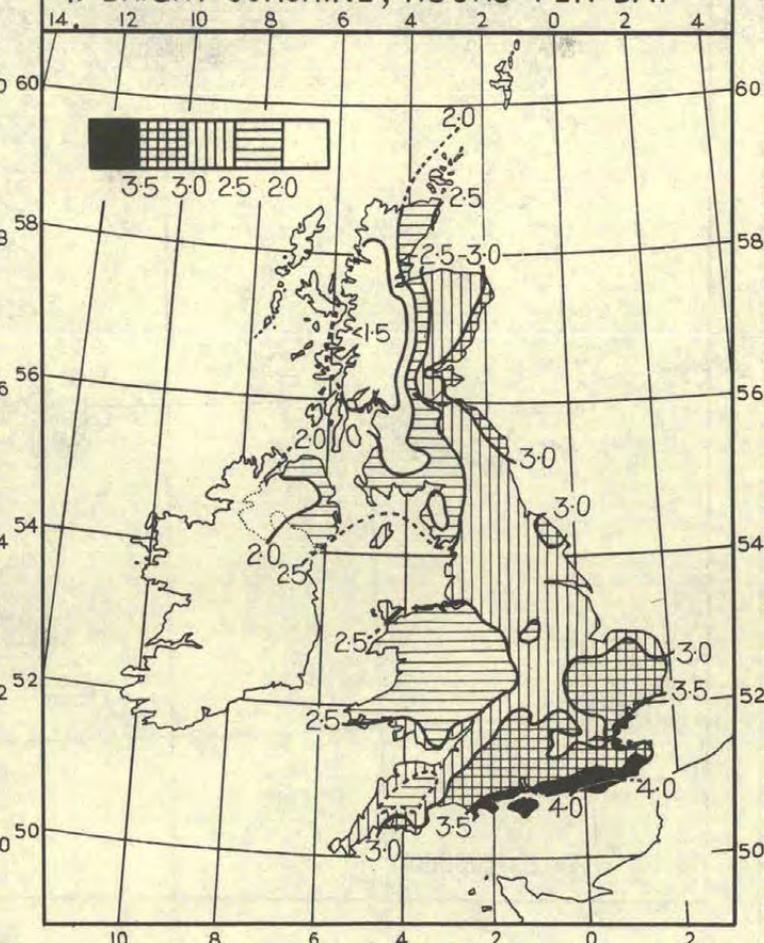
Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

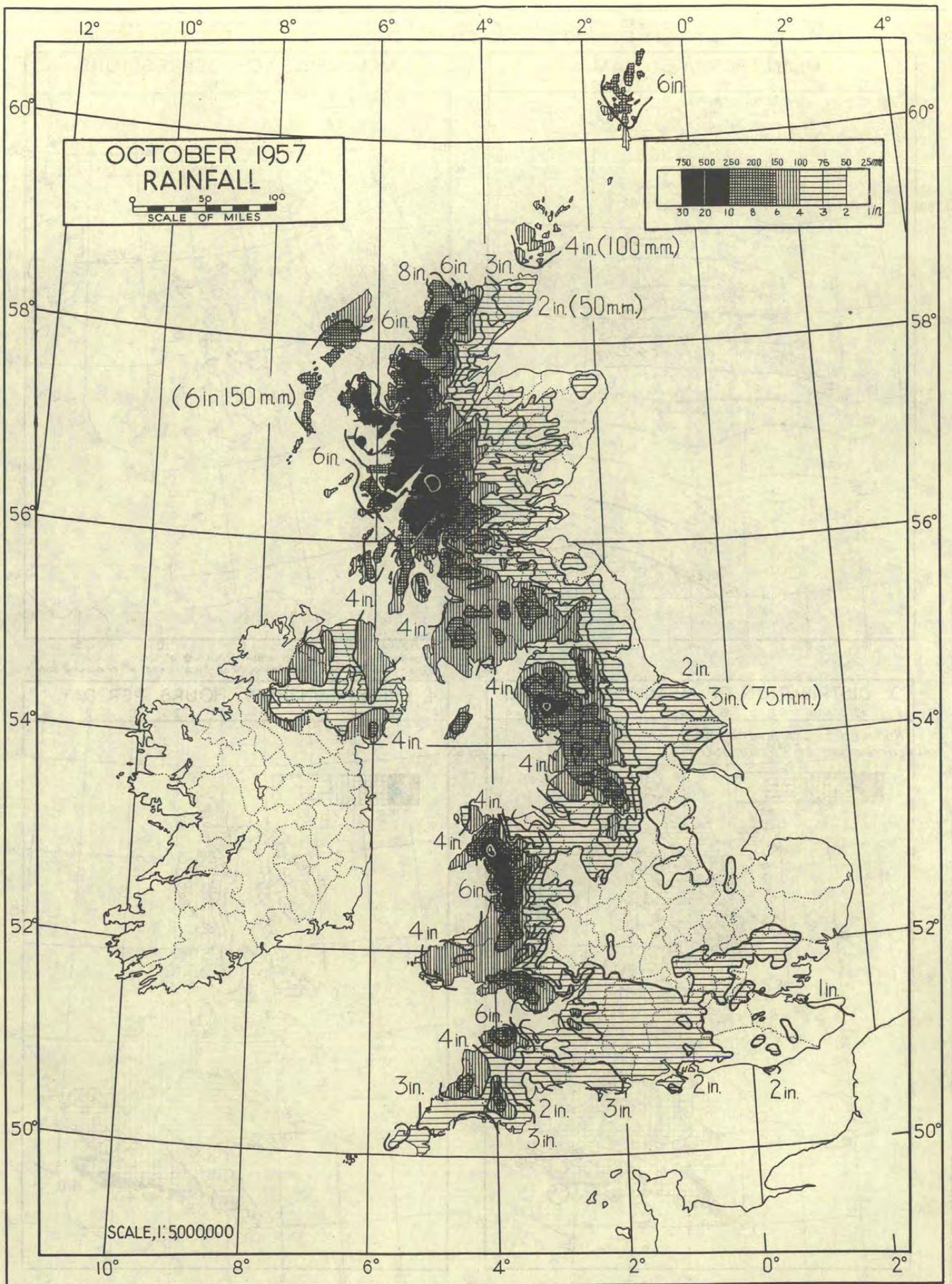
3. DISTRIBUTION OF MEAN TEMPERATURE



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 10 in = 254 mm

TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1957

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean, Difference from Average, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather (Number of days for various conditions); and Bright Sunshine (Daily Mean, Percentage of Average).

* Faskally.

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1957

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 Temperature of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.01 in. (0.2 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date			
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%			
4 MID COUNTIES—cont.																														
Warwick—	Rugby ..	9 9 9	385	58.7	44.4	51.5	—	67	10	35	20	52.2	—	1.71	—	.54	28	12	5	0	0	0	0	0	0	0	3	0	—	—
cont.	Shipston on Stour	9 9 9	365	58.0	45.4	51.7	—	66	10	36	20	52.2	—	1.12	—	.28	16	13	8	0	0	0	0	4	0	0	6	0	0	—
	Stratford on Avon	9 9 9	160	59.7	43.2	51.5	—	67	10	34	12, 20	52.9	—	1.31	52	.25	16	13	10	0	0	0	0	6	0	10	0	0	2.33	—
	Wellesbourne ..	9 9 9	153	58.7	43.5	51.1	—	67	10	31	20	51.6	53.6	1.20	47	.27	31	12	9	0	0	0	0	8	1	0	0	0	2.40	—
Oxford	Oxford ..	9 9 9	208	59.6	45.6	52.6	+1.8	66	14	36	20	53.2	55.2	2.06	71	.51	16	14	8	0	0	0	3	0	3	0	3	0	3.00	90
Buckingham	Aylesbury ..	9 9 9	316	59.0	45.2	52.1	—	66	10, 13, 14	34	2	—	—	2.20	—	.47	16	11	8	0	0	0	0	0	0	7	0	0	—	—
Stafford	Keele ..	9 9 9	587	55.4	43.9	49.7	—	62	15	33	20	50.3	52.7	2.51	—	.50	15	14	12	0	0	0	1	4	0	3	0	2.37	—	—
	*Market Drayton	9 9 9	581	55.5	43.3	49.4	—	62	15	31	1	—	—	2.25	—	.50	15	14	14	0	0	1	0	4	1	7	0	1.97	—	—
	Oaken ..	9 9 9	409	57.2	43.0	50.1	—	64	14, 15	32	12	50.9	—	1.65	—	.35	15	14	11	—	—	—	—	3	1	5	—	—	—	—
	Stone ..	9 9 9	350	56.2	41.9	49.1	—	62	15	31	20	—	—	2.35	—	.50	15	13	10	0	0	0	0	6	1	2	0	2.07	—	—
Shropshire	Newport ..	9 9 9	211	57.0	42.9	49.9	—	63	15	31	20	—	—	1.99	75	.58	15	14	9	0	0	0	0	3	2	7	—	2.14	—	S
	Oswestry ..	9 9 9	570	56.4	44.4	50.4	—	64	15	36	20	—	—	2.30	—	.62	15	14	9	0	0	0	1	0	0	1	0	1	2.15	—
	Shawbury ..	21-9 9	235	57.1	43.9	50.5	—	63	15	30	20	—	—	1.57	—	.53	15	14	8	0	0	1	0	5	2	7	0	1.94	—	—
	Shrewsbury ..	9 9 9	184	57.6	45.0	51.3	—	64	15	32	20	53.3	56.6	1.79	64	.54	15	14	11	0	0	0	0	5	1	2	0	2.13	—	—
Worcester	Defford ..	21-9 9	55	58.5	43.8	51.1	—	66	15	32	20	—	—	1.00	—	.24	16, 21	9	8	0	0	0	0	7	1	9	0	2.33	—	—
	Droitwich ..	9 9 9	106	58.5	42.5	50.5	—	66	15	33	17	—	—	1.07	—	.19	16	13	12	0	0	0	0	1	0	—	0	2.08	—	—
	Halesowen ..	9 9 9	505	56.8	43.4	50.1	—	64	14, 15	32	8	51.3	53.6	1.46	—	.29	16	15	11	0	0	0	0	4	1	4	0	2.17	—	—
	Malvern ..	9 9 9	203	58.4	46.2	52.3	+1.7	65	15	36	20	53.2	55.3	1.10	37	.25	31	13	9	0	0	0	0	5	0	0	0	2.50	74	S
	Pershore (Institute of Horticulture)	9 9 9	130	—	45.3	—	—	—	—	36	12, 16	—	—	1.09	—	.25	31	12	8	0	0	0	0	6	0	1	0	2.37	—	—
	Worcester (Redhill)	9 9 9	190	58.4	44.8	51.6	—	67	6	32	20	—	—	1.04	41	.18	29	11	9	0	0	0	0	6	1	0	0	2.25	—	—
Hereford	Lyonshall ..	9 9 9	510	56.7	44.9	50.8	—	62	5, 15	34	20	—	—	1.69	—	.35	15	17	12	—	—	—	—	—	0	5	—	—	—	—
	Preston Wynne ..	9 9 9	274	58.2	43.4	50.8	—	65	15	29	20	—	—	1.26	—	.22	29	15	9	0	0	0	1	6	1	1	0	2.31	—	—
	Ross-on-Wye	21-9 9	223	58.7	46.2	52.5	+1.9	66	15	36	2, 20	52.7	55.1	1.29	39	.19	15	13	9	0	0	0	0	7	0	3	1	2.26	72	—
Gloucester	Bristol (Filton) ..	21-9 9	192	58.9	46.7	52.8	—	67	14	33	20	—	—	2.74	—	.52	29	12	10	0	0	1	1	1	0	4	1	2.74	—	—
	Cirencester ..	9 9 9	443	57.8	44.2	51.0	—	65	15	32	20	—	—	2.10	61	.49	29	13	11	0	0	0	0	4	1	6	1	2.86	—	—
	Little Rissington	21-9 9	740	56.1	45.9	51.0	—	64	10	36	20	—	—	1.81	—	.34	29	14	9	0	0	0	0	5	0	1	1	2.98	—	—
	Ruscombe ..	9 9 9	610	57.7	45.0	51.3	—	64	14, 15	33	20	—	—	2.03	—	.37	29	13	10	0	0	0	0	4	0	—	0	—	—	—
5 ENGLAND, S.E.																														
London	Bunhill Row ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.45	96	—
	Camden Square ..	9 9 9	110	61.6	47.6	54.6	+2.2	70	13	39	20	53.0	54.8	1.99	76	.70	16	9	9	—	—	—	—	—	0	1	—	—	—	—
	Greenwich (Maritime Museum)	9 9 9	24	60.0	47.1	53.5	—	66	13, 14	37	20	—	—	1.64	—	.58	16	9	9	—	0	—	—	—	0	1	—	2.53	—	—
	Hampstead ..	9 9 9	450	58.5	46.6	52.5	+2.3	66	13	37	20	—	—	2.00	71	.65	16	10	9	0	0	0	1	—	0	1	0	3.05	94	—
	Kensington ..	9 9 9	81	60.5	47.9	54.2	+1.7	68	13	39	20	53.9	56.2	1.82	70	.62	16	9	9	0	0	0	0	—	0	1	0	—	—	—
	Kingsway ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.75	—	—
	Regent's Park ..	9 9 9	129	60.8	47.6	54.2	—	68	13, 14	39	20	—	—	2.05	—	.77	16	9	8	0	0	0	1	0	3	—	2.48	93	—	—
	Westminster ..	9 9 9	27	60.3	48.8	54.5	+1.6	66	13, 14	38	20	—	—	1.84	76	.64	16	9	9	0	0	0	0	—	0	0	—	—	—	—
Middlesex	Hampton ..	9 9 9	39	60.4	46.7	53.5	—	70	14	38	20	—	—	1.79	—	.67	16	11	7	0	0	0	0	6	0	1	0	3.18	—	—
	London Airport ..	21-9 9	82	59.8	46.7	53.3	—	68	14	35	20	—	—	1.85	—	.64	16	8	7	0	0	0	0	6	0	2	0	2.77	—	—
	Southgate ..	9 9 9	221	—	—	—	—	—	—	—	—	—	—	2.02	—	.56	16	9	9	—	—	—	—	—	—	—	—	2.34	—	—
	Wealdstone ..	9 9 9	175	59.7	45.1	52.4	+1.3	66	13, 14	30	20	52.2	55.1	1.99	69	.71	16	12	8	0	0	0	1	5	1	4	0	—	—	—
Surrey	Addington ..	9 9 9	474	58.4	46.7	52.5	+2.0	67	13	39	2, 4, 20	—	—	1.73	—	.54	16	10	7	—	—	—	—	—	0	0	—	—	—	—
	Croydon ..	21-9 9	201	59.3	46.8	53.1	+1.5	67	13, 14	38	2	—	—	1.58	52	.48	16	9	8	0	0	0	0	1	0	1	0	3.04	92	—
	Farnham ..	9 9 9	260	60.5	43.5	52.0	—	70	13	30	20	—	—	1.90	—	.44	17	11	9	0	0	0	0	9	1	1	1	—	—	—
	Kew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Observatory	21-9 9	18	59.1	47.9	53.5	+1.9	67	14	36	20	53.7	55.8	1.84	68	.69	16	9	7	0	0	0	0	6	0	5	0	3.08	101	—
	Mickleham ..	9 9 9	179	59.9	42.9	51.4	—	68	14	31	20	—	—	1.78	—	.46	17	9	8	0	0	0	0	—	2	4	—	—	—	—
	Wisley ..	9 9 9	150	59.8	45.3	52.5	+1.6	67	13, 14	36																				

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1 in. (0.2 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average			
			A Max.	B Min.			Maximum	Date	Minimum					Date	Amount												Date		
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
5 ENGLAND, S.E.—cont.																													
Sussex—cont.	Worthing ..	9 9 9	25	59.8	49.2	54.5	+1.6	65	14	39	20	54.0	56.8	1.51	42	.54	17	12	8	0	0	0	0	0	0	0	0	3.89	97
Berkshire	Abingdon ..	21-9 9	210	59.6	45.5	52.5	-	67	13, 14	30	20	-	-	1.90	-	.42	16	11	8	0	0	0	0	5	1	2	0	2.72	-
	Finchampstead ..	9 9 9	212	59.3	43.1	51.2	-	68	13, 14	32	20	-	-	2.01	-	.55	16	9	8	0	0	0	0	5	1	4	0	2.93	- S
	Hurley ..	9 9 9	140	59.7	44.0	51.9	-	67	10, 12, 14	29	20	52.4	-	1.94	-	.47	16	12	9	0	0	0	0	7	1	2	0	2.77	-
	Reading ..	9 9 9	148	59.4	46.1	52.7	+1.4	68	13, 14	34	20	54.0	56.2	2.11	-	.51	16	14	9	0	0	0	0	0	0	3	-	-	-
	Shinfield ..	9 9 9	200	59.2	45.1	52.1	+1.6	68	14	34	20	-	-	2.02	67	.46	16	10	9	0	0	0	0	0	0	2	0	3.15	-
	Wokingham ..	9 9 9	200	59.6	44.3	51.9	-	69	13	31	20	53.9	55.7	1.93	-	.58	16	9	8	0	0	0	0	4	2	-	-	-	
	Woolhampton ..	9 9 9	370	58.3	44.5	51.4	-	66	10, 13, 14	33	20	53.2	-	2.16	-	.49	16	13	10	0	0	0	0	5	0	1	1	-	-
Hampshire	Alice Holt Lodge ..	9 9 9	378	58.8	44.8	51.8	-	68	14	35	20	-	-	1.84	50	.53	17	8	8	0	0	0	0	0	3	0	2	2.87	-
	Blackbushe ..	21-9 9	325	59.3	46.2	52.7	-	69	13	36	20	-	-	2.05	-	.49	16	9	8	0	0	0	0	4	0	2	0	-	-
	Bournemouth ..	9 9 9	130	59.7	47.1	53.4	+1.3	65	14	37	2, 20	53.6	56.3	2.44	57	1.10	17	15	9	0	0	0	1	6	0	1	0	3.72	100
	Everton ..	9 9 9	51	59.6	46.8	53.2	-	65	13, 14	32	20	-	-	2.60	-	.94	17	11	11	0	0	0	1	2	1	1	0	3.58	-
	Hayling Island ..	9 9 9	13	59.5	48.7	54.1	-	65	14	37	20	-	-	1.74	-	.58	17	12	8	0	0	0	0	0	0	0	0	3.82	-
	Leckford ..	9 9 9	385	59.2	45.0	52.1	-	67	13, 14	35	20	52.3	-	2.20	-	.50	17	11	8	0	0	0	0	0	0	0	0	3.20	-
	Long Sutton ..	9 9 9	512	57.7	-	-	-	65	13, 14	-	-	52.1	-	2.30	-	.44	18	9	9	0	0	0	0	8	4	1	2	2.80	83
	Portsmouth ..	9 9 9	7	59.7	50.2	54.9	+1.4	65	14	42	20, 23	55.8	57.9	1.71	46	.64	17	11	9	0	0	0	1	0	1	1	0	3.69	94
	Ringwood ..	9 9 9	250	59.9	46.3	53.1	-	67	13, 14	36	20	53.5	56.2	2.70	-	1.03	17	15	9	0	0	0	0	0	2	-	-	-	
	Southampton ¶	2121 9	65	61.7	47.5	54.6	+2.5	68	14	35	20	-	-	2.39	61	.96	17	13	9	0	0	0	0	1	0	0	0	3.21	88
	S. Farnborough ..	21-9 9	226	59.3	45.9	52.4	+1.7	68	13, 14	31	20	-	-	1.59	50	.40	18	9	7	0	0	0	0	3	1	4	0	2.66	77
	Winchester ..	9 9 9	124	60.4	42.8	51.6	-	68	13, 14	30	20	-	53.4	2.58	-	.81	17	11	9	0	0	0	0	0	2	0	0	3.20	- S
L of Wight	Newport ..	9 9 9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ryde ..	9 9 9	15	59.9	49.6	54.7	+1.4	64	30	39	20	-	-	2.18	-	.56	17	14	9	0	0	0	0	0	0	0	0	3.48	89
	Sandown ..	9 9 9	13	60.8	50.0	55.4	+1.8	64	13, 14, 15	41	23	-	-	2.58	-	.68	17	14	10	0	0	0	0	0	0	0	0	3.95	100
	Shanklin ..	9 9 9	180	59.0	48.5	53.7	-	62	10, 14, 16	39	2	-	-	3.06	-	.69	29	15	10	0	0	0	0	1	0	-	0	3.81	-
	Ventnor Park ..	9 9 9	443	59.9	50.6	55.3	-	64	13	42	23	56.0	57.1	2.87	72	.79	17	15	11	0	0	0	0	0	0	0	0	3.77	-
Wiltshire	Boscombe Down ..	21-9 9	414	58.9	46.1	52.5	-	67	13, 14	32	20	-	-	2.39	79	.54	17	11	8	0	0	0	0	4	1	3	0	3.03	-
	Lacock(Lackham) ..	9 9 9	160	59.7	-	-	-	69	13	-	-	-	-	2.55	-	.43	16	12	12	0	0	0	0	1	-	0	-	-	
	Larkhill ..	9 9 9	431	58.7	45.0	51.9	+1.9	67	13, 14	32	20	-	-	2.38	80	.52	17	12	8	0	0	0	0	2	1	3	0	-	-
	Lyneham ..	21-9 9	457	58.1	46.1	52.1	-	67	14	35	20	-	-	2.47	-	.51	26	12	9	0	0	0	0	5	0	2	0	3.01	-
	Porton .. ¶	9 9 9	362	59.3	44.8	52.1	+2.3	68	13	32	20	53.1	-	2.38	74	.70	17	11	8	0	0	0	0	5	1	3	0	3.07	87
	Upavon ..	21-9 9	578	58.0	45.8	51.9	-	66	13, 14	33	20	-	-	2.26	-	.48	26	12	10	0	0	0	0	6	0	3	0	-	-
	West Lavington ..	9 9 9	305	59.5	43.1	51.3	-	67	13	31	2	-	-	2.45	-	.45	17	12	12	0	0	0	0	2	1	-	-	-	
7a ENGLAND, N.W.																													
Cumberland	Alston ..	9 9 9	1070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Keswick .. ¶	9 9 9	254	55.9	44.1	50.0	+0.6	62	14	32	20	51.5	53.7	6.29	112	.98	25	17	15	0	0	1	0	2	1	5	0	1.75	75
	Newton Rigg ..	9 9 9	560	54.9	43.1	49.0	+1.5	61	8, 14	30	20	-	-	3.33	90	.66	29	18	14	0	0	0	1	1	5	0	0	2.46	89
	Sellafield ..	9 9 9	43	56.2	46.7	51.5	-	61	6, 8, 14	38	1	-	-	4.60	-	.70	30	18	16	-	-	-	-	0	0	0	-	2.36	-
	Silloth ..	21-9 9	25	55.3	46.5	50.9	-	60	8, 14, 15	33	20	-	-	3.74	-	.65	18	18	15	0	0	0	0	0	3	0	0	1.84	-
Westmorland	Ambleside ..	9 9 9	151	55.9	44.7	50.3	-	63	8	33	20	-	-	9.64	137	1.34	20	22	18	0	0	0	0	0	0	0	0	1.87	-
	Moor House ..	9 9 9	1840	49.7	39.4	44.5	-	64	9	30	1	45.5	-	8.12	-	1.26	18	20	17	0	0	0	0	4	3	6	0	2.66	-
Lancashire	Bolton ..	9 9 9	342	55.7	43.3	49.5	0.0	64	8	32	20	51.4	52.7	5.87	133	1.22	29	19	17	0	0	0	0	3	1	1	-	-	
	Burnley ..	9 9 9	458	55.6	43.6	49.6	+1.0	65	8, 15	32	1	50.7	52.7	5.25	-	.95	29	18	18	0	0	0	0	1	7	0	-	-	
	Darwen ..	2121 9	724	54.6	44.3	49.5	+1.3	63	8	36	1, 2	50.0	50.6	8.29	169	1.50	28	19	17	0	0	2	0	1	0	3	0	-	-
	Helmshore ..	9 9 9	854	54.0	43.8	48.9	-	62	8, 15	35	20	49.5	-	8.70	-	1.41	29	20	19	0	0	0	0	9	0	7	-	2.74	-
	Kirkham ..	9 9 9	77	57.1	45.6	51.3	-	65	15	35	1	-	-	5.32	140	1.06	29	16	14	0	0	2	0	0	1	0	0	2.64	-
	Manchester (Whitworth Pk.) ¶	2121 9	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Morecambe ..	9 9 9	24	56.8	46.5	51.7	+1.2	63	15	39	1	-	-	6.57	171	1.76	29	16	16	0	0	0	0	3	0	0	0	2.42	77
	Nelson ..	9 9 9	540	55.5	43.5	49.5	-	66	8	35	1	50.2	51.9	6.91	173	1.34	28	20	18	-	-	-	2	0	2	-	-	-	
	Poulton-le-Fylde ..	9 9 9	38	57.3	45.5	51.4	-	65	8																				

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1957

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		Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n 0.01 in. (0.2 mm) or more	Precip'n 0.04 in. (1.0 mm) or more	Snow or Sheet	Snow lying	Hail	Thunder heard	Fog (9h. C.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average						
			A Max.	B Min.	Mean of A and B	Mean of A and B	Maximum	Date	Minimum	Date																		in.	%	in.	in.	in.	in.
			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
8a SOUTH WALES																																	
Cardigan	Aberporth ..	21-9 9	376	56.6	49.0	52.8	-	64	8, 14	40	I	-	-	3.98	88	1.09	15	16	11	0	0	1	0	0	0	0	1	0	0	0	0	2.50	-
	Aberystwyth ..	9 9 9	12	57.7	48.3	53.0	-	68	8	37	1	-	-	5.07	122	.98	15	17	16	0	0	0	0	0	0	0	0	0	0	0	0	2.45	75
	„ Llety-evan-hen	9 9 9	950	55.2	46.3	50.7	-	67	8	37	1	-	-	9.02	-	1.95	28	20	19	0	0	0	0	0	4	0	0	5	0	0	2.04	-	
	„ P.B.S.*	9 9 9	452	57.3	47.5	52.4	-	68	8	37	1	-	-	5.21	-	.86	15	20	14	0	0	0	0	0	3	0	0	0	0	0	2.33	74	
	Gogerddan ..	9 9 9	103	58.3	45.2	51.7	-	70	8	33	1	-	-	5.74	-	.89	15	18	14	0	0	0	0	0	0	0	0	3	0	0	2.18	- S	
	Swyddfynnon ..	9 9 9	588	57.2	44.7	50.9	-	68	8	29	1	-	-	6.28	-	.93	15	22	17	0	0	1	0	0	0	1	0	0	0	0	2.40	- S	
	Trawscoed ..	9 9 9	200	59.4	46.0	52.7	-	70	8, 14	32	1	-	-	5.55	-	.98	15	21	14	-	0	0	0	0	0	0	0	0	0	0	2.40	- S	
Pembroke	Dale Fort ..	9 9 9	109	58.4	51.1	54.7	-	64	6	44	1	-	-	2.14	-	.63	15	13	10	0	0	0	0	1	0	0	0	0	0	0	2.43	-	
	Haverfordwest ..	9 9 9	131	58.5	-	-	-	61	10, 15, 16	-	-	-	-	4.38	81	.83	15	16	11	0	0	0	0	0	0	0	0	0	0	0	2.25	-	
	Milford Haven ..	9 9 9	179	57.8	48.5	53.1	-	61	6, 9, 10	40	1	-	-	3.64	-	.81	15	19	11	0	0	0	0	0	3	0	0	0	0	0	2.25	-	
	Pembroke Dock ..	21-9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Tenby ..	9 9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Radnor	Llandrindod Wells ¶§	9 9 9	772	57.2	43.4	50.3	+1.8	64	14, 15	33	15	-	-	2.96	71	.53	15	16	12	0	0	0	0	1	0	0	0	0	0	2.42	85S		
Brecknock	Llwynon ..	9 9 9	860	57.0	43.3	50.1	-	66	8	31	20	-	-	6.03	92	1.46	29	19	15	0	0	0	0	0	1	1	0	0	0	0	2.42	-	
Glamorgan	Cardiff .. ¶§	9 9 9	202	58.7	46.7	52.7	+1.4	66	11, 15	36	20	-	-	4.21	89	.69	20	17	13	0	0	0	0	5	0	3	0	0	0	2.63	77		
	Neath ..	9 9 9	153	59.4	48.2	53.8	-	67	14	34	22	-	-	5.53	-	1.33	29	17	14	0	0	0	0	1	0	1	0	0	0	2.66	-		
	Port Talbot ..	9 9 9	24	60.2	48.7	54.5	-	66	14	34	20	-	-	4.44	-	.90	29	15	12	0	0	0	0	0	0	0	0	0	0	0	2.66	-	
	Rhosee ..	21-9 9	220	57.8	46.0	51.9	-	63	11, 13	38	1, 2, 20	-	-	3.81	-	.66	31	14	12	0	0	1	0	5	0	2	2	2	2	2.47	-		
	Swansea ..	9 9 9	27	59.4	49.2	54.3	+1.2	64	15	38	20	55.2	58.4	4.82	-	1.70	29	13	12	0	0	0	0	1	0	0	0	0	0	2.76	83		
Monmouth	Newport ..	9 9 9	75	59.2	45.6	52.4	-	65	13	35	2, 20	-	-	4.96	-	.83	29	17	12	0	0	0	0	4	0	0	0	0	0	2.38	-		
	Tredegar ..	9 9 9	1028	56.1	44.4	50.3	-	63	14	32	20	-	-	3.89	-	.63	29	17	14	0	0	0	0	0	0	1	4	0	0	2.35	- S		
	Usk ..	9 9 9	70	59.7	43.5	51.6	-	66	15	28	20	53.8	-	3.00	-	.65	29	11	11	0	0	0	0	2	2	3	0	0	0	2.41	-		
8b ENGLAND, S.W.																																	
Somerset	Bath .. ¶§	9 9 9	67	60.5	45.4	52.9	+1.5	69	13, 14	31	20	54.8	56.0	2.89	88	.59	31	14	9	0	0	0	1	3	1	6	0	0	0	2.92	88		
	Bickenhall ..	9 9 9	231	59.4	44.6	52.0	-	65	29	35	2, 20	55.0	57.0	2.00	-	.58	17	14	7	0	0	0	1	5	0	4	0	0	0	3.13	-		
	Cannington ..	9 9 9	95	59.6	46.3	52.9	-	65	13, 15	36	20	-	-	2.08	-	.54	17	15	11	0	0	0	0	6	0	0	0	0	0	2.78	-		
	Long Ashton ..	9 9 9	162	59.5	45.9	52.7	+1.6	68	14	34	2	54.6	-	3.72	98	.77	31	14	10	0	0	0	0	3	0	0	0	0	0	2.69	83		
	Weston-s.-Mare ..	9 9 9	28	58.8	47.9	53.3	-	66	13	39	2	-	-	3.43	94	.56	17	13	11	0	0	0	0	6	0	0	0	0	0	2.83	85		
	Wootton Courtenay	9 9 9	486	58.5	45.6	52.1	-	66	15	37	2, 12	-	-	4.46	-	.81	29	20	13	0	0	0	0	2	0	4	1	0	0	2.74	-		
Dorset	Poole ..	9 9 9	18	45.0	-	-	-	-	-	32	2	-	-	2.51	-	1.09	17	13	10	0	0	0	0	0	1	0	0	0	0	0	3.67	-	
	Portland Bill ..	21-9 9	35	56.9	53.8	55.3	+0.7	61	10	44	2	-	-	2.63	79	1.11	17	12	8	0	0	0	1	3	0	0	0	0	0	0	2.74	-	
	Shaftesbury ..	9 9 9	680	57.9	45.6	51.7	+1.6	65	10, 13	37	2	-	-	2.79	-	.76	17	12	9	0	0	0	1	0	0	0	0	0	0	0	3.31	-	
	Swanage ..	9 9 9	34	59.4	48.6	54.0	-	63	10, 11, 30	40	2, 20, 23	-	58.7	-	-	-	-	-	-	0	0	0	0	3	0	0	0	0	0	3.31	-		
	Weymouth ..	9 9 9	16	60.9	48.7	54.8	+1.0	66	15	37	20	-	-	2.49	68	1.12	17	12	9	0	0	0	1	1	0	0	0	0	0	3.48	93		
Devon	Chivenor ..	21-9 9	20	60.4	49.6	55.0	-	70	10	38	1	-	-	4.28	-	.65	15	16	12	0	0	1	0	2	0	1	0	0	0	3.03	-		
	**East Budleigh ..	9 9 9	64	59.7	45.2	52.5	-	65	3, 11	31	20	-	-	1.96	-	.67	17	15	9	0	0	0	0	2	1	1	0	0	0	2.74	-		
	Exeter ..	21-9 9	106	59.8	46.0	52.9	-	67	10	31	20	-	-	1.71	-	.49	17	11	8	0	0	1	0	3	1	3	0	0	0	2.60	-		
	Exmouth ..	9 9 9	195	58.8	47.0	52.9	+0.8	63	3, 11	37	20	-	-	1.85	-	.61	17	12	9	0	0	0	0	1	0	0	0	0	0	3.12	88		
	Hartland Pt. ..	21-9 9	298	57.6	51.3	54.5	-	69	15	46	17	-	-	4.55	-	.70	15	16	12	0	0	0	0	5	0	0	1	0	0	2.67	-		
	Ilfracombe ..	9 9 9	25	59.5	52.5	56.0	+2.0	67	15	45	12, 20	56.6	58.3	5.08	111	.89	29	15	13	0	0	0	0	2	0	0	0	0	0	2.98	93		
	†Newton Abbot ..	9 9 9	272	59.5	47.4	53.5	+1.5	66	10	36	20	-	-	2.45	59	.75	17	14	10	0	0	0	1	3	0	0	0	0	0	2.74	-		
	Paignton ..	9 9 9	8	60.1	48.8	54.5	-	64	3, 10, 15	39	20	-	-	2.86	-	.85	17	14	9	0	0	0	1	0	0	0	0	0	0	2.64	71		
	Plymouth (Mount Batten)	21-9 9	87	59.3	49.2	54.3	+0.9	66	15	35	20	-	-	2.79	70	.78	17	13	9	0	0	0	0	1	0	3	0	0	0	3.50	95		
	Plymouth (The Hoe)	9 9 9	119	59.9	48.7	54.3	+0.8	67	15	37	20	54.8	57.2	2.73	69	.76	17	13	9	0	0	0	0	0	0	0	2	1	0	3.47	93		
	Princetown ..	9 9 9	1359	54.4																													

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1957

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					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	0-44 yd.	45-210 yd.	220-430 yd.	440-1,000 yd.	1,100-2,100 yd.	2,200-4,300 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	4 or more	3 to 7	2 to 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.															
			ft.	mb.	mb.	°F.	°F.	mb.	%	0	1	2	3	4	5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,000 yd.	1,100-2,100 yd.	2,200-4,300 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	34 or more	22 to 33	11 to 21	1 to 10	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.										
0 SCOTLAND, N.		3	272	1004.3	-3.1	46.1	1.3	9.7	90	5.8	0	4	9	6	11	1	0	0	1	0	0	1	0	0	1	5	9	7	8	1	10	11	9	0	0	0	0	0	0	1	14	9	5									
Shetland	Lerwick Observatory	9	272	1004.9	-3.1	47.0	1.9	9.5	85	6.1	0	2	6	17	6	0	0	0	0	0	0	0	0	1	0	5	7	11	7	1	10	11	9	0	0	0	0	0	0	0	1	4	10	4								
		15	272	1004.4	-	48.2	2.1	9.8	84	6.7	0	1	4	14	12	0	0	0	0	0	0	0	0	0	2	3	7	13	6	2	5	17	7	0	1	0	0	0	0	0	1	5	10	12	3							
Orkney	Grimsetter..	21	272	1003.8	-	45.9	1.4	9.5	88	5.7	0	7	4	6	13	1	0	1	0	0	0	0	0	0	0	7	5	14	4	2	6	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0						
		3	94	1006.5	-	46.5	1.0	10.1	91	5.5	0	6	6	7	12	0	0	0	0	0	0	0	0	0	0	5	4	17	5	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		9	94	1006.9	-	48.5	1.5	10.4	89	6.2	0	2	7	15	7	0	0	0	0	0	0	0	0	0	0	2	3	18	8	8	6	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Caithness	Wick ..	15	94	1006.5	-	50.1	2.3	10.5	84	6.4	0	3	5	10	13	0	0	0	0	0	0	0	0	0	1	4	19	7	1	1	26	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		21	94	1006.1	-	46.6	1.2	9.9	90	5.7	0	7	5	5	14	0	0	0	0	0	0	0	0	0	0	4	6	12	3	1	3	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		3	121	1007.3	-	46.7	1.6	9.6	88	5.1	1	9	3	7	11	8	0	0	0	0	0	0	0	0	0	1	4	1	11	14	0	2	13	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sutherland	Cape Wrath	9	121	1007.7	-1.2	48.5	2.1	9.9	85	5.9	0	3	7	13	8	0	0	0	0	0	0	0	0	0	1	5	9	16	0	3	18	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		15	121	1007.2	-	50.7	3.0	10.0	80	6.4	0	2	5	14	10	0	0	0	0	0	0	0	0	0	0	2	2	5	22	0	4	21	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	121	1006.8	-	46.9	2.1	9.5	86	5.1	2	8	2	9	10	0	0	0	0	0	0	0	0	0	0	2	1	9	19	1	3	14	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ross & Cromarty	Stornoway	3	371	1006.7	-	48.2	2.0	9.9	85	6.4	0	0	11	7	11	2	0	0	2	0	2	0	2	0	2	2	2	15	8	1	4	18	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	371	1006.7	-	48.5	1.9	10.0	86	7.0	0	0	2	17	11	1	0	0	0	0	1	0	0	0	4	6	9	11	1	4	19	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		15	371	1006.6	-	49.1	2.0	10.2	85	7.0	0	0	3	14	13	1	0	0	0	0	0	0	0	0	1	4	12	13	0	4	20	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Inverness	Benbecula..	21	371	1005.6	-	48.4	2.1	9.9	84	6.4	0	0	11	7	11	2	0	0	2	0	2	0	2	0	2	2	15	8	1	4	18	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		3	16	1007.7	-	47.5	1.6	10.1	88	5.5	0	6	6	7	12	0	0	0	0	0	0	0	0	0	0	6	6	15	4	0	6	12	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	16	1008.0	-0.5	49.0	1.7	10.5	88	6.5	0	2	3	18	8	0	0	0	0	0	0	0	0	0	0	3	5	19	4	1	2	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Aberdeen	Braemar ..	15	16	1007.4	-	51.0	2.8	10.4	81	6.2	0	1	7	14	9	0	0	0	0	0	0	0	0	1	0	2	10	9	9	0	5	21	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	16	1006.6	-	47.6	1.6	10.0	88	5.4	0	9	2	9	11	0	0	0	0	0	0	0	0	0	4	10	14	3	1	7	9	12	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	63	1008.3	-	48.5	1.7	10.2	87	5.7	0	2	11	12	6	0	0	0	0	0	0	0	0	0	0	0	1	7	23	0	1	7	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moray	Kinloss ..	15	63	1008.0	-	51.4	2.8	10.7	81	6.9	0	0	5	13	13	0	0	0	0	0	0	0	0	0	0	1	4	26	0	2	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	63	1008.0	-	51.4	2.8	10.7	81	6.9	0	0	5	13	13	0	0	0	0	0	0	0	0	0	0	0	1	4	26	0	2	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	21	1008.7	-	49.8	1.8	10.7	87	5.5	2	6	3	7	13	0	0	0	0	0	0	0	0	0	3	0	7	3	6	12	0	8	18	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dumfries	Eskdalemuir	9	21	1008.9	-	50.7	1.9	11.0	86	6.5	0	1	7	12	11	0	0	0	0	0	0	0	0	1	3	3	9	6	9	1	4	20	5	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		15	21	1008.2	-	51.4	2.5	10.8	83	6.6	0	2	4	15	10	0	0	0	0	0	0	0	0	0	1	3	6	12	8	1	5	21	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	21	1007.5	-	49.8	1.6	10.8	88	5.7	0	8	3	9	11	0	0	0	0	0	0	0	0	0	1	3	4	6	11	0	12	14	5	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Argyll	Tiree ..	9	21	1007.5	-	49.8	1.6	10.8	88	5.7	0	8	3	9	11	0	0	0	0	0	0	0	0	1	3	4	6	11	0	12	14	5	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	21	1007.5	-	49.8	1.6	10.8	88	5.7	0	8	3	9	11	0	0	0	0	0	0	0	0	0	1	3	4	6	11	0	12	14	5	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		21	21	1007.5	-	49.8	1.6	10.8	88	5.7	0	8	3	9	11	0	0	0	0	0	0	0	0	0	1	3	4	6	11	0	12	14	5	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fife	Leuchars ..	9																																																		

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1957

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; Wind, Number of Observations. Includes sub-sections for ENGLAND, N.E., ENGLAND, E., and ENGLAND, S.E.

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1957

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					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	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	0	1	2	3	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.							
			34 or more	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0						
5 ENGLAND, S.E.—cont.																																											
Berkshire	Abingdon ..	H	3	234	1017.7	-	48.4	1.0	10.9	93	6.1	5	1	2	6	15	2	0	2	1	2	2	7	7	12	3	0	0	0	5	13	13	3	0	1	0	3	7	4	0			
			9	234	1018.3	-	50.8	1.6	11.5	90	6.3	1	4	2	11	10	3	0	0	3	3	2	2	5	5	10	3	0	0	0	0	7	15	9	2	2	0	1	1	3	10	2	3
			15	234	1016.6	-	58.2	4.1	12.5	75	6.4	1	1	5	13	11	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	12	15	4	3	0	0	4	4	8	4	4	
Hampshire	Blackbushe	H	21	234	1017.3	-	51.0	1.5	11.6	90	4.8	7	4	2	7	11	0	0	0	0	0	3	3	4	2	10	3	0	0	1	6	15	9	3	1	1	0	2	9	4	4		
			3	344	1018.0	-	48.2	0.8	11.0	94	4.8	7	4	3	4	11	2	0	2	1	1	3	1	4	4	8	10	0	0	0	0	5	19	7	2	0	0	0	4	11	5	0	
			9	344	1018.6	-	51.0	1.2	11.8	91	5.5	3	2	7	9	10	0	0	0	2	0	2	1	7	7	5	5	4	4	8	0	0	3	22	6	2	1	3	1	5	8	2	2
Southampton	H	15	344	1017.1	-	57.7	4.4	12.1	74	5.4	1	4	9	8	9	0	0	0	0	0	0	1	9	9	0	0	0	0	0	13	18	0	5	1	0	3	6	11	2	3			
		21	344	1017.7	-	51.1	1.3	11.9	92	5.3	7	4	7	9	1	0	0	1	0	0	0	1	8	8	8	10	3	0	0	0	7	23	1	1	2	2	7	8	5	5	4		
		9	84	1019.1	+3.7	54.5	2.4	12.2	84	5.8	2	5	4	3	15	2	0	0	0	0	1	5	9	0	0	1	1	5	10	0	5	26	0	3	4	2	2	2	8	3	7		
S. Farnborough	H	21	84	1018.2	-	52.4	1.6	11.9	89	4.3	14	0	0	3	14	0	0	0	0	0	0	1	2	8	3	2	7	7	0	1	8	18	4	5	1	1	1	2	9	4	4		
		3	231	1018.2	-	48.5	1.1	10.9	92	5.3	7	2	1	7	13	1	0	2	1	1	1	4	2	11	3	7	7	0	0	0	4	16	11	3	0	0	0	4	7	6	0		
		9	231	1018.9	+3.6	51.3	1.4	11.8	91	5.7	1	4	6	9	10	1	0	1	1	1	1	4	5	4	4	4	6	6	0	0	5	20	6	1	1	3	3	6	7	3			
Wiltshire	Boscombe Down	H	15	231	1017.3	-	57.8	4.1	12.4	75	5.3	1	5	7	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	21	2	3	3	1	1	3	4	9	3	3		
			21	231	1018.0	-	51.1	1.6	11.5	89	5.0	7	3	3	4	13	1	0	1	0	0	0	5	6	7	3	2	2	0	0	6	14	11	1	0	2	0	5	7	5	0		
			3	419	1018.4	-	48.1	0.6	11.1	95	5.4	4	5	2	5	13	2	0	2	1	0	2	2	5	11	7	3	2	0	0	0	3	18	10	2	2	2	0	1	7	4	2	
Larkhill ..	H	9	419	1018.8	-	51.2	1.0	12.1	93	5.9	1	5	3	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	24	2	3	0	4	3	4	7	3	5			
		15	419	1017.3	-	57.6	3.9	12.6	77	5.6	1	3	8	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	23	0	5	0	1	1	5	8	6	5			
		21	419	1018.1	-	50.7	1.2	11.6	91	4.7	6	4	6	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	21	4	3	1	4	0	3	7	7	2			
Lyneham	H	9	436	1018.3	+3.2	51.7	1.3	12.0	91	5.7	3	4	2	11	10	1	0	1	0	1	8	2	10	8	8	11	15	3	0	0	7	23	1	3	2	5	2	4	10	5	2		
		15	436	1016.9	-	56.7	3.6	12.3	78	5.7	3	1	6	10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	15	4	3	3	1	0	3	2	10	6	2		
		3	458	1017.9	-	48.3	0.8	11.0	94	5.3	8	1	3	1	15	3	0	2	1	1	2	3	9	9	11	2	2	0	0	0	8	21	2	2	2	3	1	6	9	5	1		
Upavon	H	9	458	1018.4	-	50.7	1.2	11.7	92	6.0	1	3	4	13	9	1	0	1	1	3	1	4	5	8	7	7	0	0	0	8	21	2	3	2	1	3	5	10	3	2			
		15	458	1016.8	-	56.8	3.6	12.3	78	6.1	2	2	4	13	10	0	0	1	0	0	0	3	3	11	11	3	1	0	0	1	13	14	3	4	1	0	0	6	10	6			
		21	458	1017.5	-	51.5	1.9	11.5	89	5.2	8	2	2	4	15	0	0	0	0	0	1	4	2	10	8	6	6	0	0	1	7	21	2	3	1	4	0	2	13	3	3		
7a ENGLAND, N.W.	Cumberland	Silloth	H	3	27	1014.1	-	49.6	1.4	10.9	89	5.9	0	6	4	4	15	2	0	2	1	0	2	0	6	16	4	0	0	0	14	13	4	1	1	0	0	7	10	8	0		
				9	27	1014.4	-	51.0	1.9	11.2	87	6.4	0	3	4	15	9	0	0	0	0	0	0	3	0	0	0	0	0	0	0	16	11	4	1	0	0	0	6	13	6	1	
				15	27	1013.1	-	53.5	2.7	11.5	82	6.9	0	0	5	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11	8	0	0	2	2	1	5	12	7	2
Lancashire	Manchester (Whitworth Pk.)	H	21	27	1013.0	-	50.7	1.7	11.1	87	6.2	2	3	2	8	16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	14	3	1	1	1	3	12	7	2			
			9	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			21	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Speke ..	H	3	85	1015.8	-	50.0	1.9	10.7	87	5.4	4	3	6	5	13	0	1	1	0	3	1	3	1	1	9	9	3	0	1	12	15	3	3	0	2	0	10	5	4	4			
		9	85	1016.2	-	51.6	2.2	11.1	85	6.5	0	2	5	12	12	0	0	0	0	0	4	2	2	1	11	8	2	1	0	1	16	13	1	2	1	3	2	8	9	2	3		
		15	85	1014.9	-	55.7	4.2	11.2	74	5.9	1	3	6	12	9	0	0	0	0	0	1	2	0	0	0	0	0	0	0	2	19	9	1	3	0	0	4	6	5	3			
Squires Gate	H	21	85	1014.9	-	52.7	2.6	11.3	83	4.8	6	3	6	6	10	0	0	0	0	0	0	5	5	2	12	6	0	0	1	2	11	15	2	2	0	0	0	7	11	3	6		
		9	35	1015.6	-	51.8	2.1	11.3	86	6.8	0	0	4	16	11	0	0	0	0	0	0	2	5	3	8	6	9	2	0	2	14	15	0	3	1	4	6	4	6	5			
		15	35	1014.3	-	55.0	3.0	11.9	80	6.1	1	3	5	10	12	0	0	0	0	0	0	2	7	4	9	5	4	0	0	2	13	16	0	0	1	5	4	9	6	5			
Cheshire	Bidston Obs'y.	H	21	35	1014.1	-	52.2	1.9	11.5	86	6.2	1	3	4	11	11	1	0	0	0	2	1	3	8	14																		

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers



3 8078 0006 6368 4

Volume 74 Number 11

Published by HER MAJESTY'S STATIONERY OFFICE

November 1957—*Stormy at first, then mostly cloudy and dry.*

The first five days of November were stormy and wet, with troughs and depressions moving across the country, but during most of the remainder of the month weather was dry with anticyclones situated over or near the British Isles.

The month began with a broad westerly flow at 500 mb. extending across the Atlantic associated with a complex low pressure area from Scotland to Greenland. A deep depression, moving eastward from the Atlantic, reached the Orkneys at 06 h. on the 1st. Considerable rain fell in Scotland and winds increased to gale force over much of the north and north-west of the British Isles with gusts exceeding 70 kt. at both Benbecula and Tiree. The axis of the strongest upper winds moved slowly south during the next few days as a cold trough at 500 mb. intensified to the west of Ireland and surface fronts and depressions moved north-east across the British Isles. Weather was generally unsettled and rather cold with periods of rain and frequent showers which were heavy and thundery at times. A small but vigorous depression, approaching from the south-west on the 3rd, reached Devon at midnight, and Lincolnshire six hours later. The depression deepened considerably as it moved north-eastward across the country, and gales, which were widespread in the south, progressively strengthened and became severe in eastern districts, causing heavy damage to property. A gust of 80 kt. was recorded at Dover and one of 90 kt. at West Raynham. Torrential rain, associated with the passage of the depression led to floods in many areas especially in the Midlands and many places in central and southern England recorded more than one inch of rain in 24 hr. while at Dudley in Staffordshire more than half an inch of rain fell in seven minutes. Snow and sleet fell over high ground in parts of Yorkshire and Nottinghamshire. Another depression, a little less vigorous, approached our south-west coasts about 24 hr. later and was also accompanied by widespread, locally heavy rain and a renewal of gales, as it moved northward over the Irish Sea. The weather continued wet in most places throughout the following day as the upper trough to the west of Ireland moved eastward and the main centre of low surface pressure shifted to northern England.

On the 6th the depression over the British Isles moved away northward and weather became quiet and sunny generally although there were a few scattered showers. An anticyclone, which was centred south of Iceland on the 7th and which moved to Scotland two days later, was associated with a rapidly developing ridge at 500 mb. which by the 10th had formed a separate high cell to the north of the British Isles. This high cell, in conjunction with an intense cold vortex near Spain, formed a block in the zonal flow, and pressure remained high to the north of Scotland until the 15th. On the 7th, at the beginning of this period, weather was fine and cold and the following morning fog and frost were widespread, and although fog was dense locally it cleared from most places during the morning, re-forming at night. This was the coldest part of the month at many places with screen temperature falling to about 20°F. on the 7th and 8th. From 10th to 15th weather was dull and generally milder, especially at night with some slight rain or drizzle here and there. Several stations in south-east England recorded no sunshine for six days. The blocking pattern at 500 mb., which had weakened and drifted slowly eastward to Scandinavia, became re-established on the 15th at about longitude 10°W. where it persisted for several days. On the 16th and 17th a shallow depression over the Low Countries helped to maintain the dull weather, but during the next two days the British Isles lay between a large European anticyclone and northward moving depressions to the west of Ireland; western districts had mild wet weather with southerly gales but it was mainly cloudy and dry elsewhere. An anticyclone, which was in the region of Newfoundland on the 19th, moved across the Atlantic and became centred to the west of Ireland by the 22nd and cold northerly winds and brighter weather spread to the whole of the British Isles. On

the 24th the anticyclone moved south-east to the region of the English Channel; a blocking pattern was again established and the anticyclone remained almost stationary until the end of the month. Weather was dry, dull and mild over most of England and Wales but rain or drizzle fell at times over Scotland and north-west England. On the 28th, a new anticyclone moved southward from the Norwegian Sea, intensifying as it came, and on the last day of the month temperature fell about 10°F. as cold air spread over England from the Continent.

Pressure and wind. Mean pressure at 9 h. was everywhere above the average, the excess ranging from 9.3 mb. at Stornoway to 5.5 mb. at Tunbridge Wells. Winds were mainly south-westerly during the first five days, light and variable on the 6th and 7th becoming predominantly north-easterly until the 11th and between east and south-east on 12th–14th. Two days of light variable winds were followed by winds from a generally south to south-easterly direction on 18th–20th and from north to north-west on 21st–22nd, after which they were mainly south-westerly until the 28th and south-easterly or variable during the last two days of the month. Gales occurred on 11 days in Scotland, the stormiest day being the 1st, but in England and Wales gales were mainly confined to the first five days of the month, on the night of the 3rd/4th they were widespread and severe.

Temperature. Mean temperature in England and Wales approximated to the 1921–50 average, but exceeded this average by 1.1°F. in Scotland and 0.3°F. in Northern Ireland. The first half of the month was generally colder than the second; in eastern Scotland mean temperature during the last week was more than 10°F. higher than during the first. At many places the coldest period of the month was from 7th to 9th; on the latter date temperature at Dalwhinnie fell to 18°F. in the screen and 8°F. on the ground.

Extreme temperatures for the month included: (England and Wales) 60°F. at Sellafield on the 13th, 19°F. at Kielder Castle on the 7th; (Scotland) 59°F. at Glenmore Lodge on the 18th and at Dyce on the 25th, 16°F. at Glenshee Lodge on the 7th; (Northern Ireland) 57°F. at Garvagh on the 28th, 24°F. at Aldergrove on the 10th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915 average was 71 over England and Wales, 54 over Scotland and 42 over Northern Ireland. More than the average was recorded in Moray and Banffshire, on the Yorkshire coast, in the lower Thames valley and also in Kent where more than 150 per cent. of the average fell in the eastern part of the county. Most of the rain of the month fell during the first five days, but heavy rain did occur in Kent on the 7th, and rain was fairly widespread on the 21st which was the only wet day during the period 6th–30th at many places in England and Wales.

Thunder was heard locally on the 1st and 5th in Scotland and on 2nd–7th in England and Wales.

Snow and sleet were widely reported in Scotland on 1st–8th and in many parts of central England and Yorkshire on the 4th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 111 in England and Wales, 76 in Scotland and 98 in Northern Ireland. It was a cloudy month over most of Scotland, in the Fortrose area it was the dullest November since 1947. In England, eastern districts were the sunniest, Bunhill Row in central London reporting 145 per cent. of its average for the month.

Fog. Fog was reported at one place or other on 23 days in Scotland, and every day of the month, except on the 1st–4th and 22nd, in England and Wales; it persisted throughout the day at many places on the 11th.

Miscellaneous Phenomena. The aurora was observed in Scotland on 16 nights, and was seen in many places in north-east England on the night of 6th/7th.

TABLE I—DISTRICT VALUES—NOVEMBER, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
0 SCOTLAND, N.	59	18	+0.3	+1.1	+0.7	—	—	67	-3	73
Eastern										
1 SCOTLAND, E.	59	16	+0.5	+2.2	+1.4	—	—	67	-2	67
2 ENGLAND, N.E.	59	19	+0.2	+1.2	+0.6	+3.3	+1.3	78	-6	107
3 ENGLAND, E.	58	22	-0.8	+1.7	+0.5	+1.9	+1.0	80	-5	121
4 MIDLAND COUNTIES	57	20	-1.0	+0.4	-0.3	+2.2	+1.3	82	-7	112

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	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
			Max.	Min.	Mean					
5 ENGLAND, S.E.	58	21	-1.2	+1.2	0.0	+1.8	+1.8	95	-8	111
Western										
6 SCOTLAND, W.	57	19	+0.6	+1.9	+1.2	+2.6	+0.5	46	-5	89
7 ENGLAND, N.W. (and N. Wales)	60	22	-0.4	+1.3	+0.5	+2.0	+0.9	49	-9	107
8 ENGLAND, S.W. (and S. Wales)	59	22	-2.0	-0.9	-1.5	+1.2	+1.0	72	-9	106
NORTHERN IRELAND	57	24	+0.2	+0.4	+0.3	—	—	—	-9	98

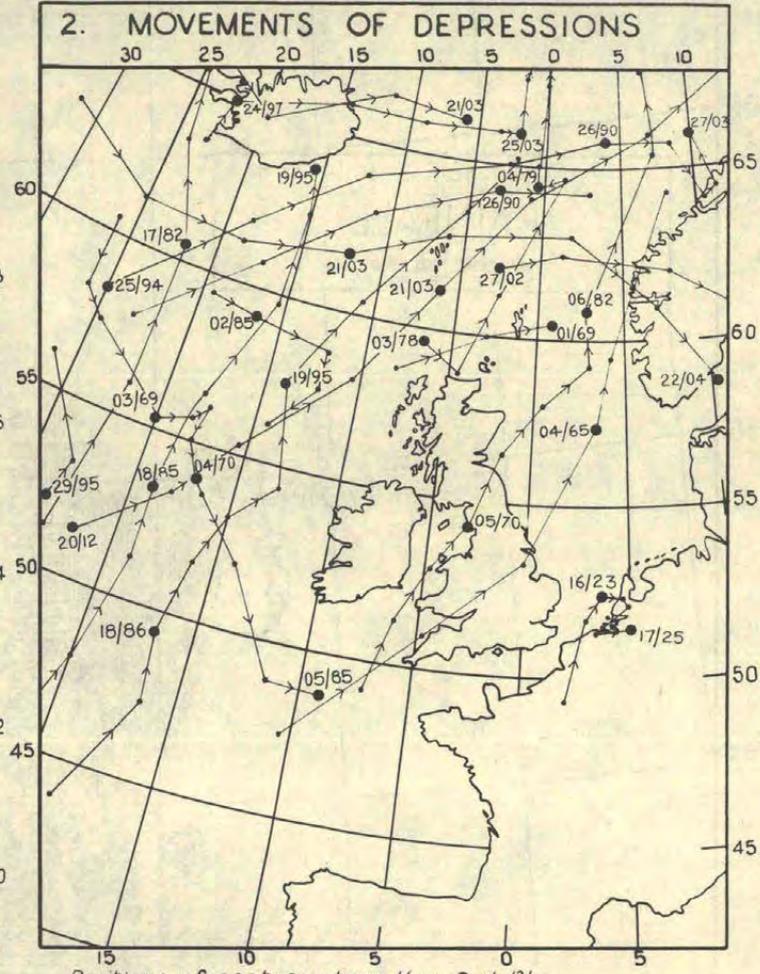
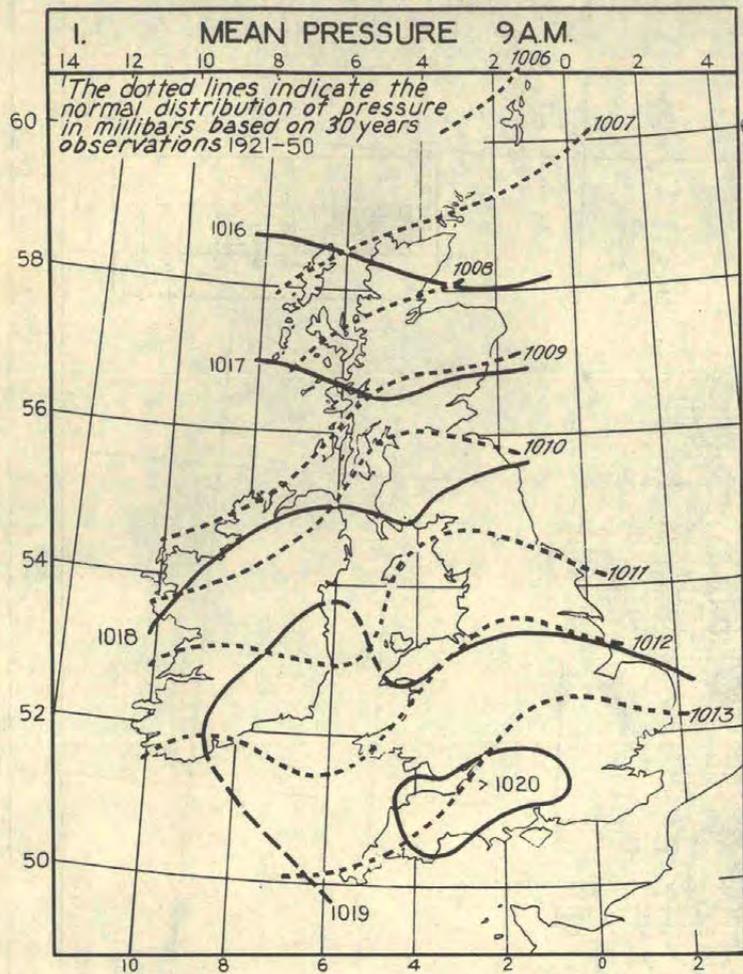
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—NOVEMBER, 1957

[1914]

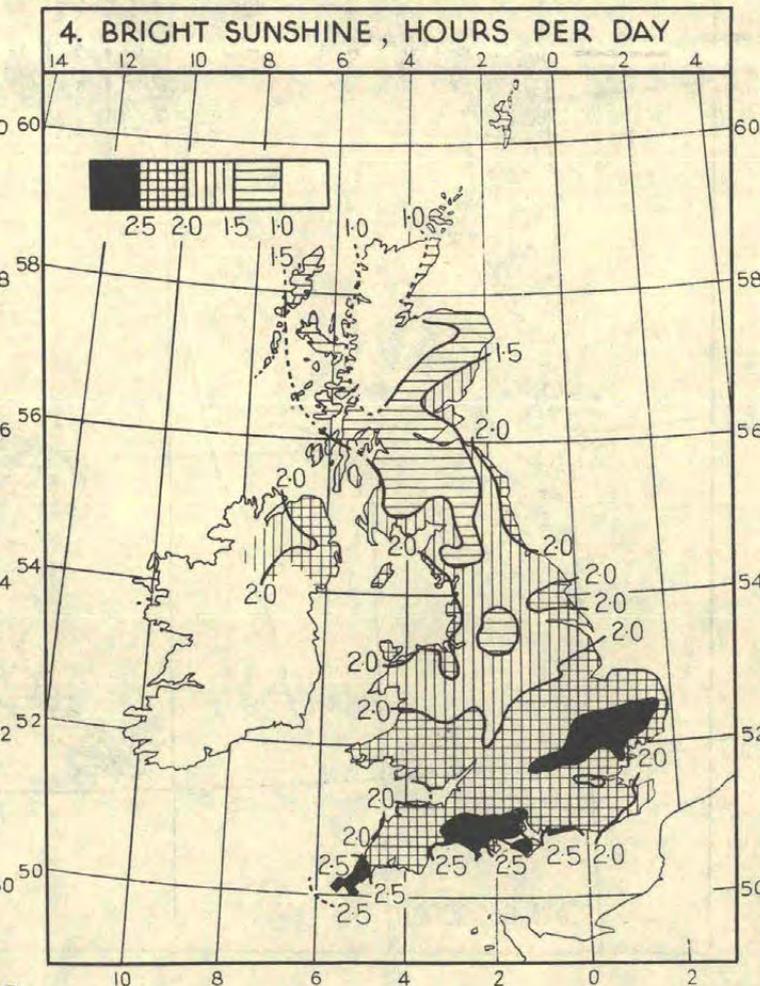
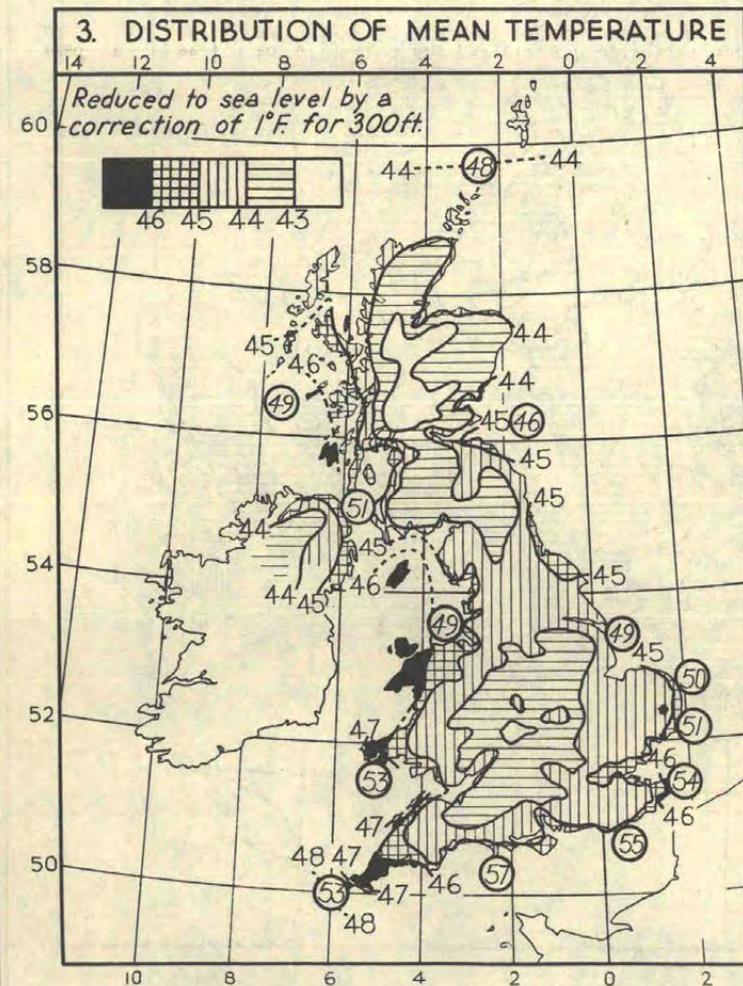
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind									Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day h.m.	
SCOTLAND																		
0 Shetland Lerwick ..	310	53	37	22,26	7	14	147	200	193	173	0	12.2	280	39	26 14	57	26	1405
Orkney Grimsetter ..	134	50	33	22,26	5	14	97	275	286	57	0	12.6	260	40	26 12	62	26	1235
Calthness Halkirk ..																		
Ross & Cromarty																		
Stormoway (Coastguard)	120	40	36	18,21	8	14	155	318	174	65	0	13.7	210	39	21 09	53	21	0905
Inverness Benbecula ..	69	51	35	1,17,19	8	11	130	225	266	91	0	12.6	320	45	1 04	72	1	0305
1 Aberdeen Dyce ..	225	40	40	—	0	4	13	142	232	333	0	5.8	220	31	1 05	48	1	0450
Angus Bell Rock Lighthouse	128	131	124	—														
Fife Leuchars ..	79	41	41	1	1	3	19	222	350	128	0	8.6	240	34	1 05	52	1	0450
Midlothian Edinburgh ..	485	39	23	—	0	2	10	152	293	265	0	6.4	230	28	1 05	50	1	0345
6a Argyll Tiree ..	89	60	47	1,5, 17-19	37	15	119	325	165	74	0	14.8	260	48	1 02	75	1	0205
Bute Millport ..	50	34	34	1, 11	7	8	28	351	251	83	0	11.4	250	41	1 04	60	1	0245
Renfrew Paisley ..	188	81	31	—	0	2	6	107	385	222	0	6.2	210	25	1 04	56	1	0355
Renfrew ..	71	41	39	—	0	2	12	168	375	165	0	7.7	240	33	1 05	54	1	0420
Ayr Prestwick ..	80	50	40	—	0	2	9	146	304	261	0	6.1	270	28	1 04	48	1	0310
Dumfries Eskdalemuir ..	825	50	35	—	0	1	4	90	446	180	0	6.2	240	24	1 02	41	1	0010
ENGLAND and WALES																		
6b Isle of Man Point of Ayre ..	70	40	35	—	0	8	51	335	289	45	0	11.5	240	29	1 01	47	1	0025
2 Durham Durham ..	339	53	33	—	0	1	5	176	395	144	0	7.5	220	24	1 03	48	1	0240
South Shields ..	73	57	44	—	0	5	19	381	274	46	0	11.1	040	28	5 04	46	1	0827
Yorks., N.R. Linton-on-Ouse ..	73	27	33	x														
Yorks., E.R. Spurn Head ..	64	44	34	4,5	6	8	69	376	210	30	29	13.5	(230)	42	4 08	64	4	0640
Lincoln Cranwell ..	288	47	47	—	0	3	5	89	368	258	0	5.5	180	26	5 12	47	5	1150
3 Norfolk Gorleston ..	52	42	34	3,4	5	5	52	286	266	111	0	10.8	140	43	4 04	69	4	0625
Suffolk Felixstowe ..	85	75	65	4	5	5	31	249	324	111	0	9.9	190	43	4 04	75	4	0330
Mildenhall ..	98	83	60	4	2	2	5	143	437	133	0	7.2	230	42	4 06	75	4	0535
Bedford Cardington ..	285	150	135	4	3	3	23	198	332	164	0	8.4	190	55	4 05	70	4	0430
Dunstable ..	567	55	33	4	1	2	5	201	438	75	0	8.2	250	36	4 05	63	4	0410
Herts. Stevenage ..	564	111	65	4	2	3	16	301	321	80	0	9.8	210	38	4 05	67	4	0355
Essex Shoeburyness ..	115	104	89	3,4,5	11	12	73	430	206	0	0	14.5	190	52	4 04	72	4	0315
4 Warwick Birmingham ..	643	118	73	—	0	1	3	87	516	114	0	6.8	190	26	5 10	47	5	0958
Stafford Keele ..	706	50	40	—	0	1	4	70	449	197	0	6.0	190	28	5 11	53	5	0955
Gloucester Avonmouth ..	92	61	33	—	0	3	24	154	340	202	0	7.5	350	31	4 02	41	5	0830
5 London Kingsway ..	231	160	40	—	0	1	2	69	475	174	0	6.1	290	24	4 05	45	4	0355
Middlesex Hampton ..	139	101	100	—	0	1	5	95	439	181	0	6.5	240	31	4 05	58	4	0130
Surrey Croydon ..	313	105	70	4	1	2	13	199	292	215	0	7.5	190	35	4 04	61	4	0350
Kew Observatory ..	92	75	50	—	0	1	5	159	451	105	0	7.5	210	31	4 04	59	4	0140
Kent Dover ..	66	36	60	4	3	4	43	199	261	214	0	8.6	200	39	4 03	80	4	0350
Dungeness ..	70	50	33	3-5	19	8	89	214	324	33	41	13.5	210	47	4 03	76	4	0350
Isle of Grain ..	48	40	33	4	3	3	9	229	360	77	42	9.0	200	35	4 04	62	4	0320
Sussex Thorney Island ..	75	65	42	4	1	4	25	156	237	301	0	6.8	210	34	4 02	63	4	0100
Hants. S. Farnborough ..	318	69	35	—	0	2	6	78	336	300	0	5.5	220	29	4 04	59	4	0115
Berks. Abingdon ..	250	40	40	4	1	2	8	200	326	185	0	7.6	220	34	4 04	59	4	0335
Wiltshire Larkhill ..	491	51	36	—	0	2	9	211	312	182	6	7.9	220	33	4 03	67	4	0210
Porton ..	406	44	44	4	1	2	9	154	326	230	0	6.8	240	37	4 03	58	4	0155
7a Cumberland Sellafield ..	83	39	35	—														
Westmorland Moor House ..	1960	50	45	27	2	15	113	366	147	48	44	14.4	250	36	27 10	51	27	0935
Lancashire Fleetwood ..	112	50	31	—	0	6	33	370	264	53	0	11.2	260	31	1 07	54	1	0250
Southport ..	63	45	36	1	5	5	20	176	361	158	0	8.2	220	37	1 03	51	1	0720
Speke ..	180	100	65	5	2	4	31	259	355	73	0	10.3	180	43	5 10	59	5	0930
Cheshire Bidston Observatory	262	64	39	—	0	2	15	194	412	99	0	—	270	30	1 05	54	1	0605
Manchester Airport	318	70	30	—	0	2	12	195	416	97	0	8.5	180	33	5 11	56	5	1005
7b Anglesey Holyhead (Valley) ..	76	50	40	1	4	5	36	249	242	189	0	9.5	240	39	1 01	54	1	0111
8a Cardigan Aberporth ..	483	41	41	—	0	6	58	282	277	103	0	10.9	280	31	1 03	55	18	1935
Pembroke Kete ..	249	49	37	—														
Milford Haven ..	246	50	35	—	0	3	17	237	262	157	47	8.8	250	28	5 04	54	5	0135
Glamorgan Port Talbot ..	91	40	35	5	4	7	37	289	234	156	0	10.1	250	37	5 06	59	5	0519
8b Devon Plymouth ..	191	88	65	4	3	5	23	233	253	208	0	8.4	—	35	4 23	50	4	1955
Cornwall The Lizard ..	315	75	60	—														
NORTHERN IRELAND																		
Antrim Aldergrove ..	281	65	65	—	0	4	22	215	356	127	0	8.7	160	30	19 11	48	19	1020
Londonderry Eglinton ..	79	61	51	x														
SCILLY ISLES																		
St. Mary's ..	230	65	57	4,5	7	10	74	314	154	171	0	11.6	240					

MONTHLY WEATHER CHARTS

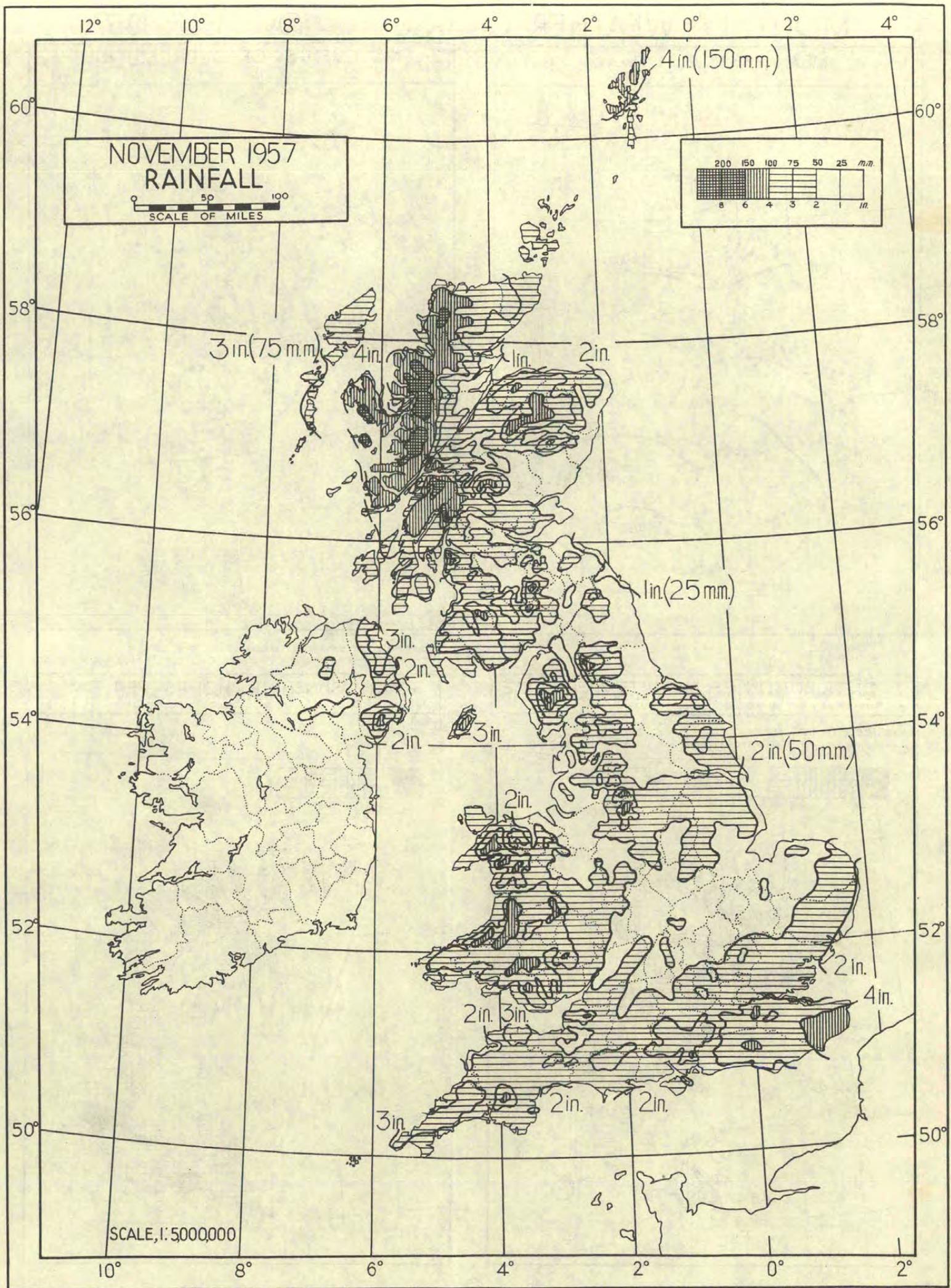
NOVEMBER 1957



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



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



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

TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'ns	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average						
			A	B			Maximum	Date	Minimum																	Date	in.	%	in.	0.01 in. (0.2 mm) or more	0.01 in. (0.2 mm) or more
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	0.01 in. (0.2 mm) or more															
0 SCOTLAND, N.																															
Shetland	Baltasound ..	9 9 9	78	48.0	39.1	43.5	-	51	24, 26, 29	29	14	43.8	-	4.86	-	1.03	5	25	24	4	0	2	0	0	4	-	4	1.07	-		
	Lerwick Obs'y. ¶§	21-9-9	269	45.9	40.3	43.1	+1.1	50	24, 25, 27	32	14	-	-	4.12	97	.87	5	24	17	1	0	2	0	1	1	5	3	3	1.33	118	
Orkney	Grimsetter ..	21-9-9	84	47.2	41.0	44.1	-	52	24, 25, 29	33	9	-	-	3.37	-	.79	28	18	14	4	0	7	0	0	0	0	0	0	1	1.10	-
	Sule Skerry ..	9 9 9	43	48.3	44.1	46.2	-	52	19, 27, 30	38	6	-	-	3.29	-	.88	28	21	14	0	0	2	0	0	0	0	0	1	-	-	
Caithness	Halkirk (Olgrinbeg) ¶§	9 9 9	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Wick ..	21-9-9	119	47.2	40.2	43.7	+0.7	54	25, 26, 27	29	9	-	-	2.15	68	.44	5	21	12	1	0	1	0	0	3	6	0	1.19	68		
Sutherland	Cape Wrath ..	21-9-9	367	47.4	42.1	44.7	-	54	18	36	6	-	-	3.92	-	.95	28	24	21	0	0	0	0	3	0	0	0	-	-		
	Lairg (Achany) ..	9 9 9	240	47.8	35.4	41.6	-	54	20, 21, 23	23	9	42.1	46.1	2.79	-	.41	17	18	15	2	0	1	0	3	12	8	0	-	-		
	Strathly ..	9 9 9	120	48.1	37.2	42.7	-	55	26, 29	28	4, 5, 17	-	-	3.44	-	.49	1	22	11	5	0	3	0	0	8	-	0	0.84	-3		
Ross & Cromarty	Achnashellach ..	8 8 8	220	48.9	36.9	42.9	+1.5	57	20, 28	26	9, 10	-	-	6.12	71	.95	27	22	17	4	0	1	0	0	9	-	0	-	-		
	Fortrose ..	9 9 9	69	47.7	40.8	44.3	-	54	26, 28	33	9	-	-	1.38	-	.64	5	12	7	0	0	0	0	1	0	0	0	0	0.96	48	
	Kinlochewe ..	9 9 9	76	49.0	37.8	43.4	-	56	19, 27, 28	25	9	-	-	3.99	-	.87	25	17	12	5	0	5	0	0	7	-	0	0.53	-5		
Inverness	Stornoway ¶§	21-9-9	11	47.8	39.8	43.8	0.0	54	26	27	9	-	-	3.04	63	.80	2	19	15	0	0	5	0	0	3	9	1	1.28	82		
	Tarbatness ..	21-9-9	60	47.4	40.1	43.7	-	54	27	30	9	-	-	.97	-	.26	5	14	5	0	0	0	0	1	0	0	-	-			
	Benbecula ..	21-9-9	19	48.3	41.3	44.8	-	52	18, 20, 27	29	9	-	-	3.07	-	.46	17	21	17	0	0	5	0	0	4	8	5	1.61	-		
Inverness	Cannich ..	9 9 9	350	-	33.7	-	-	-	-	19	9	-	-	1.77	-	.28	5	19	11	0	0	0	0	0	16	21	0	-	-		
	Dalwhinnie ..	18-9-9	1176	43.6	36.0	39.8	-	52	27, 28	18	9	-	-	1.90	39	.45	5	19	11	2	1	0	0	0	6	13	0	0.77	-8		
	Duntulm ..	9 9 9	294	48.1	41.0	44.5	-	55	18	32	9	-	-	3.70	62	.85	28	21	14	0	0	3	0	0	1	8	3	1.11	-8		
	Ft. Augustus ..	9 9 9	70	47.7	37.7	42.7	+1.3	54	19, 27, 28	25	9, 10	-	-	1.91	42	.57	5	14	9	0	0	0	0	0	9	-	0	0.77	-8		
	Ft. William ¶§	9 9 9	34	48.4	39.3	43.9	+0.7	56	19, 20	28	9, 10	44.3	48.0	2.96	36	.77	25	16	14	0	0	0	0	0	4	9	0	0.44	49		
	Glenmore Lodge ..	9 9 9	1000	45.4	33.9	39.7	-	59	18	23	14, 17	-	-	4.19	-	1.32	5	15	10	5	-	0	0	0	15	16	0	0.99	-		
	Inverness ..	9 9 9	103	48.2	37.9	43.1	-	55	27, 28, 30	25	9	-	-	1.50	-	.63	5	9	7	-	-	0	0	0	4	6	10	0.74	-		
	Kincraig ..	9 9 9	780	45.5	33.8	39.7	-	52	25, 27, 30	20	7	-	-	2.14	-	.77	5	16	9	-	-	0	-	0	0	15	17	-	-		
	Onich ..	9 9 9	48	48.2	39.5	43.9	-	55	19	29	9, 10	-	-	3.47	41	.64	21	16	16	-	0	-	-	0	3	10	-	0.84	63		
	1 SCOTLAND, E.																														
Nairn	Nairn .. ¶§	9 9 9	20	48.0	38.5	43.3	+1.0	55	21	26	17	-	-	1.46	69	.58	5	14	8	0	0	0	0	1	6	12	1	0.87	48		
	Elgin ..	9 9 9	92	49.0	39.2	44.1	-	56	21, 26, 29	30	5	-	-	2.54	-	.74	9	12	9	-	0	-	-	0	4	7	-	1.33	-		
Moray	Findhorn ..	2121-9	20	47.7	39.7	43.7	-	54	21, 27, 29	31	5, 9	-	-	1.85	-	.57	5	14	9	0	0	0	0	0	2	6	0	-	-		
	Forres ..	9 9 9	155	48.1	37.9	43.0	-	56	21	29	5, 9	43.1	47.0	2.32	-	.83	5	13	9	0	0	0	0	0	9	12	0	1.41	-		
	Gordon Castle ..	2121-9	104	48.4	38.3	43.4	+1.2	55	21, 26, 29	30	5, 17	-	-	3.27	114	.18	9	19	10	0	0	0	0	4	-	0	0	1.13	64		
Banff	Kinloss ..	21-9-9	15	48.2	38.6	43.4	-	55	19, 26, 29	25	5	-	-	1.94	-	.72	5	13	9	0	0	2	0	0	6	12	0	1.21	-		
	Banff ..	9 9 9	130	47.7	39.7	43.7	+1.1	55	29	34	7, 9	-	-	2.03	71	.50	5	17	12	0	0	1	0	0	0	7	3	1.36	77		
	Glenlivet ..	9 9 9	1085	44.1	34.7	39.4	-	53	30	21	5	41.2	-	3.72	-	.86	5	19	14	2	0	0	0	1	11	16	0	0.86	-		
Aberdeen	Aberdeen ..	9 9 9	170	47.8	38.5	43.1	-	58	27	25	7	-	-	1.41	-	.37	5	16	11	0	0	0	0	0	6	9	0	1.43	-		
	Balmoral ..	9 9 9	927	45.1	36.3	40.7	+2.6	53	27, 28, 29	23	7	-	-	1.91	52	.43	5	17	11	-	0	-	-	8	11	-	-	-			
	Braemar ..	2121-9	1113	44.0	36.7	40.3	+2.3	53	28, 29	22	9	-	-	1.32	34	.25	5	14	9	2	0	0	0	1	8	7	0	0.73	-8		
Aberdeen	Craigstone ¶§	9 9 9	300	47.0	38.6	42.8	+1.4	58	25	30	5, 7	42.5	45.3	1.66	51	.40	5	19	10	0	0	0	1	3	6	3	1.41	66			
	Dyce ..	21-9-9	185	47.4	38.0	42.7	-	59	25	25	7	-	-	1.43	44	.39	5	17	10	0	0	0	1	0	6	8	1	1.34	-		
	Huntly ..	9 9 9	405	46.9	36.9	41.9	-	55	26, 27, 29	27	5	-	-	2.68	-	.74	5	22	15	1	0	1	0	0	7	11	1	-	-		
Aberdeen	Logie Coldstone ..	9 9 9	608	47.2	36.0	41.6	+2.2	56	28, 29	24	5, 7	-	-	2.06	67	.55	5	23	13	1	0	0	0	9	1	-	-	-			
	Ratray Head ..	21-9-9	85	47.4	41.0	44.2	-	55	27	29	7	-	-	1.57	-	.33	21	20	13	0	0	0	0	1	1	3	0.96	-			
	Udny ..	9 9 9	363	46.6	37.0	41.8	-	56	25	28	7	-	-	1.69	-	.47	5	22	12	0	0	0	0	1	5	9	1	1.31	-		
Kincardine	Fettercairn ..	9 9 9	560	46.3	37.1	41.7	-	56	28	27	7	-	-	2.22	-	.46	4	19	12	0	0	0	0	5	15	1	1.60	-			
	Muchalls ..	9 9 9	210	47.4	39.3	43.3	-	55	25, 28	32	2, 7	-	-	2.02	-	1.06	5	16	9	0	0	1	1	1	2	10	0	-	-		
	Stonehaven ..	9 9 9	12	49.0	38.8	43.9	-	56	28	38	7	-	-	1.10	-	.30	4	13	7	-	0	-	-	1	6	-	0	1.50	-8		
Angus	Arbroath ..	9 9 9	95	48.2	40.1	44.1	+1.9	56	28	33	5, 7	-	-	1.13	47	.29	4	11	8	0	0	0	0	1	0	4	1	1.86	83		
	Buddon Ness ..	9 9 9	15	48.2	39.2	43.7	-	54	28	24	7	-	-	1.13	47	.34	4	14	8	0	0	0	0	0	7	-	1	-	-		
	Carnoustie ..	9 9 9	16	-	-																										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A	B	Mean Temperature Mean of A and B		Maximum	Date	Minimum																	Date	in.	%	in.	in.
			Max.	Min.	Mean	Max.	Date	Min.	Date	°F.	°F.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				
6a SCOTLAND, W.																														
Argyll	Colonsay	9 9 9	87	50.3	41.0	45.7	-	54	19	29	10	-	-	2.87	55	.56	3	20	13	1	-	3	0	-	2	-	1	-	-	
	Dunoon (Benmore)	9 9 9	46	49.2	38.5	43.9	-	56	28	28	23	47.0	43.4	3.33	-	.64	21	17	16	0	0	0	1	2	7	10	0	-	-	
	Dunoon Water Works	9 9 9	228	49.5	40.3	44.9	-	55	20,28,29	32	9,10	-	-	3.43	-	.87	21	18	15	-	0	-	0	2	10	1	-	-		
	Glenbranter	9 9 9	120	47.1	37.6	42.3	+0.7	54	28	23	7	-	-	4.26	-	.91	27	17	16	1	0	0	1	5	10	13	0	-	-	
	Loch Fyne (Lepinmore)	9 9 9	30	49.0	40.0	44.5	-	54	28	30	9,10	-	-	3.73	-	.85	27	17	15	1	0	2	1	5	8	0	1.17	-	S	
	Tiree	9 9 9	29	49.2	43.1	46.1	+0.7	53	19,26,29	32	9	-	-	2.36	49	.54	3	21	14	1	0	4	0	1	4	3	1.53	88		
Bute	Millport	9 9 9	16	49.9	42.1	46.0	-	57	28	29	2	-	-	2.57	-	.71	2	12	11	-	0	-	0	2	-	-	-	-		
	Rothsay	2121 9	200	47.6	40.3	43.9	+0.2	53	21,28	34	8	45.0	46.7	2.59	51	.33	17	14	14	0	0	0	0	0	0	7	1	1.54	93	
Dunbarton	Helensburgh	9 9 9	293	47.7	39.4	43.5	+1.1	54	28,29	28	9	-	-	2.14	39	.48	3	10	10	0	0	0	0	0	0	0	0	1.18	72	
Stirling	Falkirk	9 9 9	100	48.7	38.2	43.5	-	55	28	28	7	-	-	1.46	-	.41	4	16	8	0	0	0	1	1	7	-	-	-		
	Stirling	9 9 9	151	48.2	39.8	44.0	+1.9	57	28	27	7	44.0	50.0	1.07	30	.34	3	12	6	0	0	0	0	2	5	11	0	-	-	
Renfrew	Barrhead	9 9 9	97	48.2	39.5	43.9	-	55	28	25	7	-	-	1.91	-	.33	3	14	10	0	0	0	0	1	6	7	0	-	-	
	Greenock	9 9 9	200	48.3	41.4	44.9	+1.4	54	28	33	7,10	-	-	2.51	41	.58	21	16	12	0	0	0	0	3	0	7	1	1.14	-	S
	Paisley	2121 9	106	48.5	41.0	44.7	+1.6	55	28	29	7	44.9	49.7	1.48	35	.30	3,4	15	10	-	0	-	-	5	2	8	-	1.32	95 S	
	Renfrew	21-9 9	26	48.5	40.4	44.5	+2.5	55	28	24	7	-	-	1.36	35	.31	3	12	11	0	0	0	0	1	7	9	0	1.38	95	
Lanark	Carnwath	9 9 9	706	45.3	36.6	40.9	-	51	21,26	21	7	-	-	1.49	-	.30	3,4	19	9	2	1	0	0	0	0	9	12	1	-	-
	Coalburn	9 9 9	920	44.4	36.1	40.3	-	51	21	24	9	41.1	-	2.76	-	.80	1	15	12	2	0	0	0	0	0	7	12	1	1.36	-
	Coatbridge	9 9 9	256	47.4	38.9	43.1	-	54	28	28	7	-	-	1.69	-	.47	4	15	11	1	0	0	0	0	6	6	1	-	-	
	Glasgow, Spr. Pk.	9 9 9	351	47.0	39.5	43.3	-	53	28	27	7	-	-	1.69	-	.34	4	17	11	0	0	0	0	0	0	5	11	0	1.22	-
	Glengavel	9 9 9	839	44.8	36.5	40.7	-	51	21,28,30	26	10	-	-	3.06	-	.74	1	19	9	2	2	1	1	2	9	-	0	-	-	
	Leadhills	9 9 9	1270	43.6	35.5	39.5	-	50	21,30	24	7	-	-	3.19	-	.78	2	19	11	2	1	1	1	0	9	12	0	-	-	
	Thorntonhall	9 9 9	453	46.7	37.9	42.3	-	53	28	26	9	-	-	1.93	-	.43	4	15	11	0	0	0	0	0	0	7	11	0	1.09	-
Ayr	Auchincruive	9 9 9	147	48.4	39.0	43.7	-	54	28	27	9	45.0	48.5	1.89	-	.70	1	14	10	0	0	1	0	0	0	5	11	0	1.48	-
	Colmonell	9 9 9	170	49.1	37.8	43.5	-0.1	54	21	25	10	-	-	2.10	42	.57	11	14	11	0	0	0	0	0	0	6	10	0	-	-
	Kilmarnock	9 9 9	115	48.0	39.2	43.6	+1.1	54	28	28	9	43.8	49.1	2.02	54	.55	1	12	12	0	0	0	0	0	2	5	12	0	1.33	77
	Largs (Woodbank)	9 9 9	25	50.3	41.1	45.7	-	54	21,26,28	30	7,9	-	-	3.01	-	.83	2	13	10	-	-	-	-	3	5	9	0	-	-	
	Prestwick	9 9 9	17	48.6	40.7	44.7	-	54	19	29	9	-	-	1.91	59	.51	1	13	12	0	0	2	0	0	0	5	6	0	1.48	-
	.. Airport	21-9 9	30	49.0	40.4	44.7	-	54	19,21	27	9	-	-	1.83	-	.56	1	13	11	0	0	3	0	0	0	6	8	1	1.74	-
	Turnberry	9 9 9	25	48.9	40.9	44.9	+0.3	55	2	31	9	-	-	1.81	-	.43	1	10	9	0	0	0	0	0	1	1	1	1.58	-	S
Dumfries	Dumfries	9 9 9	140	47.9	39.1	43.5	+1.2	54	27,28	25	7	45.6	48.8	2.02	55	.91	2	11	7	0	0	0	0	0	0	6	10	0	1.58	85
	Eskdalemuir	21-9 9	794	45.7	37.3	41.5	+1.6	53	28,29	19	7	44.9	48.3	2.35	41	.57	2	20	9	2	0	0	0	0	1	8	9	0	1.51	84
	Ruthwell	8 8 8	95	48.6	37.9	43.3	+1.4	55	28	24	7	-	-	2.03	-	.99	2	11	6	-	0	0	0	0	8	-	1	1.58	101 S	
Kirkcudbright	Castle Douglas	9 9 9	196	47.6	35.8	41.7	-	55	1	19	7	44.5	-	2.89	-	1.25	2	10	8	-	0	-	0	0	11	12	-	1.79	-	
	Glenlee	9 9 9	181	48.4	37.6	43.0	-	56	28	22	7	-	-	3.40	-	.88	2	14	9	0	0	0	0	0	9	10	0	-	-	
	Glenlocharr Barrage	9 9 9	154	48.0	37.9	42.9	-	54	28	23	7	-	-	3.30	-	1.08	2	12	8	-	0	-	-	-	8	-	-	-	-	
Wigtown	West Freugh	21-9 9	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6b ISLE OF MAN																														
Isle of Man	Douglas	9 9 9	284	49.3	42.3	45.8	+0.5	54	21,28,30	36	7,8,23	-	-	3.94	84	1.17	2	12	9	0	0	0	0	0	0	6	-	2.23	103	
	Point of Ayre	21-9 9	30	50.0	44.1	47.1	-	56	28	37	6,7	-	-	2.25	-	.67	2	11	7	0	0	0	0	0	0	0	1	1.98	-	
	Ronaldsway	21-9 9	55	49.7	42.9	46.3	-	55	29	32	7,23	-	-	2.92	85	.74	2	13	6	0	0	0	0	1	0	2	6	1	2.28	-
2 ENGLAND, N.E.																														
Northumberland	Acklington	21-9 9	138	47.9	40.0	43.9	-	57	28	28	7	-	-	1.23	-	.39	3	9	5	0	0	0	0	0	2	7	7	0	2.51	-
	Bellingham	9 9 9	849	45.5	36.4	40.9	+1.2	51	28	26	7	-	-	1.29	38	.33	4	18	9	0	0	0	0	0	0	7	-	-	-	
	Berwick-on-Tweed	9 9 9	76	48.6	40.9	44.7	+1.7	56	28	30	7	-	-	.81	38	.22	4	12	8	0	0	0	0	0	2	5	1	2.14	98	
	Cockle Park	2121 9	326	47.3	37.4	42.3	+0.4	54	28	27	7,8	43.8	46.4	1.60	62	.50	4	11	8	0	0	0	0	0	2	4	7	4	2.29	105
	Haydon Bridge	9 9 9	270	47.9	37.3	42.6	-	54	28	24	7	44.8	48.5	1.52	-	.39	4	11	8	0	0	1	1	1	9	15	0	1.78	-	
	Kielder Castle	9 9 9	660	45.8	35.3	40.5	-	54	28	19	7	44.1	-	1.13	-	.28	4	14	10	0	0	0	0	0	11	13	0	-	-	
	Ponteland	9 9 9	220	47.8	38.6	43.1	-	54	28	24	7	-	-	1.62	-	.52	4	13	7	0	0	0	0	0	1	4	6	1	-	-
	Tynemouth	21-9 9	95	48.3	42.7	45.5	+1.0	55	28	33	8	-	-	1.08	51	.46</														

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n by more than 0.01 in. (0.01 in. or more)	Snow or Sleet	Snow lying	Hall	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum					Date	Amount												Date				
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr.	%	
4 MID COUNTIES—cont.																															
Warwick— cont.	Rugby ..	9 9 9	385	47.8	37.9	42.9	-	57	1	28	8	44.6	-	1.52	-	.75	3	7	6	0	0	0	0	0	0	5	7	1	-	-	
	Shipston on Stour	9 9 9	365	46.9	38.4	42.7	-	54	3	27	7,8	45.9	-	1.65	-	.66	4	9	5	0	0	1	0	2	5	9	2	2.21	-	-	
	Stratford on Avon	9 9 9	160	48.1	36.9	42.5	-	55	1	22	8	45.3	-	1.71	81	.75	4	5	5	1	0	0	0	2	6	13	0	2.06	-	-	
	Wellesbourne ..	9 9 9	153	47.8	37.2	42.5	-	55	3	22	8	44.0	48.3	1.51	69	.65	3	7	5	1	0	0	0	3	6	6	0	2.15	-	-	
Oxford	Oxford ..	9 9 9	208	47.9	38.7	43.3	-0.8	55	3	29	8,24	45.3	50.3	1.99	87	.75	3	9	7	0	0	0	5	4	6	1	2.55	123	-	-	
Buckingham	Aylesbury ..	9 9 9	316	47.4	37.5	42.5	-	54	3,4	27	8,24	-	-	2.21	-	.89	2	10	7	0	0	0	0	0	6	10	1	-	-	-	
Stafford	Keele ..	9 9 9	587	46.5	38.4	42.5	-	53	28	29	8	43.8	48.8	1.65	-	.52	3	7	6	0	0	0	0	3	5	6	0	1.95	-	-	
	*Market Drayton	9 9 9	581	46.6	37.7	42.1	-	52	28	28	8	-	-	1.79	-	.56	3	6	6	0	0	0	10	5	8	1	1.86	-	-		
	Oaken ..	9 9 9	409	46.8	37.1	41.9	-	53	28	23	8	44.7	-	2.09	-	.99	3	7	6	-	-	-	3	5	7	-	-	-	-		
	Stone ..	9 9 9	350	47.2	34.6	40.9	-	54	28	20	7,8	-	-	1.57	-	.58	3	9	6	0	0	0	0	7	9	7	0	1.93	-	-	
Shropshire	Newport ..	9 9 9	211	47.1	37.4	42.3	-	54	28	25	7,8	-	-	1.70	77	.61	3	8	6	0	0	0	2	6	9	-	1.62	-	-	-	
	Oswestry ..	9 9 9	570	47.1	39.1	43.1	-	55	28	32	8	-	-	1.81	-	.61	4	7	7	0	0	1	0	3	1	5	2	1.95	-	-	
	Shawbury ..	21-9 9	235	47.6	38.1	42.9	-	54	28	21	8	-	-	1.50	-	.59	3	6	6	0	0	0	4	5	11	0	1.68	-	-	-	
	Shrewsbury ..	9 9 9	184	47.9	38.3	43.1	-	54	28	24	8	46.5	52.2	1.69	75	.70	3	8	4	0	0	0	4	6	9	1	1.84	-	-	-	
Worcester	Defford ..	21-9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Droitwich ..	9 9 9	106	48.5	36.9	42.7	-	55	28	26	8,24	-	-	1.89	-	1.05	3	5	5	0	0	0	0	7	-	10	1	1.96	-	-	
	Halesowen ..	9 9 9	505	46.6	36.7	41.7	-	55	28	23	8	44.4	49.9	2.07	-	1.00	3	9	6	0	0	0	7	6	10	1	1.86	-	-	-	
	Malvern ..	9 9 9	203	48.0	38.7	43.3	-0.6	54	1,28	27	24	45.8	51.1	2.54	101	1.42	3	6	4	0	0	1	1	4	4	0	2.11	998	-	-	
	Pershore (Institute of Horticulture)	9 9 9	130	47.2	37.6	42.4	-	54	1	25	8	-	-	1.72	-	.88	3	5	5	0	0	0	6	7	9	1	1.87	-	-	-	
	Worcester (Redhill)	9 9 9	190	47.8	37.2	42.5	-	54	28	27	24,25	-	-	2.08	97	1.14	3	5	5	0	0	0	4	7	12	0	2.04	-	-	-	
Hereford	Lyonshall ..	9 9 9	510	46.6	38.3	42.5	-	54	28	29	8,24	-	-	2.64	-	.91	3	10	6	-	-	-	3	12	-	-	-	-	-	-	
	Preston Wynne ..	9 9 9	274	47.3	36.7	42.0	-	53	1,6	24	24	-	-	2.14	-	1.09	3	7	5	0	0	0	4	8	7	3	2.29	-	-	-	
	Roas-on-Wye	21-9 9	223	47.6	38.7	43.1	-1.4	55	28	26	24	45.0	50.3	2.38	94	1.15	3	8	5	0	0	1	0	3	6	10	1	2.15	110	-	-
Gloucester	Bristol (Filton) ..	21-9 9	192	47.2	38.8	43.0	-	54	4	24	24	-	-	2.43	-	1.12	3	7	6	0	0	1	0	3	7	8	1	2.00	-	-	-
	Cirencester ..	9 9 9	443	46.7	37.1	41.9	-	53	28	27	24	-	-	1.81	59	.72	3	8	7	0	0	0	1	4	5	16	3	2.33	-	-	
	Little Rissington	21-9 9	740	45.3	38.3	41.8	-	52	5,28	29	8	-	-	2.24	-	.58	4	11	5	1	0	1	0	9	3	6	0	2.24	-	-	-
	Ruscombe ..	9 9 9	610	46.1	37.4	41.7	-	54	3,28	30	24	-	-	1.82	-	.80	3	7	7	0	0	0	8	5	-	2	-	-	-	-	
5 ENGLAND, S.E.																															
London	Bunhill Row ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Camden Square ..	9 9 9	110	49.3	41.2	45.3	+0.3	55	1,4,29	32	24,25	47.6	51.9	2.40	102	.79	3	10	7	-	-	-	-	2	4	-	-	1.78	145	-	-
	Greenwich (Maritime Museum)	9 9 9	24	49.1	41.1	45.1	-	56	3	27	24	-	-	2.42	-	.82	3	11	7	0	0	-	2	4	-	-	1.91	-	-	-	
	Hampstead ..	9 9 9	450	46.8	39.6	43.2	+0.1	53	4,6	31	24	-	-	2.59	102	.87	3	13	8	0	0	0	1	3	1	3	1	2.31	135	-	-
	Kensington ..	9 9 9	81	48.9	41.3	45.1	-0.2	55	1,3,4	30	24	48.2	52.3	2.33	99	.85	3	11	7	0	0	1	0	2	3	0	-	-	-	-	-
	Kingsway ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	-	-	-	
	Regent's Park ..	9 9 9	129	49.0	41.1	45.1	-	56	4	30	24	-	-	2.25	-	.79	3	7	5	0	0	0	2	2	-	2	-	1.90	139	-	-
	Westminster ..	9 9 9	27	49.1	41.7	45.4	+0.3	56	4	30	24	-	-	2.17	103	.71	4	10	8	0	0	0	2	2	-	2	-	-	-	-	-
Middlesex	Hampton ..	9 9 9	39	49.1	40.7	44.9	-	56	4,6	29	24	-	-	2.18	-	.64	3	9	7	0	0	1	0	4	2	7	1	2.54	-	-	-
	London Airport..	21-9 9	82	48.7	40.5	44.6	-	56	4	27	24	-	-	2.34	-	.84	2	9	7	0	0	1	0	1	5	1	2	2.25	-	-	-
	Southgate ..	9 9 9	221	48.5	40.0	44.3	-	56	1,2,3	30	24	47.9	-	2.40	-	.75	3	9	7	0	0	0	3	1	7	0	2.00	-	-	-	
	Wealdstone ..	9 9 9	175	48.3	39.7	44.0	-0.3	55	1,3,4	25	24	46.3	52.8	2.24	91	.84	2	9	7	0	0	2	0	3	1	5	1	2.34	-	-	-
Surrey	Addington ..	9 9 9	474	46.6	39.7	43.1	-0.5	54	3	31	24	-	-	3.16	-	.95	3	12	8	-	-	-	1	2	-	-	-	-	-	-	
	Croydon ..	21-9 9	201	47.7	40.9	44.3	-0.4	55	3,4	27	24	-	-	2.92	107	.89	3	11	7	0	0	0	1	0	2	6	1	2.23	128	-	-
	Farnham ..	9 9 9	260	48.5	37.0	42.7	-	57	5	25	24	-	-	2.38	-	-	-	-	0	0	0	2	-	5	8	-	-	-	-	-	
	Kew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Observatory	21-9 9	18	48.2	42.3	45.3	+1.0	56	4	30	24	46.7	51.7	2.29	103	.67	2	8	7	0	0	1	0	1	1	4	1	2.34	138	-	-
	Mickleham ..	9 9 9	179	48.4	37.8	43.1	-	56	4	27	24	-	-	2.86	-	.87	3	7	7	0	0	0	1	1	1	4	1	-	-	-	-
	Wisley ..	9 9 9	150	48.7	38.9	43.8	-0.2	57	5	26	24	46.5	51.4	2.37	108	.69	3	8	5	0	0	1	1	0	3	10	1	2.31	134	-	-
Kent	Bromley ..	9 9 9	213	48.4	40.4	44.4	0.0	55	1,3	28	24	-	-	3.12	126	1.12	3	8	8	0	0	0	12	1	-						

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average						
			A Max.	B Min.		Mean of A and B	Maximum	Date																	Minimum	Date	in.	%	in.	0.01 in. (0.2 mm. or more)
5 ENGLAND, S.E.—cont.																														
Sussex—cont.	Worthing ..	9 9 9	25	49.2	41.4	45.3	-0.9	57	2	34	24	46.8	52.9	2.96	93	1.27	3	7	5	0	0	1	1	0	0	3	1	2.54	100	
Berkshire	Abingdon ..	21-9 9	210	48.3	38.5	43.4	-	55	3, 28	25	24	-	-	1.75	-	.67	3	8	5	0	0	0	1	2	4	6	1	2.55	-	
	Finchampstead ..	9 9 9	212	48.3	37.7	43.0	-	55	4, 28	24	24	-	-	2.40	-	.76	2	9	8	0	0	1	1	-	6	7	0	2.31	-	
	Hurley ..	9 9 9	140	48.8	38.4	43.6	-	55	3, 4, 28	25	24	45.5	-	2.27	-	1.00	2	8	7	0	0	1	1	1	3	9	1	2.17	-	
	Reading ..	9 9 9	148	48.7	39.7	44.2	-0.1	55	4	28	24	46.5	50.9	2.37	-	.93	2	8	7	0	0	2	1	-	2	9	1	-	-	
	Shinfield ..	9 9 9	200	48.3	38.6	43.5	-0.1	55	3, 4	27	24	-	-	2.38	101	.91	2	9	8	0	0	1	1	-	5	9	2	2.50	-	
	Wokingham ..	9 9 9	200	48.6	38.1	43.3	-	55	4, 5	24	24	47.8	51.9	2.24	-	.73	2	7	7	0	0	0	1	1	4	8	-	-	-	
	Woolhampton ..	9 9 9	370	47.3	37.9	42.6	-	55	28	27	24	45.9	-	2.16	-	.83	2	9	6	0	0	0	1	1	4	5	1	-	-	
Hampshire	Alice Holt Lodge ..	9 9 9	378	47.5	37.7	42.6	-	54	2, 3, 4	21	24	-	-	3.16	105	.97	2	8	8	-	-	-	-	-	-	4	12	-	2.11	-
	Blackbushe ..	21-9 9	325	47.7	39.4	43.5	-	54	1, 3, 28	27	24	-	-	2.62	-	.71	3	9	8	0	0	0	1	1	4	4	1	-	-	
	Bournemouth ..	9 9 9	130	48.7	39.8	44.3	-1.2	57	4	28	24	46.2	51.5	2.22	65	.82	2	5	5	0	0	0	1	1	3	4	2	2.58	108	
	Everton ..	9 9 9	51	49.3	39.3	44.3	-	58	4	27	24	-	-	2.61	-	.82	3	5	5	0	0	0	2	1	6	2	6	0	2.47	-
	Hayling Island ..	9 9 9	13	49.3	41.1	45.2	-	58	4	30	24	-	-	2.94	-	1.23	3	6	6	0	0	1	0	-	1	-	3	-	2.66	-
	Leckford ..	9 9 9	385	47.5	37.8	42.7	-	54	3, 4	30	24	45.2	-	2.70	-	1.01	2	7	5	0	0	0	1	0	4	-	-	-	2.68	-
	Long Sutton ..	9 9 9	512	46.9	37.3	42.1	-1.0	54	1, 3	28	23	44.8	-	3.08	-	.83	4	8	8	-	0	-	-	10	5	12	3	1.85	93	
	Portsmouth ..	9 9 9	7	49.4	42.1	45.7	-0.8	57	4	32	24	48.4	53.7	2.67	88	1.18	3	6	5	0	0	0	0	1	4	-	-	-	2.51	105
	Ringwood ..	9 9 9	250	49.0	38.5	43.7	-	56	2	29	24	46.0	52.2	2.70	-	.98	2	7	5	0	0	2	3	1	4	7	0	-	-	
	Southampton ¶	2121 9 9	65	50.2	40.0	45.1	-0.3	58	2	29	24	-	-	2.64	84	1.02	2	6	5	0	0	0	1	3	1	3	1	2.35	107	
	S. Farnborough ..	21-9 9	226	48.2	39.3	43.7	-0.3	56	4	25	24	-	-	2.98	112	.93	2	9	7	0	0	2	1	1	4	6	0	2.04	99	
	Winchester ..	9 9 9	124	48.6	37.1	42.9	-	55	1, 2, 28	24	24	-	-	2.94	-	1.27	2	6	5	0	0	1	2	0	4	6	0	2.29	-	
L. of Wight	Newport ..	9 9 9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ryde ..	9 9 9	15	49.6	41.9	45.7	-1.1	57	3, 4	32	24	-	-	3.26	-	1.47	3	6	6	0	0	3	0	0	1	-	2	2.23	94	
	Sandown ..	9 9 9	13	50.0	42.1	46.1	-1.0	56	1, 3, 6	34	24	-	-	2.67	-	1.11	3	8	6	0	0	1	0	1	0	-	-	2.44	101	
	Shanklin ..	9 9 9	180	48.9	40.9	44.9	-	57	3	31	24	-	-	2.55	-	1.12	3	7	5	0	0	0	0	1	-	-	-	2.43	-	
	Ventnor Park ..	9 9 9	443	49.6	41.8	45.7	-	56	3, 4, 6	34	24	48.2	53.4	2.56	78	1.05	3	7	5	0	0	1	1	0	0	0	0	-	2.64	-
Wiltshire	Boscombe Down ..	21-9 9	414	47.0	38.6	42.8	-	54	4, 28	29	24	-	-	2.05	81	.81	2	7	5	0	0	1	1	0	2	7	1	2.36	-	
	Lacock (Lackham) ..	9 9 9	160	48.4	35.9	42.1	-	55	28	24	24	-	-	1.93	-	.52	3	6	6	0	0	0	1	6	-	0	-	-	-	
	Larkhill ..	9 9 9	431	47.2	37.3	42.3	-0.9	54	4	26	24	-	-	2.10	84	.74	2	8	5	0	0	0	1	3	6	5	1	-	-	
	Lyneham ..	21-9 9	457	46.7	37.9	42.3	-	53	4, 28	28	23, 24	-	-	1.66	-	.59	4	8	6	0	0	0	0	4	4	8	1	2.62	-	
	Porton ¶	9 9 9	362	47.3	37.4	42.3	-0.7	55	4	27	24	46.1	-	2.19	81	.70	3	7	5	0	0	1	0	2	4	11	1	2.39	108	
	Upavon ..	21-9 9	578	46.4	37.8	42.1	-	54	3	29	24	-	-	1.99	-	.67	2	8	6	0	0	0	1	1	4	6	0	-	-	
	West Lavington ..	9 9 9	305	48.0	36.1	42.1	-	54	3	25	25	-	-	2.63	-	.77	4	10	6	0	0	0	0	4	9	-	-	-		
7a ENGLAND, N.W.																														
Cumberland	Alston ..	9 9 9	1070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Keswick ¶	9 9 9	254	48.3	39.8	44.1	+0.5	55	21	26	7	44.7	50.3	2.11	37	.47	1	9	8	0	0	0	0	5	9	0	1.18	85		
	Newton Rigg ..	9 9 9	560	46.9	38.2	42.5	+1.2	53	28	23	7	-	-	.97	28	.24	2	10	6	0	0	1	0	2	5	7	0	1.53	115	
	Sellafield ..	9 9 9	43	50.1	41.0	45.5	-	60	13	32	7, 8, 14	-	-	1.70	-	.65	3	10	6	0	0	0	2	3	7	-	2.14	-		
	Silloth ..	21-9 9	25	48.3	40.1	44.2	-	54	12	23	8	-	-	1.37	-	.50	3	6	6	0	0	1	0	0	3	8	0	1.76	-	
Westmorland	Ambleside ..	9 9 9	151	48.5	40.3	44.4	-	55	27	24	7	-	-	3.36	43	.70	21	12	9	0	0	1	0	3	3	-	0	1.41	-	
	Moor House ..	9 9 9	1840	41.1	34.3	37.7	-	48	29	23	7	40.1	-	3.82	-	.70	5	18	14	2	2	0	0	13	11	14	0	1.20	-	
Lancashire	Bolton ..	9 9 9	342	47.9	39.0	43.5	+0.5	54	1	25	8	46.0	49.1	2.14	52	.88	1	9	8	0	0	0	3	5	7	-	1.86	160		
	Burnley ..	9 9 9	458	46.9	39.0	42.9	+0.8	51	21, 27	24	7, 8	44.6	49.1	2.29	-	.54	4	9	8	0	0	0	0	6	8	0	-	-		
	Darwen ..	2121 9 9	724	45.0	39.0	42.0	+0.1	50	1, 22	31	7, 8, 24	42.8	47.0	2.75	56	1.13	1	8	7	0	0	0	0	6	10	0	-	-		
	Helmsshore ..	9 9 9	854	45.2	39.0	42.1	-	49	21, 27, 28	30	8	44.1	-	2.88	-	1.06	1	9	9	0	0	0	3	3	9	-	1.74	-		
	Kirkham ..	9 9 9	77	48.9	40.1	44.5	-	53	28	24	7	-	-	1.09	31	.24	1	10	8	0	0	2	0	3	3	8	0	2.08	-	
	Manchester (Whitworth Pk.) ¶	2121 9 9	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Morecambe ..	9 9 9	24	48.9	41.4	45.1	+1.2	54	29	30	7, 8	-	-	1.53	40	.36	3	7	7	0	0	0	0	3	-	0	1.98	103		
	Nelson ..	9 9 9	540	46.7	39.1	42.9	-	53	21	26	7, 8	44.0	48.2	1.99	51	.50	4	12	9	0	0	0	0	5	9	-	-	-		
	Poulton-le-Fylde ..	9 9 9	38	49.2	39.5	44.3	-	53	21, 28, 29	23	7	-	-	1.35	-	.30	1	10	8	0	0	0	0	1	4	-	0			

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1 in. (or 2 mm.) or more	0.01 in. (0.25 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum					Date	Amount													Date		
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in.	in.									hr.	%		
8a SOUTH WALES																														
Cardigan	Aberporth ..	21-9 9	376	48.6	41.6	45.1	-	53	20, 21	30	8	-	-	2.10	51	.70	4	8	7	0	0	2	1	0	1	6	0	2.10	-	
	Aberystwyth ..	9 9 9	12	49.7	41.2	45.5	-	55	19	31	8, 9, 17	-	-	2.14	58	.51	2	8	7	0	0	0	1	0	4	-	2.33	114		
	„ Llety-ewan-hen	9 9 9	950	46.3	39.3	42.8	-	52	19	32	9	-	-	2.88	-	.66	4	8	6	0	0	2	0	2	1	7	-	2.08	-	
	„ P.B.S.*	9 9 9	452	48.4	40.5	44.5	-	55	1	33	8, 17, 23	-	-	2.28	-	.61	3	8	7	0	0	0	0	0	10	-	2.29	113		
	Gogerddan ..	9 9 9	103	49.9	38.5	44.2	-	56	19	27	8	-	-	2.12	-	.47	3	6	6	0	0	0	0	12	8	0	2.18	-	S	
	Swyddffynnon ..	9 9 9	588	47.8	37.5	42.7	-	53	19	25	23	-	-	3.80	-	1.03	5	10	7	0	0	3	2	0	6	-	2.38	-	S	
	Trawscod ..	9 9 9	200	50.2	38.0	44.1	-	58	1	25	8, 9	-	-	3.51	-	1.28	5	7	6	0	0	-	0	8	8	-	2.38	-		
Pembroke	Dale Fort ..	9 9 9	109	51.0	43.6	47.3	-	58	20, 21	37	8	-	-	2.10	-	.81	3	10	8	1	0	2	0	0	0	5	0	2.23	-	
	Haverfordwest ..	9 9 9	131	50.0	40.2	45.1	-0.7	55	19, 21	26	8	-	-	2.57	51	.72	3	10	9	1	0	0	0	0	0	-	-	-	-	
	Milford Haven ..	9 9 9	179	50.3	40.7	45.5	-	56	19	33	8, 9	-	-	2.69	-	.76	4	11	9	0	0	0	0	0	0	-	2.32	-		
	Pembroke Dock ..	21-9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Tenby ..	9 9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Radnor	Llandrindod Wells †§	9 9 9	772	46.5	36.7	41.6	-0.8	51	4, 21, 28	24	23	-	-	2.78	71	.73	3	9	7	0	0	0	0	0	7	-	1.83	117	S	
Brecknock	Llwynon ..	9 9 9	860	46.4	36.1	41.3	-	51	21, 28, 29	28	24	-	-	3.10	47	1.14	3	12	8	0	0	2	0	4	8	-	-	-		
Glamorgan	Cardiff .. †§	9 9 9	202	48.1	39.0	43.5	-1.6	55	1, 28	30	24	47.6	52.6	2.74	68	1.12	3	8	8	0	0	1	0	3	2	8	0	2.16	104	
	Neath ..	9 9 9	153	50.1	41.3	45.7	-	55	21	31	24	-	-	2.78	-	1.03	2	9	6	0	0	2	1	0	1	4	1	-		
	Port Talbot ..	9 9 9	24	51.3	40.9	46.1	-	55	2, 4	27	24	-	-	2.06	-	.88	3	9	6	0	0	2	1	0	3	6	-	2.08	-	
	Rhose ..	21-9 9	220	47.9	39.7	43.8	-	54	1	29	8	-	-	2.72	-	1.00	3	8	6	0	0	1	1	1	6	10	0	2.01	-	
	Swansea ..	9 9 9	27	50.0	41.4	45.7	-1.1	55	4	33	24	46.7	53.2	3.16	-	1.20	2	8	7	0	0	0	1	1	0	5	-	2.71	136	
Monmouth	Newport ..	9 9 9	75	-	-	-	-	55	28	29	24	-	-	2.48	-	1.28	3	8	4	0	0	1	0	4	4	-	0	2.21	-	
	Tredegar ..	9 9 9	1028	44.9	36.9	40.9	-	50	21, 28	27	24	-	-	2.46	-	.93	3	10	7	0	0	0	0	0	6	12	-	1.76	-	S
	Usk ..	9 9 9	70	49.1	36.6	42.9	-	58	28	22	24	45.7	-	2.33	-	1.15	3	6	4	0	0	0	0	0	9	11	-	2.02	-	
8b ENGLAND, S.W.																														
Somerset	Bath .. †§	9 9 9	67	48.4	38.2	43.3	-1.5	55	3	25	24	47.4	51.4	2.64	93	.78	1, 3	9	6	0	0	0	0	7	5	13	2	2.16	112	
	Bickenhall ..	9 9 9	231	48.2	37.2	42.7	-	55	2, 4	25	24	47.9	53.7	2.11	-	.85	4	7	5	0	0	0	0	2	6	12	1	2.45	-	
	Cannington ..	9 9 9	95	48.6	38.3	43.5	-	55	3	27	17, 24	-	-	2.07	-	.90	3	7	5	0	0	0	0	2	6	9	1	2.17	-	
	Long Ashton ..	9 9 9	162	48.3	37.9	43.1	-1.6	55	3	27	24	46.9	-	2.76	87	1.12	3	9	7	0	0	0	0	2	6	12	-	2.04	107	
	Weston-s.-Mare ..	9 9 9	28	48.2	39.0	43.6	-	55	3	28	24	-	-	3.25	114	1.15	1	7	6	0	0	0	0	6	5	8	-	2.09	101	
	Wootton Courtenay	9 9 9	486	47.6	38.6	43.1	-	53	3, 21, 28	28	24	-	-	3.08	-	.92	3	10	6	0	0	1	1	3	8	1	1	1.80	-	
Dorset	Poole ..	9 9 9	18	-	45.0	-	-	-	-	32	20	-	-	2.15	-	.75	2	5	5	0	0	0	0	1	1	-	-	2.43	-	
	Portland Bill ..	21-9 9	35	50.0	44.5	47.3	-1.7	57	4	36	24	-	-	2.03	72	.65	2	8	5	0	0	0	1	0	0	0	-	-		
	Shaftesbury ..	9 9 9	680	46.2	37.9	42.1	-1.4	53	4	30	24	-	-	2.44	-	.86	2	7	5	0	0	0	0	4	2	-	-			
	Swanage ..	9 9 9	34	49.5	41.4	45.5	-	56	2, 3	32	24	-	56.1	-	-	-	-	-	-	-	-	0	1	2	1	1	-	2.31	-	
	Weymouth ..	9 9 9	16	50.3	41.3	45.8	-1.6	56	1, 2, 3	30	24	-	-	2.53	82	1.15	2	5	5	0	0	1	1	0	1	-	2	2.86	118	
Devon	Chivenor ..	21-9 9	20	50.0	42.1	46.1	-	56	1, 19, 20	30	24	-	-	1.94	-	.55	3	6	6	0	0	2	1	0	3	7	2	2.17	-	
	*East Budleigh ..	9 9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Exeter ..	21-9 9	106	48.9	39.4	44.1	-	55	1, 2, 4	24	24	-	-	2.06	-	1.11	3	7	5	0	0	0	0	0	4	7	0	2.18	-	
	Exmouth ..	9 9 9	195	48.7	39.4	44.1	-2.1	54	2, 22	29	17, 24	-	-	1.85	-	.68	3	7	4	0	0	0	0	4	-	0	2.45	102		
	Hartland Pt. ..	21-9 9	298	48.8	44.0	46.4	-	56	19	37	15, 17	-	-	1.71	-	.38	3	7	6	0	0	3	0	1	0	0	3	1.82	-	
	Ilfracombe ..	9 9 9	25	50.3	43.9	47.1	-1.4	56	19	35	24	48.4	54.0	2.60	66	.87	3	7	6	0	0	1	0	0	0	3	-	2.00	105	
	†Newton Abbot ..	9 9 9	272	49.1	39.9	44.5	-1.4	55	2	27	24	-	-	2.39	66	.87	3	10	6	0	0	2	1	1	3	3	-	-		
	Paignton ..	9 9 9	8	50.1	41.1	45.6	-	56	2	29	24	-	-	3.01	-	.96	3	11	7	0	0	0	0	2	4	-	2.03	86		
	Plymouth (Mount Batten)	21-9 9	87	50.0	42.1	46.1	-1.7	55	4, 19, 20	28	24	-	-	2.82	76	1.11	3	7	7	0	0	3	0	0	2	4	-	2.12	90	
	Plymouth (The Hoe)	9 9 9	119	50.0	41.8	45.9	-1.7	55	4, 19	30	24	47.2	53.0	2.77	76	1.18	3	9	6	0	0	1	0	5	1	12	2	2.07	87	
	Princetown ..	9 9 9	1359	44.0	37.1	40.5	-	50	21	31	18, 24	-	-	3.79	43	1.17	3	8	8	0	0	1	0	6	4	5	-	-		
	Sidmouth ..	9 9 9	25	50.0	40.1	45.1	-1.6	56	4	29	24	-	-	1.93	-	.70	4	7	6	0	0	0	0	2	3	-	2.44	-		
	Starcross ..	9 9 9	29	-	39.7	-	-	-	-	27	24	-	-	2.08	-	.96	3	7	5	0	0	1	1	0	4	7	-	2.16	-	
	Tavistock ..	9 9 9	457	48.5	38.9	43.7	-1.9	55	20	27	24	-	-	2.60	52	.71	2	7	7	0	0	0	0	1	3	7	-	-		
	Teignmouth †§	9 9 9	20	50.3	42.2	46.3	-1.3	55	2, 4, 21	31	24	-	-	2.35	73	.86	3	7	6	0	0	0	1	0	3	3	-	2.28	92	

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers



3 8078 0006 6367 6

Volume 74 Number 12

Published by HER MAJESTY'S STATIONERY OFFICE

December 1957—*Changeable, rather mild.*

The anticyclonic weather which characterised the latter part of November was maintained over much of the country during the first five days of December, but depressions affected all districts from 6th to 10th. A dull period, with easterly winds, followed, but this was gradually replaced between 15th and 17th by a south-westerly regime which dominated the remainder of the month.

At the beginning of the month an anticyclone centred near or over the southern North Sea, gave some bright quiet days over England and Wales with frost and fog during the early mornings. Air temperature fell to 19°F. at Birmingham on the 2nd, and on the 4th and 5th fog persisted throughout the day over much of the Midlands and other urban areas and became especially dense around London. In the foggy areas temperatures remained around freezing all day.

The upper high, which was centred over the North Sea at the beginning of the month, retreated steadily to the Bay of Biscay, and the surface westerly regime, which was established over Scotland during the 3rd, extended to the whole of the British Isles by the 6th. On the 7th and 8th deepening depressions moved eastward across Scotland, giving gales in all parts of the country, and gusts of more than 60 kt. as far south as Cornwall. Rain was widespread and heavy in places; on the 7th more than 2 in. was recorded at Shawbury. After the passage of these depressions, northerly winds brought a sharp drop in temperature, scattered snow showers falling over Scotland and northern England on the 9th. The following day, fronts, associated with an intense depression on the Atlantic, gave widespread rain which turned to snow in many northern districts: several roads in Scotland were blocked. Gales were widespread and severe in places; during 13 hr. of gale, Plymouth at one time recorded a mean hourly wind speed of 55 kt.

The intense depression on the Atlantic had developed a circulation in depth by the 9th, and during the period up to the 13th the upper vortex moved steadily south-eastwards to the west of Ireland and into the Bay of Biscay, a major upper ridge meanwhile developing in mid-Atlantic. At the surface the centre of lowest pressure was transferred to the Bay of Biscay by the 12th, the whole of the British Isles meanwhile remaining in the cyclonic circulation. From 11th–13th winds over the country backed steadily from south-east to east and north-east, weather being mostly dull with occasional rain. Subsequently, the depression was transferred eastward and a ridge of high pressure moved rather slowly south-eastwards across the British Isles. This gave three colder and mainly dry days, from 15th–17th, with early morning frosts and fog patches, though there was some snow in the north-east of England and the Midlands on the 15th. By the 16th patches of fog were persisting all day in many parts of England and Wales and temperature fell lower than that night at many places in southern England than at any other time during the month. Milder air from the Atlantic reached western Scotland on the 15th and slowly extended southward behind the ridge reaching the south coast of England by the 18th. Weather became cloudy and mild, with frequent slight rain and moderate south-westerly winds, until the 22nd. The following day a surface low formed off south-west England, just ahead of an upper air trough, and developed a circulation in depth; subsequently it moved slowly south-east. There was rain and local thunderstorms in the south-west but the area of influence of the depression was limited and in the north weather was mainly dry with light variable or north-easterly winds and patches of mist or fog; Glasgow was fog-bound for much of the 23rd and 24th. Christmas day was bright and dry in many places, but cloudy rainy weather spread to north-western districts during the afternoon with wind reaching gale force locally. Mild changeable weather was maintained for most of the remainder of the month, but colder air swept across the northern part of the country on the 29th and minor waves on a cold front gave heavy rain and snow in the north of England on the 31st.

Pressure and wind. Mean pressure at 9 h. was mainly below the average, the difference ranging from +0.1 mb. at Spurn Head and Bath to -3.1 mb. at Lerwick. Winds were light and variable or south-easterly until the 5th, freshening and becoming mainly westerly until the 8th, were north-westerly on the 9th and mainly south-easterly on the 10th, gradually backing to north-east by the 14th. During the second half of the month winds were predominantly from a south-westerly direction. Gales occurred in exposed places on 22 days in Scotland and on 11 days in England and Wales; gusts reached 71 kt. at Stornoway on the 19th and 76 kt. at Plymouth on the 10th.

Temperature. Mean temperature was near the 1921–50 average in England and Wales and also in Scotland but exceeded the average by 0.5°F. in Northern Ireland. The warmest days of the month were the 7th and 20th when temperature at many places rose to the upper fifties. Low ground temperatures included 1°F. at Glenlivet on the 10th and 3°F. at Dalwhinnie on the 14th.

Extreme temperatures included:—(England and Wales) 60°F. at Weston-super-Mare on the 20th, 12°F. at Moor House on the 15th; (Scotland) 58°F. at Peebles on the 8th, 10°F. at Kincaig on the 14th; (Northern Ireland) 57°F. at Kilkeel on the 7th and 20°F. at Ballykelly on the 15th.

Precipitation. The general precipitation expressed as a percentage of the 1881–1915* average was 83 over England and Wales, 114 over Scotland and 132 over Northern Ireland. Many places in England recorded no measurable rain from mid-November to about December 5. Rainfall was heavy in the north and west of the country on the 6th and 7th and there was a period of general rainfall on 10th–13th, much of southern England experiencing the heaviest rainfall of the month on the 12th. The period 18th–22nd was particularly wet in Scotland and falls exceeding 4 in. were recorded at some places on the 19th. Rainfall was mainly slight in England from the 24th but there were heavy falls in the north of England and Northern Ireland on the 31st.

Among the heavier falls in 24 hr. or less were:

- 7th 2.41 in. at Oughtershaw in Yorkshire (W.R.) and 2.16 in. at Nenthead in Cumberland.
- 19th 4.03 in. at Ardour House in Argyllshire.
- 21st 3.25 in. at Loch Hourne in Inverness-shire.
- 31st 2.10 in. at Newcastle, Co. Down and 2.06 in. at Ilkley in Yorkshire (W.R.).

Thunder was heard at several places in Devon on the 11th, and locally elsewhere on the 9th, 20th, 21st, 23rd and 29th.

Moderate snowfalls, which blocked some roads, occurred in Scotland between the 6th and 14th, and snow lay 3–6 in. deep in a number of districts on 8th–11th. Snow and sleet fell on 10th–15th, 17th, 25th, 30th and 31st in England and Wales. On the 15th snow fell as far south as the Kent coast and ground was snow covered at many places in north-east England and the Midlands. Much of the precipitation in Yorkshire on the 31st was in the form of snow.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 124 over England and Wales, 139 over Scotland and 125 over Northern Ireland. At Birmingham it was the sunniest December since 1929.

Fog. Early morning fog occurred somewhere or other on most days and some places in the Midlands reported up to 12 days with fog. It was most persistent during the first and third weeks and in the northern part of the country around the 23rd.

Miscellaneous Phenomena. The aurora was observed on 6 nights in Scotland.

* N.B. From January 1958 precipitation will be expressed as a percentage of 1916–50 averages.

MWR dup

TABLE I—DISTRICT VALUES—DECEMBER, 1957

[1908, revised 1928, 1941 and 1956]

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	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	
			Max.	Min.	Mean						
0 SCOTLAND, N.	56	10	-0.4	-0.5	-0.5	—	—	127	-1	152	
Eastern											
1 SCOTLAND, E.	58	11	+0.7	-0.2	+0.3	—	—	121	-4	145	
2 ENGLAND, N.E.	58	17	+0.7	-0.7	+0.1	+1.1	+0.6	83	-3	114	
3 ENGLAND, E.	57	16	+0.5	-0.2	+0.2	-0.5	+0.1	87	-3	120	
4 MIDLAND COUNTIES	58	17	+0.4	-0.9	-0.3	+0.7	+1.0	84	-3	115	

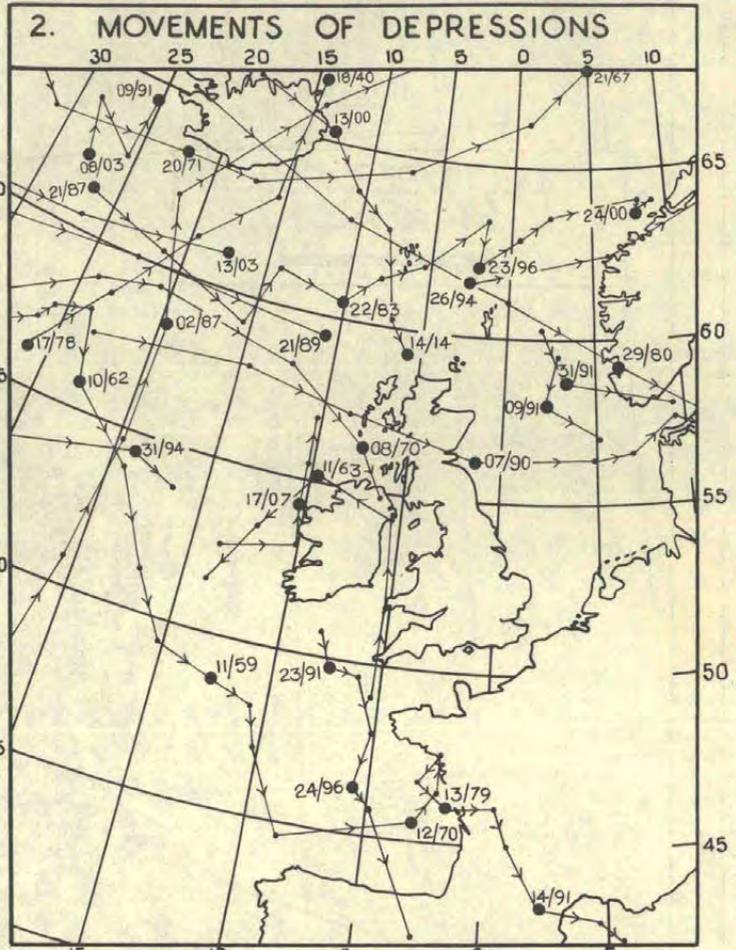
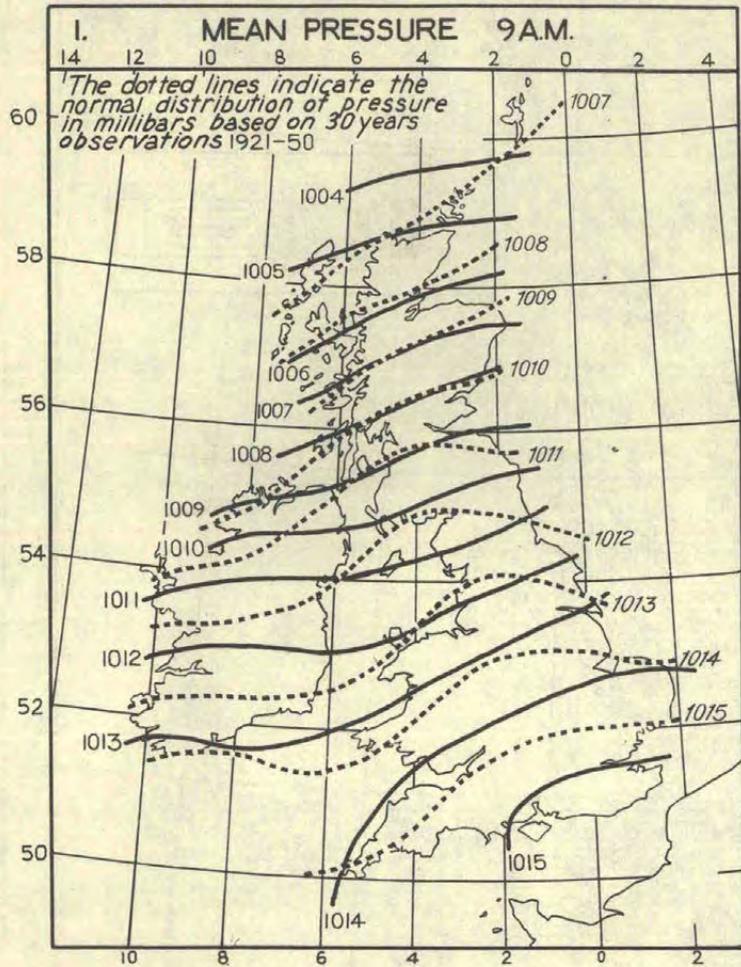
DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	
			Max.	Min.	Mean						
5 ENGLAND, S.E.	58	16	+0.7	-0.6	+0.1	-0.8	+0.8	72	-2	123	
Western											
6 SCOTLAND, W.	57	14	+0.9	0.0	+0.5	+2.3	+1.5	97	0	120	
7 ENGLAND, N.W. (and N. Wales)	59	12	+0.8	-0.3	+0.2	+0.6	+0.9	103	-3	153	
8 ENGLAND, S.W. (and S. Wales)	60	18	+0.1	-1.0	-0.4	-0.7	-0.1	61	-3	120	
NORTHERN IRELAND	57	20	+0.7	+0.3	+0.5	—	—	—	-1	125	

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—DECEMBER, 1957

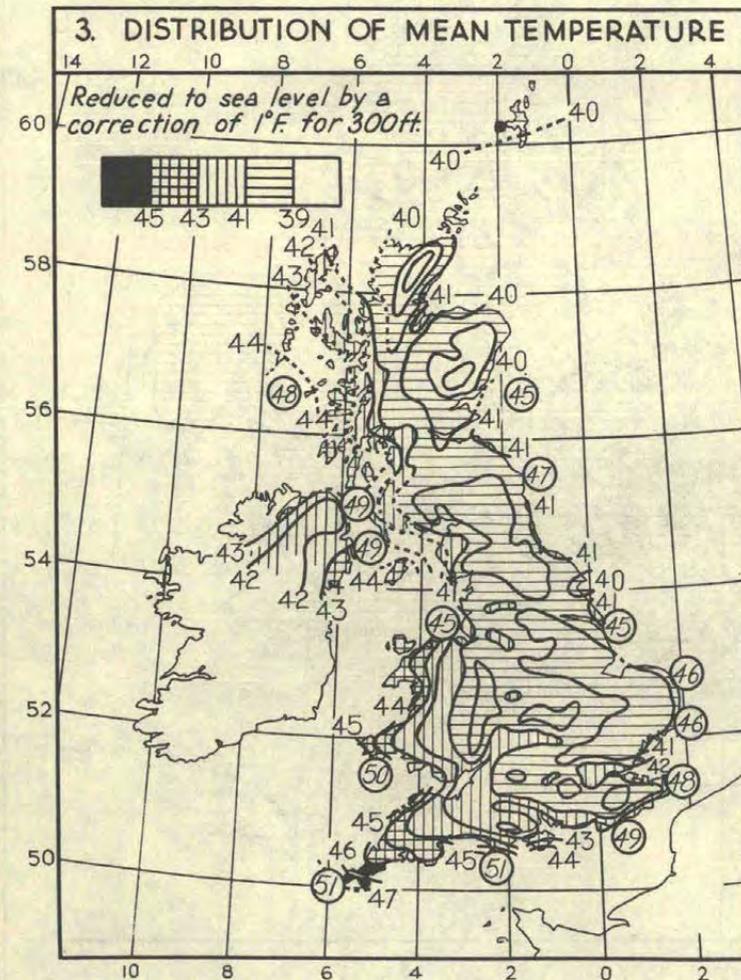
[1914]

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Wind										Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Wind Speed	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	Day and Time			
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	knots	day hr.	knots	day	h.m.				
SCOTLAND																				
0 Shetland Lerwick	310	53	37	15,19-21,25,26	27	20	191	325	133	68	0	22.0	160	51	19	09	71	19	0830	
Orkney Grimsetter	134	50	33	20,21,29	6	16	168	364	171	35	0	15.5	250	40	21	03	74	21	0130	
Caithness Halkirk																				
Ross & Cromarty																				
Stornoway (Coastguard)	120	40	36	+2,3,5,8	94	24	286	280	59	25	0	22.0	160	51	19	09	71	19	0830	
Inverness Benbecula	69	51	35	++8,10,12,18	27	25	268	268	134	47	0	18.2	060	45	8	13	67	20	1705	
1 Aberdeen Dyce	225	40	40	—	0	7	23	277	248	196	0	8.9	200	28	19	13	46	29	1130	
Angus Bell Rock Lighthouse	128	13	124	—	0	10	89	253	274	128	0	11.0	230	31	20	04	45	—	1105	
File Leuchars	79	41	41	—	0	10	89	253	274	128	0	11.0	230	31	20	04	45	—	1105	
Midlothian Edinburgh	485	39	23	19,20	10	7	40	233	228	233	0	9.0	220	(41)	19	23	—	—	—	
6a Argyll Tiree	89	60	47	8,10,11,18,21	40	25	299	241	84	80	0	19.0	130	41	10	09	66	20	2315	
Bute Millport	50	34	34	8,11	5	18	156	352	163	68	0	15.0	060	38	11	07	54	8	0330	
Renfrew Paisley	188	81	31	—	0	4	14	206	326	198	0	7.7	180	26	20	03	53	8	0435	
Renfrew	71	41	39	—	0	9	59	288	254	143	0	10.5	200	33	19	22	51	20	0305	
Ayr Prestwick	80	50	40	—	0	9	38	303	265	138	0	8.9	280	29	8	05	52	8	0230	
Dumfries Eskdalemuir	825	50	35	19,20	4	7	38	249	244	209	0	8.9	220	35	19	22	56	20	0215	
ENGLAND and WALES																				
6b Isle of Man Point of Ayre ..	70	40	35	10,11,29	6	16	126	375	190	47	0	14.5	120	40	11	05	60	11	0520	
2 Durham Durham	339	53	33	—	0	7	39	274	268	163	0	9.2	210	32	20	01	56	20	0040	
South Shields	73	57	44	—	0	7	66	250	346	82	0	10.4	035	29	13	02	49	8	0448	
Yorks.,N.R. Linton-on-Ouse ..	73	27	33	—	0	7	66	250	346	82	0	10.4	035	29	13	02	49	8	0448	
Yorks.,E.R. Spurn Head	64	44	34	8,10,11	16	14	129	312	204	83	0	14.0	(130)	39	11	03	49	11	0245	
Lincoln Cranwell	288	47	47	—	0	5	18	186	315	225	0	7.7	260	27	8	08	45	8	0720	
3 Norfolk Gorleston	52	42	34	10,11	5	11	82	203	293	161	0	10.1	140	35	11	02	46	11	0150	
Suffolk Felixstowe	85	75	65	—	0	8	29	321	231	163	0	10.0	150	30	11	02	48	8	1110	
Mildenhall	98	83	60	—	0	6	30	263	363	88	0	9.9	250	28	8	13	53	8	0635	
Bedford Cardington	285	150	135	—	0	3	10	223	443	68	0	8.9	240	25	8	04	46	8	0730	
Dunstable	567	55	33	—	0	8	47	334	280	83	0	12.4	240	31	8	05	54	8	0735	
Herts. Stevenage	564	111	65	—	0	13	101	397	233	13	0	13.6	140	29	10	22	52	8	0915	
Essex Shoeburyness	115	104	89	—	0	3	4	214	466	60	0	8.8	200	23	20	15	47	10	2325	
4 Warwick Birmingham	643	118	73	—	0	2	10	201	365	168	0	8.0	200	26	20	07	48	11	0155	
Stafford Keele	706	50	40	—	0	2	10	201	365	168	0	8.0	200	26	20	07	48	11	0155	
Gloucester Avonmouth	92	61	33	8,10	4	10	63	234	269	174	0	10.0	280	37	8	18	56	10	2355	
5 London Kingsway	231	160	40	—	0	0	0	123	412	209	0	6.1	270	19	8	08	33	8	1910	
Middlesex Hampton	139	101	100	—	0	2	9	169	324	242	0	8.3	270	25	8	09	49	8	0820	
Surrey Croydon	313	105	70	—	0	2	21	285	249	189	0	8.8	250	28	8	17	48	8	1650	
Kew Observatory	92	75	50	—	0	1	1	200	387	156	0	7.9	210	22	20	24	45	8	0810	
Kent Dover	66	36	60	—	0	7	36	242	274	192	0	8.9	060	27	12	18	50	8	1935	
Dungeness	70	50	33	7,8,10	13	16	161	293	196	26	55	15.5	260	39	8	21	57	8	2015	
Isle of Grain	48	40	33	—	0	4	14	243	259	228	0	8.1	260	27	8	09	48	8	2000	
Sussex Thorney Island	75	65	42	—	0	3	17	232	211	284	0	7.5	180	26	11	01	45	10	2315	
Hants. S. Farnborough	318	69	35	—	0	2	17	189	336	202	0	7.3	250	28	8	19	54	8	0735	
Berks. Abingdon	250	40	40	—	0	6	28	233	278	205	0	8.5	240	26	8	04	45	8	1330	
Wiltshire Larkhill	491	51	36	—	0	7	63	208	308	165	0	9.4	030	33	12	21	51	8	1845	
Porton	406	44	44	—	0	8	62	226	288	168	0	9.5	270	28	8	20	49	8	1305	
7a Cumberland Sellafield	83	39	35	—	0	7	35	256	335	95	23	10.0	110	31	11	06	57	11	0405	
Westmorland																				
Moor House	1960	50	45	*																
Lancashire Fleetwood	112	50	31	—	0	11	87	339	287	31	0	12.8	180	30	11	05	61	11	0425	
Southport	63	45	36	8	4	8	63	232	266	157	22	9.5	260	38	8	06	61	8	0530	
Speke	180	100	65	11,20	8	10	64	293	238	132	9	11.3	140	39	11	03	56	11	0405	
Cheshire Bidston Observatory	262	64	39	8	2	9	78	239	334	91	0	—	280	37	8	05	62	8	1051	
Manchester Airport	318	70	30	—	0	8	46	304	348	46	0	11.1	140	33	11	03	53	11	0145	
7b Anglesey Holyhead (Valley) ..	76	50	40	7,8,11,20	17	16	129	350	159	89	0	14.6	240	36	8	12	55	8	0430	
8a Cardigan Aberporth	483	41	41	8,9	20	18	148	341	210	25	0	15.4	270	44	8	15	65	8	1615	
Pembroke Kete	249	49	37	—																
Milford Haven	246	50	35	*																
Glamorgan Port Talbot	91	40	35	8,10,11	8	13	97	314	223	102	0	12.3	160	46	10	23	71	10	2226	
8b Devon Plymouth	191	88	65	10	13	13	86	249	273	123	0	11.8	—	55	10	21	76	10	211	

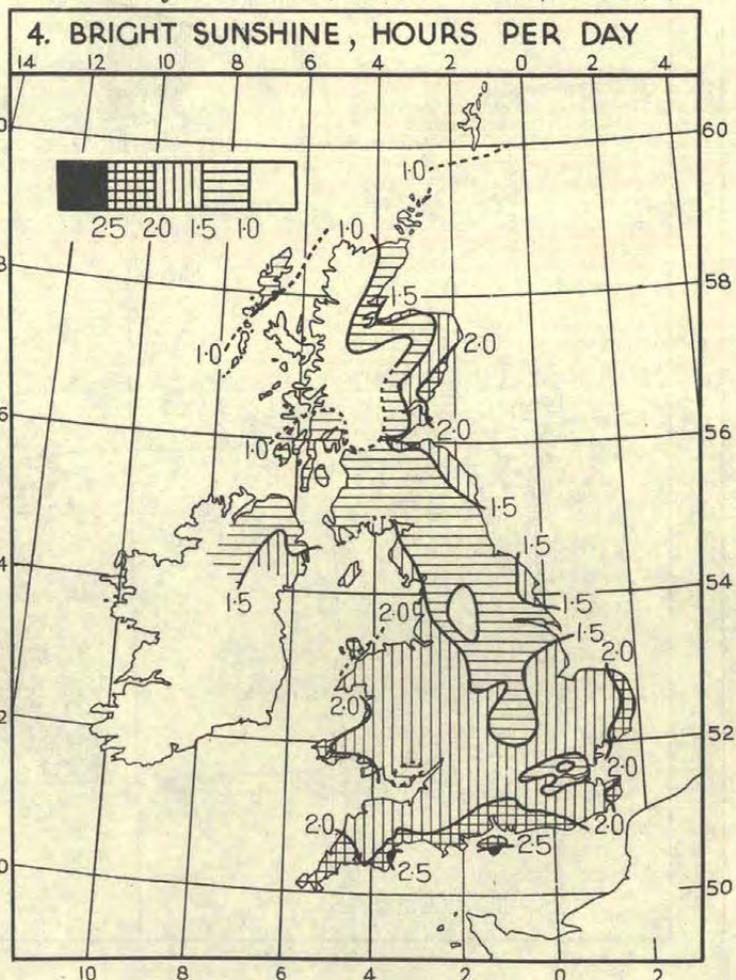
MONTHLY WEATHER CHARTS DECEMBER 1957

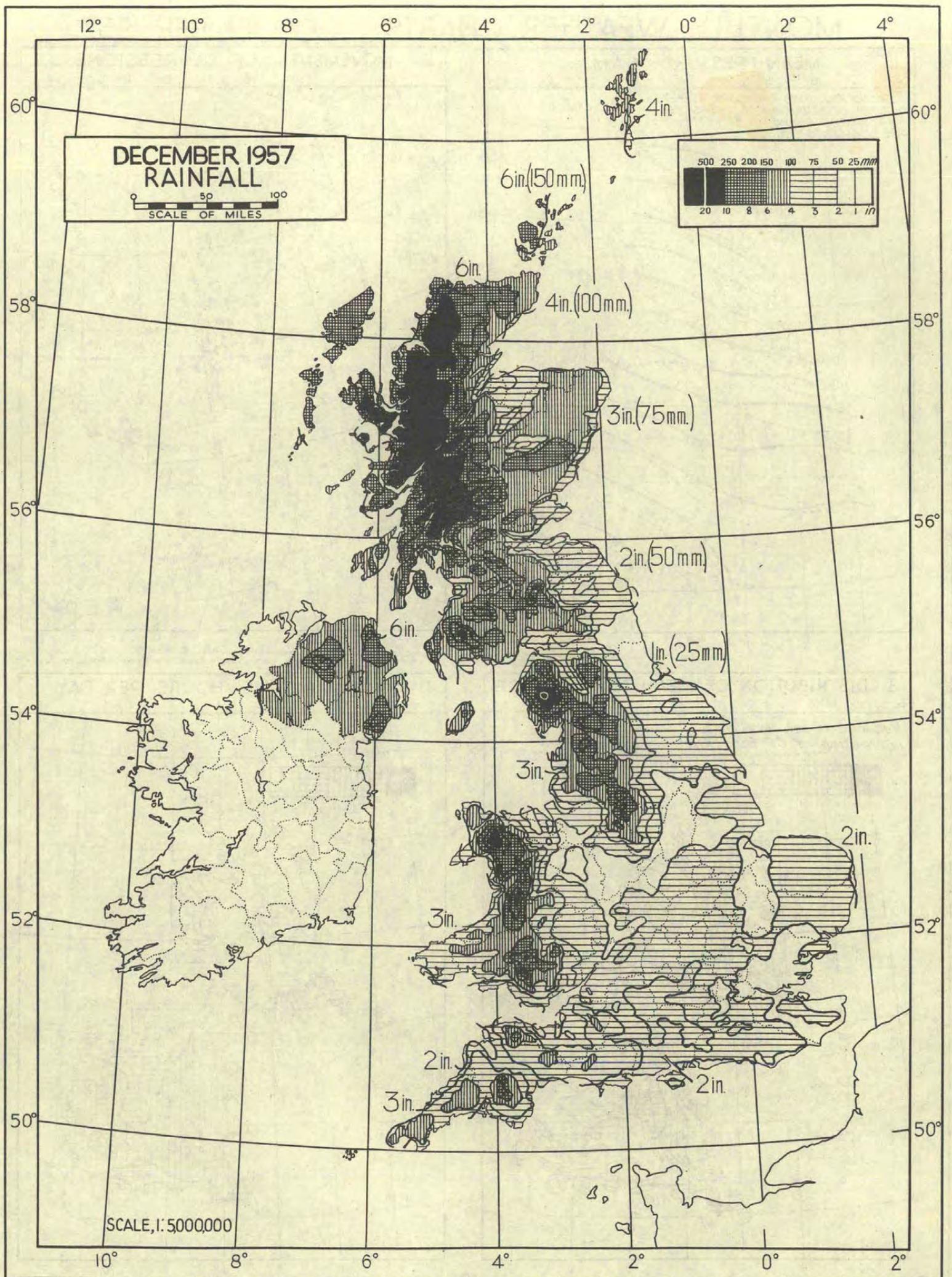


*Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)*



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





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

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER, 1957

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	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average						
			A Max.	B Min.		Maximum	Date	Minimum					Date	Amount											Date					
			Max. Min. Rain	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	in. (0.2 mm. or more)	in. (1.0 mm. or more)							hr.	%					
4 MID COUNTIES—cont.																														
Warwick—	Rugby ..	9 9 9	385					55	7, 20	22	16	40.3	—	2.28	—	.34	23	15	11	1	0	0	0	—	10	14	1	—	—	
cont.	Shipston on Stour	9 9 9	365	44.8	34.3	39.5	—	56	7	22	4, 16	41.3	—	2.44	—	.60	10	23	18	13	0	0	0	0	4	11	17	1	1.93	—
	Stratford on Avon	9 9 9	160	46.2	33.1	39.7	—	57	10	18	16	40.9	—	1.88	83	.64	23	15	12	1	0	0	0	0	3	14	18	0	1.51	—
	Wellesbourne ..	9 9 9	153	45.1	35.5	39.3	—	57	7, 20	20	16	39.6	43.7	2.17	94	.58	23	16	12	0	0	0	0	0	5	13	15	0	1.58	—
Oxford	Oxford ..	9 9 9	208	45.4	34.9	40.1	-0.2	56	20	23	2, 3	40.2	44.9	2.53	103	.68	12	14	12	0	—	0	0	0	6	10	4	0	2.01	123
Buckingham	Aylesbury ..	9 9 9	316	45.4	34.4	39.9	—	55	20	21	4, 16, 17	—	—	2.42	—	1.01	12	13	11	0	0	0	0	—	12	16	0	—	—	
Stafford	Keele ..	9 9 9	587	44.1	33.3	38.7	—	55	20	22	4	40.0	45.0	1.66	—	.23	4	17	12	3	0	0	0	0	4	13	16	0	1.86	—
	*Market Drayton	9 9 9	581	43.3	32.7	38.0	—	54	7, 21, 27	22	16	—	—	1.25	—	.22	6	12	10	1	0	0	0	0	7	14	17	1	1.85	S
	Oaken ..	9 9 9	409	43.9	32.9	38.4	—	56	7, 20	21	3	40.5	—	1.37	—	.28	10	16	12	—	—	—	—	—	1	12	17	—	—	
	Stone ..	9 9 9	350	44.2	30.6	37.4	—	55	7, 20	19	17	—	—	1.33	—	.28	6	15	9	0	0	0	0	5	18	21	0	1.61	—	
Shropshire	Newport ..	9 9 9	211	44.4	32.5	38.5	—	56	20	21	16	—	—	.97	40	.28	10	13	7	1	0	0	0	1	11	22	—	1.51	S	
	Oswestry ..	9 9 9	570	45.2	34.6	39.9	—	55	7	26	2, 3	—	—	1.70	—	.35	11	16	13	2	0	0	0	2	10	18	0	2.04	—	
	Shawbury ..	21-9 9	235	44.7	34.3	39.5	—	56	7, 20	20	2, 3, 16	—	—	.90	—	.18	8	13	8	4	0	0	0	3	10	17	1	1.08	S	
	Shrewsbury ..	9 9 9	184	46.1	34.2	40.1	—	57	7	22	16	41.9	47.7	.95	39	.20	10	19	8	1	0	0	0	5	11	16	2	2.03	—	
Worcester	Defford ..	21-9 9	55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Droitwich ..	9 9 9	106	45.0	32.5	38.7	—	55	19	19	3, 16	—	—	1.62	—	.50	23	14	11	0	0	0	0	3	13	—	0	1.59	—	
	Halesowen ..	9 9 9	505	44.2	33.3	38.7	—	56	7	20	16	40.5	45.9	2.41	—	.66	23	18	13	1	0	0	0	3	12	11	2	1.82	—	
	Malvern ..	9 9 9	203	45.3	35.2	40.3	-0.1	58	7	23	4	40.7	46.8	2.24	81	.86	23	18	10	2	0	0	0	4	12	11	0	1.58	91 S	
	Pershore (Institute of Horticulture)	9 9 9	130	—	—	—	—	57	7	23	16	—	—	1.82	—	.72	23	15	10	0	0	0	0	3	10	12	5	1.31	—	
	Worcester (Redhill)	9 9 9	190	45.3	33.7	39.5	—	57	7	20	16	—	—	1.74	73	.70	23	15	7	0	0	0	0	2	12	22	0	1.89	—	
Hereford	Lyonshall ..	9 9 9	510	44.1	33.7	38.9	—	55	7	21	2	—	—	2.82	—	.51	10	19	13	—	—	—	—	—	13	19	—	—	—	
	Preston Wynne ..	9 9 9	274	44.6	32.0	38.3	—	56	20	17	3	—	—	2.43	—	.98	23	15	10	0	0	0	0	7	15	19	2	1.78	—	
	Ross-on-Wye ¶	21-9 9	223	44.3	35.5	39.9	-1.1	58	7	19	3	40.3	45.3	2.80	94	1.10	23	17	11	0	0	0	0	4	10	14	3	1.70	102	
Gloucester	Bristol (Filton) ..	21-9 9	192	45.0	36.0	40.5	—	56	20	22	4, 16	—	—	1.89	—	.36	10	16	11	0	0	0	0	5	9	14	4	1.50	—	
	Cirencester ..	9 9 9	443	44.3	33.0	38.7	—	54	7	23	4	—	—	2.61	75	.67	10	16	14	1	0	0	0	4	13	16	2	1.93	—	
	Little Rissington	21-9 9	740	42.7	35.6	39.1	—	54	7, 20	26	2, 15	—	—	1.98	—	.60	10	16	14	2	0	0	0	7	11	16	0	2.02	—	
	Ruscombe ..	9 9 9	610	44.3	34.6	39.5	—	54	20	24	16	—	—	2.80	—	.61	12	19	13	0	0	0	0	6	10	—	1	—	—	
5 ENGLAND, S.E.																														
London	Bunhill Row ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.95	156
	Camden Square ..	9 9 9	110	45.6	36.3	40.9	-0.2	55	7, 19	25	17	42.5	47.9	1.68	70	.66	12	14	10	—	—	—	—	—	8	11	—	—	—	
	Greenwich (Maritime Museum)	9 9 9	24	48.3	35.3	41.8	—	54	7, 8, 20	22	17	—	—	1.65	—	.59	12	13	8	—	0	—	—	—	9	11	—	1.27	—	
	Hampstead ..	9 9 9	450	44.4	35.0	39.7	+0.8	54	7	24	17	—	—	1.98	77	.71	12	17	11	1	—	0	0	—	9	15	0	1.41	117	
	Kensington ..	9 9 9	81	45.9	36.2	41.1	-0.2	56	7, 8	24	17	42.4	47.2	1.99	84	.89	12	13	10	0	0	0	0	—	10	10	0	—	—	
	Kingsway ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Regent's Park ..	9 9 9	129	46.1	36.1	41.1	—	55	20	23	17	—	—	1.76	—	.75	12	11	10	0	—	0	0	1	8	11	—	0.91	106	
	Westminster ..	9 9 9	27	46.3	37.0	41.7	-0.1	56	7	25	17	—	—	1.86	87	.75	12	13	10	0	—	0	0	—	8	13	—	—	—	
Middlesex	Hampton ..	9 9 9	39	46.0	35.0	40.5	—	55	7	21	17	—	—	1.75	—	.59	12	14	11	0	0	0	0	5	11	15	1	1.69	—	
	London Airport ..	21-9 9	82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Southgate ..	9 9 9	221	45.0	34.9	39.9	—	55	7	24	17	42.5	—	1.98	—	.78	12	14	11	0	0	0	0	6	11	13	0	0.85	—	
	Wealdstone ..	9 9 9	175	44.9	34.1	39.5	-0.8	55	7	19	17	41.0	49.4	2.05	80	.77	12	16	11	0	0	0	0	9	13	18	0	—	—	
Surrey	Addington ..	9 9 9	474	44.1	34.8	39.5	+0.2	54	7	25	4, 16	—	—	2.33	—	.70	12	15	12	—	—	—	—	1	10	—	—	—		
	Croydon ..	21-9 9	201	45.1	36.0	40.5	-0.2	56	7	22	17	—	—	2.15	79	.66	12	12	10	1	0	0	0	3	9	12	0	1.55	119	
	Farnham ..	9 9 9	260	45.4	31.7	38.5	—	55	7	17	17	—	—	2.03	—	.33	10	18	13	0	0	0	0	5	15	17	1	—	—	
	Kew Observatory ¶	21-9 9	18	44.9	37.2	41.1	-0.3	56	7	23	17	41.0	46.5	1.73	76	.72	12	14	9	0	0	0	0	6	9	17	0	1.56	123	
	Mickleham ..	9 9 9	179	45.2	32.2	38.7	—	56	7	16	17	—	—	2.15	—	.57	12	13	11	1	0	0	0	—	14	23	—	—	—	
	Wisley ..	9 9 9	150	44.6	33.5	39.1	-1.0	54	7, 20	19	17	40.6	46.0	2.15	86	.50	12	15	11	0	0	0	0	4	12	18	2	1.29	98 S	
Kent	Bromley ..	9 9 9	213	46.4	34.7	40.5	+0.1	55	7	22	17	—	—	1.82	75	.84	12	8	7	0	0	0	0	8	9	—	—	—		
	Dartford ..	9 9 9	17	46.1	34.1	40.1	—	56	7																					

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER, 1957

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean, Difference from Average, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day, Precipitation); Weather (Number of days for various conditions); and Bright Sunshine (Daily Mean, Percentage of Average).

* Sunshine recorder is at Seed Trial Grounds

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER, 1957

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 Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n in (0.02 mm) (1.0 mm) (0.1 in.) (1.0 in.)	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum					Date	Amount												Date			
			Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%			
8a SOUTH WALES																														
Cardigan	Aberporth ..	21-9 9	376	46.4	39.1	42.7	-	55	7, 20	28	15, 16	-	-	3.01	69	.86	10	16	12	1	0	1	0	1	3	9	2	2.15	-	
	Aberystwyth ..	9 9 9	12	47.4	37.5	42.5	-	53	20	25	16	-	-	2.49	63	.63	6	18	12	0	0	0	0	0	0	9	-	2.14	146	
..	Llety-evan-hen ..	9 9 9	950	44.5	36.2	40.3	-	52	20	26	3, 15	-	-	4.72	-	.89	31	20	14	0	0	1	0	3	6	11	-	2.03	-	
	.. P.B.S.* ..	9 9 9	452	46.2	37.0	41.6	-	55	20	26	16	-	-	2.55	-	.61	6	17	13	0	0	0	0	2	6	11	-	2.20	-	
Gogerddan	..	9 9 9	103	48.4	33.9	41.1	-	56	20	21	16, 17	-	-	2.90	-	.67	6	16	13	0	0	0	0	0	0	11	13	0	2.06	-
	Swyddfynnon ..	9 9 9	588	45.9	33.5	39.7	-	54	7	19	16	-	-	4.13	-	.94	6	19	17	1	0	0	0	1	10	-	2	-	-	
Trawscoed	..	9 9 9	200	48.5	34.3	41.4	-	59	20	20	15, 16	-	-	3.37	-	.85	7	19	12	-	0	-	-	-	0	11	22	-	1.90	-
	..	9 9 9	109	49.2	40.5	44.9	-	54	6, 7, 20	31	16	-	-	2.76	-	.96	10	15	12	0	0	0	0	1	2	9	2	2.25	-	
Pembrokeshire	Dale Fort ..	9 9 9	131	49.1	37.5	43.3	+0.4	56	20	21	16	-	-	4.22	74	1.57	10	19	13	-	-	-	-	-	-	-	-	-	-	
	Haverfordwest ..	9 9 9	179	48.6	38.8	43.7	-	59	7	26	16	-	-	3.46	-	1.35	10	20	12	0	0	0	0	1	5	-	-	2.37	-	
Milford Haven	..	9 9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Pembroke Dock ..	21-9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tenby	..	9 9 9	772	44.1	32.8	38.5	-0.6	54	7	19	3, 16	-	-	3.40	70	.62	10	17	14	0	-	-	-	3	14	-	-	1.46	127	
	..	9 9 9	860	44.6	33.2	38.9	-	53	7	21	16	-	-	7.10	86	1.53	10	23	19	4	0	0	0	3	15	-	-	-	-	
Radnor	Llandrindod Wells †	9 9 9	202	46.0	36.0	41.0	-0.6	55	20	25	16	42.3	47.8	2.40	48	.60	11	17	15	0	0	0	0	4	10	17	2	1.76	113	
Brecknock	Llwynon ..	9 9 9	153	47.7	37.4	42.5	-	55	7	25	16	-	-	3.53	-	.55	6	18	17	0	0	0	0	2	6	8	2	-	-	
Glamorgan	Cardiff .. †	9 9 9	24	48.5	38.0	43.3	-	54	7, 20	24	16	-	-	2.65	-	.39	6	18	15	0	0	0	0	0	7	8	-	1.81	-	
	Neath ..	9 9 9	220	45.2	37.2	41.2	-	54	20	23	16	-	-	1.65	-	.29	7	18	12	0	0	1	0	3	10	13	4	1.20	-	
Port Talbot	..	9 9 9	27	48.5	38.7	43.6	+0.2	56	8	28	16, 17	42.8	48.8	2.89	-	.54	6	17	15	0	0	0	0	2	4	7	-	2.03	137	
	Rhosee ..	21-9 9	27	48.5	38.7	43.6	+0.2	56	8	28	16, 17	42.8	48.8	2.89	-	.54	6	17	15	0	0	0	0	2	4	7	-	2.03	137	
Swansea	..	9 9 9	75	46.2	35.0	40.6	-	55	7, 20	24	16	-	-	2.95	-	.59	23	17	15	0	0	0	0	3	12	-	0	1.49	-	
	Newport ..	9 9 9	1028	43.7	33.4	38.5	-	52	7, 19, 20	21	16	-	-	4.20	-	.74	23	18	17	0	0	0	0	-	11	18	-	1.80	-	
Tredegar	..	9 9 9	70	46.4	32.5	39.5	-	57	7	18	3	40.4	-	2.88	-	.69	23	18	13	0	0	0	0	4	17	20	-	1.28	-	
	Usk ..	9 9 9	67	46.1	34.7	40.4	-0.8	56	20	21	16, 17	42.2	46.3	2.44	70	.59	11	18	12	0	0	0	0	5	10	18	5	1.55	105	
8b ENGLAND, S.W.																														
Somerset	Bath .. †	9 9 9	231	46.8	34.2	40.5	-	56	7	18	17	43.1	49.1	4.03	-	1.67	10	18	13	0	0	0	0	3	11	14	2	1.79	-	
	Bickenhall ..	9 9 9	95	46.8	35.7	41.3	-	58	20	22	17	-	-	1.92	-	.56	10	16	11	0	0	0	0	4	12	15	0	1.73	-	
Cannington	..	9 9 9	162	46.5	34.7	40.6	-0.6	56	20	23	3, 16	42.5	-	2.56	66	.64	10	18	12	0	0	0	0	3	10	18	-	1.67	114	
	Long Ashton ..	9 9 9	28	46.2	36.9	41.5	-	60	20	25	16	-	-	2.04	62	.53	10	16	13	0	0	0	0	3	10	10	-	1.90	124	
Weston-s.-Mare	..	9 9 9	486	46.6	35.2	40.9	-	55	7	23	17	-	-	3.31	-	.76	10	19	17	0	0	0	0	1	10	11	2	1.87	-	
	Wootton Courtenay	..	9 9 9	18	47.0	33.7	40.3	-	53	8, 20	20	17	-	-	2.26	-	.44	22	16	11	0	0	0	0	4	15	-	2.24	-	
Dorset	Poole ..	9 9 9	35	48.4	43.2	45.8	+0.6	54	7, 9	29	17	-	-	2.41	77	.79	22	16	10	0	0	0	0	2	-	2	-	-	-	
	Portland Bill ..	21-9 9	680	44.7	35.4	40.1	+0.4	53	7	24	16, 17	-	-	3.42	-	.93	10	17	13	0	0	0	0	2	9	-	-	-	-	
Shaftesbury	..	9 9 9	34	48.0	37.2	42.6	-	55	7	24	17	-	-	51.7	-	-	-	-	-	0	0	0	0	5	9	8	-	2.15	-	
	Swanage ..	9 9 9	16	48.9	37.6	43.3	-0.2	54	6, 7, 20	23	17	-	-	2.26	65	.38	10	17	13	0	0	0	0	4	8	-	3	2.43	134	
Weymouth	..	9 9 9	20	48.0	39.3	43.7	-	57	20	25	16, 17	-	-	1.93	-	.29	10	19	13	0	0	0	0	1	6	10	3	1.95	-	
	Chivenor ..	21-9 9	64	49.3	34.8	42.1	-	59	19	20	17	-	-	1.99	-	.53	10	14	14	-	0	-	-	1	13	13	0	-	-	
Devon	**East Budleigh ..	9 9 9	106	47.1	36.8	41.9	-	56	7, 20	20	17	-	-	2.60	-	.72	10	16	12	0	0	0	1	3	9	15	4	2.03	-	
	Exeter ..	21-9 9	195	47.5	37.2	42.3	-0.5	57	7	23	17	-	-	2.49	-	.72	10	18	14	0	0	0	0	2	8	-	0	2.38	129	
Exmouth	..	9 9 9	298	47.4	41.0	44.2	-	54	20	30	17	-	-	1.95	-	.31	10	19	16	0	0	0	0	3	2	3	7	1.49	-	
	Hartland Pt. ..	21-9 9	25	48.9	41.4	45.1	0.0	57	20	32	16	44.0	49.6	2.43	50	.55	6	19	16	0	0	0	0	0	1	10	-	2.01	158	
Ilfracombe	..	9 9 9	272	48.6	36.2	42.4	-0.1	56	7	22	17	-	-	3.76	82	1.20	10	16	15	0	0	0	0	1	10	13	-	-	-	
	†Newton Abbot ..	9 9 9	8	49.1	37.2	43.1	-	57	7	24	17	-	-	3.07	-	1.12	10	16	15	0	0	0	0	0	8	14	-	2.07	118	
Paignton	..	9 9 9	87	48.5	38.9	43.7	-1.0	55	7	24	17	-	-	2.85	57	.74	10	16	12	0	0	1	0	2	5	14	-	1.76	100	
	(Mount Batten)	21-9 9	119	48.8	38.9	43.9	-0.3	55	7	25	17	43.3	48.7	2.74	55	.66	10	18	11	0	0	2	0	4	5	8	-	2.19	112	
Plymouth (The Hoe)	..	9 9 9	1359	42.9	35.5	39.2	-	50	7, 19	25	17	-	-	8.48	73	2.32	10	17	17	1	2	0	0	8	7	11	-	-	-	
	Princetown ..	9 9 9	25	48.6	37.2	42.9	-0.2	57	7, 21	25	17	-	-	2.32	-	.60	10	15	14	0	0	1	1	0	8	10	-	2.35	-	
Sidmouth	..	9 9 9	29	48.4	36.3	42.3	-	58	7	20	17	-	-	1.98	-	.78	10	14	10	0	0	0	1	-	10	16	-	2.06	-	
	Starcross ..	9 9 9	457	47.5	36.5																									

DUPLICATE (1)



Monthly Weather Report OF THE METEOROLOGICAL OFFICE

Including monthly and annual tables of wind based on the records of autographic instruments

Volume 74 Number 13

Published by HER MAJESTY'S STATIONERY OFFICE



Annual Summary 1957

	Page		Page
REMARKS ON THE WEATHER OF THE YEAR	193	TABLE IV. Summary of the Observations of Pressure, Temperature, Humidity, Cloud, Visibility and Wind at fixed hours of the day	203-6
ANNUAL WEATHER CHARTS: Mean Pressure; Frequencies of Depressions; Distribution of Mean Temperature, Bright Sunshine and Rainfall	195, 196	TABLE V. Warmest Day and Night and Coldest Day and Night at each station	207-8
TABLE I. District Values for the year, and Difference from Average	198	TABLE VI. Monthly Frequencies of Days of Sunshine of specified durations for 20 stations	209
TABLE II. Summary of Autographic Records of Wind (see Table IX, p. 210).		TABLE VII. Frequency of specified Daily Rainfall Totals for 30 stations	209
TABLE III. Summary of the Records of Temperature, Rainfall and Sunshine and of Weather Observations	198-203	TABLE VIII. Frequency of specified Maximum and Minimum Temperatures for 20 stations	209
		TABLE XIII. Solar Radiation and Intensity of Daylight	212
WIND SECTION			
TABLE IX. Summary of Autographic Records of wind	210	TABLE XI. Particulars of "strong gales"	211
TABLE X. Monthly frequencies of Gusts	210-11	TABLE XII. Dates of gusts of "whole gale" force	212

REMARKS ON THE WEATHER OF THE YEAR

Mild winter and early spring, a generally dull and wet summer after a brilliantly fine beginning.

Over the year as a whole neither temperature, rainfall nor sunshine differed greatly from their average values although all three exceeded them. The difference was small as regards rainfall thanks largely to the dry weather of late spring and late autumn, while the cold weather during the late summer and early autumn was more than counterbalanced by a mild winter and mild spring.

In England and Wales 1957 was notable for an exceptionally mild March, the mildest of the century; a remarkably dry April, the driest, apart from 1938, since 1912; a warm and sunny June, but a wet summer generally, with frequent and heavy thunderstorms; and a dull wet September. In Scotland and Northern Ireland the main features were similar except that April, although dry, was not remarkably so, and that September rainfall and sunshine were about average in Scotland.

During each of the first six months of the year both temperature and sunshine were above the average except for a dull March, a cold May and a slightly sub-normal temperature in Scotland and Northern Ireland during February. A feature of the rainfall pattern was the alternation of wet and dry periods, each lasting about three months. Rainfall was near or above the average during the first three months of the year over the whole of Great Britain and Northern Ireland but below average during April, May and June with general rainfall less than that of any similar period since 1921. The weather from July to September was mainly cool with frequent heavy rains, the general rainfall over the country as a whole exceeding the average during these months for the second year in succession. In England and Wales July and August each had nearly as much rain as April, May and June combined, while September had considerably more. During each of the last three months of the year rainfall was below the average in England and Wales, but except for November exceeded it in Scotland and Northern Ireland. Although sunshine exceeded the average over the year as a whole, generally sunny weather during the first half of the year was almost counterbalanced by a series of dull months, from July to October, during the second half.

The year contained a number of unusual features. A remarkable variation of pressure occurred during the summer months; it rose higher in June and fell lower in August than had previously been recorded during these months in the British Isles this century. A gust of 90 kt. was registered during a severe gale at West Raynham in November; this compares with a gust of 96 kt. which occurred

at Cranwell in 1912—the highest on record for an inland station. Temperature rose to 96°F. at Camden Square on June 29, the highest June temperature of the century and the highest temperature recorded in the British Isles since the exceptionally hot summer of 1932 when temperature rose in August at many London stations to 97°F. A "very rare" fall of rain occurred at Camelford during an unusually severe thunderstorm on June 8, giving the largest amount ever recorded in Cornwall during 24 hr. One of the most outstanding features of the year was the high average temperature for March in England and Wales. This average, 49.2°F., just exceeded that of March 1938 and was about 4°F. above most other March mean temperatures of the century.

General Weather. The generally mild weather during the last month of 1956 continued during January and February making the winter 1956-7 the mildest for seven years. The first week of both January and February contained some unusually mild days while a cold spell occurred about the middle of each month. The last week of January and the first of February were notable for stormy weather with widespread and locally severe gales and unusually heavy rainfall. There was little snow of note during the winter months apart from a rather localised fall in the Midlands on the night of February 18-19.

Spring began with an unusually mild month; in some southern districts mean temperatures were the highest on record for March, in places exceeding the April normals, but the difference from average became steadily less as the season progressed until in May temperature was generally below the average. April was outstandingly dry, especially in the south of England, although a northerly air-stream during the second week of the month brought snow showers as far south as Kent. Nearly the whole of the rainfall of a rather dry May fell during the second and third weeks.

June, the first month of summer, was brilliantly fine and warm, the sunniest June since 1909 and the warmest since 1950. There was an outstandingly dry and sunny period about the middle of the month when maximum pressure was higher than during any previous June in the British Isles since 1870. At some places there were as many as nine consecutive days with more than 15 hr. sunshine while temperature frequently exceeded 80°F. The last few days of the month were even hotter, with temperature exceeding 90°F. over much of south and south-east England. Weather continued fine and warm during the first week of July,

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but most of the remainder of this month was unsettled and wet with frequent thundery rain. The last two days of July and the first few days of August were warm and sunny, but weather broke on August 5, and the remainder of the month was mostly wet; minimum pressure in the British Isles was lower on the 24th than during any previous August.

The generally wet weather continued into the autumn; rainfall during September in England and Wales was nearly twice the average, although the last two or three days of the month were bright and showery. October was a dry month, especially during the first half—most of the month's rain fell on the 16th, 17th and 18th. Widespread gales developed on the 30th and weather remained disturbed during the first few days of November culminating in a severe gale on the night of the 3rd-4th when a gust of 90 kt. was recorded at West Raynham, damage including the removal of the roofs from a number of dwelling houses at Hatfield. November's rain fell mainly during the first five days; some places recording an absolute drought during the remainder of the month. December was generally mild but changeable with sunshine somewhat above the average. Temperature was rather low during the first few days and from 10th to 17th, but there were warmer periods around the 7th and 20th.

Synoptic Features. Jan. 1-9.—Cyclonic. Troughs or secondary depressions moved across the British Isles; main centres in the Greenland-Iceland region. Strong upper south-westerlies established over whole country by 5th with a series of deepening lows crossing Scotland. South-westerly winds, unsettled, mild.

Jan. 10-19.—Anticyclonic. Pressure high over, or to the west of, the British Isles. Unusually high pressure, more than 1050 mb., recorded in north-west Scotland on 16th. Winds mainly northerly, scattered showers.

Jan. 20-Feb. 14.—Cyclonic. Vigorous activity with severe gales at end of January and first few days February. South-westerly winds, considerable rain, mild.

Feb. 15-20.—Cyclonic. Pressure low over southern Scandinavia; upper cold vortex almost stationary over North Sea. Northerly or variable winds; showers, often of snow, frequent over northern part of country. Cold.

Feb. 21-26.—Cyclonic. Extensive low-pressure area mid-Atlantic; troughs moved slowly across the British Isles from south-west. South-westerly winds. Fog patches at first, considerable rain on 23rd and 24th with snow in places. Subsequently became gradually milder.

Feb. 27-Mar. 4.—Anticyclonic. High pressure developed over the North Sea and moved east to continent. South-easterly winds, fine and sunny, mild.

Mar. 5-13.—Cyclonic. Complex low-pressure area west of British Isles and near Azores; succession of fronts moved north-east across British Isles. Southerly airstream, originating in low latitudes, covered country; occasional rain, mild.

Mar. 14-21.—Cyclonic. Complex low-pressure area eastern Atlantic; open warm sector depressions passed north-east between Scotland and Iceland. British Isles mostly in warm air drawn from Azores region. South-westerly winds, occasional rain, mainly slight except in the north. Sunny periods.

Mar. 22-28.—Cyclonic. Large anticyclone over Europe; deep depressions from Atlantic decreased in intensity as they approached British Isles. Winds mainly south-west, occasional showers, heavy locally. Thunder on 26th. Mild.

Mar. 29-Apr. 4.—Weakly anticyclonic. Cyclonic in west. Anticyclone over Europe spread westward over British Isles on 4th. Wind south-west at first, became light and variable. Rain west Scotland but mainly fine and sunny especially towards end of period.

Apr. 5-13.—Anticyclonic. Anticyclone centred between Scotland and Iceland moved to south-west England on 11th. Intense blocking high at 500 mb. to west of British Isles. Winds northerly, scattered showers, cool.

Apr. 14-18.—Mainly cyclonic but anticyclonic in south. Deep depression Greenland-Iceland region. Vigorous secondary approached Scotland on 18th. South-west winds, mainly dry except on 18th, mild.

Apr. 19-May 6.—Anticyclonic. Pressure generally high from Baltic and Azores; wind mainly north-east. Thundery rain around 21st, scattered snow showers towards end of period. Otherwise generally fine.

May 7-20.—Cyclonic. Fronts and depressions moved east across British Isles. Wind south-west. Rain most days often thundery, locally heavy. Good sunny periods. Rather cold.

May 21-June 3.—Anticyclonic. High pressure Norwegian Sea extended slowly south-westward; ridge over British Isles throughout period. Wind mainly east to north-east at first became light and variable from 30th. Fine, sunny and warm.

June 4-10.—Cyclonic. Series of small depressions moved eastward across British Isles on a progressively more southerly track. Wind variable but predominantly north-east. Occasional rain or showers, often thundery. Thunderstorms, widespread and heavy at times. Good sunny periods, mild.

June 11-July 2.—Anticyclonic. Pronounced block at 500 mb. with surface high pressure in region of British Isles throughout. Wind north-east to east at first backed to north-west to west on 21st, later becoming light variable. Very warm, fine apart from scattered thunderstorms.

July 3-6.—Cyclonic. Upper low off Portuguese coast, surface depression south-west of British Isles. Wind light variable, heavy thunderstorms, very warm, sunny.

July 7-29.—Cyclonic. Succession of depressions approached from Atlantic; most moved across country but during last few days their track was between Scotland and Iceland. Wind mainly west to south-west. Frequent rain, rather cool.

July 30-Aug. 5.—Anticyclonic. Upper ridge extended northwards over British Isles from Spain; surface anticyclone moved slowly eastward from west of Ireland to North Sea. Wind light and variable. Sunny and warm generally but some exceptionally heavy rain on 5th.

Aug. 6-27.—Cyclonic. Depressions from Atlantic moved eastward across British Isles at first, but from 16th centres passed to north of Scotland and associated troughs crossed the country. Record low August pressure for British Isles on 23rd. Considerable thundery rain with local falls of 2 in. or more reported daily during first half of period. Wind south-west became predominantly west from 17th. Rather cool.

Aug. 28-30.—Anticyclonic. Anticyclone centred over British Isles. Light variable winds, fine generally.

Aug. 31-Sept. 11.—Cyclonic. Depressions moved eastward to the north of Scotland and associated troughs crossed British Isles. Wind west to south-west. Occasional rain, mainly slight but locally heavy. Good sunny periods. Rather cool.

Sept. 12-15.—Cyclonic. Intense depression established in depth over Scandinavia. Wind north-west. Frequent showers, scattered thunderstorms, rather cold.

Sept. 16-25.—Cyclonic. British Isles frequently in cols between depressions over continent and eastern Atlantic. Winds light and variable. Dull. Broad frontal belt lying across country 20-25th gave considerable rain.

Sept. 26-Oct. 5.—Anticyclonic. Pressure high to west or south-west of British Isles. Winds mainly north-westerly, occasional showers, bright periods, rather cold.

Oct. 6-15.—Anticyclonic. Pressure high western Europe with ridge extending over British Isles. Southerly wind, mild, occasional slight rain Scotland otherwise generally dry apart from fog patches.

Oct. 16-Nov. 6.—Cyclonic. Active troughs and depressions moved east across British Isles. Rainfall unusually heavy last week of October; wind generally south-west, severe gales 31st and 4th.

Nov. 7-20.—Anticyclonic. Anticyclone off northern districts of British Isles moved eastward to continent. North-easterly winds at first backed later to south-east. Dull and generally mild with some slight local drizzle.

Nov. 21-Dec. 5.—Anticyclonic. Anticyclone centred over southern England most of time. Wind variable but predominantly southerly. Cloudy but mainly dry.

Dec. 6-10.—Cyclonic. Depressions from Atlantic moved east across Scotland at first but later south-east towards Bay of Biscay. Fresh to strong south-westerly winds moderating and backing. Widespread rain.

Dec. 11-16.—Mainly cyclonic. Depression Bay of Biscay moved south-east into Mediterranean; a narrow ridge of high pressure moved south across the country on 15th and 16th. Winds easterly becoming light and variable. Dull, occasional rain at first; mainly dry in the south but with fog patches later.

Dec. 17-31.—Cyclonic. Troughs from Atlantic moved across the country except on the 23rd and 24th when a depression was almost stationary over the Bay of Biscay. South-westerly wind, generally mild with occasional rain.

Pressure and Wind. A remarkable range of pressure occurred during the summer months, pressure over the country rising unusually high in June and falling unusually low in August for the time of year. On June 13, Rhayader in central Wales recorded a pressure of 1037.4 mb., which compares with the highest pressure previously recorded in the British Isles during June of 1036.5 mb. at Valentia on June 6, 1870. On August 23 Cape Wrath, on the north coast of Scotland, recorded a pressure of 967.0 mb. which compares with the lowest pressure previously recorded in August of 968.3 mb. at Southport in 1917. The unusually high pressure of 1050.9 mb. was recorded at both Benbecula and Belmullet (Eire) on January 16; the highest pressure ever recorded over the British Isles was 1054.7 mb. at Aberdeen on January 31 1902, barely 4 mb. higher. Over the country as a whole pressure was above the average for the month during January, April, May, June, October and November, and below average during the remaining six months.

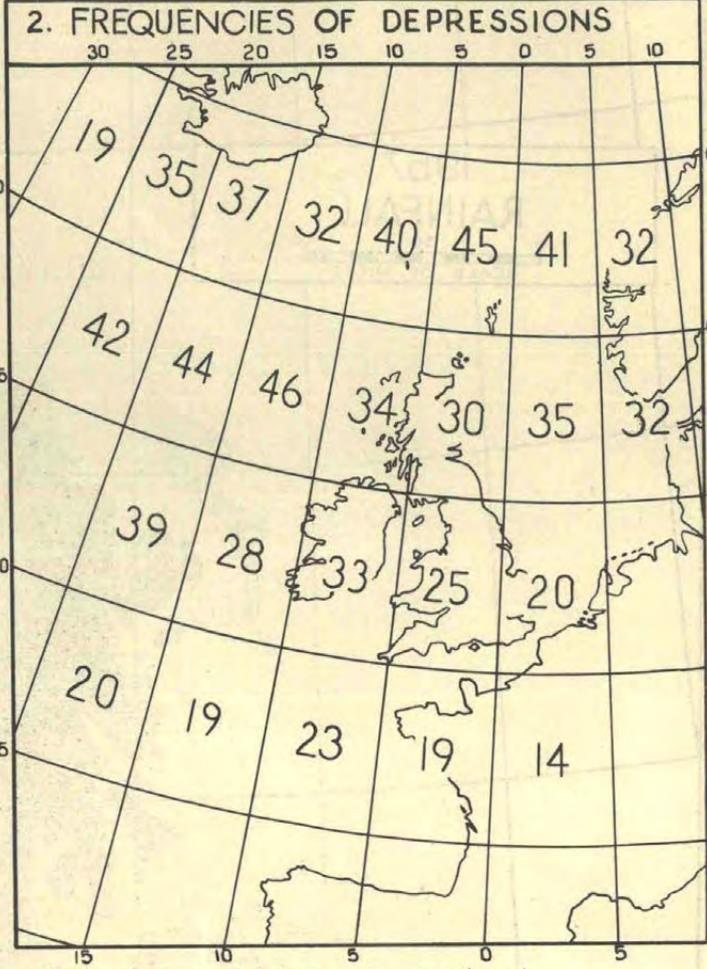
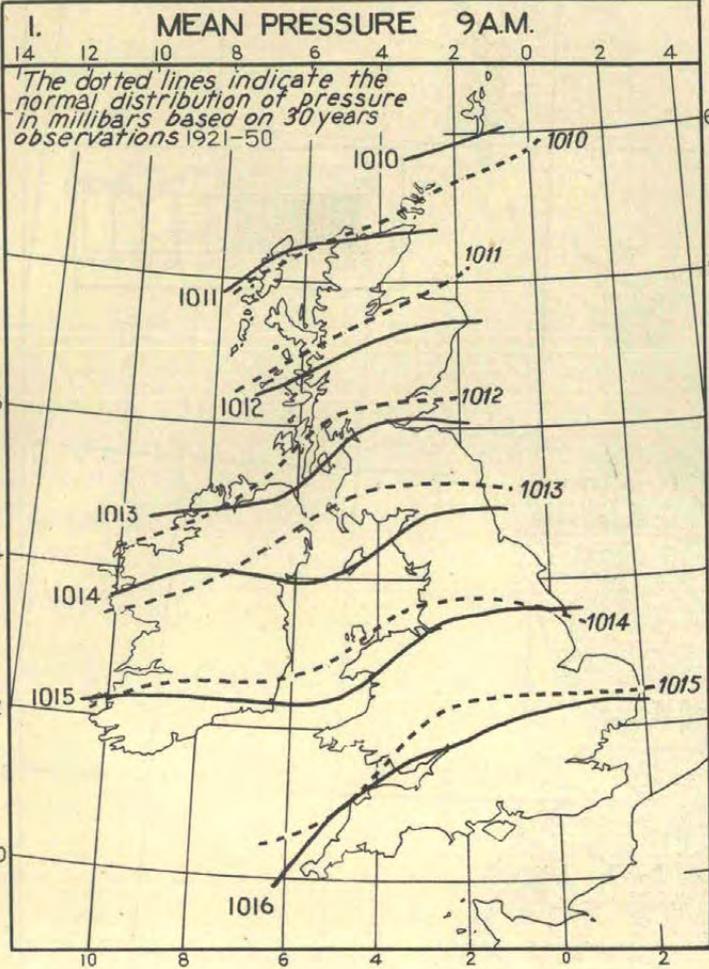
Winds during January and February were mainly between south and south-west except for about a week of northerly winds around the middle of each month. South or south-easterly winds predominated during March except for a spell of south-westerly during the third week, but April winds were very variable being predominantly north-easterly during the second and last weeks but mainly between south and south-west during the remainder of the month. Winds were from a predominantly northerly direction during May and June but were between west and south-west during most of July and the first half of August. From mid-August until the first week of October they were generally west or north-west, except for the first ten days of September when winds were mainly between south and south-west as they were during the remainder of October and up to November 5. Thereafter, except for the third week of November when they were between north and north-west, winds were from some easterly point until mid-December when they backed to south-west for the remainder of the year.

The stormiest period of the year was from January 25 to February 5. Gales were widespread and locally severe on 27th, 31st, 4th and 5th. Particularly noteworthy were the gales on January 31 and February 5 when mean hourly winds of 57 and 60 kt. respectively were recorded at Tiree with gusts reaching 98 and 93 kt., the highest gusts during these months since records began at Tiree in 1927. Gales were less frequent than usual during March, but were widespread on the 20th when a gust of 65 kt. was recorded at Bidston Observatory. A gust of 85 kt. was recorded at Stornoway during a severe gale on April 20, the highest in April since records began there in 1944. During May, gales occurred widely in north-west England on the 18th and in south-east England and the Midlands on the 24th. Wind reached gale force locally on June 5, and on July 26 gale force winds were maintained for seven hours at Tiree and reached a speed of 55 kt. in gusts, a record for the month at this station. Gusts of 65 kt. and 67 kt. were recorded at Stornoway and Tiree and at Bidston Observatory respectively during the passage of a deep depression on August 24, speeds which have not been exceeded at these stations since records began about 30 years ago. In September gales occurred in many western and northern districts of the British Isles on the 7th with gusts of 60 kt. and on the 22nd a minor tornado is reported to have moved north-east across Lincolnshire. Gales were less frequent than usual during October although fairly widespread on the 17th and 18th. Severe gales on the night of November 3-4 caused damage to property in southern England; a gust of 90 kt. was reported at West Raynham, the highest at an inland station since the gust of 96 kt. at Cranwell on December 17 1952. On December 10, a gust of 76 kt. occurred at Plymouth Hoe, Devon, the highest recorded at this station since records began in 1921.

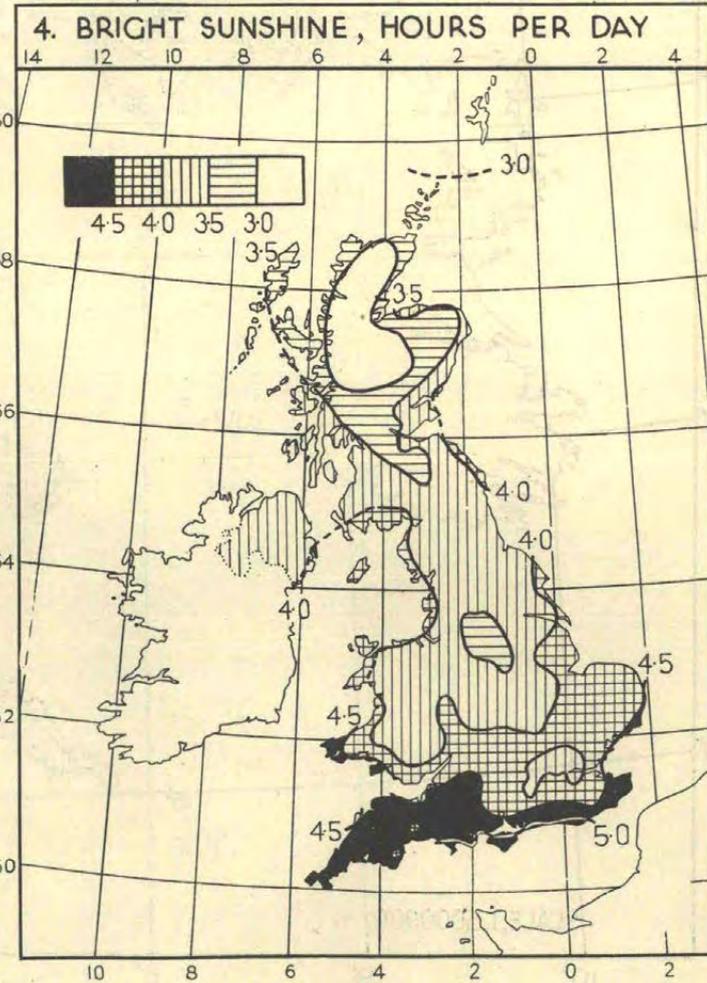
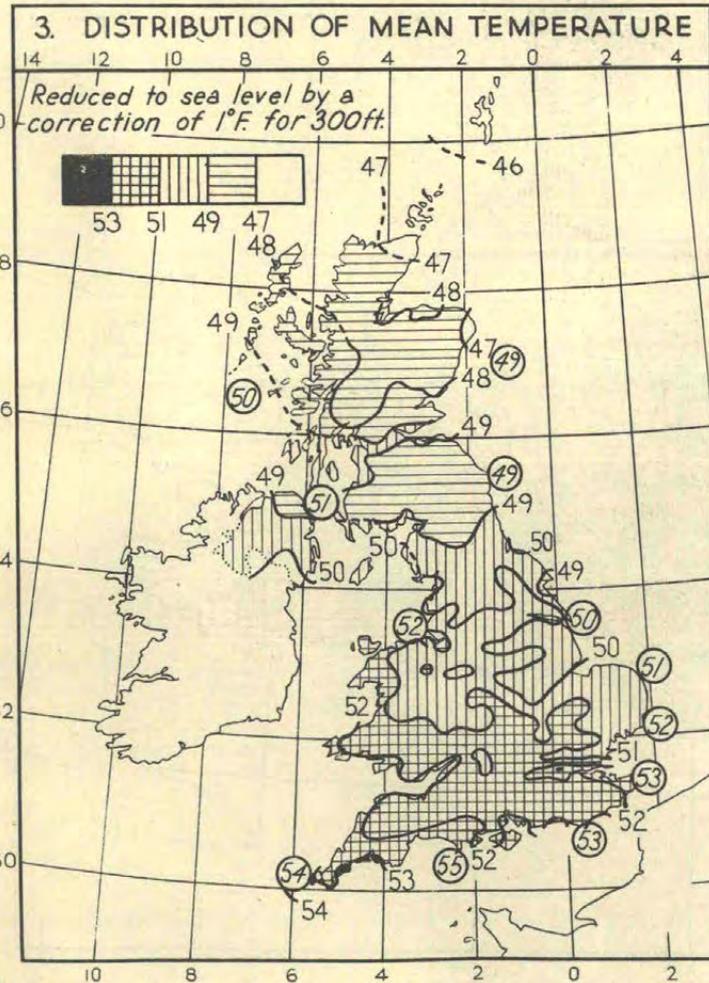
Temperature. Mean temperature over the year was under 1°F. above the average, the excess being slightly greater in Northern Ireland than elsewhere. In England and Wales there have only been three milder years this century, 1921, 1945 and 1949. March (mild) and September (cold) showed the greatest departure from their respective average temperatures, March being outstandingly

ANNUAL WEATHER CHARTS

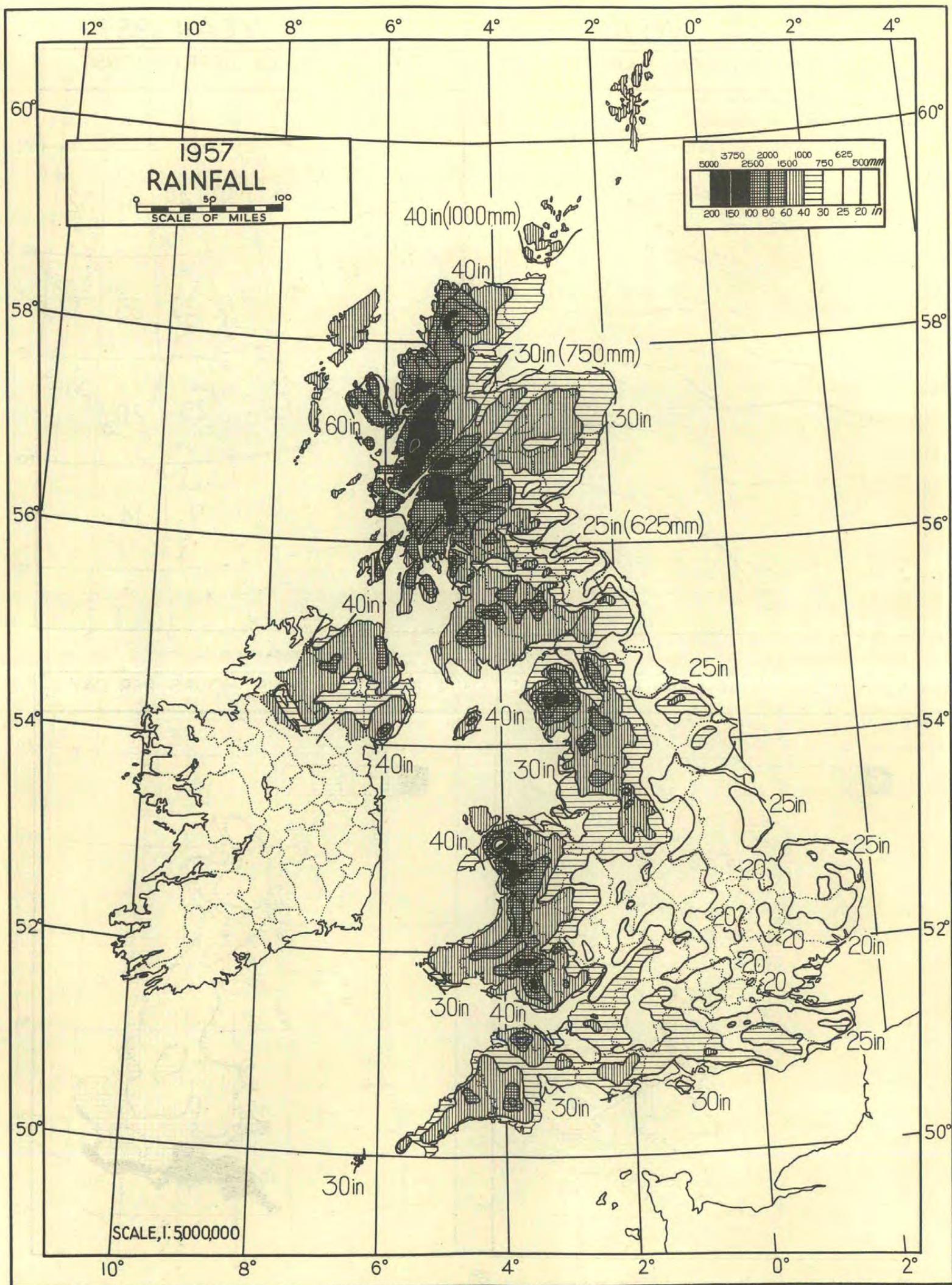
YEAR 1957



Number of depressions through each square, based on monthly charts



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



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

mild for the time of year. It was the mildest March of the century in England and Wales with a mean temperature nearly 1°F. above the April mean and nearly 10½°F. above that of the cold March of 1955. Nights were exceptionally mild in east and south-east England where the mean minimum temperature for March was 6¼°F. above the average. Higher maximum temperatures were recorded during this month in Scotland and north-east England than during the following two months, April or May. Temperature rose to 74°F. at Haydon Bridge on the 12th, the highest recorded in March since 1929. Apart from September 1944, which was about as cold, there has only been one colder September, that of 1952, since 1931 in England and Wales, but in Scotland, in spite of rather mild weather during the first ten days of the month, average temperature for September has only been lower on two occasions during the last 32 years, and they were in the present decade. The low mean temperature during September 1957 in England and Wales was largely owing to a low maximum temperature which was 3°F. below the average for the month, whereas the mean minimum was only 0.7°F. below. The greatest departure from average occurred in the Midlands.

Unusually high temperatures were recorded during the last few days of June. Temperatures reached the upper eighties in most districts and exceeded 90°F. over much of east and south-east England; 96°F. was recorded at Camden Square and 95°F. at Northolt on June 29, the highest June temperatures recorded in the British Isles since 1858. Mean temperature during July and August was a little below average generally but slightly above in England and Wales during July mainly owing to the warmth of the first week when in south-east England daily mean temperature was 10°F. above the average for that period. On the 6th temperature exceeded 90°F. in parts of Middlesex and Kent and reached 93°F. at Camden Square. Temperatures have only exceeded 90°F. during both June and July on three previous occasions this century, all in the decade 1940-1949. As in July, temperatures during the first week of August were above average, but below during the other three weeks. In spite of a generally warm October and November, mean temperature during the autumn was below average owing to the cold weather of September. At the beginning of the year over England and Wales generally, the winter, including December 1956, was only warmer in four of the previous 56 winters—1942-3, 1934-5, 1924-5, and 1922-3; 1948-9 was equally warm.

Extreme temperatures included—(England and Wales) 96°F. at Camden Square, London, on June 29, 3°F. at Sutton Bonington on February 20; (Scotland) 87°F. at Ruthwell on June 16, 9°F. at Kincaig on February 22; (Northern Ireland) 82°F. at Armagh on June 21, 20°F. at Aldergrove on February 19 and at Ballykelly on December 15.

The following table gives in degrees Fahrenheit the monthly and annual deviation from the 1921-50 average mean temperature for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
(a)	+2.5	+1.9	+5.6	+0.9	-1.1	+1.6	+0.5	-0.7	-1.8	+1.4	0.0	0.0	+0.9
(b)	+1.9	-0.5	+4.5	+2.0	-0.4	+1.0	-0.1	-0.2	-2.0	+1.2	+1.1	+0.1	+0.7
(c)	+0.9	-0.1	+5.3	+1.1	-0.4	+0.9	-0.3	0.0	-1.2	+0.6	+0.3	+0.5	+0.7

Precipitation. The general precipitation over the year was only 1 per cent. above the 1881-1915 average in England and Wales; it was more than in 1956, 1955 and 1953 but considerably less than in 1954. In England alone there was a slight deficit whereas Wales had 11 per cent. more than average rainfall. This excess counterbalanced the deficit of 1956 which was an unusually dry year in Wales. The excess in Scotland and Northern Ireland amounted to 7 and 8 per cent. respectively, 1957 being wetter than four of the previous five years in both countries. Rainfall during the summer six months April to September was about 11 per cent. above average in England and Wales so that 1957 continued the remarkable series of wet summers since 1950. During this period only 1955 had less than average rainfall and the mean excess for the eight years was 13 per cent. above the 1881-1915 average.

The general distribution of total rainfall during the year over Great Britain and Northern Ireland was almost everywhere within 30 per cent. of the local average. Stations with less than 90 per cent. were confined almost entirely to England and, apart from a few stations near Middlesbrough and the Scottish border, were predominantly situated south of a line Portland Bill to The Wash. More than 120 per cent. was recorded in the extreme north of Scotland, and locally in Wales and Northern Ireland.

Outstanding among the rainfall features of 1957 was the intense rain of June 8 and the lack of rain during April. The intense fall occurred at Camelford, Cornwall, accompanied by unusually heavy hail, on a day of widespread thunderstorms; 7.09 in. was recorded during the rainfall day and of this 5.43 in. fell in 2½ hr. It was further estimated that about 4 in. fell between 1230 and 1330 hr. The daily fall of 7 in. was the largest ever recorded in Cornwall and the estimated fall within an hour is probably very close to the highest hourly intensity yet known or estimated for the British Isles, that of 3.63 in. at Maidenhead, Berkshire, on July 12 1901. Other gauges in the neighbourhood and elsewhere collected very rare falls on June 8.

Except for 1912 and 1938, April 1957 was the driest April in England and Wales since 1869. At many stations it was the driest April in a long series of records; at Stonyhurst since 1832, at Ross-on-Wye since 1859, at Nottingham since 1867 and at Sheffield since 1883. There was no measurable rain at Ross-on-Wye or Malvern throughout the month.

In England and Wales September was the wettest month of the year and the wettest September since 1950, but in Scotland the greatest departure from average occurred during July; twice the average occurred over much of the north-eastern part of Scotland in July. March rainfall was also above the average in Scotland although of recent years March has been a dry month there. During the past 29 years rainfall has exceeded the average on only five occasions during March. Although May rainfall was below the average in 1956 and 1957 in England and Wales, it has been above the average in May during 13 of the last 17 years.

Thunder. The summer months of 1957 were more than usually thundery. During July thunder was reported from one station or another on 22 days, and

was widespread on the 3rd, 6th, 19th and 21st. Many stations reported thunder on 8 or 9 days. In June and August thunder was heard on 15 and 17 days respectively in England and Wales and slightly less frequently in Scotland. During both months it was heard at each of a number of stations on 6 days; few stations have reported more days with thunder in 30 years of records. Thunder occurred on 11 and 13 days in England and Wales, on 7 and 8 days in Scotland during the months of January and May respectively. The remaining months had 9 days or less with thunder; it occurred on only 6 days on each of the last three months of the year and on only 5 days during March, the month of least activity.

Very heavy falls of rain were associated mainly with thunderstorms. In addition to the falls already noted on June 8, the following 'very rare' falls were reported:

July 3	2.56 in. in 77 min. at Plymouth (Mt. Batten), Devonshire, an amount about equal to the average rainfall at this station for the whole of July.
July 6	3.36 in. in 85 min. at Notherseal, Leicestershire.
Aug. 5	4.11 in. in 90 min. at Clifford, Herefordshire.
Aug. 5	3.43 in. in 120 min. at Bwlchyllan, Cardiganshire.

'Rare' and 'Noteworthy' falls also occurred on June 8 and 18, July 3, 4, 6 and 18-20, August 5, 6, 10 and 12 and on September 8.

Dry Periods. Unusually dry periods were also frequent, especially in the south of England. An absolute drought (14 or more consecutive days without measurable rain) occurred from March 28 at many stations in the Midlands and south of England and in central and South Wales. At some places the drought was broken on April 11 but at many it extended until April 16-18 and at Ross-on-Wye and Malvern until the end of that month. There was no measurable rain from April 20 to May 6 at many stations in mid-Wales, Somerset, northern Lancashire, the Lake District and the eastern part of East Anglia; at some stations in the lower Wye Valley this period extended up to 41 days ending on May 6. In mid-June an absolute drought occurred at many places in southern England, Wales, western Scotland and Northern Ireland.

After the wet summer some places in the Midlands and southern England recorded an absolute drought from the last week of September until mid-October. Fourteen or more days without measurable rain occurred during November at stations in the Dee basin, Cheshire, and locally in southern England and again at many places in England from mid-November to about December 5.

Snow. A noteworthy fall of snow occurred on February 18; the main fall was fairly localised near the town of Leicester where it lay to a level depth of 12 in. but falls of 6 in. were reported from Sheffield and Sutton Bonington as well. Snow was fairly frequent during the third week of February and it lay 4-6 in. deep on high ground in Scotland from 18th-23rd and ground was extensively snow-covered in north-west England and the Midlands on 15-24th. In January snow showers were fairly frequent during the middle and last weeks of the month. Snow lay 4 in. deep in places in Scotland on the 27th and ground was snow-covered locally in south-east England on the 15th and in western districts on the 25th. Owing to the mildness of the month there was little snow in March except over high ground in Scotland, but snow showers were widespread in Scotland on April 10-13 and May 3-7 affecting the whole of the British Isles on April 11 and May 5 and 6.

In the latter half of the year moderate falls of snow blocked some roads in Scotland on December 6-14 and snow lay 3-6 in. deep at a number of places on 8-11th. On December 15 snow fell as far south as the Kent coast and ground was snow-covered locally in north-east England and the Midlands on 10 days during the month. Snow fell widely in Scotland during the first 8 days of November and extended to many parts of Yorkshire and central England on the 8th.

The table below gives the revised monthly and annual rainfall expressed as a percentage of the 1881-1915 average for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
(a)	97	155	102	19	83	79	144	121	196	74	71	83	101
(b)	147	98	115	60	74	100	152	128	98	108	54	114	107
(c)	159	95	109	57	80	73	144	115	167	118	42	132	108

Sunshine. Sunshine over the year was 2 per cent. above the average in England and Wales and in Scotland, and 5 per cent. above in Northern Ireland. June, the sunniest month of the year, broke many records. Over England and Wales generally it was the sunniest June since at least 1909, and the first June with more sunshine than the 1921-50 average since 1951; during the last 15 years there have been only three other Junes with sunshine above this average. At many stations in England it was the sunniest June since records began, even surpassing the fine June weather of 1940 and 1949, and at some places the daily average sunshine for the month was as high as 11 hr.; at Worthing it was the sunniest June of the century, and at Glasgow and Kew the sunniest for 75 years. There was a warm period during the middle of the month when at many places at least 15 hr. of sunshine was recorded on 9 consecutive days.

March was the dulllest month of 1957, especially in Scotland and Northern Ireland. Many places in Scotland had a deficiency of 40-50 hr., while at Kilmarnock it was the dulllest March since records began in 1908. Although the first week of July was sunny, the month gave a greater deficiency from average in England and Wales than any other during the year; during the second and fourth weeks of July sunshine was only about 30 per cent. of the average in north-west England.

Sunshine was above the average in most places during February and December; Aldergrove, with 95 hr., had more sun than during any other February since records began in 1927, while December 1957 was the sunniest December at Birmingham since 1929.

The following table gives the monthly and annual percentages of average

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1957

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation		Height of Station above Mean Sea Level ft.	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		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Hours per day		
					A	B			°F.	°F.					°F.	°F.	in.	%									in.	Date	0.1 in. (0.2 mm.) or more
	G.M.T.	ft.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.	Date	0.1 in. (0.2 mm.) or more	0.4 in. (1.0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	hr.	%		
2. ENGLAND, N.E.—contd.																													
Yorks., E. Riding	9	9	9	157	54.0	42.4	48.2	—	81	26	—	—	25.40	—	1.00	3 Nov.	185	139	8	0	15	15	35	36	—	8	4.47	—	
Bridlington	9	9	9	69	55.3	41.5	48.4	—	86	20	—	—	26.43	—	.94	31 Dec.	178	131	14	0	14	22	24	63	106	6	4.08	—	
Driffield	21	9	9	122	53.9	42.3	48.1	—	84	24	—	—	24.88	—	1.34	14 Jul.	184	123	2	0	11	14	50	37	0	0	3.96	—	
Filey	9	9	9	574	53.7	41.3	47.5	—	82	24	47.7	—	30.27	—	1.10	31 Dec.	204	151	15	1	6	13	25	41	107	5	4.02	—	
High Mowthorpe	9	9	9	8	56.6	44.1	50.3	+0.6	88	24	50.1	49.8	24.94	98	.97	3 Nov.	166	121	5	0	3	16	14	27	71	4	3.67	101	
Hull	21	21	9	29	53.8	46.0	49.9	+0.5	86	30	—	—	22.97	101	2.19	6 Aug.	166	111	4	0	9	24	20	6	—	25	3.81	92	
Spurn Head	21	9	9	205	56.0	42.3	49.1	+0.3	87	22	51.0	53.1	21.13	91	.76	10 Sep. 3 Nov.	172	116	6	1	4	14	23	47	67	1	4.12	100	
Cranwell	9	9	9	205	55.5	41.7	48.6	—	87	25	49.7	49.8	24.42	—	.90	10 Sep.	193	131	5	0	0	13	27	11	52	67	3	—	—
Horncastle	9	9	9	22	56.5	41.1	48.8	—	88	18	49.8	49.7	21.75	—	.91	10 Sep.	183	130	—	1	0	13	27	68	119	6	3.77	—	
Lincoln	9	9	9	21	55.4	42.9	49.1	—	87	22	—	—	22.67	—	.78	3 Nov.	181	125	12	1	12	21	10	42	68	2	4.21	—	
Manby	21	9	9	15	55.1	44.3	49.7	+0.8	87	26	—	—	24.96	108	1.02	11 Sep.	167	126	3	0	7	15	9	27	—	—	4.28	101	
Skegness	9	9	9	224	55.4	43.2	49.3	—	87	23	—	—	21.91	—	.89	10 Sep.	173	121	13	1	7	18	16	39	47	1	4.07	—	
Waddington	21	9	9	89	56.2	43.9	50.1	—	86	25	—	—	23.58	—	1.30	3 Nov.	170	119	12	0	16	15	6	29	68	—	4.36	—	
3. ENGLAND, E.																													
Norfolk	9	9	9	178	55.8	44.4	50.1	+0.3	90	28	—	—	24.26	102	1.08	15 Aug.	182	132	3	0	2	10	1	23	62	3	4.13	95	
Burlington	9	9	9	5	54.7	45.9	50.3	+0.5	81	27	51.7	51.6	23.24	95	.83	12 Dec.	168	114	6	0	14	20	13	17	33	13	4.52	102	
Cromer	21	9	9	76	56.5	43.4	49.9	—	89	20	—	—	21.99	—	.86	8 Aug.	163	114	9	3	12	20	12	45	69	0	—	—	
Gorleston	21	9	9	93	56.3	43.3	49.8	+0.5	87	23	—	—	24.71	96	1.08	3 Nov.	207	124	10	2	16	26	—	36	89	—	3.91	92	
Marham	9	9	9	13	—	43.2	—	—	86	25	50.8	—	22.79	—	.88	10 Sep.	170	116	7	2	7	12	20	40	62	2	3.95	—	
St. Clement	9	9	9	250	55.0	43.5	49.3	—	87	22	—	—	26.85	—	.88	10 Sep.	175	131	10	5	16	17	15	37	60	3	4.37	—	
West Raynham	21	9	9	14	58.3	42.7	50.5	—	91	20	—	—	22.87	—	1.13	3 Nov.	142	95	4	0	5	15	9	42	106	4	—	—	
East Bergholt	9	9	9	10	55.6	47.1	51.3	+1.0	80	29	—	—	20.08	99	1.32	10 Jul.	147	91	6	1	8	18	11	7	21	2	4.58	97	
Felixstowe	21	9	9	125	57.2	43.5	50.3	—	91	22	50.9	51.4	23.71	—	1.37	9 Jun.	176	113	10	8	0	12	16	13	34	88	3	4.29	—
Ipswich, Belstead	9	9	9	82	55.7	44.7	50.2	+0.7	80	24	51.1	51.0	20.87	89	.86	12 Dec.	164	111	8	0	7	14	15	23	29	—	4.36	96	
Lowestoft	9	9	9	15	57.6	44.4	51.0	—	92	22	—	—	22.07	103	1.48	23 Sep.	145	102	7	0	11	16	15	35	61	1	4.28	—	
Mildenhall	21	9	9	157	57.8	43.1	50.5	—	90	24	—	—	21.12	99	.98	11 Aug.	165	102	3	0	3	14	16	42	67	3	4.28	—	
Boxworth	9	9	9	41	58.4	43.1	50.7	+1.0	92	21	51.7	52.0	19.67	90	.88	23 Sep.	149	100	6	0	8	13	—	43	90	8	4.28	105	
*Cambridge Bot. Gdn.	9	9	9	129	57.2	43.7	50.5	—	89	24	—	—	19.36	—	.75	23 Sep.	161	104	8	0	9	21	25	36	57	1	—	—	
Huntingdon	21	9	9	93	57.9	42.4	50.1	—	90	20	—	—	21.57	—	.80	12 Dec.	164	103	9	0	8	23	13	50	93	4	4.19	—	
Wyton	21	9	9	516	56.1	43.4	49.7	—	89	24	50.2	50.5	21.19	—	.98	12 Dec.	160	109	5	0	7	18	23	33	51	1	4.17	—	
Bedford	21	21	9	107	57.9	43.8	50.9	—	90	22	—	—	20.52	—	1.00	23 Sep.	170	101	6	0	5	21	7	31	70	4	—	—	
Dunstable	9	9	9	150	57.8	41.4	49.6	—	88	16	51.3	50.9	22.77	—	1.19	30 Jun.	165	118	8	1	5	13	21	60	108	10	—	—	
Goldington	9	9	9	379	57.0	43.0	50.0	+1.1	91	21	50.3	50.8	22.28	89	1.49	19 Jul.	145	105	8	1	—	—	12	39	87	—	3.83	94	
Harold	9	9	9	195	57.8	42.8	50.3	—	90	21	51.3	51.1	20.06	91	.92	12 Dec.	154	102	3	0	6	13	12	40	84	2	4.33	—	
Luton	9	9	9	291	56.9	42.8	49.9	+1.2	89	19	50.2	50.5	24.14	101	1.04	12 Dec.	170	112	7	0	6	13	15	—	43	59	—	3.92	96
Silsoe	9	9	9	221	57.3	42.8	50.1	—	91	18	—	—	21.96	95	1.03	9 Jun.	150	107	4	1	5	15	—	44	76	—	3.94	—	
Woburn	9	9	9	516	55.9	43.0	49.5	—	89	18	—	—	24.90	—	.93	9 Jun.	158	110	8	0	5	17	28	47	88	2	—	—	
Hertford	21	9	9	137	57.7	42.5	50.1	—	92	16	—	—	22.52	—	1.18	12 Aug.	165	111	—	—	—	—	23	50	—	—	—	—	
Bayfordbury	9	9	9	250	57.9	43.2	50.5	—	92	20	—	—	21.93	—	.94	12 Dec.	156	106	0	0	5	15	26	37	56	0	4.12	100	
Bovingdon	9	9	9	420	56.7	42.5	49.6	+1.1	89	22	50.4	50.0	23.82	87	.95	12 Dec.	173	115	7	0	5	15	26	37	56	0	4.12	100	
Eastwick Lodge	9	9	9	272	57.5	42.7	50.1	+1.2	91	19	51.0	—	22.39	90	.87	12 Dec.	144	103	0	0	4	—	21	42	67	—	—	—	
Garston	9	9	9	53	55.5	44.9	50.2	—	80	25	52.2	52.3	18.11	88	.87	12 Dec.	140	94	4	1	4	14	9	23	26	—	4.75	102	
Rothamsted	9	9	9	58.6	55.5	45.9	52.3	—	92	22	52.8	53.9	19.02	—	.79	14 Jul.	153	99	0	0	—	—	19	20	32	—	—	—	
St. Albans	9	9	9	47	56.9	43.7	50.3	—	81	20	—	—	19.98	—	.99	12 Dec.	146	100	—	—	—	—	13	34	58	0	4.33	—	
Essex	9	9	9	160	58.2	43.2	50.7	—	94	22	51.4	52.0	21.80	93	1.16	3 Nov.	147	109	5	0	2	17	—	35	75	—	—	—	
Clacton	9	9	9	11	59.0	46.2	52.6	+1.5	94	24	—	—	20.07	90	1.04	12 Aug.	139	108	1	—	1	10	18	15	—	1	—	—	
Coryton	9	9	9	14	57.5	43.7	50.6	—	93	19	—	—	19.32	—	.86	3 Nov.	157	97	6	—	0	11	25	33	—	—	4.48	—	
Dovercourt	9	9	9	295	57.3																								

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1957

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation			Height of Station above Mean Sea Level ft.	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		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Hours per day										
					A	B			°F.	°F.					°F.	°F.	in.	Date									-01 in. (0-2 mm.) or more	-04 in. (1-0 mm.) or more	Daily Mean	Percentage of Average							
					°F.	°F.			°F.	°F.					°F.	°F.	in.	%									in.					hr.	%				
7a. ENGLAND, N.W.—contd.																																					
Westmorland	Ambleside	9	9	9	151	—	42-2	—	—	85	19	—	—	77-75	110	1-94	24 Aug.	222	184	6	—	6	8	18	46	—	—	—	—	—	—	—					
	Moor House	9	9	9	1840	48-3	36-5	42-4	—	72	11	44-0	—	78-93	—	2-75	7 Dec.	235	195	4	27	4	4	83	115	—	0	—	—	—	3-54	—					
Lancashire	Bolton	9	9	9	342	55-3	42-3	48-8	+0-3	84	22	49-5	49-3	48-13	112	1-60	16 Sep.	203	164	4	—	3	11	41	46	64	—	—	—	—	3-56	117					
	Burnley	9	9	9	458	54-5	42-1	48-3	+0-8	83	20	48-9	49-3	45-00	—	1-71	31 Dec.	174	166	9	5	3	2	2	47	—	—	—	—	—	—	—					
	Darwen	21	21	9	724	54-1	41-7	47-9	+0-5	81	23	48-2	47-5	62-45	125	1-93	31 Dec.	199	170	10	1	7	8	—	85	0	—	—	—	—	—	—					
	Helmshore	9	9	9	854	52-8	41-9	47-3	—	79	23	48-1	—	66-26	—	1-83	31 Dec.	205	184	—	3	—	—	38	40	111	—	—	—	—	—	3-78	—				
	Kirkham	9	9	9	77	55-8	43-3	49-5	—	81	21	—	—	39-07	110	1-57	31 Dec.	193	148	2	0	9	11	11	35	79	5	—	—	—	—	4-18	—				
	Morecambe	9	9	9	24	55-3	45-1	50-2	+1-0	83	24	—	—	40-96	111	1-76	29 Oct.	159	149	2	—	2	0	14	24	—	0	—	—	—	—	3-85	94				
	Nelson	9	9	9	540	54-0	42-3	48-1	—	81	22	48-7	48-7	47-98	118	2-04	31 Dec.	208	165	—	—	—	—	8	42	80	—	—	—	—	—	—	—				
	Poulton-le-Fylde	9	9	9	38	55-9	43-5	49-7	—	83	21	—	—	37-92	—	1-54	31 Dec.	173	142	1	0	3	8	14	35	—	0	—	—	—	—	—	—				
	Preston (Moor Pk.)	9	9	9	108	56-0	43-5	49-7	—	81	21	—	—	41-47	—	1-99	31 Dec.	195	153	13	0	8	22	32	36	83	9	—	—	—	—	—	—				
	Rochdale	9	9	9	362	55-3	41-7	48-5	—	83	21	—	—	46-19	—	1-79	31 Dec.	198	162	10	4	2	11	30	55	63	1	—	—	—	—	—	3-19	—			
	Speke	21	9	9	80	55-9	45-7	50-8	—	84	24	—	—	30-00	—	1-26	16 Sep.	190	144	10	0	6	14	16	25	63	13	—	—	—	—	—	3-63	—			
	Squires Gate	21	9	9	33	55-4	44-1	49-7	—	85	19	—	—	33-04	104	1-39	31 Dec.	180	134	6	0	3	9	13	38	67	5	—	—	—	—	—	4-27	—			
	Stonyhurst	†§	9	9	377	54-7	43-1	48-9	+0-9	80	23	—	—	53-88	116	2-20	31 Dec.	200	165	10	3	6	13	10	30	52	1	—	—	—	—	—	3-73	104			
	Urnswick	9	9	9	130	55-7	42-7	49-2	—	87	19	—	—	48-13	—	1-65	17 Sep.	192	155	7	0	4	10	39	40	—	—	—	—	—	—	—	—	—			
Cheshire	Bidston Obs'y	†§	9	9	198	55-1	45-4	50-3	+1-0	83	28	—	—	26-62	95	1-16	16 Sep.	187	131	4	—	6	12	28	17	21	7	—	—	—	—	—	3-99	99			
	Macclesfield	9	9	9	500	55-0	43-0	49-0	+1-0	85	22	—	—	36-02	106	1-29	16 Sep.	194	153	14	3	2	12	14	36	—	—	—	—	—	—	—	—	—			
	Manchester Airport Northwich (Winnington)	21	9	9	248	56-1	43-8	49-9	—	86	22	—	—	30-45	102	-99	16 Sep.	180	144	15	2	15	20	10	35	64	4	—	—	—	—	—	—	3-62	—		
	Wallasey	9	9	9	65	57-3	44-7	51-0	—	88	24	—	—	30-96	—	1-27	20 Jul.	182	145	6	1	0	7	18	29	43	4	—	—	—	—	—	—	—			
	West Kirby Park	9	9	9	57	56-3	45-8	51-1	—	84	25	—	—	29-51	—	1-39	17 Sep.	180	137	1	0	8	4	17	20	—	3	—	—	—	—	—	—	3-97	—		
		9	9	9	17	56-5	44-8	50-7	—	84	25	—	—	30-67	—	1-82	2 Jul.	180	136	2	—	4	7	—	—	27	61	12	—	—	—	—	—	4-04	—		
7b. NORTH WALES																																					
Flint	Hawarden Bridge	9	9	9	17	57-3	43-9	50-6	+0-9	85	23	—	—	27-33	112	1-08	24 Sep.	169	124	7	0	7	10	15	35	—	—	—	—	—	—	—	—	—			
	Prestatyn	9	9	9	12	56-3	45-0	50-7	—	83	23	—	—	28-06	—	1-37	16 Sep.	176	133	4	—	4	2	19	22	—	—	—	—	—	—	—	—	3-91	—		
	Rhyl	9	9	9	31	56-4	44-9	50-7	+0-6	83	24	—	—	26-60	103	-94	10 Aug.	171	129	5	0	12	9	5	24	24	16	—	—	—	—	—	—	4-04	99		
Anglesey	Holyhead (Valley)	21	9	9	26	56-1	46-2	51-1	+0-7	82	23	—	—	40-50	123	1-71	10 Aug.	197	145	7	0	16	11	5	13	38	29	—	—	—	—	—	—	—	4-44	103	
Denbigh	Bwlchgwyn	9	9	9	1267	51-7	40-5	46-1	—	77	24	47-0	—	47-26	—	1-98	23 Sep.	203	165	13	7	9	6	45	50	101	7	—	—	—	—	—	—	—	—		
	Colwyn Bay	9	9	9	118	56-6	45-7	51-1	+0-6	80	27	—	—	38-00	131	1-91	10 Aug.	184	152	1	0	3	10	0	12	—	7	—	—	—	—	—	—	—	4-24	105	
	Ruabon	9	9	9	312	57-0	43-0	50-0	—	84	22	—	—	36-84	—	1-69	3 Jul.	174	139	21	4	17	12	17	39	75	13	—	—	—	—	—	—	—	3-72	—	
	Wrexham	9	9	9	275	56-7	43-2	49-9	—	85	23	49-8	50-1	30-43	—	1-61	24 Sep.	175	128	14	2	9	16	21	38	105	2	—	—	—	—	—	—	—	—		
Caernarvon	Aber	9	9	9	60	56-9	45-9	51-4	+0-9	83	28	—	—	46-57	—	2-59	10 Aug.	201	161	8	0	12	10	1	10	46	—	—	—	—	—	—	—	—	3-71	101	
	Bryn Adda	9	9	9	275	55-6	45-2	50-4	—	81	28	—	—	53-93	—	3-31	10 Aug.	223	168	8	1	7	7	1	10	56	11	—	—	—	—	—	—	—	4-16	—	
	Llandudno	†§	9	9	13	56-3	46-2	51-3	+0-7	82	25	—	—	32-27	115	1-78	10 Aug.	179	131	3	0	13	11	—	9	—	19	—	—	—	—	—	—	—	4-34	106	
Merioneth	Barmouth	9	9	9	10	57-3	48-1	52-7	—	85	30	—	—	51-26	—	3-07	5 Aug.	193	158	1	0	10	4	2	5	17	15	—	—	—	—	—	—	—	3-30	—	
	Blaenau Ffestiniog	9	9	9	750	—	44-2	—	—	—	—	—	—	112-84	—	3-81	29 Oct.	230	202	12	4	10	11	31	19	—	—	—	—	—	—	—	—	—	—		
	Harlech	21	9	9	754	53-1	45-2	49-1	—	81	27	—	—	75-76	—	2-69	2 Jul.	218	178	6	7	13	9	32	19	—	—	—	—	—	—	—	—	—	—		
Montgomery	Lake Vyrnwy	9	9	9	995	53-3	41-1	47-2	—	78	21	—	—	67-04	121	1-52	24 Sep.	210	181	12	12	7	12	56	89	—	—	—	—	—	—	—	—	—	—	—	
8a. SOUTH WALES																																					
Cardigan	Aberporth	21	9	9	376	55-0	46-4	50-7	—	81	27	—	—	37-73	101	1-77	23 Sep.	186	144	7	1	15	5	6	11	34	11	—	—	—	—	—	—	—	4-51	—	
	Aberystwyth	9	9	9	12	56-4	45-9	51-1	—	86	25	—	—	39-18	107	1-29	24 Sep.	197	156	0	0	1	8	1	22	—	—	—	—	—	—	—	—	—	—	4-18	103
	* Llety-evan-hen	9	9	9	950	53-4	43-3	48-3	—	79	25	—	—	63-16	—	1-95	28 Oct.	209	173	2	—	6	3	26	23	67	—	—	—								

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1957

Table with columns for District, County and Place; Terminal Hours of Observation; Air Temperature in Degrees Fahrenheit (Means of A, B, Mean of A and B, Difference from Average, Absolute Maximum and Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather Number of days (Precip'n, Snow or Sleet, Snow lying at 9h., Hail, Thunder heard, Fog (9h. G.M.T.), Air Frost, Ground Frost, Gale); Bright Sunshine (Hours per day, Percentage of Average).

TABLE IV—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1957

Table with columns for District, County and Place; Hour of Observation; Mean Pressure (At Mean Sea Level, Difference from Average); Mean Temperature and Humidity (Dry Bulb, Depression of Wet Bulb, Vapour Pressure, Relative Humidity); Cloud Amount (OKTAS); Visibility (NUMBER OF OBSERVATIONS); Wind, Number of Observations (FORCE (0-12), DIRECTION).

† Mean pressure at Station Level is 969.5 mb.
Visibility. Entries are in italics where there is no visibility object within 10 per cent. of the correct distance.
H indicates that the means of relative humidity and vapour pressure have been computed from the daily values (see notes on tables).

TABLE IV (continued)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1957

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE				MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					VISIBILITY							WIND, NUMBER OF OBSERVATIONS																		
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS							FORCE (0-12)				DIRECTION																
									Mean Amount	0	1	2	3	4	5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	Beaufort Force				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																														8 or more	7	6	5								
3. ENGLAND, E.—contd.																																									
Hertford	Bovingdon .. H	9	517	1016.0	—	49.0	2.3	10.4	84	5.9	15	42	47	141	107	13	0	7	9	12	10	39	123	102	52	11	0	0	2	175	166	22	34	48	23	18	63	59	59	39	
		21	517	1015.9	—	48.3	2.0	10.2	86	5.3	40	48	56	97	114	10	0	10	5	11	25	50	139	88	37	1	0	0	0	8	114	218	25	33	44	29	14	71	61	58	30
Essex	Shoeburyness H	9	396	1015.9	—	49.8	2.8	10.1	82	5.4	21	60	69	87	117	11	0	2	3	19	44	294	0	0	0	0	0	0	0	12	147	203	3	39	34	26	31	50	68	80	34
		15	12	1016.4	+0.7	51.6	3.1	10.8	80	5.8	28	29	65	105	133	5	0	6	0	8	10	34	130	135	41	1	1	1	0	18	187	160	0	25	39	54	30	46	77	61	33
Stansted .. H	.. H	21	12	1015.8	—	55.0	4.7	10.9	72	5.8	24	36	50	137	117	1	0	1	3	4	14	36	127	141	36	3	0	0	14	128	221	2	38	45	27	25	62	84	59	23	
		9	334	1016.1	—	49.9	2.5	10.5	84	5.4	7	47	60	65	119	3	0	3	0	4	21	67	107	90	50	7	0	0	4	151	199	11	52	21	26	32	48	82	56	37	
Stansted .. H	.. H	15	334	1015.3	—	55.0	4.8	10.7	72	5.9	8	29	75	160	91	2	1	0	3	10	43	98	123	68	18	0	0	0	6	190	161	8	54	23	29	27	52	72	63	37	
		9	769	1015.0	—	48.7	2.7	9.8	82	5.7	31	32	52	100	140	10	0	15	0	2	14	47	169	52	9	0	0	0	11	134	202	18	15	45	32	20	23	102	80	30	
4. MIDLAND COUNTIES																																									
Yorks., W.R.	Huddersfield H	9	769	1015.0	—	48.7	2.7	9.8	82	5.7	31	32	52	100	140	10	0	15	0	2	14	47	169	52	9	0	0	0	11	134	202	18	15	45	32	20	23	102	80	30	
		15	769	1014.3	—	46.1	1.6	9.7	77	4.8	73	42	50	63	135	2	0	4	4	7	9	30	132	59	68	54	4	4	21	90	222	28	14	39	40	23	24	81	110	17	
Huddersfield H	(Ravensknowle)	9	329	1015.1	—	49.3	3.4	9.5	87	6.7	4	16	51	102	187	5	0	0	4	3	10	56	157	60	53	18	0	0	3	30	310	22	9	25	48	28	26	84	73	49	
		15	329	—	—	53.5	5.1	9.6	67	6.4	5	18	78	86	177	1	1	2	4	34	52	64	208	0	0	0	0	0	5	64	286	10	14	23	41	41	25	82	80	49	
Lindholme .. H	.. H	9	21	1014.8	—	45.1	1.2	9.8	93	5.0	71	40	37	79	126	12	0	14	8	22	44	85	99	81	12	0	0	0	3	84	202	76	36	10	20	10	67	43	60	33	
		15	21	1015.2	—	49.5	2.4	10.4	84	6.0	15	36	53	131	120	10	0	10	6	5	11	40	59	119	75	43	5	1	7	136	177	44	43	24	19	28	71	38	51	47	
Nottingham	Nottingham H	9	215	1015.8	—	54.7	4.4	10.8	73	5.4	4	4	64	162	95	0	0	2	4	17	16	40	118	118	56	9	0	0	24	180	148	13	43	29	38	36	56	40	83	27	
		15	21	1015.5	—	48.3	1.7	10.4	87	5.2	13	26	54	129	114	4	0	2	4	11	37	75	128	85	22	1	1	6	90	225	43	40	20	33	34	59	46	69	21		
Watnall .. H	.. H	9	337	1015.2	—	50.1	1.8	11.1	87	5.9	6	54	47	116	142	0	0	10	5	14	47	63	104	98	32	0	0	0	1	19	333	12	24	64	23	22	25	79	88	28	
		15	337	1015.4	—	53.8	4.6	10.3	84	6.2	17	37	58	159	113	4	0	3	1	11	26	54	130	83	50	7	0	0	4	133	217	11	24	37	41	35	38	69	91	30	
Northampton	Wittering .. H	9	219	1015.8	—	48.0	2.0	10.1	85	5.1	56	49	45	71	138	6	0	1	4	18	45	77	152	57	10	1	0	0	5	66	256	38	27	31	52	11	34	59	77	36	
		15	219	1015.1	—	45.4	1.1	9.9	91	4.9	73	37	49	75	109	22	1	7	8	11	34	50	117	94	36	7	0	0	3	138	194	30	53	27	13	13	42	70	92	25	
Warwick	Birmingham H	9	542	1015.7	+0.7	49.1	2.2	10.5	85	6.1	17	32	46	144	110	16	0	2	1	3	14	41	36	95	124	37	7	6	171	164	24	47	30	24	11	49	78	75	27		
		15	542	1015.0	—	48.5	2.6	9.7	82	5.7	27	38	48	129	116	7	0	2	6	6	12	46	26	136	91	38	4	0	3	106	248	8	35	29	35	26	69	63	67	33	
Elmdon .. H	.. H	9	369	1015.5	—	53.9	5.2	9.8	69	5.9	16	25	80	129	115	0	0	0	1	3	27	21	133	93	63	24	0	0	6	139	216	4	29	33	33	27	66	64	79	30	
		15	369	1015.4	—	45.4	1.2	9.8	91	5.1	57	43	46	90	119	10	0	1	4	5	21	57	129	119	19	1	0	0	2	85	252	26	35	26	20	36	48	107	42	25	
Oxford	Oxford .. H	9	219	1015.5	—	48.8	2.4	10.2	84	5.1	41	63	63	167	94	1	0	1	0	3	18	50	169	86	32	6	1	17	161	185	1	29	40	35	27	58	85	59	31		
		15	219	1015.0	+1.4	45.1	1.4	9.5	89	5.4	42	52	34	99	131	8	0	5	5	15	22	85	159	64	12	0	0	7	100	244	14	28	31	38	27	51	93	41	42		
Shropshire	Shawbury .. H	9	242	1015.4	—	48.9	2.7	9.9	82	6.1	9	41	31	166	110	8	0	0	7	0	19	29	80	101	79	38	0	5	118	189	53	40	9	38	33	49	52	60	31		
		15	242	1014.6	—	54.5	4.9	10.4	71	6.0	6	40	50	175	92	2	0	1	1	1	9	29	80	74	80	90	0	11	168	173	13	42	22	36	32	55	58	64	43		
Shrewsbury H	.. H	9	186	1015.8	—	48.3	2.3	10.0	84	5.2	32	66	46	113	104	4	0	4	2	16	14	43	72	82	93	48	0	6	77	235	47	35	20	36	24	47	64	60	32		
		15	226	1015.7	+0.5	50.2	3.1	10.2	81	5.9	11	40	63	137	110	4	0	4	4	11	15	3	76	109	143	0	0	22	102	236	5	38	25	24	66	56	37	62	52		
Hereford	Ross-on-Wye H	9	226	1015.9	—	50.1	3.0	10.1	80	5.9	12	55	41	120	128	3	0	10	3	6	23	16	118	61	118	10	0	2	71	269	23	43	43	28	20	47	97	46	18		
		15	226	1015.6	—	55.8	5.6	10.4	68	5.9	13	37	65	124	123	9	0	2	1	1	10	12	119	50	134	36	0	2	112	244	7	40	37	35	17	42	95	67	25		
Gloucester	Bristol (Filton)H	9	197	1015.9	—	50.1	2.8	10.2	80	5.2	14	95	41	85	122	8	2	2	3	13	36	118	52	111	20	0	0	3	51	285	26	29	35	42	13	54	98	52	16		
		15	197	1015.6	—	47.2	1.5	10.2	89	5.0	62	49	43	83	123	5	2	6	0	5	20	42	131	126	32	1	0	5	83	228	49	51	27	37	10	62	55	68	6		
Little Rissington H	.. H	9	197	10																																					

TABLE IV (continued)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1957

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					VISIBILITY							WIND, NUMBER OF OBSERVATIONS																	
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	No. of Observations				NUMBER OF OBSERVATIONS							FORCE (0-12)					DIRECTION												
										0	1	2	3	4	5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	Beaufort Force					N.	N.E.	E.	S.E.
			34 or more	8 or more	6	4	3	2	1	0	34 or more	22 to 33	11 to 21	1 to 10	0																							
5. ENGLAND, S.E.—contd.																																						
Wiltshire—contd.	3	458	1015.8	—	45.9	1.0	10.1	92	5.1	66.45	41	58	146	9	0	8	6	6	22	27	103	134	57	2	1	8	110	218	28	29	50	27	16	57	90	56	12	
Lyneham .. H	9	458	1016.3	—	49.2	2.1	10.6	86	5.9	14.40	51	136	113	11	0	7	4	13	14	31	77	117	85	17	0	15	159	171	20	31	59	20	24	59	83	46	23	
Upavon .. H	15	458	1015.4	—	54.8	4.5	10.9	73	6.0	13.26	68	157	99	2	0	2	1	2	1	18	73	111	105	52	0	24	192	133	16	32	49	20	23	60	67	76	22	
	21	458	1016.1	—	49.3	2.2	10.5	85	5.1	14.53	56	23	98	122	3	1	2	9	16	23	98	122	74	18	0	17	109	220	19	24	44	37	16	49	83	74	19	
	9	582	1016.2	—	49.1	2.1	10.6	86	5.9	19.37	52	131	112	14	1	8	8	7	15	15	134	101	62	14	0	7	115	223	20	47	43	42	22	51	52	58	30	
	15	582	1015.4	—	54.3	4.3	10.9	75	6.0	17.21	65	160	101	1	1	1	2	1	7	14	115	100	93	31	0	18	135	206	6	38	42	32	17	57	57	84	32	
	21	582	1016.2	—	48.2	1.7	10.4	88	4.9	61.51	50	80	117	6	0	6	7	0	8	15	135	108	74	12	0	9	81	243	32	36	38	39	20	45	54	71	30	
7a. ENGLAND, N.W.																																						
Cumberland Silloth .. H	3	27	1013.7	—	46.0	1.4	9.7	88	5.3	30.68	52	85	122	8	0	6	3	8	13	26	92	165	46	6	0	12	123	192	38	26	59	49	13	43	70	49	18	
	9	27	1014.0	—	48.9	2.4	10.1	83	5.9	6.50	52	156	100	1	0	7	2	0	16	30	115	130	44	27	0	12	139	186	28	18	62	41	14	83	61	27		
	15	27	1013.4	—	52.9	3.9	10.5	76	6.0	5.35	59	178	87	1	0	0	2	0	20	110	114	76	33	1	1	11	173	174	6	18	38	43	15	41	130	52	22	
	21	27	1013.9	—	48.3	2.1	10.1	85	5.2	26.76	44	108	110	1	0	2	0	2	17	28	96	166	46	8	1	13	113	219	19	17	58	43	12	51	97	43	25	
Lancashire Speke .. H	3	85	1014.6	—	47.7	2.0	9.9	85	5.2	58.39	47	88	130	3	2	3	0	14	13	32	101	88	97	15	1	16	137	181	30	34	29	36	45	67	35	48	40	
	9	85	1015.1	—	50.4	3.0	10.1	78	6.1	18.33	32	164	115	3	3	5	1	7	31	40	141	88	38	11	0	21	166	157	21	36	23	27	48	77	38	45	50	
	15	85	1014.5	—	54.6	5.1	10.3	69	5.7	16.46	52	155	96	0	0	1	4	19	29	117	101	69	25	3	3	31	212	115	4	34	20	23	45	54	36	51	98	
	21	85	1014.9	—	50.4	3.1	10.1	79	5.0	56.44	59	91	112	3	0	1	4	6	28	58	128	86	50	4	2	18	144	184	17	35	22	44	35	53	44	66	67	
Squires Gate H	9	35	1014.5	—	50.3	2.6	10.6	83	6.1	11.34	51	110	116	3	0	1	11	11	22	60	102	100	51	17	1	19	181	158	6	27	17	51	70	44	46	66	38	
	15	35	1014.0	—	53.7	3.7	11.0	77	5.8	14.49	37	169	96	1	0	0	3	16	41	99	92	65	49	0	2	27	201	137	0	12	18	33	51	37	49	96	69	
	21	35	1014.4	+0.6	49.4	2.2	10.5	85	5.3	24.62	62	102	110	2	0	0	6	23	60	126	102	43	4	2	2	22	143	193	5	21	29	61	47	42	45	69	46	
Cheshire Bidston Obs'y.H	9	202	1014.7	—	50.0	2.7	10.2	82	6.1	17.32	46	126	142	2	1	6	3	18	31	102	125	42	26	11	1	17	177	207	23	24	20	46	64	25	38	77	48	
	15	202	1014.6	—	46.1	1.8	9.5	86	5.5	34.53	45	82	146	5	0	1	3	13	18	48	200	79	3	0	1	2	115	219	28	18	32	34	40	106	44	39	24	
	21	251	1014.9	—	49.3	3.1	9.8	79	6.0	14.35	51	154	109	2	1	1	2	6	27	60	173	82	13	0	0	14	149	195	7	25	21	37	40	101	50	51	33	
Manchester Airport H	9	251	1014.3	—	54.4	5.4	10.0	68	6.1	13.25	64	169	94	0	1	0	3	12	37	145	176	40	11	0	0	26	187	150	2	12	25	36	33	72	52	89	44	
	15	251	1014.9	—	49.0	2.7	9.9	81	5.4	29.59	53	89	132	3	0	1	3	10	17	59	213	59	3	0	0	6	116	225	18	16	37	44	36	74	56	54	30	
7b. NORTH WALES																																						
Anglesey Holyhead .. H	3	29	1014.1	—	48.8	1.7	10.6	88	5.4	51.28	60	70	152	4	0	0	9	6	25	69	147	90	19	7	7	42	121	164	31	41	39	29	16	76	51	52	30	
	9	29	1014.5	+0.6	51.3	2.7	10.8	82	6.3	10.21	55	146	131	2	0	1	0	4	8	22	70	99	108	53	8	46	152	134	25	38	32	30	14	78	62	48	38	
	15	29	1014.2	—	54.2	3.8	11.1	76	6.0	12.32	59	155	107	0	0	0	1	6	16	57	115	91	79	10	4	40	179	128	8	48	35	11	9	68	102	48	36	
	21	29	1014.5	—	50.2	2.0	10.9	86	5.5	27.44	71	79	142	2	0	0	4	4	24	70	126	95	42	4	4	40	126	161	34	31	39	29	10	82	57	45	38	
Caernarvon Llandudno .. H	9	33	1015.1	—	51.9	2.9	11.0	80	5.8	10.47	54	134	120	0	0	0	0	1	2	42	59	220	41	3	16	102	224	20	22	33	54	20	36	49	100	31		
Merioneth Harlech .. H	9	771	1014.9	—	48.3	2.0	10.1	85	6.4	8.37	28	150	110	32	0	28	4	0	2	6	31	56	60	178	2	37	160	153	13	26	33	43	37	78	31	61	43	
	21	771	1015.1	—	48.1	1.9	10.1	86	5.7	20.63	32	86	139	25	0	26	0	0	1	8	41	56	98	135	1	36	168	149	11	17	40	46	54	94	20	46	37	
8a. SOUTH WALES																																						
Cardigan Aberporth .. H	3	379	1014.9	—	48.4	1.8	10.3	86	5.0	57.47	52	63	144	2	0	1	2	1	3	12	83	139	90	34	0	28	170	140	27	17	30	15	34	102	56	62	22	
	9	379	1015.3	—	50.3	2.4	10.7	83	5.9	12.45	44	144	119	1	0	1	2	1	3	18	61	104	95	80	1	24	193	134	13	23	51	8	37	83	57	55	38	
	15	379	1014.9	—	53.3	3.5	11.0	77	5.6	10.58	60	135	100	2	0	0	1	1	0	15	58	96	83	111	2	36	210	108	9	46	43	9	21	67	53	74	43	
	21	379	1015.3	—	49.8	2.2	10.6	84	5.1	33.66	50	104	107	5	0	1	4	0	13	72	133	76	65	0	0	25	157	143	40	19	32	14	25	91	58	59	27	
Radnor Llandrindod Wells	9	725	1015.9	—	48.8	2.5	9.9	83	6.1	11.48	52	47	201	6	0	6	0	1	0	4	52	174	83	0	0	0	3	25	312	25	20	51	16	30	36	123	24	40
Glamorgan Cardiff ..	9	203	—	—	50.9	3.0	10.4	81	6.3	2.16	99	83	139	26	0	5	7	9	26	52	152	78																

TABLE V [First Published 1913].—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1957 AT SELECTED STATIONS

* DISTRICT AND PLACE	WARMEST				COLDEST				DISTRICT AND PLACE	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and Date	°F.	Highest Minimum and Date	°F.	Lowest Maximum and Date	°F.	Lowest Minimum and Date	°F.		Highest Maximum and Date	°F.	Highest Minimum and Date	°F.	Lowest Maximum and Date	°F.	Lowest Minimum and Date	°F.
0. SCOTLAND, N.									6a. SCOTLAND, W.— <i>contd.</i>								
Baltsound ..	Jun. 16	69	Au. 10, 11, 17, 19	53	Feb. 18, Dec. 8, 31	37	Dec. 11	22	Kilmarnock ..	Jun. 16	83	Jun. 2, 28, Aug. 5	60	Jan. 16	37	Jan. 16	21
Lerwick Obsy. ..	Jun. 16	64	Jul. 15, Aug. 10, 17, 19	53	Dec. 9	32	Dec. 10	25	Largs ..	Jun. 17	84	Jul. 7, Aug. 5, 8, 9, 10, 11	59	Jan. 12	37	Feb. 19	24
Grimsetter ..	Jun. 14, 16	70	Jun. 28, 29	54	Dec. 9	36	Jan. 25, Feb. 19, Dec. 10	31	Prestwick ..	Jun. 15	83	Aug. 5	62	Jan. 14	36	Jan. 17, D. 15	25
Sule Skerry ..	Jun. 15, 16, 30	63	Aug. 2, 10, 19, Oct. 7	53	Feb. 23, Mar. 4, Dec. 9	39	Dec. 10	31	Prestwick Apt. ..	Jun. 16	84	Aug. 5	62	Jan. 14, D. 24	37	Jan. 16, Feb. 19, Dec. 15	24
Wick ..	Jun. 14, 16	69	Jun. 2	55	Dec. 30	34	Dec. 31	22	Dumfries ..	Jun. 16	82	Jul. 7	60	Jan. 14	34	Feb. 19, 20	21
Cape Wrath ..	Jun. 15	72	Jun. 16	59	Feb. 15, 20, 23	37	Apr. 11	22	Eskdalemuir ..	Jun. 16	80	Jul. 7	58	Jan. 24, 25, Dec. 15	37	Feb. 19	13
Lairg ..	Jun. 16	80	Jun. 2, 15, Aug. 10	55	Dec. 15, 30	34	Dec. 10, 25	30	Ruthwell ..	Jun. 16	87	Jul. 7	59	Dec. 9, 31	37	Dec. 15	20
Strathy ..	Jun. 15	80	Jun. 29	55	Feb. 17, 19	37	Feb. 21	21	Castle Douglas ..	Jun. 16	83	Jul. 7, 18, 25	58	Jan. 14	37	Dec. 15	16
Achnashellach ..	Jun. 15	82	Jun. 15	57	Dec. 31	31	Feb. 21	22	Glenlee ..	Jun. 16, Jl. 6	82	Jul. 9	60	Jan. 14, D. 31	38	Dec. 15	14
Fortrose ..	Jun. 14, 16	75	Jun. 29, Aug. 19, 20	57	Dec. 9	36	Feb. 21, 27, Dec. 15	30	Glenlochlar ..	Jun. 16	81	Jul. 25	59	Dec. 9	38	Feb. 20	19
Kinlochewe ..	Jun. 15	83	—	—	Dec. 31	34	—	—	6b. ISLE OF MAN								
Stornoway ..	Jun. 15	76	July 7	57	Dec. 9, 30	36	Dec. 31	24	Douglas ..	Jun. 16	78	Jun. 18	60	Jan. 14, Feb. 16, 18	39	Feb. 20	27
Benbecula ..	Jun. 15	74	Jul. 7, Au. 10	57	Feb. 20	36	Dec. 31	26	Point of Ayre ..	Jun. 16, 21	75	Jun. 28, Jul. 25, Aug. 5, 8, 9	60	Jan. 14	39	Feb. 20	25
Dannhall ..	Jun. 16	84	Jun. 15	56	—	—	Feb. 21	10	Ronaldsway ..	Jun. 16	79	Jl. 25, Au. 5, 9	60	Jan. 14	39	Feb. 20	24
Dalwhinnie ..	Jun. 16	84	Jun. 28, Jl. 25	54	Dec. 31	30	Feb. 22	12	2. ENGLAND, N.E.								
Duntulm ..	Jun. 15	72	Aug. 10	59	Jan. 24	37	Feb. 19	29	Acklington ..	Jun. 28	74	Jun. 29	62	Jan. 2	35	Jan. 25, D. 2, 3	23
Ft. Augustus ..	Jun. 16	85	Jul. 25, Aug. 6	58	Dec. 31	32	Jan. 16, 17, Dec. 14, 15	23	Bellingham ..	Jun. 16	78	Jun. 29	57	F. 23, Dec. 9, 14	35	Feb. 19, Dec. 10	20
Ft. William ..	Jun. 15, 16	80	Aug. 6, 9	57	Dec. 31	31	Dec. 14	21	Berwick-on-T. ..	Jul. 1, 7	72	Jun. 28	60	Dec. 15	37	Jan. 25, F. 19, 22, Dec. 2	26
Glenmore Lge. ..	Jun. 16	81	Jul. 25, Aug. 20	55	Feb. 17, 13	33	Feb. 19, 22, 27, Dec. 14, 15	9	Haydon Bridge ..	Jun. 17	78	Jun. 29	61	Jan. 14	34	Feb. 20, D. 3	18
Kincraig ..	Jun. 16	85	Jun. 13, 29, Jul. 25, Au. 10	55	Dec. 14, 31	29	Feb. 22	9	Kielder Castle ..	Jun. 16	79	Jun. 29, Jul. 7, 25	58	Feb. 17	32	Feb. 19, 20	14
Onich ..	Jun. 16	80	Aug. 8, 9	58	Jan. 16, Feb. 18, Dec. 31	32	Feb. 19, Dec. 10, 14	25	Tynemouth ..	Jun. 28	78	Jun. 29	63	Dec. 15	36	Feb. 19	27
1. SCOTLAND, E.									Chopwellwood ..	Jun. 28	79	Jun. 29	60	—	—	Feb. 19	21
Nairn ..	Jun. 15	79	Jun. 2	57	Dec. 31	35	Dec. 10, 15	23	Durham ..	Jun. 28	80	Jun. 29	61	Dec. 15	34	Jan. 19, F. 19	22
Elgin ..	Jun. 15	83	Jun. 16	57	Dec. 31	35	F. 21, Dec. 10	26	Gateshead ..	Jun. 28	78	Jun. 28, 29	59	Dec. 15	34	F. 19, D. 10, 15	26
Findhorn ..	Jun. 15, 16	77	Jun. 28	58	Dec. 31	36	F. 21, D. 10, 31	27	Houghall ..	Jun. 28	82	Jun. 29	61	Dec. 15	32	Feb. 20	17
Forres ..	Jun. 15	81	Jun. 16	59	Dec. 30, 31	35	Feb. 21	24	Middleton St. G. ..	Jun. 28	82	Jun. 29, Au. 20	62	Nov. 7, Dec. 15, 16	35	Feb. 20	21
Banff ..	Jun. 16	80	Jun. 29	58	Dec. 14, 31	37	Dec. 10	26	Ushaw ..	Jun. 28	79	Jun. 29	60	Jan. 14, D. 15	35	Feb. 19	23
Glenlivet ..	Jun. 16	80	Jun. 28	55	Dec. 9, 31	31	F. 21, Dec. 10	11	W. Hartlepool ..	Jun. 28	80	Jun. 29	62	Dec. 16	37	Feb. 19, 20	25
Aberdeen ..	Jun. 29	75	Jun. 29	60	Dec. 14	33	Dec. 15	22	Ampleforth ..	Jun. 28	82	Jun. 29, 30, Jul. 25	59	Dec. 16	34	Feb. 16	21
Balmoral ..	Jun. 16	80	Jun. 2, 13	56	Dec. 14	30	Dec. 15	14	Dishforth ..	Jun. 28	85	Aug. 20	63	Dec. 3, 15	35	Feb. 20, D. 3	22
Craibstone ..	Jun. 29	74	Jun. 29	58	D. 9, 14, 30, 31	35	Dec. 10	24	Redcar ..	Jun. 28	83	Jun. 29	64	Dec. 15	38	Feb. 19	25
Dyce ..	Jun. 29	75	Jun. 29	59	Jan. 25, D. 14, 15, 23, 30, 31	36	Dec. 10	19	Scarborough ..	Jun. 28	86	Jun. 29	62	Dec. 16	37	Feb. 19, 20, 21, Dec. 10	29
Ratray Head ..	Aug. 19	70	Jun. 29	57	Jan. 14, 27, Dec. 15, 31	37	Dec. 15, 16	25	Silpho Moor ..	Jun. 28	82	Jun. 29	59	Jan. 14	34	Feb. 20	24
Udny ..	Jun. 13, 29	71	Jun. 29	56	Dec. 14, 30, 31	35	Dec. 10, 11	22	Whitby ..	Jun. 28	84	Jun. 29	63	Jan. 19	37	Feb. 20	23
Stonehaven ..	Jun. 29, Jl. 21	76	Jun. 29	59	Dec. 9, 14	37	Dec. 15	24	York ..	Jun. 28	87	Jun. 29	61	Dec. 16	36	Feb. 20	24
Arbroath ..	Jun. 29, Jl. 29	73	Jun. 29, Jl. 8	57	Dec. 14	37	Dec. 15	25	Bridlington ..	Jun. 28	81	Jun. 29, Au. 20	59	Jan. 14, D. 16	36	Dec. 10	26
Buddon Ness ..	Jun. 13	75	Jul. 8, Aug. 8	58	Dec. 31	36	Jan. 30	17	Driffield ..	Jun. 28	86	Jun. 29, Au. 20	60	Jan. 14, 19, Dec. 16	36	Dec. 2	20
Dundee ..	Jun. 13	78	Jul. 8	58	Dec. 31	34	Dec. 15	25	Filey ..	Jun. 28	84	Jun. 29	60	Jan. 19, D. 16	35	Feb. 20	24
Glamis Castle ..	Jun. 13, 14	76	Jul. 8, Aug. 11	56	Dec. 2	33	Dec. 2, 31	21	H. Mowthorpe ..	Jun. 28	82	Jun. 28, 29	59	Jan. 14, 19	34	Feb. 20	24
Montrose ..	Jun. 13	75	Jun. 29	58	Dec. 31	35	Dec. 10	24	Hull ..	Jun. 28	88	Jun. 29	62	Jan. 14, D. 16	38	Feb. 20	24
Perth ..	Jun. 14	80	Jul. 25	58	Dec. 31	35	Dec. 16	18	Spurn Head ..	Jun. 28	86	Jun. 29, Au. 20	61	Dec. 16	37	Jan. 14	30
Pitlochry ..	Jun. 16	79	Jul. 25, Au. 8	57	Dec. 14	29	Dec. 15	16	Cranwell ..	Jun. 28	87	Jun. 29, Jul. 7, Aug. 20	61	Jan. 14	35	Dec. 2	22
Leuchars ..	Jun. 13	75	Jun. 28	61	Jan. 27, Dec. 15, 31	35	Dec. 31	24	Horncastle ..	Jun. 28	87	Jul. 7, Au. 20	60	Jan. 14	35	F. 20, D. 4, 10	25
Bush House ..	Jun. 15	76	Jun. 28	58	Dec. 15	32	Dec. 15	22	Lincoln ..	Jun. 28	88	Jul. 7	62	Dec. 16	36	Feb. 20	18
Edinburgh—									Manby ..	Jun. 28	87	Aug. 20	61	Dec. 9	37	Feb. 22	22
Blackford H. ..	Jun. 15	78	Jun. 28	61	Dec. 10	35	F. 19, Dec. 15	28	Skegness ..	Jun. 28	87	Aug. 6	62	Jan. 19	37	Dec. 4	26
Liberton ..	Jun. 15	79	Jun. 14, 28	60	Dec. 9, 14	37	Dec. 15	23	Waddington ..	Jun. 28	87	Jun. 29	62	Jan. 14	35	Dec. 2	23
Midcalder ..	Jun. 21	76	Jun. 28	59	Jan. 14	35	Dec. 15	22	3. ENGLAND, E.								
Turnhouse ..	Jun. 21	78	Jun. 28	61	Jan. 10	34	Dec. 15	19	Burlingham ..	Jun. 28, 29, 30	86	Jul. 7	63	Jan. 14, F. 19	37	Dec. 17	25
Haddington ..	Jun. 14	78	Jun. 28	61	Dec. 9, 14	37	D. 3, 15, 24, 25	24	Gorleston ..	Jun. 27	81	Jun. 29, Jl. 7	64	Dec. 17	35	Dec. 17	27
Marchmont ..	Jun. 15	77	Jun. 2, 28, Aug. 19	58	Dec. 31	35	Jan. 25, Feb. 19	22	Marham ..	Jun. 28	89	Jul. 7	62	Dec. 4	31	Dec. 17	20
Broughton ..	Jun. 14, 16	80	Jun. 28, Jul. 7, 25	57	Jan. 14	33	Dec. 15	13	Sproston ..	Jun. 28	87	Jun. 29, Jul. 7	64	Jan. 14, F. 19	36	Dec. 2, 3	23
Peebles ..	Jun. 16	80	Jun. 15	60	Dec. 9	35	Feb. 19, 20	18	Terrington St. C. ..	Jun. 28	86	Jul. 7	62	—	—	Dec. 3	25
Kelso ..	Jun. 14	80	Jul. 8, Aug. 10, 11	58	Dec. 2	38	Dec. 2, 3	22	W. Raynham ..	Jun. 28	87	Jul. 7	64	Dec. 17	33	Feb. 22	22
Sourhope ..	Jun. 16	82	Jun. 28, 29, Jul. 7, 25	53	Jan. 14, F. 14, Dec. 9, 31	35	Dec. 10	16	E. Bergholt ..	Jun. 29, 30	91	Jul. 7	62	Jan. 14	36	Dec. 17	20
6a. SCOTLAND, W.									Ipswich ..	Jun. 30	91	Jul. 7	62	Dec. 16	36	Dec. 17	22
Colonsay ..	Jun. 15, 17	77	Aug. 6	57	Jan. 24, D. 14	39	Dec. 14	23	Lowestoff ..	Jun. 27, 30	80	Jul. 7	64	Dec. 4	38	Dec. 17	24
Dunoon (Ben.) ..	Jun. 15, 16	81	—	—	Feb. 16	38	Jan. 16	21	Mildenhall ..	Jun. 29	92	Jun. 29	65	Dec. 4	33	Dec. 16	22
Water Wks. ..	Jun. 15, 16	81	Aug. 10, 11	58	Feb. 24	38	Jan. 17, D. 15	27	Boxworth ..	Jun. 29	90	Jul. 7	62	Dec. 16	35	Dec. 2	24
Glenbranter ..	Jun. 15, 16	81	Aug. 9	59	Jan. 16, 17, Dec. 14	34	Feb. 19	21	Cambridge ..	Jun. 29	92	Jun. 30	62	Dec. 4	36	Dec. 17	21
Tiree ..	Jun. 17	73	Jl. 7, Aug. 5	58	Dec. 31	37	Feb. 18, 19	27	Wyton ..	Jun. 29	89	Jun. 29	63	Dec. 17	34	Dec. 2	24
Millport ..	Jun. 15	79	Aug. 5	60	Jan. 24, F. 23	40	Nov. 2	29	Cardington ..	Jun. 29	90	Jul. 24	62	Dec. 17	35	Dec. 3	20
Rothsay ..	Jun. 15	82	Jul. 5	59	F. 16, Dec. 10	37	Feb. 19	29	Dunstable ..	Jun. 29	89	Jun. 29	63	Dec. 4	32	Dec. 17	24
Helensburgh ..	Jun. 15, 16, 17	80	—	—	Dec. 14, 31	35	Dec. 15	24	Goldington ..	Jun. 29	90	Jun. 29	62	Dec. 17	35	Dec. 2	22
Falkirk ..	Jun. 14	80	Jul. 7, Aug. 6	58	Jan. 16	36	—	—	Harrold ..	Jun. 28, 29	88	Jul. 24	62	Dec. 4	34	Dec. 12	16
Stirling ..	Jun. 14, 16, 21	78	Jul. 7, Aug. 8, 11, 20	58	Jan. 16	35	Dec. 15	22									

TABLE V (continued)—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1957 AT SELECTED STATIONS

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		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
4. MIDLAND COUNTIES		°F.	°F.	°F.	°F.												
Askham Bryan ..	Jun. 28	86	Jul. 13, Au. 20	59	Jan. 14, D. 16	35	Dec. 3	21	7a. ENGLAND, N.W.— <i>contd.</i>								
Bradford ..	Jun. 28	83	Jun. 29	61	Dec. 2	30	Dec. 3	21	Burnley ..	Jun. 28	83	Jul. 7	62	Jan. 14	35	Feb. 20	20
Huddersfield ..	Jun. 28	85	Jun. 29	62	Dec. 2	29	Dec. 3	20	Darwen ..	Jun. 28	81	Jul. 2	64	Dec. 16	32	Feb. 20	23
Ilkley ..	Jun. 28	84	Jun. 29, 30	61	Dec. 2	27	Dec. 3	20	Kirkham ..	Jun. 16, 17	81	Jul. 7	62	Dec. 16	36	Feb. 20	21
Lindholme ..	Jun. 28	87	Aug. 20	63	Dec. 15, 16	35	Nov. 8, Dec. 2	20	Morecambe ..	Jun. 16, 17	83	Jun. 16	64	Dec. 15	35	Feb. 20	24
Sheffield ..	Jun. 28	85	Jun. 29	62	Jan. 14	35	Feb. 20	24	Nelson ..	Jun. 28	81	Jul. 7	61	Jan. 14	34	Feb. 20	22
Wakefield ..	Jun. 28	88	Jun. 29, Jul. 7	61	Dec. 2	32	Dec. 3, 4	19	Preston ..	Jun. 16, Jul. 6	81	Jul. 7	63	J. 14, D. 15, 16	38	Dec. 15	21
Buxton ..	Jun. 28	81	Jul. 7	60	Jan. 14	32	Feb. 20	20	Rochdale ..	Jun. 28	83	Jul. 7	62	Dec. 3	34	Dec. 4	21
Chesterfield ..	Jun. 28	85	Jul. 7	60	Jan. 14, Dec. 1, 15	35	Feb. 20	18	Speke ..	Jun. 28	84	Jul. 7	64	Dec. 25	33	Feb. 20	24
Derby ..	Jun. 28	89	Jul. 7	62	Dec. 3, 16	36	Dec. 3	21	Squires Gate ..	Jun. 16	85	Jul. 7	62	Dec. 16	35	Feb. 20	19
Shardlow Hall ..	Jun. 28	87	Jul. 7	61	Dec. 16	35	Feb. 20	10	Stonyhurst ..	Jun. 16, 17	80	Jul. 7	62	Dec. 15, 16	36	Feb. 20	23
Mansfield ..	Jun. 28	86	Jul. 7	61	Jan. 14	34	Feb. 20	22	Bidston Obsy. ..	Jun. 16	83	Jun. 29, Jul. 7	62	Jan. 14	36	Dec. 17	28
Nottingham ..	Jun. 28	87	Jun. 28, 30, Jul. 7	60	Dec. 16	35	Feb. 20	21	Macclesfield ..	Jun. 28	85	Jul. 7	63	Jan. 14	35	Feb. 20	22
Sutton Bon'ton ..	Jun. 28	87	Jul. 24, 25, Aug. 20	60	Jan. 14, D. 16	36	Feb. 20	3	Manchester Apt. ..	Jun. 28	86	Jul. 7	62	Jan. 19, D. 16	35	Nov. 8	22
Licester ..	Jun. 28	89	Jul. 6, 7, 24	61	F. 19, D. 4, 16	36	Feb. 20	13	Wallasey ..	Jun. 17	84	Jul. 7	64	J. 14, D. 15, 16	38	Feb. 20, 21	25
Raunds ..	Jun. 28, 29	89	Jul. 7, Au. 20	61	Feb. 19, D. 16	35	Dec. 2	20	W. Kirby Park ..	Jun. 17	84	Jul. 7	63	Dec. 15	33	Dec. 16, 17	25
Wittering ..	Jun. 28	88	Aug. 20	61	Feb. 19, D. 16	35	Dec. 2	20	7b. NORTH WALES								
Birmingham ..	Jun. 28	85	Jul. 6	64	Jan. 19	34	Dec. 16	27	Hawarden Bdg. ..	Jun. 28	85	Jun. 29	63	Dec. 16	35	Feb. 20	23
Luddington ..	Jun. 28	88	Jul. 6	63	Dec. 4, 16	33	Dec. 10, 17	24	Prestatyn ..	Jun. 17	83	Jun. 29	63	Dec. 15	34	Dec. 3, 15	23
Stratford/Avon ..	Jun. 28, 29	88	Jul. 6	63	Dec. 16	33	Feb. 20, D. 16	18	Rhyl ..	Jun. 17	83	Jul. 7	63	Dec. 15	34	Feb. 20	24
Wellesbourne ..	Jun. 28	88	Jul. 6	63	Dec. 16	33	Feb. 20, D. 16	18	Holyhead ..	Jun. 17	82	Jul. 6, Aug. 8	62	Jan. 14	40	Feb. 20	23
Oxford ..	Jun. 28, 29	86	Jul. 6	63	Dec. 4	32	Dec. 2, 3	23	Colwyn Bay ..	Jun. 17	80	Jun. 29, Jul. 7	62	Jan. 14	39	Dec. 15	27
Keele ..	Jun. 28	83	Jul. 6	63	Dec. 4	33	Dec. 4	22	Ruabon ..	Jun. 28	84	Jul. 7	63	Jan. 1	35	Feb. 20, D. 3	27
Oaken ..	Jun. 28	86	Jul. 6	61	Dec. 15, 16	35	Dec. 3	21	Wrexham ..	Jun. 28	85	Jul. 7	63	Jan. 1	35	Dec. 16	23
Newport ..	Jun. 28	85	Jul. 7	61	Dec. 15	32	Jan. 18, Feb. 20, Dec. 16	21	Aber ..	Jul. 6	83	Jun. 18, 19	62	Jan. 14	38	Feb. 20	28
Shawbury ..	Jun. 28	87	Aug. 20	62	Dec. 16	34	Dec. 2, 3, 16	19	Bryn Adda ..	Jul. 5	81	Aug. 8	63	Jan. 14	38	Feb. 20, D. 16	28
Droitwich ..	Jun. 28	86	Jul. 6	64	Dec. 15	33	Dec. 3, 16	20	Llandudno ..	Jul. 6	82	Jul. 7	62	Jan. 14, D. 15	40	Feb. 20, D. 15	25
Malvern ..	Jun. 28	85	Jul. 24	63	Dec. 4	33	Dec. 4	23	Barmouth ..	Jun. 16, 17, 18	85	Jun. 18	69	Jan. 14, D. 15	40	Jan. 18, F. 20,	30
Worcester ..	Jun. 28	86	Jul. 6	63	Dec. 4, 16	34	Dec. 16	20	Harlech ..	Jun. 16, 18	81	Jul. 6	64	Jan. 19	33	Dec. 16	27
Preston Wynne ..	Jun. 28, 29	85	Jul. 6	64	Dec. 4	32	Dec. 3	17	8a. SOUTH WALES								
Ross-on-Wye ..	Jun. 17, 28, 29, Jul. 6	84	Jul. 6	65	Dec. 4	29	Dec. 3	19	Aberporth ..	Jul. 6	81	Jun. 18	62	Jan. 19, D. 16	36	Feb. 20	27
Bristol ..	Jun. 28	85	Jul. 6	66	Dec. 15	35	Dec. 4, 16	22	Aberystwyth ..	Jun. 17	86	Jun. 18	64	Dec. 16	38	Dec. 16	25
L. Rissington ..	Jun. 28	85	Jul. 6	61	Jan. 14, 15, Feb. 21	33	Feb. 20	24	Swyddfynnon ..	Jun. 18	80	Jul. 4	61	Dec. 16	34	Dec. 16	19
									Haverfordwest ..	Jun. 16	82	Jul. 6	64	Dec. 16	39	Dec. 16	21
									Llandrindod W. ..	Jul. 5	84	Jul. 6	63	Dec. 16	33	Dec. 3, 16	19
									Llwynon ..	Jul. 5	83	Jul. 6	65	Jan. 14	35	Dec. 16	21
5. ENGLAND, S.E.									Cardiff ..	Jun. 17, 28	85	Jul. 6	67	Jan. 14	36	Dec. 16	25
Camden Square ..	Jun. 29	96	Jun. 30	69	Dec. 4	36	Dec. 17	25	Port Talbot ..	Jun. 17	85	Jul. 6	68	Jan. 14	39	Dec. 16	24
Hampstead ..	Jun. 29	92	Jun. 29, 30	65	Jan. 14, 15, Feb. 19	35	Dec. 17	24	Rhoose ..	Jun. 17, 18	85	Jul. 6	67	Dec. 16	35	Dec. 16	23
Westminster ..	Jun. 29	92	Jun. 30	67	Feb. 19, D. 3	37	Dec. 17	25	Newport ..	Jun. 17	85	Jul. 6	67	Jan. 1, 14	37	Dec. 16	24
London Apt. ..	Jun. 29	94	Jul. 4	66	Dec. 4	31	Dec. 17	21	Usk ..	Jun. 17	85	Jul. 4, 6	65	Dec. 4	33	Dec. 3	18
Wealdstone ..	Jun. 29	93	Jul. 4	65	Dec. 4	33	Dec. 17	19	8b. ENGLAND, S.W.								
Croydon ..	Jun. 29	92	Jun. 29, 30	65	Feb. 19, 35	35	Dec. 17	22	Bath ..	Jun. 17, 18	85	Jul. 4	66	Dec. 16	31	Dec. 16, 17	21
Kew Obsy. ..	Jul. 6	88	Jun. 30, Jul. 4, 5, 7	65	Dec. 4	35	Dec. 17	23	Bickenhall ..	Jun. 17, 18	83	Jul. 6	64	Dec. 4, 16	36	Dec. 17	18
Mickleham ..	Jul. 3, 6	85	Jul. 6	62	Dec. 16	32	Dec. 17	16	Long Ashton ..	Jun. 17	86	Jul. 6	65	Dec. 4, 16	36	Dec. 3, 16	23
Bromley ..	Jun. 29	93	Jun. 29, 30	62	Feb. 19, 35	35	Dec. 17	22	Weston-s-Mare ..	Jun. 17	85	Jul. 6	67	Dec. 16	35	Dec. 16	25
Dover ..	Jun. 30	88	Jun. 30	67	Jan. 14, 15, Dec. 16	37	Dec. 17	24	Poole ..	Jun. 15, 17	86	Jul. 6	65	Feb. 19	37	Dec. 17	20
Goudhurst ..	Jun. 30	90	Jul. 7	62	Dec. 16	36	Dec. 17	17	Shaftesbury ..	Jun. 28	88	Jul. 4	63	Jan. 14	34	Dec. 16, 17	24
Isle of Grain ..	Jun. 29	91	Jun. 30, Jul. 7	66	Jan. 14, 37	36	Dec. 4	26	Swanage ..	Jun. 17	79	Jul. 6	65	Dec. 16	37	Dec. 17	24
Margate ..	Jun. 29	89	Jun. 30	68	Feb. 19, Dec. 1, 15, 16	39	Feb. 16, Dec. 4, 17	32	Chivenor ..	Jun. 16, 18	85	Jul. 6	66	J. 15, 19, D. 16	38	Dec. 16, 17	25
Swanley ..	Jun. 30	92	Jul. 7	64	Feb. 19, 36	36	Dec. 17	19	Exeter ..	Jun. 17, 18	83	Jul. 6	64	Jan. 1	33	Dec. 17	20
W. Malling ..	Jun. 29, 30	91	Jul. 7	63	Dec. 17	33	Dec. 17	18	Hartland Pt. ..	Jul. 3	78	Aug. 2	63	Jan. 18, D. 16	38	Dec. 17	30
Wye ..	Jun. 30	91	Jul. 25	62	Jan. 14	37	Dec. 17	19	Paignton ..	Jun. 28	81	Jul. 4	64	Dec. 16	38	Dec. 17	24
Bodiam ..	Jun. 30	90	Jul. 7, 24, 25	62	Jan. 15, D. 16	37	Dec. 17	18	Plymouth Hoe ..	Jun. 16, Jul. 5	82	Jun. 16	65	Dec. 16	36	Dec. 17	25
Hankham ..	Jun. 30	90	Jun. 30, J1. 25	62	Jan. 15	36	Dec. 17	21	Princetown ..	Jun. 16, 18, 29	78	Jul. 4	62	Dec. 16	31	Feb. 19	24
Hastings ..	Jun. 30	87	Jun. 30	66	Jan. 15	36	Dec. 17	26	Starcross ..	Jun. 16, 18	82	Jul. 6	63	Dec. 16	34	Dec. 17	20
Seaford ..	Jun. 30	86	Jul. 6	64	Jan. 14, 15, Dec. 16	37	Dec. 17	21	Teignmouth ..	Jun. 15, 16	79	Jun. 16, Jul. 4, Aug. 2	65	Dec. 16	37	Dec. 17	25
Worthing ..	Jun. 15, 16	82	Jul. 3	65	Jan. 14, D. 16	37	Dec. 17, 18	25	Totnes ..	Jun. 18, 29	82	Jul. 6	63	Dec. 16	38	Dec. 17	19
Finchampstead ..	Jun. 29	91	Jul. 5	64	Dec. 4	32	Dec. 17	19	Camborne ..	Jun. 16	79	Aug. 5	64	Dec. 15	38	Dec. 16	27
Reading ..	Jun. 29	90	Jul. 5	64	Dec. 4	32	Dec. 17	19	Ellbridge ..	Jul. 5	84	Jul. 6	64	Dec. 16	38	Dec. 17	22
Wokingham ..	Jun. 29	91	Jul. 4	65	Dec. 4	35	Dec. 16, 17	22	Falmouth ..	Jul. 5	79	Jun. 19	62	Jan. 15	38	Dec. 16	29
Bournemouth ..	Jun. 15	84	Jul. 6	66	Feb. 19, 35	35	Dec. 17	22	Newquay ..	Jun. 16	82	Aug. 4	64	Jan. 14, D. 15	39	Feb. 16, 17	27
Hayling Island ..	Jun. 15, 16	83	Jul. 6	65	Dec. 16	37	Dec. 17	23	St. Mawgan ..	Jun. 16	81	Aug. 2	63	Jan. 15	36	Dec. 16	26
Portsmouth ..	Jun. 15	83	Jul. 5, 6	66	Jan. 14, 15, Feb. 19	39	Dec. 17	26	N. IRELAND								
Southampton ..	Jun. 17	88	Jul. 5, 6	65	Dec. 16	38	Dec. 17	22	Ballykelly ..	Jun. 16	81	Jun. 28	63	Dec. 14	37	Dec. 15	20
S. Farnborough ..	Jun. 29	90	Jul. 4, 5	65	Jan. 15, F. 19	36	Dec. 17	17	Gar								

TABLE VI.—MONTHLY FREQUENCIES OF SUNSHINE FOR 20 STATIONS—NUMBER OF DAYS IN EACH MONTH OF 1957 ON WHICH THE DURATION OF SUNSHINE WAS (1) nil, (2) 3 hours or less, (3) more than 3 hours but not more than 6 hours, (4) between 6 and 9 hours, (5) more than 9 hours

Table with 20 rows (stations) and 40 columns (months and duration categories). Stations include Lerwick, Stornoway, Craibstone, Acklington, Gorleston, Cambridge N.I.A.B., Birmingham, Kew Observatory, Hastings, Southampton, Rothesay, Renfrew, Eskdalemuir, Douglas, Bidston Observatory, Stonyhurst, Holyhead (Valley), Falmouth, Aldergrove, and Armagh.

TABLE VII [First Published 1914].—NUMBER OF DAYS IN 1957 WITH RAINFALL BETWEEN GIVEN LIMITS

Table with 20 rows (stations) and 14 columns (rainfall limits). Stations include Lerwick, Stornoway, Craibstone, Acklington, Gorleston, Cambridge N.I.A.B., Birmingham, Kew Observatory, Hastings, Southampton, Rothesay, Renfrew, Eskdalemuir, Douglas, Bidston Observatory, Stonyhurst, Holyhead (Valley), Falmouth, Aldergrove, and Armagh.

TABLE VIII [First Published 1913].—NUMBER OF DAYS IN 1957 WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

Table with 20 rows (stations) and 20 columns (temperature ranges). Stations include Lerwick, Stornoway, Craibstone, Acklington, Gorleston, Cambridge, Birmingham, Kew Obsy., Hastings, Southampton, Rothesay, Renfrew, Eskdalemuir, Douglas, Bidston Obsy., Stonyhurst, Holyhead (Valley), Falmouth, Aldergrove, and Armagh.

TABLE X (continued).—NUMBER OF HOURS IN EACH MONTH OF 1957 WITH GUSTS EXCEEDING (a) 33 kt. and (b) 47 kt.

DISTRICT AND STATION	NUMBER OF HOURS EXCEEDING 33 KT.												NUMBER OF HOURS EXCEEDING 47 KT.												
	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.
5. Kingsway ..	1	1	1	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
Hampton ..	39	23	14	20	31	5	4	26	6	5	16	30	219	0	0	1	0	0	0	1	0	0	0	4	1
Croydon ..	51	21	16	24	22	4	3	38	10	15	30	56	290	0	0	0	0	0	0	0	0	0	5	0	6
Kew Observatory ..	71	34	13	35	33	2	20	36	4	9	24	44	325	0	0	0	0	0	0	1	0	0	5	0	6
Dover ..	75	*	10	88	69	21	32	104	45	57	68	87	—	0	*	1	2	3	0	3	10	1	2	21	3
Dungeness ..	*	0	0	*	*	*	19	96	46	12	94	134	*	0	0	0	*	3	0	6	1	0	20	11	—
Isle of Grain ..	43	21	23	30	41	0	7	39	12	8	18	35	277	0	0	0	0	0	0	1	1	0	5	3	10
Thorney Island ..	30	7	16	22	30	5	11	47	24	9	39	41	281	0	0	0	0	0	0	0	0	0	5	0	5
South Farnborough ..	21	14	8	2	7	0	1	14	3	1	23	39	133	0	0	0	0	0	0	0	0	0	3	3	6
Abingdon ..	61	62	40	20	31	1	16	40	37	9	19	59	395	1	0	0	0	0	0	1	0	0	2	0	4
Larkhill ..	72	52	7	69	48	9	6	37	42	8	17	90	457	2	0	0	1	0	0	4	2	0	2	7	18
Porton ..	29	27	12	26	21	4	3	25	21	5	16	63	252	0	0	0	0	0	0	1	0	0	1	2	4
7a. Sellafeld ..	110	44	*	0	1	0	11	††	†	†	†	47	††	—	6	12	*	0	0	0	††	†	†	5	—
Moor House ..	265	81	123	44	25	*	*	145	101	68	*	*	—	67	20	13	1	0	*	*	†	†	3	2	—
Fleetwood ..	147	50	33	18	20	33	57	99	147	78	34	121	837	8	3	3	0	1	0	0	19	2	4	8	7
Southport ..	81	13	34	*	15	13	42	83	87	42	30	55	*	2	0	0	0	2	0	0	0	1	3	6	55
Speke ..	111	33	21	9	40	24	24	84	108	46	26	93	619	8	4	4	0	1	0	0	15	9	3	1	7
Bidston Observatory ..	117	44	45	9	24	19	62	108	137	71	41	116	793	9	5	4	0	2	0	0	28	15	11	5	14
Manchester Airport ..	63	39	14	4	17	1	10	40	15	18	78	339	3	6	3	0	0	0	0	3	0	1	2	8	26
7b. Holyhead (Valley) ..	220	87	30	5	22	1	8	78	112	100	46	130	839	20	15	3	0	0	0	13	8	6	4	11	80
8a. Aberporth ..	291	136	96	8	35	1	57	85	108	90	68	178	1153	21	18	6	0	0	0	22	9	3	9	37	125
Kete ..	147	68	25	3	18	0	31	**	**	**	77	*	**	10	9	6	0	0	0	0	**	**	4	*	—
Milford Haven ..	73	71	25	4	15	1	25	41	38	43	39	*	—	5	9	2	0	0	0	6	0	2	2	*	—
Port Talbot ..	51	59	63	13	29	5	53	59	**	52	39	101	—	2	0	1	1	0	0	7	**	4	9	18	—
8b. Plymouth ..	80	63	12	11	16	0	7	16	15	4	17	77	318	5	5	0	2	0	0	0	0	0	3	14	29
The Lizard ..	273	132	57	20	58	0	39	48	82	38	83	135	965	20	35	2	0	0	0	1	2	2	4	12	22
— Aldergrove ..	123	43	23	5	0	1	22	77	61	26	28	58	467	10	13	1	0	0	0	17	0	1	3	46	—
— Eglinton ..	164	97	100	11	†	—	—	—	—	—	—	—	†	37	24	5	0	†	—	—	—	—	—	—	—
— Scilly, St. Mary's ..	213	114	26	22	12	0	82	55	114	26	85	147	896	16	14	0	0	0	0	4	4	5	3	7	24

** Record incomplete. * Defective record. † Anemograph under repair. †† Records ceased. ††† Anemograph dismantled for re-erection.

OCCASIONS OF "STRONG GALES" IN 1957

TABLE XI [First Published 1900].—OCCASIONS ON WHICH THE MAXIMUM HOURLY MEAN WIND WAS 41 KNOTS OR MORE

DISTRICT AND STATION	Date	Maximum Hourly Mean Wind of 41 knots or more			Maximum Speed in a gust during the day		Hours for which mean speed exceeded 33 knots on date in second column	DISTRICT AND STATION	Date	Maximum Hourly Mean Wind of 41 knots or more			Maximum Speed in a gust during the day		Hours for which mean speed exceeded 33 knots on date in second column								
		Hour ended at	Direction	Speed	Time	Speed				Hour ended at	Direction	Speed	Time	Speed									
0. Lerwick ..	Jan. 5	02	260	53	00	50	78	Bell Rock ..	Oct. 27	15	200	41	14	10	56	Edinburgh ..	Oct. 27	15	200	41	14	10	56
		05	230	42	22	35	62			Nov. 1	06	210	52	05	05			72	Dec. 10	22	140	41	21
	19	22	210	42	20	30	59		Dec. 19		23	220	(41)	—	—		—	Jan. 4		18	210	46	18
	20	08	220	43	18	30	67			Jan. 19	22	200	41	22	55		63		Jan. 19	22	200	41	22
	31	24	220	50	23	55	79		Feb. 2		02	210	41	01	35		61	Feb. 4		07	160	41	05
	Feb. 1	01	220	49	04	00	81			Feb. 31	17	230	57	17	20		98		Feb. 4	24	210	59	23
	2	04	240	42	04	00	67		Feb. 5		01	220	60	01	10		93	Feb. 5		01	220	60	01
	5	11	220	56	10	00	83			Aug. 14	17	360	48	16	25		65		Oct. 31	24	240	41	23
	Apr. 18	16	250	55	15	15	78		Nov. 1		02	260	48	02	05		75	Nov. 1		02	260	48	02
	Oct. 2	22	340	44	21	05	68			Dec. 10	09	130	41	06	55		57		Dec. 10	09	130	41	06
Stornoway (Coastguard) ..	27	8	210	41	12	15	59	Feb. 4	23		190	46	22	05	69	Feb. 4	23	190		46	22	05	69
		14	200	41	12	35	58		Feb. 5	01	210	42	00	10	67		Feb. 5	01	210	42	00	10	67
	Jan. 4	21	250	49	20	20	73	Nov. 1		04	250	41	02	45	60	Nov. 1		04	250	41	02	45	60
	8	17	190	41	16	20	59		Feb. 4	23	190	46	23	20	73		Feb. 4	23	190	46	23	20	73
	19	20	200	47	19	10	68	Feb. 5		01	200	41	00	25	70	Feb. 5		01	200	41	00	25	70
	20	17	250	44	15	40	65		Feb. 4	23	190	46	23	20	73		Feb. 4	23	190	46	23	20	73
	28	11	180	46	12	30	69	Feb. 4		22	190	43	21	20	66	Feb. 4		22	190	43	21	20	66
	30	13	160	42	07	30	64		Feb. 4	21	210	46	19	30	73		Feb. 4	21	210	46	19	30	73
	Grimsetter ..	31	21	240	41	21	45	74		Jan. 13	17	040	41	15	30	55		Jan. 13	17	040	41	15	30
			5	24	150	47	23	10	67		Nov. 4	08	(230)	42	06	40	64		Nov. 4	08	(230)	42	06
4		08	230	57	06	53	87	Nov. 4	04	140		43	06	25	69	Nov. 4	04	140		43	06	25	69
Apr. 18		11	260	53	10	40	85		Nov. 4	04	190	43	03	30	75		Nov. 4	04	190	43	03	30	75
Aug. 23		24	260	44	23	30	62	Nov. 4		06	230	42	05	35	75	Nov. 4		06	230	42	05	35	75
		24	07	270	45	07	20		65	Nov. 4	05	190	55	04	30		70	Nov. 4	05	190	55	04	30
Sep. 7		10	190	41	03	04	60	Nov. 4	03		210	47	03	50	76	Nov. 4	03		210	47	03	50	76
		Oct. 7	18	200	41	18	00		58	Jan. 20	18	250	42	17	10		58	Jan. 20	18	250	42	17	10
Benbecula ..		27	11	230	48	10	55	70	Mar. 13		24	270	41	23	15	55	Mar. 13		24	270	41	23	15
			31	22	190	41	22	10		59	Aug. 25	17	310	49	15	45		66	Aug. 25	17	310	49	15
	8	10	070	41	09	15	60	Aug. 25	09	240		41	17	20	57	Aug. 25	09	240		41	17	20	57
	10	24	060	44	23	00	61		Sep. 7	16	240	41	12	20	53		Sep. 7	16	240	41	12	20	53
	11	01	060	43	02	55	63	Nov. 5		10	180	43	09	30	59	Nov. 5		10	180	43	09	30	59
	18	16	280	44	15	55	67		Aug. 25	17	300	43	15	55	67		Aug. 25	17	300	43	15	55	67
	19	09	160	51	08	30	71	Feb. 4		20	200	46	19	21	68	Feb. 4		20	200	46	19	21	68
		29	03	290	41	04	25		67	Dec. 8	15	270	44	16	15		65	Dec. 8	15	270	44	16	15
	24	13	240	41	12	40	63	Dec. 8	15		270	44	16	15	65	Dec. 8	15		270	44	16	15	65
		Oct. 2	20	260	46	19	30		72	Dec. 10	23	160	46	22	26		71	Dec. 1					

TABLE XII [First Published 1908].—DATES ON WHICH GUSTS OF 48 KNOTS OR MORE OCCURRED IN 1957

For an anemograph 33 ft. above ground in the open the limit corresponds with that of Force 10 (Whole Gale) on the Beaufort Scale. 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 Table II of the appropriate monthly part of the *Monthly Weather Report*

DISTRICT AND STATION	DATES	DISTRICT AND STATION	DATES
0. Lerwick	Jan. 4-9, 19-21, 26-28, 30, 31. Feb. 1, 2, 4, 5, 9. Mar. 23, 24, Apr. 10, 18. May 5, 19. Aug. 24. Sep. 13, 14, 27. Oct. 2, 12, 23, 24, 27, 29. Nov. 22, 26. Dec. 15, 19-21, 25-27.	4. Birmingham	Jan. 27. Feb. 13. Mar. 20. Aug. 25.
Grimsetter	Aug. 14, 20, 24. Sep. 7, 13, 14, 26, 27. Oct. 2, 3, 20, 23, 24. Nov. 1, 5, 22, 24, 26, 27. Dec. 9, 11, 19-21, 25-29, 31.	Keele	Jan. 27. Feb. 4. Mar. 20. Aug. 24, 25. Nov. 5. Dec. 11.
Stornoway (C'guard) ..	Jan. 4, 6-9, 11, 19-21, 25-31. Feb. 1, 4, 5, 8, 9, 23, 24, 27, 28. Mar. 1, 20, 21. Apr. 18, 21. Aug. 14, 23-25. Sep. 6, 7, 14. Oct. 2, 6, 7, 12, 17, 20, 26, 27, 30, 31. [Nov. 1, 17, 18, 21, 22, 26. Dec. 1, 3, 8, 10-12, 15, 18-21, 24-29.]	Avonmouth	Jan. 31. Feb. 4. Mar. 20. Apr. 26. Aug. 24, 25. Sep. 11. Oct. 17. Dec. 8, 10, 11.
Benbecula	Jan. 4-9, 11, 12, 19-21, 25-31. Feb. 1, 3-5, 8, 9, 19, 23. Mar. 1, 17, 20, 21. Apr. 18. Aug. 14, 23-25. Sep. 6, 7, 13, 14. Oct. 2, 12, 17, 20, 21, 27, 31. Nov. 1, 17-19, 21, 22. Dec. 8, 10, 12, 18-21, 24, 25, 27-30.	5. Kingsway	No occasions.
1. Dyce	Jan. 4, 5, 19, 20, 31. Feb. 4, 5. Nov. 1.	Hampton	Mar. 20. Aug. 25. Nov. 4. Dec. 8.
Bell Rock	Oct. 23, 27, 31. Nov. 1, 5. Dec. 10, 11, 19-21, 25, 29.	Croydon	Aug. 25. Nov. 4. Dec. 8.
Leuchars	Jan. 5, 8, 9, 20, 27, 31. Feb. 4, 5. Aug. 24. Sep. 7. Nov. 1.	Kew Observatory	Aug. 25. Nov. 4.
Edinburgh	Jan. 4, 5, 8, 19, 20, 27, 28, 31. Feb. 4, 5. Mar. 19. Sep. 7. Oct. 20, 28, 31. Nov. 1. Dec. 8, 19, 20.	Dover	Mar. 20. Apr. 25. May 24, 25. July 12, 27. Aug. 10, 11, 24, 25. Sep. 11. Oct. 17, 18. Nov. 3-4. Dec. 8.
6a. Tiree	Jan. 3, 4, 6, 8, 9, 11, 12, 19, 20, 25-28, 30, 31. Feb. 3-5, 7, 8, 23. Mar. 17. Apr. 18. July 26. Aug. 14, 15, 23-25. Sep. 6, 7, 12-14. Oct. 21, 27, 31. Nov. 1, 17-19, 21, 22. Dec. 8-11, 17-22, 29, 30.	Dungeness	Aug. 11, 24, 25. Sep. 11. Nov. 3, 4, 5. Dec. 7, 8.
Millport	Jan. 4, 5, 8, 19, 20, 26, 27, 31. Feb. 1, 4, 5, 8, 23. Aug. 24, 25. Sep. 7, 12, 23, 24. Oct. 23, 31. Nov. 1, 11. Dec. 7, 8, 11, 12.	Isle of Grain	Aug. 25. Sep. 11. Nov. 4. Dec. 8.
Paisley	Jan. 4, 5, 8, 9, 20, 26-28, 31. Feb. 4, 5. Mar. 14. Oct. 31. Nov. 1. Dec. 8, 19, 20.	Thorney Island	Nov. 4, 5.
Renfrew	Jan. 3-5, 8, 20, 26, 28, 31. Feb. 1, 4, 5. Oct. 31. Nov. 1. Dec. 19, 20.	S. Farnborough	Nov. 4. Dec. 8.
Prestwick	Jan. 3, 5, 20, 26, 27. Feb. 4, 5. Nov. 1. Dec. 8, 19.	Abingdon	Jan. 31. Aug. 25. Nov. 4.
Eskdalemuir	Jan. 4, 5, 8, 9, 19, 20, 28, 29, 31. Feb. 4, 5. Mar. 20. Apr. 18. Aug. 15. Sep. 7. Oct. 27. Dec. 8, 19, 20, 29.	Larkhill	Jan. 27, 31. Apr. 26. Aug. 25. Sep. 11, 12. Nov. 4. Dec. 8, 12.
6b. Point of Ayre	Jan. 4, 5, 12, 20, 27, 28, 31. Feb. 4, 5, 23. Mar. 20. Aug. 15, 24, 25. Sep. 7. Dec. 10, 11, 20.	Porton	Aug. 25. Nov. 4. Dec. 8.
2. Durham	Jan. 4, 5, 7-9, 12, 20, 23, 26-28. Feb. 1, 4, 5. Mar. 17, 20. Aug. 24. Sep. 27. Nov. 1. Dec. 8, 19, 20, 29.	7a. Sellafield	Jan. 23, 27, 31. Feb. 4, 5, 23. Aug. 24, 25. Dec. 11.
South Shields	Sep. 7, 27. Dec. 8, 20.	Moor House	Jan. 4, 5, 7-9, 11, 12, 19, 20, 22, 26, 28, 30, 31. Feb. 4, 5, 8, 23. Mar. 13, 14, 20. Apr. 17. Aug. 24-25. Sep. 7, 26, 27. Oct. 2, 20. Nov. 27. Dec. 7, 8, 12, 19-21, 25, 29.
Linton-on-Ouse	Jan. 27. Records ceased temporarily.	Fleetwood	Jan. 4, 5, 23, 27. Feb. 4, 5. Mar. 20. May 18. Aug. 24, 25. Sep. 11. Oct. 18, 21. Nov. 1.
Spurn Head	Jan. 13, 15, 23, 27. Feb. 1. Mar. 20. Aug. 24. Nov. 4, 5. Dec. 8, 11.	Southport	Jan. 27. May 18. Oct. 18. Nov. 1. Dec. 8.
Cranwell	Jan. 27. Mar. 20.	Speke	Jan. 4, 5, 8, 23, 27. Feb. 1, 4, 5. Mar. 20. May 18. Aug. 24, 25. Sep. 7, 11, 12. Oct. 18. Nov. 5. Dec. 8, 11, 20.
Gorleston	Jan. 13, 14. May 5. Nov. 4.	Bidston Observatory ..	Jan. 5, 8, 12, 27. Feb. 1, 4. Mar. 20. May 18. Aug. 15, 23, 24, 25. Sep. 7, 11-14. Oct. 17, 18, 21. Nov. 1, 5. Dec. 8, 11, 20.
Felixstowe	Jan. 27. Aug. 25. Sep. 25. Nov. 4, 5. Dec. 8.	Manchester Airport ..	Jan. 27, 31. Feb. 4. Mar. 20. Aug. 25. Oct. 18. Nov. 5. Dec. 8, 10, 11.
Mildenhall	Jan. 27. Mar. 20. Nov. 4. Dec. 8.	7b. Holyhead (Valley) ..	Jan. 5, 20, 23, 26-28, 31. Feb. 1, 4, 5, 7. Mar. 20. Aug. 15, 24, 25. Sep. 7, 12. Oct. 18, 21, 31. Nov. 1, 2. Dec. 8, 10, 11, 20.
Cardington	Jan. 5, 13, 27, 31. Feb. 1. Mar. 20. Aug. 24, 25. Sep. 11. Oct. 17. Nov. 4. Dec. 8, 20.	8a. Aberporth	Jan. 4, 23, 26-29, 31. Feb. 4, 7, 23. Mar. 20. Aug. 15, 24, 25. Sep. 7, 11, 12, 14. Oct. 17. Nov. 1, 5, 18. Dec. 7-11, 20.
Dunstable	Nov. 4.	Kete	Jan. 23, 26, 27, 31. Feb. 4. Mar. 20. Nov. 5.
Stevenage	Nov. 4. Dec. 8.	Millford Haven	Jan. 27, 31. Feb. 4, 7, 23. Mar. 20. Aug. 15, 24, 25. Oct. 17. Nov. 5. Dec. 8, 11.
Shoeburyness	Mar. 20. Apr. 25, 26. May 25. Aug. 11, 25. Sep. 11. Nov. 3-5. Dec. 8, 10, 11.	Port Talbot	Jan. 27, 31. Mar. 20. Apr. 26. Aug. 25. Sep. 12. Oct. 17, 18. Nov. 1, 4, 5. Dec. 8-10, 11, 15.
		8b. Plymouth	Jan. 23, 31. Feb. 4, 7. Apr. 26. Jul. 12. Nov. 4. Dec. 8, 10.
		The Lizard	Jan. 15, 23, 31. Feb. 1, 4, 7, 11-13. Mar. 20. Aug. 10. Sep. 11, 13. Oct. 17. Nov. 1, 2, 4, 5. Dec. 8-10, 20.
		— Aldergrove	Jan. 3, 5, 27, 31. Feb. 3-5. Mar. 20. Aug. 14, 15, 24, 25. Oct. 31. Nov. 19. Dec. 8, 19.
		— Eglinton	Jan. 4, 5, 8, 20, 26, 28, 30, 31. Feb. 1, 4, 5, 23. Mar. 17, 22. Records ceased.
		— Scilly Is. (St. Mary's) ..	Jan. 16, 23, 27, 31. Feb. 4, 7, 11, 13. July 11, 12. Aug. 10. Sep. 11. Oct. 17, 31. Nov. 1, 4, 5. Dec. 8, 13.

TABLE XIII.—SOLAR RADIATION AND INTENSITY OF DAYLIGHT FOR THE YEAR 1957

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm. ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm. ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-hours					
	Absolute Max.	Date	Absolute Min.	Date	Mean	No. of days	Absolute Max.	Date	Absolute Min.	Date	Mean	No. of days	Absolute Max.	Date	Absolute Min.	Date	Mean	No. of days
Eskdalemuir ..	824	17 June	4	20 Jan., 17 Dec.	235.4	365	383	9 July	4	20 Jan., 17 Dec.	134.3	365	—	—	—	—	—	—
Kew	807	16 June	7	13 Dec.	256.5	364	328	7 June	7	13 Dec.	136.3	362	—	—	—	—	—	—
Kingsway	711	26 May	10	13 Dec.	207.6	345	308	2 July	9	13 Dec.	127.6	334	672	26 May	8	13 Dec.	218.8	346
Lerwick	785	25 May	5	1 Jan., 27 Dec.	205.8	354	397	7, 14 June	3	1 Jan., 27 Dec.	139.5	354	—	—	—	—	—	—
Cambridge	836	20 June	10	13 Dec.	259.7	355	400	25 June	9	7 Dec.	154.8	321	—	—	—	—	—	—

Explanatory notes on the tables are given in the Introduction.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

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Price 4s. 0d. net.

Printed under the authority of Her Majesty's Stationery Office by William Clowes and Sons, Limited, London and Beccles

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