

Station Tables in Met Office Monthly Weather Reports - Volume 6

Met Office Monthly Weather Report 1949

MWR_1949.pdf page 3 : Map of stations
MWR_1949.pdf pages 5-7 : List of Stations preamble
MWR_1949.pdf pages 8-14 : List of Stations - alphabetical full list

Met Office Monthly Weather Report 1950

MWR_1950.pdf page 3 : Map of stations
MWR_1950.pdf pages 5-7 : List of Stations preamble
MWR_1950.pdf page 10 : List of Stations - changes compared to 1949

Met Office Monthly Weather Report 1951

MWR_1951.pdf page 3 : Map of stations
MWR_1951.pdf pages 4-6 : List of Stations preamble
MWR_1951.pdf page 9 : List of Stations - changes compared to 1950

Met Office Monthly Weather Report 1952

MWR_1952.pdf page 3 : Map of stations
MWR_1952.pdf pages 4-6 : List of Stations preamble
MWR_1952.pdf page 9 : List of Stations - changes compared to 1951

Met Office Monthly Weather Report 1953

MWR_1953.pdf pages 3-5 : List of Stations preamble
MWR_1953.pdf page 8 : List of Stations - changes compared to 1952

Met Office Monthly Weather Report 1954

MWR_1954.pdf pages 3-4 : List of Stations preamble
MWR_1954.pdf pages 9-12 : List of Stations - alphabetical full list

Met Office Monthly Weather Report 1955

MWR_1955.pdf pages 3-4 : List of Stations preamble
MWR_1955.pdf page 10 : List of Stations - changes compared to 1954

Met Office Monthly Weather Report 1956

MWR_1956.pdf pages 5-6 : List of Stations preamble
MWR_1956.pdf page 8 : List of Stations - changes compared to 1955

Met Office Monthly Weather Report 1957

MWR_1957.pdf pages 5-6 : List of Stations preamble
MWR_1957.pdf page 8 : List of Stations - changes compared to 1956

Met Office Monthly Weather Report 1958

MWR_1958.pdf pages 5-6 : List of Stations preamble
MWR_1958.pdf pages 9-12 : List of Stations - alphabetical full list

Met Office Monthly Weather Report 1959

MWR_1959.pdf pages 5-6 : List of Stations preamble
MWR_1959.pdf page 10 : List of Stations - changes compared to 1958

Met Office Monthly Weather Report 1960

MWR_1960.pdf pages 7-8 : List of Stations preamble
MWR_1960.pdf page 11 : List of Stations - changes compared to 1959

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M.O. 520

THE
MONTHLY WEATHER REPORT
FOR THE YEAR

1949



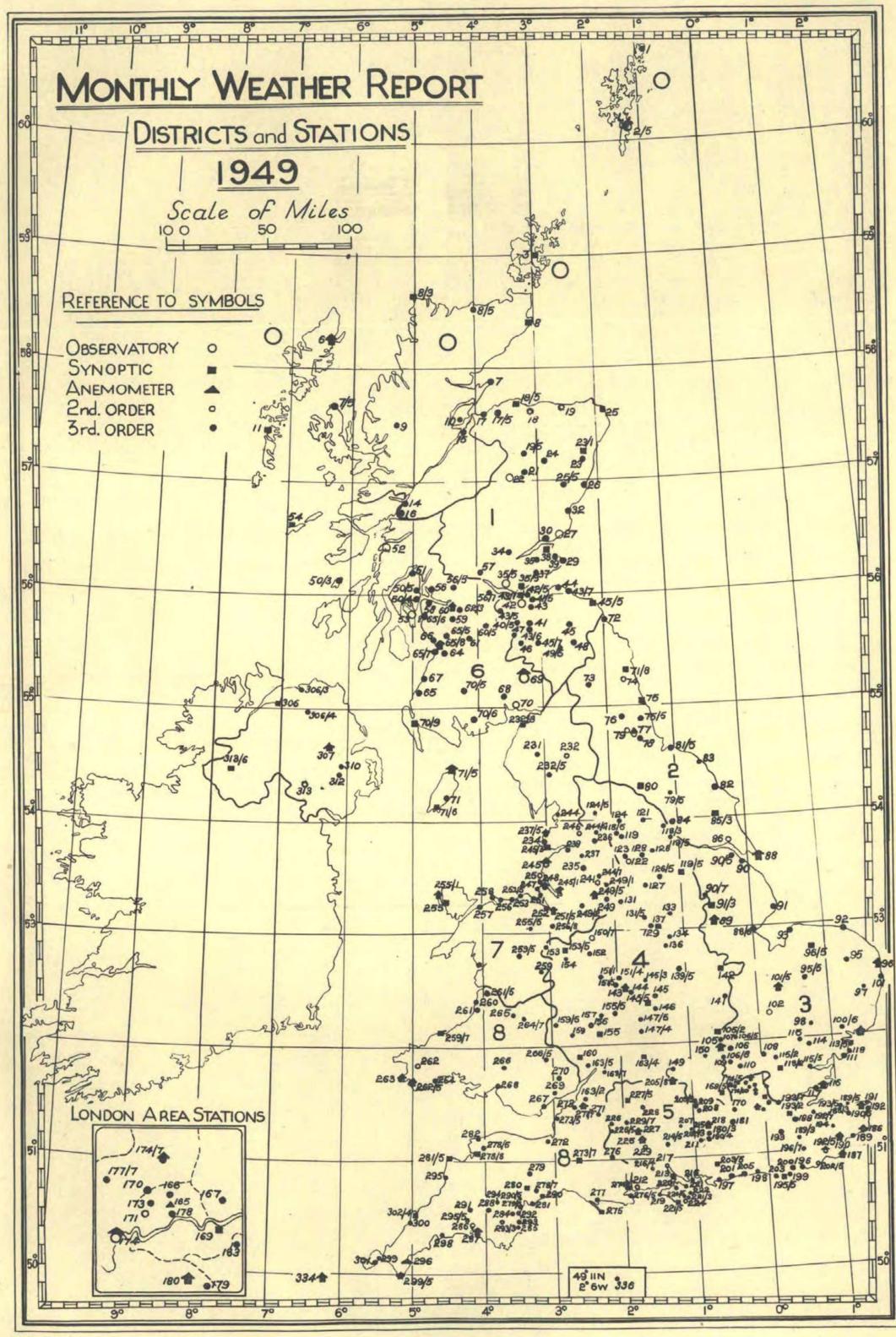
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INTRODUCTION

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a resumé of observations from stations in the British Isles, and takes the place of the summaries printed up to the end of 1907 in Parts II and III of the annual volumes of "Observations at Stations of the Second Order" as well as the former "Monthly Summary" to the Weekly Weather Report. Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*, M.O. 191.

On the establishment of a meteorological service in the Irish Republic in April, 1937, the climatological stations in that country came under the control of the Director of that Service, but climatological records for the Irish Republic were received and published up to the end of 1940. The Isolines on the maps of pressure, temperature and sunshine in this volume have been extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin.

In January, 1945, changes were made in the times of observation and in the terminal hours at certain stations, and in January, 1949, the new codes and specifications used at Synoptic stations were brought into use. The Table of *Weekly Values of Mean Velocities of Wind Components* at selected stations was not published in 1949.

INFORMATION FOR PREVIOUS YEARS

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for 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 the introduction. In January, 1948, Monmouth was transferred from District 8b to District 8a.

GENERAL ARRANGEMENTS OF THE REPORT

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

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

b.—Table I.—Summaries for the Districts of the temperature of the air, of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the "district value" stations. In the absence of data for the Irish Republic, Guernsey and Jersey it became necessary in 1940 to replace Districts 9 and 10 by "Northern Ireland" and to replace District 11 by data for Scilly only. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations is printed below. The stations used in computing the district values of earth temperature are shown on page iv. The method of computation is explained in the "Notes on Table I to IV" printed with the Annual Summary.

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

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

d.—A plate of four maps showing :—

- i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. :
also the average distribution of pressure at 9 h. for the month for the period 1901-1930.
- ii. The movements of depressions.
- 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 means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations and of cloud and fog by day at Greenwich.

h.—Table III (b).—Direct solar radiation and Intensity of Daylight at Kew Observatory.

i.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table. At certain stations the hours of observation were changed from 0, 6, 12 and 18 h. to 3, 9, 15 and 21 h. in January, 1945.

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 ground frost, i.e., minimum temperature on the grass, 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II is included, the last complete list having been given in 1946. The stations marked with † send in monthly returns but do not appear in the report. For information regarding the anemograph stations, reference should be made to the Annual Summary. The positions of the stations are shown in the Frontispiece.

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

iv.

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

- I. Normal Meteorological Observatory ; Station of the First Order.—Continuous records or hourly readings of pressure, temperature, wind, sunshine and rain, with eye observations of the amount, form and motion of the clouds, and notes on the weather. Observatories and the principal synoptic stations maintained on aerodromes for supplying information to the Royal Air Force or to civil aviation services are included.
- II. Normal Climatological Station.—Daily observations at least twice a day, generally at 9 h. (9 a.m.) and 21 h. (9 p.m.) G.M.T. of pressure, temperature (wet and dry-bulb), wind, amount of cloud, and weather, with the daily maximum and minimum of temperature, the daily rainfall, and remarks on the weather. Observations of the range of visibility and records of sunshine are commonly obtained at these stations also. In this category are included all the stations of the second order of the International Classification and a few stations of the third order.
- III. Auxiliary Climatological Station, at which observations similar to those of a normal climatological station are made once a day only, generally at 9 h. (9 a.m.) G.M.T. This category includes most of the stations of the third order of the International Classification.
- S. Synoptic Reporting Station.—Daily observations are reported at 3 h., 9 h., 15 h. and 21 h., similar in general character to those taken at Normal Climatological Stations. At most synoptic stations, observations are also made at 0 h., 6 h., 12 h. and 18 h., G.M.T.
- II. C. W. ; III C.W. Normal Climatological Station or Auxiliary Climatological Station which is also a Crop Weather Station.—Crop Weather stations are stations which participate in the scheme for the investigation of the relationship between weather and crops inaugurated by the Ministry of Agriculture and the Board of Agriculture for Scotland in co-operation with the Meteorological Office.
- II H. ; III H. Normal Climatological Station or Auxiliary Climatological Station which is also a Health Resort Station.—These Stations normally make special observations at 18 h. Clock Time (and in some cases at 9 h. Clock Time in addition) which are reported to this Office by telegram for communication to the newspaper press.
- A. Anemometer Station for which summaries are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

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

- | | |
|---|--|
| D. Daily Weather Report. Full Return. | m. Monthly Weather Report. Table III, not Table IV. |
| W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature. (Last volume published is that for 1938-39). | μ . Monthly Weather Report. Wind Velocity. |
| w. Weekly Weather Report. Sunshine only. | m _o . Monthly Weather Report. Sunshine only. |
| W'. Registrar-General's Weekly Summary. | O. The Observatories' Year Book.—This publication contains hourly values of meteorological and magnetic elements, diurnal inequalities for magnetism and for atmospheric electricity, absolute observations of magnetism and atmospheric electricity, seismological tables, upper air data, etc. (Last volume published is that for 1937). |
| M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather) ; and Table IV (Pressure, humidity, &c.). | |

DISTRICT VALUE STATIONS, 1949

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

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

| DIST. | STATION. | ELEMENT. | DIST. | STATION. | ELEMENT. | DIST. | STATION. | ELEMENT. |
|-------|-----------------|------------|-------|--------------------|------------|---------------------|-------------------|------------|
| 0 | Fort William .. | TR - - S | 4 | Birmingham .. | TR E1 E4 S | 8 | Bath .. | TR E1 E4 S |
| | Inverness .. | TR - - S | | Bradford .. | - E1 E4 - | | Cardiff .. | - E1 E4 - |
| | Wick .. | TR - - - | | Buxton .. | - E1 E4 - | | Cullompton .. | TR E1 - S |
| | Lerwick .. | TR - - S | | Harrogate .. | TR E1 E4 S | | Falmouth .. | TR E1 E4 S |
| | Stornoway .. | TR - - S | | Huddersfield .. | - E1 E4 - | | Ilfracombe .. | - E1 E4 - |
| 1 | Craibstone .. | TR - - S | 5 | Nottingham .. | TR E1 E4 S | - | Plymouth .. | - E1 - - |
| | Dundee .. | TR - - S | | Oxford .. | TR - - S | | Rhayader .. | TR - - S |
| | Edinburgh .. | TR - - S | | Ross-on-Wye .. | TR - - S | | St. Ann's Head .. | TR - - S |
| | Marchmont .. | TR - - S | | Sheffield .. | - E1 E4 - | | Swansea .. | - E1 E4 - |
| | Nairn .. | TR - - S | | Bournemouth .. | - E1 E4 - | | | |
| 6 | Dumfries .. | TR E1 E4 S | - | Hastings .. | TR E1 E4 S | NORTHERN IRELAND | | |
| | Eskdalemuir .. | TR - - S | | Camden Square .. | - E1 E4 - | | Aldergrove .. | TR - - S |
| | Tiree .. | TR - - S | | Kew Obs. .. | TR E1 E4 S | | Armagh .. | TR E1 E4 S |
| | Renfrew .. | TR - - S | | Margate .. | TR E1 E4 S | | Moneydig .. | TR - - - |
| | Rothesay .. | TR E1 E4 S | | Marlborough .. | TR - - S | | Hillsborough .. | - - - S |
| 2 | Cockle Park .. | TR E1 E4 S | 7 | Southampton .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Tunbridge Wells .. | - E1 - - | | | |
| | Durham .. | TR - - S | | Wisley .. | - E1 E4 - | | | |
| | Hull .. | - E1 E4 - | | Bidston .. | TR - - S | | | |
| | Scarborough .. | TR - - S | | Bolton .. | - E1 E4 - | | | |
| 3 | York .. | TR E1 E4 S | | Burnley .. | - E1 E4 - | | | |
| | Cambridge .. | TR E1 E4 S | | +Darwen .. | - E1 E4 - | | | |
| | Shoeburyness .. | - E1 E4 - | | Holyhead .. | TR - - S | | | |
| | Lowestoft .. | - E1 E4 - | | Keswick .. | TR - - S | | | |
| | Sprowston .. | TR - - S | | Southport .. | TR E1 E4 S | | | |
| | Rothamsted .. | TR - - S | | Stonyhurst .. | TR - - S | | | |
| | Gorleston .. | TR E1 E4 S | | | | | | |

‡ 1 ft. during May—Aug. only

V.

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

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

ADDITIONAL RECORDS AVAILABLE FOR 1949

Details of some additional records received for 1949 which are not summarised in the Monthly Weather Report —

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

| | Hours | | Hours | | Hours | | Hours |
|---------------|------------------|--------------|--------------------|---------------|----------------------------|---------------------|--------------------|
| Aberporth | 0, 3, 6, 12, 18 | Exeter | 0, 6, 12, 18 | Northolt | 0, 3, 6, 9, 12, 15, 18, 21 | South Farnborough | 0, 6, 12, 18 |
| Beachy Head | .. 9, 12, 15, 18 | Feltham | .. 0, 6, 12, 18 | Pembrey | 0, 3, 6, 9, 12, 15, 18, 21 | Speke | 3, 9, 15, 21 |
| Boscombe Down | 0, 6, 12, 18 | Gorleston | .. 0, 6, 12, 18 | Point of Ayre | .. 0, 6, 12, 18 | Spurn Head | .. 0, 6, 12, 18 |
| Bristol | .. 0, 6, 12, 18 | Larkhill | 12 | Portland Bill | .. 0, 6, 12, 18 | St. Ann's Head | 0, 6, 12, 18 |
| Calshot | .. 0, 6, 12, 18 | Lizard | .. 0, 6, 12, 18 | Porton | 9, 15 | St. Catherine's Pt. | 9, 15, 18 |
| Chivenor | .. 0, 6, 12, 18 | Lympne | .. 0, 6, 12, 18 | Ringway | .. 0, 6, 12, 18 | Tangmere | .. 0, 6, 12, 18 |
| Croydon | .. 0, 6, 12, 18 | Lymcham | .. 0, 6, 12, 18 | Ronaldsway | .. 0, 6, 12, 18 | Tynemouth | .. 0, 6, 12, 18 |
| Defford | .. 0, 6, 12, 18 | Manston | .. 0, 6, 12, 18 | Ross on Wye | .. 6, 12, 18 | Waddington | .. 0, 6, 12, 18 |
| Driffield | .. 0, 6, 12, 18 | Mildenhall | .. 0, 6, 12, 18 | Shawbury | .. 0, 6, 12, 18 | West Malling | .. 0, 6, 12, 18 |
| Edgbaston | .. 6, 12, 18 | Mount Batten | .. 0, 6, 12, 18 | Silloth | 3, 9, 15, 21 | | |

(b) For certain stations hourly tabulations for 1949 are available of wind force and direction, rainfall duration and amount, and duration of sunshine, and the list is given below where, W, R, and S stand for hourly values of wind, rainfall and sunshine :

| | | | |
|---------------------------------|---------------------------|-------------------------------|-----------------------------------|
| Aberporth W, S, R | Dover W* | Leicester W* | Scilly W* |
| Abingdon W, R | Driffield R | Lerwick W, S | Sellafield W, S (both Sept.-Dec.) |
| Acklington S, R | Dungeness W* | Leuchars W, S, R | Shawbury R |
| Aldergrove W, S, R | Dunstable W | Linton-on-Ouse W | Shoebutyress W |
| Armagh R* | Dyce S, R | Little Rissington S, R | Silloth R (May-Dec.) |
| Aust W* | Eskdalemuir W, S, R | Lizard W* | South Farmboro' W, S, R |
| Ballykelly S, R | Exeter S, R | Long Ashton W | Southgate W |
| Beachley W* | Falmouth W, S, R* | Lympne W, S, R | Southport W* |
| Bell Rock W | Felixstowe W, S, R | Lyneham R | South Cerney R (Oct.-Dec.) |
| Benson S, R (both Nov.-Dec.) | Feltham (L.A.P.) R | Manchester (R-way) W, S, R | South Shields W |
| Birmingham (E'baston) W | Finningley R | Manston W, S, R | Speke W, S |
| B'ham. (Elmdon) S (Nov.-Dec.) | Fleetwood W* | Mildenhall W, S, R | Spurn Head W* |
| Boscombe Down W, S, R | Greenwich S, R | Mount Batten S, R | Squires Gate S, R |
| Bramcote (R.N.A.S.)* | Hampton W (Dec.) | Pembrey S, R (both Jan.-Oct.) | Tangmere S, R |
| Bristol S, R | Harwarden S, R | Pembroke Dock R | Thorney Is. W |
| Calshot W (Apr.-Dec.) S, R | Harwell W (May-Dec.) | Pendennis W* | Tiree W |
| Cardington W* | Hatson S, R | Plymouth W | Turnhouse (Airtpt.) R |
| Castle Archdale S, R | Holyhead W, S, R | Point of Ayre* | Valley S |
| Chivenor, S, R (both Feb.-Dec.) | Honily S, R | Prestwick W, S, R | Waddington S, R |
| Church Fenton S, R | Horsham-St.-Faith R | Renfrew W, S, R | Watnall S, R |
| Cranfield S, R | Keswick R | Ronaldsway S, R | West Freugh R |
| Cranwell W, R | Kew W, S, R | Rothamsted S | West Malling S, R |
| Croydon W, S, R | Kingsway W | St. Ann's Head W* | West Raynham S, R |
| Defford S, R | Knebworth (Stevenage) R | St. Eval R | Wick R |
| | Lee-on-Solent (R.N.A.S.)* | St. Merryn (R.N.A.S.)* | Wittering S, R |
| | Leeming S, R | | |

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

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

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 9h. G.M.T. for period 1901-1930 and have been "weighted" where necessary.

Temperature and Sunshine (Table III).—The averages in nearly all cases refer to periods of from 10 to 30 years ending 1935. The length of the period for each station is shown in the appropriate column of the List of Stations. Differences from averages of less than 30 years are printed in italics in the M.W.R.

The averages are given in the following publications :—

- (1) Averages of Temperature for the British Isles for periods ending 1935 (M.O. 407).
- (2) Averages of Bright Sunshine for the British Isles for periods ending 1935 (M.O. 408).

Earth Temperatures 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME.

British Summer Time was in force from April 3rd to Oct. 30th ; 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.

SEA-TEMPERATURE.

Returns of sea-temperatures are received by the Meteorological Office from certain ships, lightships and coast stations. The mean temperatures of the seas round the British Isles for the months of the year 1949 are shown by figures within circles on the maps in the monthly issues of this report. In general the values are derived from readings of ships under way, or from light vessels.

LIST OF STATIONS

| Station. | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|------------------------------------|-------|-------|----------------------|---------|---------|-----------------|--------------|-----------------------------------|--|
| | | | | N. ° | E. ° | | | Temp. Sun- shine. | |
| Aber (University Coll. Farm) | 257 | 7 | Carnarvon | 53 14 | 4 1W. | III C.W. | m. | 11 10 | Prof. E. D. Robertson. |
| Aberdeen (Mannofield) | 20 | 1 | Aberdeen | 57 8 | 2 8W. | III | m. | — — | Town Clerk. |
| Aberporth | 259/7 | 8a | Cardigan | 52 8 | 4 34W. | I A | μ D.M. | — — | Meteorological Office. |
| Aberystwyth | 260 | 8 | Cardigan | 52 25 | 4 4W. | III H | m. | 15 30 | The Town Clerk. |
| Aberystwyth, P.B.S. | 261 | 8 | Cardigan | 52 25 | 4 3W. | III C.W. | m. | 15 11 | The Director, Plant Breeding Station. |
| Abingdon | 205/8 | 5 | Berkshire | 51 41 | 1 19W. | I A | μ M | — — | Meteorological Office. |
| Achnashellach | 9 | 0 | Ross and Cromarty | 57 29 | 5 16W. | III | m. | 23 — | Forestry Commission, (Scotland). |
| Acklington | 71/8 | 2 | Northumberland | 55 18 | 1 39W. | I | M | — — | Meteorological Office. |
| Addington (Hills Res.) | 179 | 5 | Surrey | 51 22 | 0 4W. | III | m. | 30 — | Borough Engineer, Croydon. |
| Aldergrove (Airfield) | 307 | 9 | Antrim | 54 39 | 6 13W. | I A | μ D.W.M. | 30 30 | Meteorological Office. |
| Alice Holt Lodge | 211 | 5 | Hampshire | 51 11 | 0 51W. | I | m. | — — | Forest Research Station. |
| Ambleside | 232/5 | 7 | Westmorland | 54 26 | 2 57W. | III | m. | — — | Clerk to the Council. |
| Amesbury | 225 | | | | | | | | See Boscombe Down. |
| †Ampleforth (College) | 79/5 | 2 | Yorkshire (N.R.) | 54 12 | 1 5W. | III | — | 30 — | Rev. T. L. Jackson, O.S.B. |
| Arbroath (Springfield Park) | 27 | 1 | Angus | 56 33 | 2 35W. | II | m. | 30 10 | The Town Council. |
| Armagh (Observatory) | 313 | 9 | Armagh | 54 21 | 6 39W. | II A | MW | 30 30 | The Director of Observatory (M.O.). |
| Askham Bryan | 118/3 | 4 | Yorkshire (W.R.) | 53 55 | 1 10W. | III C.W. | m. | — — | Yorkshire Institute of Agriculture. |
| Auchincruive | 64 | 6 | Ayr | 55 29 | 4 34W. | III | m. | — — | West of Scotland College of Agriculture. |
| †Aust* | 160/5 | 4 | Gloucestershire | 51 36 | 2 38W. | A. | — | — — | Engineers for the Severn Bridge. |
| Aylesbury | 150 | 4 | Buckingham | 51 47 | 0 47W. | III C.W. | m. | — — | County Education Committee. |
| Balerno (Shothead) | 40/5 | 1 | Midlothian | 55 52 | 3 21W. | III | m. | — — | Dr. A. D. Buchanan Smith. |
| Balfour | 56/5 | 6 | Stirling | 56 4 | 4 20W. | III | m. | — — | The Rector. |
| Ballykelly | 306 | N.I. | Derry | 55 4 | 7 1W. | I | M. | — — | Meteorological Office. |
| Balmoral (Castle G'dns) | 21 | 1 | Aberdeen | 57 2 | 3 12W. | III | m. | 30 — | Major A. W. Haig. |
| Baltasound (Halligarth) | 1 | 0 | Shetland Isles | 60 46 | 0 50W. | III | m. | — — | T. Endmondson Saxby, Esq., F.R.F.P.S., (Glas.) J.P. |
| Banff | 19 | 1 | Banff | 57 40 | 2 31W. | II | m. | 15 11 | The Town Chamberlain. |
| Barmouth | 258/5 | 7 | Merioneth | 52 43 | 4 3W. | III H. | m. | — — | Urban District Council. |
| Barnstaple | 278/5 | 8 | Devon | 51 5 | 4 4W. | III | m. | 30 — | The Librarian, North Devon Athenaeum. |
| Bath | 271 | 8 | Somerset | 51 23 | 2 21W. | III | M.W.W | 15 11 | Medical Officer of Health. |
| †Beachly* | 160/7 | 4 | Gloucestershire | 51 37 | 2 39W. | A. | — | — — | Engineers for the Severn Bridge. |
| Beachy Head (C. Guard Stn.) | 195/5 | 5 | Sussex | 50 44 | 1 15E. | S. | m. | 11 — | The Chief Officer (M.O.). |
| †Belfast (Queen's University) | 308 | N.I. | Antrim | 54 35 | 5 56W. | III | — | — — | The Secretary. |
| Bell Rock Lighthouse | 30/5 | 1 | Angus | 56 26 | 2 24W. | A. | μ | — — | The Principal Lighthousekeeper. |
| Bellingham | 73 | 2 | Northumberland | 55 13 | 2 18W. | III | m. | 17 — | Sir Charles Morrison-Bell, Bart. |
| Belper (School) | 129 | 4 | Derby | 53 1 | 1 29W. | III | m. | 26 — | Herbert Strutt Secondary School. |
| Belstead | 100/6 | | | | | | | | See Ipswich |
| Benbecula | 11 | 0 | Inverness | 57 28 | 7 22W. | I | M.D. | — — | Meteorological Office. |
| Berwick-on-Tweed | 72 | 2 | Northumberland | 55 46 | 2 0W. | III | m. | 12 12 | Borough Surveyor. |
| Bexhill (Egerton Park) | 196 | 5 | Sussex | 50 50 | 0 28E. | III H. | m. | 10 10 | The Borough Council. |
| Bidston Observatory | 248 | | | | | | | | See Birkenhead. |
| Bingley | 118/5 | 4 | Yorkshire (W.R.) | 53 51 | 1 51W. | III | m. | — — | The Director, St. Ives Research Station. |
| Birkenhead (Bidston Obs.) | 248 | 7 | Cheshire | 53 41 | 3 4W. | III A. | μ W,W,M. | 30 28 | The Director. |
| Birmingham (Edgbaston) | 143 | 4 | Warwick | 52 29 | 1 56W. | S.A. | μ W,W,M. | 13 30 | The Edgbaston Observatory. |
| (Sparkhill) | 144 | 4 | Warwick | 52 27 | 1 51W. | III | m. | 28 — | D. H. Owen, Esq. |
| Birtley | 75/5 | 2 | Durham | 54 55 | 1 35W. | III | m. | — — | Durham Chemicals Ltd. |
| Blackford Hill | 42 | | | | | | | | See Edinburgh. |
| Blackpool (Squires Gate) | 245/3 | 7 | Lancashire | 53 46 | 3 2W. | I | D.M. | — — | Meteorological Office. |
| Bodium (Hawkhurst) | 196/7 | 5 | Sussex | 50 51 | 0 30E. | III | m. | — — | Arthur Guinness and Son and Co. Ltd. |
| Boghall | 41 | | | | | | | | See Edinburgh. |
| Bognor Regis | 197 | 5 | Sussex | 50 45 | 0 41W. | III H. | m. | 30 30 | The Town Clerk. |
| Bolton | 235 | 7 | Lancashire | 53 35 | 2 27W. | III | m. | 30 30 | The Corporation. (The Curator). |
| Boscombe Down (Airfield) | 225 | 5 | Wiltshire | 51 10 | 1 45W. | I A. | μ D.M. | — — | Meteorological Office. |
| Boston (Frieston Rd.) | 228 | 6 | Lincoln | 52 58 | 0 0 | III | m. | — — | N. H. Middlebrook, Esq. |
| Bournemouth (Vale View) | 212 | 5 | Hampshire | 50 43 | 1 54W. | II H. | m. | 15 30 | The Town Clerk. |
| Bradford (Lister Park) | 119 | 4 | Yorks. (W.R.) | 53 49 | 1 46W. | III | m.W' | 28 28 | The Corporation. |
| Braemar | 22 | 1 | Aberdeen | 57 0 | 3 24W. | III | M. | 30 — | R. A. Lees, Esq. |
| †Bramcote | 4 | | Nottingham | 52 29 | 1 24W. | A. | — | — — | Meteorological Office. |
| Bramley | 212/3 | 5 | Hampshire | 51 15 | 1 3W. | III | m. | — — | Deputy Commander, R.E. |
| Brighton (Old Steyne) | 198 | 5 | Sussex | 50 49 | 0 8W. | III H. | m. | 15 30 | Corporation Waterworks. |
| Bristol (Filton) | 161 | 8 | Somerset | 51 31 | 2 35W. | I | D.M. | — — | Meteorological Office. |
| Bromley | 183 | 5 | Kent | 51 24 | 0 1E. | III | m. | — — | Borough Engineer. |
| Buddon Ness Lighthouse | 29 | | | | | | | | See Carnoustie. |
| Bude | 295 | 8 | Cornwall | 50 50 | 4 33W. | III | m. | 4 — | Clerk to the Council. |
| Bunhill Row | 165 | | | | | | | | See London. |
| Burlingham | 91/5 | 3 | Norfolk | 52 38 | 1 30E. | III C.W. | m. | — — | Chief Education Officer, |
| Burnley | 236 | 7 | Lancashire | 53 48 | 2 15W. | III | W.m. | 28 28 | Medical Officer of Health |
| Buxton | 131 | 4 | Derby | 53 16 | 1 55W. | III | m. | 15 28 | The Town Clerk |
| Bwlchgwyn | 255/5 | 7 | Denbigh | 53 4 | 3 8W. | III | m. | — — | S. E. Ashmore, Esq. |
| Byfleet (Wisley R.H.S. Gardens) | 181 | 5 | Surrey | 51 17 | 0 26W. | III C.W. | M. | 30 30 | The Director |
| †Callander | 33 | 1 | Perthshire | 56 15 | 4 13W. | III | — | — — | The Town Clerk |
| Calshot (Airfield) | 213 | 5 | Hampshire | 50 49 | 1 18W. | I A. | μ D.M. | — — | Meteorological Office. |
| Cambridge (Bot. G'dns.) | 102 | 3 | Cambridge | 52 12 | 0 8E. | II | W.M. | 20 30 | The Director |
| Camden Square | 166 | | | | | | | | See London. |

* Temporary Stations ; Severn Bridge Site.

| Station | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages. (number of years). | Authority. |
|--------------------------------------|-------|-------|-----------------|-------|---------|-----------------|--------------|------------------------------------|--|
| Cannington (Somerset Farm Institute) | 272 | 8 | Somerset | 51 9 | 3 4W. | III C,W. | m. | — — | The Principal. |
| Cantref (Cardiff Water-works) | 266 | 8 | Brecknock | 51 50 | 3 27W. | III | m. | — — | The Water Engineer, Cardiff. |
| Cape Wrath | 8/3 | 0 | Sutherland | 58 37 | 5 0W. | S. | D,M. | — — | The Sec., Northern Lighthouse Board. |
| Cardiff | 267 | 8 | Glamorgan | 51 30 | 3 9W. | III | W,M. | 30 28 | Medical Officer of Health. |
| Cardington (R.A.W.) | 107/5 | 3 | Bedford | 52 7 | 0 25W. | A. | μ | — — | Meteorological Office. |
| Carluke (Law Junction) | 60/5 | 6 | Lanark | 55 45 | 3 53W. | III | m. | — — | Dr. W. A. Galbraith. |
| Carnoustie (Buddon Ness Lighthouse) | 29 | 1 | Angus | 56 28 | 2 44W. | S. | m. | — — | Dundee Harbour Trust. |
| Castle Archdale | 313/6 | N.I. | Fermanagh | 54 28 | 7 43W. | I | D,M. | — — | Meteorological Office. |
| Castlerock | 306/3 | N.I. | Londonderry | 55 10 | 6 46W. | III | m. | — — | E. G. Box, Esq. |
| †Chadacre | 98 | 3 | Suffolk | 52 8 | 0 42 E. | III C,W. | — | — — | The Principal. |
| Chentham (Mont-pellier Gdns.) | 162 | 4 | Gloucester | 51 54 | 2 3W. | II H. | M. | 15 29 | The Town Clerk. |
| †Cheshunt | 107/5 | 3 | Hertford | 51 42 | 0 2W. | III C,W. | — | — — | Dr. E. R. Leonard. |
| †Chester (Birdham) | 198/5 | 5 | Sussex | 50 47 | 0 50W. | III | — | — — | S. A. Searle, Esq. |
| Chivenor | 278/8 | 8 | Devon | 51 5 | 4 9W. | I | D,M. | — — | Meteorological Office. |
| Chopwellwood | 76 | 2 | Durham | 54 55 | 1 47W. | III | m. | 25 25 | Forestry Commission. |
| Church Fenton | 119/5 | 4 | Yorks | 53 50 | 1 4W. | I | M. | — — | Meteorological Office. |
| †Cirencester | 163 | 4 | Gloucester | 51 47 | 1 59W. | III C,W. | — | — — | Royal Agricultural College. |
| Clacton-on-Sea | 111 | 3 | Essex | 51 48 | 1 9.E | III | m. | — — | The Town Clerk. |
| Cleethorpes (Kings Parade) | 90 | 2 | Lincoln | 53 33 | 0 1W. | III H. | m. | 11 11 | The Engineer and Surveyor. |
| Cockle Park | 74 | | | | | | | | See Morpeth. |
| Codsall (Oaken) | 151/1 | | | | | | | | See Oaken. |
| Colmonell | 65 | 6 | Ayr | 55 8 | 4 57W. | III | m. | 28 — | Captain McConnel. |
| Colonsay | 50/3 | 6 | Argyle | 56 5 | 6 11W. | III | m. | — — | Lord Strathcona. |
| Colwyn Bay (Eirias Pk.) | 256 | 7 | Denbigh | 53 16 | 3 44W. | III H. | m. | 12 27 | Engineer and Surveyor. |
| Compton Scorpion | 147/4 | | | | | | | | See Shipston-on-Stour. |
| †Corsham | 226 | 5 | Wiltshire | 51 25 | 2 11W. | III | — | — — | W. A. Tolley, Esq. |
| Cottesmore | 139/7 | 4 | Rutland | 52 43 | 0 38W. | I | D. | — — | Meteorological Office. |
| Coventry (City Hospital) | 145 | 4 | Warwick | 52 23 | 1 29W. | III | m. | 30 30 | Medical Officer of Health. |
| Craibstone | 23 | 1 | Aberdeen | 57 11 | 2 12W. | III C,W. | W,M. | — — | The Principal. |
| Cranfield | 105/2 | 3 | Bedford | 52 4 | 0 37W. | I | D,M. | — — | Meteorological Office. |
| Cranwell | 89 | 2 | Lincoln | 53 2 | 0 31W. | III A. | μ,W,M. | 15 15 | Meteorological Office. |
| Crickhowell | 266/5 | 8 | Brecknock | 51 61 | 3 7W. | III | m. | — — | R. G. Sandeman, Esq. |
| Cromer | 92 | 3 | Norfolk | 52 56 | 1 17 E. | III H. | M. | 15 30 | Clerk to the Urban District Council. |
| Croydon Airport | 180 | 5 | Surrey | 50 21 | 0 7W. | I A. | μ,M. | 15 15 | Meteorological Office. |
| Cullompton | 279 | 8 | Devon | 50 53 | 3 23W. | III | m,W. | 30 30 | Captain N. J. Trezise, R.N. |
| Cupar (Asylum) | 35 | 1 | Fife | 56 19 | 3 1W. | III | m. | — — | The Medical Superintendent. |
| †Dale Fort | 261/7 | 8 | Pembroke | 51 42 | 5 9W. | III | — | — — | Council for the Promotion of Field Study. |
| Dalwhinnie | 12 | 0 | Inverness | 56 56 | 4 14W. | S. | M. | — — | A. J. Davidson, Esq. |
| †Dartford | 183/8 | 5 | Kent | 51 26 | 0 13E. | III | — | — — | Borough Engineer. |
| Darwen | 237 | 7 | Lancashire | 53 41 | 2 28W. | II | m. | 28 28 | Medical Officer of Health. |
| Davidson's Mains | 41/5 | 1 | Midlothian | 55 58 | 3 17W. | III | m. | — — | Borough Engineer and Surveyor. |
| Dawlish | 279/5 | 8 | Devon | 50 40 | 3 28W. | III H. | m. | — — | Borough Engineer and Surveyor. |
| Deford | 155 | 4 | Worcester | 52 6 | 2 9W. | I | M. | — — | Meteorological Office. |
| Donibristle | 35/3 | 1 | Fife | 56 3 | 3 21W. | I | M. | — — | Meteorological Office. |
| †Douai Abbey | 207 | 5 | Berkshire | 51 24 | 1 10W. | III | — | — — | The Abbot. |
| Douglas | 71 | 6 | Isle of Man | 54 10 | 4 28W. | III H. | M. | 25 30 | Borough Surveyor. |
| Dover | 186 | 5 | Kent | 51 7 | 1 19E. | III A. | μ,m | 13 13 | Borough Engineer. |
| Dovercourt | 113/5 | 3 | Essex | 51 57 | 1 16E. | III H. | m. | 11 — | Borough Surveyor, Harwich. |
| Driffield | 85/3 | 2 | Yorkshire E.R. | 54 0 | 0 28W. | I | M. | — — | Meteorological Office. |
| Droitwich | 155/5 | 4 | Worcester | 52 16 | 7 9W. | III | m. | — — | Borough Engineer and Surveyor. |
| Dumfries | 68 | 6 | Dumfries | 55 3 | 3 36W. | III | m,W. | 30 26 | Crichton Royal Institute. |
| Dunbar (Public Park) | 43/7 | 1 | E. Lothian | 56 0 | 2 31W. | III | m. | — — | The Borough Surveyor. |
| Dundee (Mayfield) | 30 | 1 | Angus | 56 28 | 2 56W. | III | W,M. | 20 20 | The Director of Studies. |
| Dunfermline | 35/5 | 1 | Fife | 56 4 | 3 28W. | II H. | m. | — — | The Carnegie Dunfermline Trust. |
| Dungeness | 187 | 5 | Kent | 50 55 | 0 58E. | S,A. | M. | 15 — | Chief Officer, R.N. Signal St. (M.O.). |
| Dunoon | 50/4 | 6 | Argyle | 55 58 | 4 56W. | III | m. | — — | The Burgh Engineer. |
| Dunoon (Benmore) | 50/5 | 6 | Argyll | 56 2 | 4 59W. | III C,W. | m. | — — | Forestry Commission (Scotland). |
| Dunstable | 105 | 3 | Bedford | 51 53 | 0 33W. | II A. | μ,M. | — — | Meteorological Office. |
| Duntulm | 7/5 | 0 | Inverness, Skye | 57 39 | 6 22W. | III | m. | — — | Seton Gordon, Esq., C.B.E. |
| Durham | 77 | 2 | Durham | 54 46 | 1 35W. | II A. | μ,W,M. | 30 30 | University Observatory (The Director). |
| „ (Houghall Hort. Stn.) | 78 | 2 | Durham | 54 45 | 1 35W. | III C,W. | m. | 10 11 | Director of Agriculture. |
| Dyke | 23/1 | 1 | Aberdeen | 57 12 | 2 12W. | I | M,D. | — — | Meteorological Office. |
| Earls Colne (Grammar School) | 114 | 3 | Essex | 57 55 | 0 42 E. | III | m. | 11 — | The Headmaster. |
| Eastbourne (Wilmington Sq.) | 199 | 5 | Sussex | 50 46 | 0 17E. | II H. | M. | 30 30 | Medical Officer of Health. |
| East Ham | 167 | | | | | | | | See London. |
| East Malling (Research Stn.) | 188 | 5 | Kent | 51 17 | 0 24E. | III C,W. | m. | 30 30 | The Director. |
| East Budleigh (Bicton Old Rectory) | 278/7 | 8 | Devon | 50 40 | 3 19W. | II | m. | — — | Col. O. M. Dyke. |
| †Eastwick Lodge Farm | 108 | 3 | Essex | 51 47 | 0 5E. | III | — | — — | Harlow Development Corporation. |
| Edgbaston | 143 | | | | | | | | See Birmingham. |
| Edinburgh | | | | | | | | | |
| Blackford Hill | 42 | 1 | Midlothian | 55 55 | 3 11W. | II A. | μ,W,M. | 30 30 | The Astronomer Royal for Scotland. |
| Botanic Gardens | 42/5 | 1 | Midlothian | 55 38 | 3 12W. | III | m. | — — | The Curator. |
| Boghall | 41 | 1 | Midlothian | 55 52 | 3 12W. | III C,W. | m. | 11 11 | Edinburgh and East of Scotland College of Agriculture. |
| Liberton (College Farm) | 43 | 1 | Midlothian | 55 55 | 3 10W. | III | m. | — — | Edinburgh and East of Scotland College of Agriculture. |

| Station. | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|--------------------------------|-------|-------|-------------------|-------|---------|-----------------|---------------------|-----------------------------------|---|
| | | | | N. | | | | Temp. Sun- shine. | |
| Ellbridge (Experimental Stn.) | 295/5 | | | | | | | | |
| Elmdon | 143/1 | 4 | Warwick | 52 27 | 1 45W. | I | D.M. | — — | |
| Elmstone | 188/3 | 5 | Kent | 51 17 | 1 14E. | III | m. | — — | See St. Mellion. Meteorological Office. J. B. Henderson, Esq. |
| Eskdalemuir (Observatory) | 69 | 6 | Dumfries | 55 19 | 3 12W. | I A. | M, μ , W, O, D. | — — | The Superintendent (M.O.). |
| Exeter | 280 | 8b | Devon | 50 44 | 3 25W. | I | M. | — — | Meteorological Office. |
| Exmouth | 281 | 8 | Devon | 50 36 | 3 24W. | III H. | m. | 22 22 | Engineer and Surveyor. |
| Falkirk | 56/7 | 6 | Stirling | 56 0 | 3 48W. | III | m. | — — | The Sanitary Inspector. |
| Falmouth (Observatory) | 296 | 8 | Cornwall | 50 9 | 5 5W. | III H.A. | μ , W, m. | 15 30 | The Supt. for Royal Cornwall Polytechnic Society. |
| †Farnham | 108/3 | 5 | Surrey | 51 31 | 0 48W. | III | m. | — — | A. C. Hunt, Esq. |
| Farnham (Rowledge) | 180/4 | 5 | Surrey | 51 11 | 0 49W. | III | — | — — | A. Hampton Brown, Esq. |
| Felixstowe (Airfield) | 100 | 3 | Suffolk | 51 57 | 1 20E. | I H.A. | μ , D, M. | 15 30 | Meteorological Office. |
| Feltham (London Airport) | 168/5 | 5 | Middlesex | 51 29 | 0 27W. | I | D.M. | — — | Meteorological Office. |
| Flinningley | 119/7 | 4 | Yorks. W.R. | 53 29 | 1 0W. | I | D.M. | — — | Meteorological Office. |
| Fleetwood | 237/5 | 7 | Lancashire | 55 53 | 3 3W. | A. | μ | — — | Borough Council (M.O.). |
| Fleetwood | 237/5 | 7 | Lancashire | 55 55 | 3 3W. | III H. | m. | — — | The Town Clerk. |
| Fochabers (Gordon Castle) | 18 | 1 | Moray | 57 37 | 3 5W. | II | m. | 30 27 | The Head Gardener. |
| Folkestone (The Leas) | 189 | 5 | Kent | 51 5 | 1 11E. | III H. | m. | — — | Borough Engineer. |
| Forres | 17/5 | 1 | Moray | 57 37 | 3 26W. | III | m. | — — | The Town Clerk. |
| Fortrose | 10 | 0 | Ross and Cromarty | 57 35 | 4 8W. | III | m. | 25 25 | The Town Council (Rev. Wm. Craig). |
| Fort William | 14 | 0 | Inverness | 56 49 | 5 7W. | III | m, W. | 21 20 | Jas. W. Ainslie, Esq. |
| Fowey | 298 | 8 | Cornwall | 50 21 | 4 38W. | III | m. | 25 25 | The Town Clerk. |
| Frampton Cotterell | 163/2 | 4 | Gloucester | 51 32 | 2 29W. | III | m. | — — | H. H. Harding, Esq. |
| †Freshwater | 219 | 5 | Isle of Wight | 50 41 | 1 31W. | III | — | — — | The Headmaster. |
| Garvagh (Moneydig) | 306/4 | N.I. | Londonderry | 54 59 | 6 36W. | III | m, W. | 30 — | J. Porter, Esq. |
| Gibraltar | — | — | — | 36 9 | 5 21W. | I | M. | 15 — | Meteorological Office. |
| Glasgow (Springburn Park) | 62/3 | 6 | Lanark | 55 53 | 4 14W. | III | m. | — — | Director of Parks. |
| Glenbranter | 51 | | — | — | — | — | — | — | See Strachur. |
| Glengavel | 63 | 6 | Lanark | 55 35 | 4 7W. | III | m. | — — | County Water Engineer. |
| Glenlee | 70/5 | 6 | Kirkcudbright | 55 61 | 4 11W. | III | m. | — — | Galloway Water Power Co. |
| Glenlivet | 19/5 | 1 | Banff | 57 17 | 3 17W. | III | m. | — — | W. Duncan, Esq. |
| Glenress (Peebles) | 45/7 | 1 | Peebles | 55 40 | 3 10W. | III | m. | — — | Forestry Commission. |
| Glensaugh (Fettercairn) | 25/5 | 1 | Kincardine | 56 54 | 2 32W. | III | m. | — — | North of Scotland College of Agriculture. |
| Gordon Castle | 18 | | — | — | — | — | — | — | See Fochabers. |
| Gorleston (C. Guard Stn.) | 96 | 3 | Norfolk | 52 35 | 1 44 E. | S.H.A. | μ , W, D, M. | 15 28 | Station Officer (M.O.). |
| Goudhurst (Bedgebury Forest) | 189/3 | 5 | Kent | 51 5 | 0 27E. | III | m. | — — | Forestry Commission. |
| Greenock | 58 | 6 | Renfrew | 55 56 | 4 46W. | II | m. | 30 — | Water Engineer. |
| Greenwich | 169 | | — | — | — | — | — | — | See London |
| Grimsetter | 3 | 0 | Orkney | 58 59 | 2 58W. | I | M. | — — | Meteorological Office. |
| Guernsey (States Airpt') | 336/1 | — | Channel Islands | 49 26 | 2 36W. | II H. | D, M. | — — | The Commandant. |
| Gulval (Experimental Stn.) | 299 | 8 | Cornwall | 50 8 | 5 32W. | III C.W. | m. | 11 11 | Cornwall W.A.E.C. |
| Habrough | 90/5 | 2 | Lincoln | 53 37 | 0 15W. | III | m. | — — | R. J. Blakeborough, Esq. |
| Halstead | 115 | 3 | Essex | 51 57 | 0 38 E. | III | m. | 30 — | F. N. Adams, Esq. |
| Hampstead Res. | 170 | | — | — | — | — | — | — | See London |
| †Hampton | 170/1 | 5 | Middlesex | 51 25 | 0 22W. | III A. | — | — — | Metropolitan Water Board. |
| †Handsworth | 145/3 | 4 | Warwick | 52 30 | 1 36W. | II | — | — — | D. M. Evans, Esq. |
| Hankinson | 200 | 5 | Sussex | 50 49 | 0 18E. | III | m. | — — | A. E. Moon, Esq. |
| Harpden (Rothamsted) | 109 | 3 | Hertford | 51 48 | 0 22W. | II C.W. | M.W. | 30 30 | Lawes Agricultural Trust. |
| Harrogate | 121 | 4 | Yorks. W.R. | 54 0 | 1 33W. | III | M.W. | 15 30 | Borough Engineer. |
| Hartland Point (C. Guard Stn.) | 281/5 | 8 | Devon | 51 1 | 4 32W. | S. | M. | — — | Station Officer (M.O.). |
| †Harwell | 207 | | Berkshire | 51 36 | 1 16W. | A. | — | — | Ministry of Supply. |
| Hastings (White Rock) | 202/5 | 5 | Sussex | 50 51 | 0 34E. | III H. | μ , W, m. | — — | Town Clerk. |
| Haughley | 100/5 | 3 | Suffolk | 52 14 | 0 59E. | III | — | — | The Soil Association. |
| Haverfordwest | 262 | 8 | Pembroke | 51 48 | 4 58W. | III | m. | 28 28 | The Borough Surveyor. |
| Hawarden | 251/5 | 7b | Flint | 53 11 | 2 59W. | I | M. | — — | Meteorological Office. |
| Hawarden Bridge | 252 | 7 | Flint | 53 12 | 3 1W. | III | m. | 30 — | Messrs. John Summers and Sons, Ltd. |
| Hawkhurst | 196/7 | | — | — | — | — | — | — | See Bodiam. |
| Helensburgh (Valve House) | 56 | 6 | Dumbarton | 56 1 | 4 43W. | III | m. | 30 25 | Burgh Surveyor. |
| Hereford (Belmont Abbey) | 159 | 4 | Hereford | 52 5 | 2 45W. | III | m. | 30 — | The Right Reverend Abbot. |
| Herne Bay (St. Ann's) | 189/5 | 5 | Kent | 51 22 | 1 7E. | III H. | m. | — — | Urban District Council. |
| Hillsborough | 312 | N.I. | Down | 54 27 | 6 4W. | III | W, m. | — 30 | The Sec., Agriculture Research Institute. |
| Holyhead | 255/1 | 7 | Anglesey | 53 19 | 4 37W. | I A. | μ , W, m. | 15 23 | Meteorological Office. |
| Houghall (Hort. Stn.) | 78 | | — | — | — | — | — | — | See Durham. |
| Huddersfield (Ravensknowle) | 122 | 4 | Yorks. W.R. | 53 38 | 1 45W. | II | m, W. | 29 29 | Tolson Mem. Museum. |
| Huddersfield (Oakes) | 123 | 4 | Yorks. W.R. | 53 59 | 1 50W. | III | m. | 11 — | S. Morris Bower, Esq. |
| Hull (Pearson Park) | 86 | 2 | Yorks. E.R. | 53 45 | 0 16W. | II | W, m. | 30 10 | General Superintendent, Parks, Cemeteries and Allotments Dept. |
| Hunstanton | 93 | 3 | Norfolk | 52 57 | 0 29E. | III H. | m. | 12 12 | Hunstanton Advancement Association. |
| Hutton | 238 | 7 | Lancashire | 53 44 | 2 45W. | III | M. | 22 22 | County Institute of Agriculture. |

| Station | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|--------------------------------------|-------|-------|-----------------|-------|----------|-----------------|------------------------|-----------------------------------|--|
| Ilfracombe (Bowling Green) | 282 | 8 | Devonshire | 51 12 | 4 7W. | III H. | m. | 25 25 | Urban District Council. |
| Ilkley | 124 | 4 | Yorks. W.R. | 53 55 | 1 50W. | III | m. | 13 13 | The Engineer and Surveyor. |
| Inverness | 115 | 0 | Inverness | 57 26 | 4 13W. | II | m,W. | 25 25 | Alan McKenzie, Esq. |
| Ipswich (Belstead) | 100/6 | 3 | Suffolk | 52 0 | 1 2E. | III | m. | — — | R. Wilson, Esq. |
| Jersey (St. Helier) | 336 | — | Channel Islands | 49 12 | 2 6W. | III H. | W,m. | — — | The Greffier. |
| Kelso (Floors) | 48 | 1 | Roxburgh | 55 36 | 2 28W. | III | m. | 30 — | P. Cameron, Esq. |
| Kensington Palace | 171 | — | Cumberland | 54 36 | 3 9W. | III | m,W. | 30 17 | See London. Clerk to the Urban District Council. See London. |
| Keswick | 231 | 7 | Montgomery | 52 46 | 3 28W. | III | m. | — — | See London. |
| Kew Observatory | 174 | — | — | — | — | — | — | — | — |
| Kilmarnock (Springhill House) | 65/5 | 6 | Ayrshire | 55 36 | 4 30W. | III | m. | 28 28 | The Borough Surveyor. See London. |
| Kingsway | 165 | — | — | — | — | — | — | — | — |
| †Kirkaldy (Victoria Hospital) | 37 | 1 | Fife | 56 8 | 3 10W. | III C.W. | — | 30 — | The Town Clerk. |
| †Lacock | 226/5 | 5 | Wiltshire | 51 26 | 2 7W. | III | — | — — | Lackham School of Agriculture. |
| Lake Vyrnwy | 259/5 | 7 | Montgomery | 52 46 | 3 28W. | III | m. | — — | The Chief Engineer. |
| Larkhill (School of Artillery) | 227 | 5 | Wiltshire | 51 11 | 1 48W. | I A. | μ,M. | 15 — | Meteorological Office. |
| Largs (Woodbank) | 65/6 | 6 | Ayrshire | 55 48 | 4 52W. | III | m. | — — | A. Simpson, Esq. |
| Lauder (The Roan) | 49/5 | 1 | Selkirk | 55 41 | 2 43W. | III | m. | — — | H. H. Gowan, Esq. |
| Leamington Spa | 146 | 4 | Warwick | 52 18 | 1 30W. | III | m. | 18 24 | The Medical Officer of Health. |
| Leckford | 214/5 | 5 | Hampshire | 51 7 | 1 27W. | III | m. | — — | The Managing Director, Leckford Estates Ltd. |
| Leeming | 80 | 2 | Yorks. N.R. | 54 15 | 1 32W. | I | D,M. | — — | Meteorological Office. |
| †Lee-on-Solent | — | 5 | Hampshire | 50 48 | 1 12W. | A. | — | — — | Meteorological Office. |
| Leicester (City General Hospital) | 139/5 | 4 | Leicester | 52 38 | 1 5W. | III A. | μ,m, M, μ,W,O,D. | — — | The Medical Officer of Health. |
| Lerwick Observatory | 2 | 0 | Shetland Is. | 60 8 | 1 11W. | I A. | — | 13 | Meteorological Office. |
| †Letchworth | 108/5 | 3 | Hertford | 52 0 | 0 13W. | III | — | — | The Surveyor. |
| Leuchars (Airfield) | 38 | 1 | Fife | 56 23 | 2 53W. | I A. | μ,D,M. | 15 15 | Meteorological Office. |
| Liberton (College Farm) | 43 | — | — | — | — | — | — | — | See Edinburgh. |
| †Lincoln (Beaumont Fee) | 90/7 | 2 | Lincoln | 53 14 | 0 33W. | III | — | — — | The City Engineer and Surveyor. |
| Linton-on-Ouse | 81 | 2 | Yorks. N.R. | 54 3 | 1 15W. | A. | μ | — — | Meteorological Office. |
| Lisburn (School) | 310 | N.I. | Antrim | 54 31 | 6 2W. | III | m. | 23 — | The Headmaster. |
| Littlehampton | 201 | 5 | Sussex | 50 48 | 0 32W. | III H. | m. | 5 20 | The Clerk to the U.D.C. |
| Little Rissington | 163/4 | 4 | Gloucester | 51 52 | 1 42W. | I | M. | — — | Meteorological Office. |
| Liverpool (Bidston) | 248 | — | — | — | — | — | — | — | See Birkenhead. |
| Lizard, The (C. Guard Station) | 299/5 | 8 | Cornwall | 49 57 | 5 12W. | S. A. | μ,D,M. | — — | Station Officer (M.O.). |
| Llandrindod Wells (The Common) | 264/7 | 8 | Radnor | 52 14 | 3 22W. | III | m. | — — | Urban District Council. |
| Llandudno | 258 | 7 | Carnarvon | 53 20 | 3 50W. | III | M. | 25 30 | The Medical Officer of Health. |
| Llety-elan-hen | 261/5 | 8 | Cardigan | 52 27 | 3 55W. | III C.W. | m. | — — | The Director, Plant Breeding Station. |
| Logie Coldstone | 24 | 1 | Aberdeen | 57 8 | 2 55W. | III | m. | — — | The Director of Education. |
| London :— | | | | | | | | | |
| Bunhill Row | 165 | Lon. | London | 51 31 | 0 5W. | (Sunsh. only) | m. | — — | Messrs. T. De La Rue and Co., Ltd. |
| Camden Square | 166 | " | London | 51 33 | 0 8W. | III | m. | 30 — | Royal Meteorological Society. |
| East Ham | 167 | " | Essex | 51 32 | 0 4E. | III | m. | 30 — | The Corporation. |
| †Enfield | 168 | " | Middlesex | 51 38 | 0 2W. | III | — | — | The Engineer and Surveyor. |
| Greenwich Obs'y | 169 | " | London | 51 29 | 0 0 | I | M. | 30 30 | The Astronomer Royal. |
| Hampstead Reservoir | 170 | " | London | 51 34 | 0 11W. | III | m. | 25 25 | The Hampstead Scientific Society (E. L. Hawke, M.A.). |
| Kensington Palace | 171 | " | London | 51 36 | 0 10W. | II | M. | 15 — | Bailiff of the Royal Parks (M.O.). |
| Kew Observatory | 174 | " | Surrey | 51 28 | 0 19W. | I A. | D, μ,W, W,O,M. | 30 30 | The Superintendent (M.O.). |
| Kingsway | 165 | " | London | 51 31 | 0 7W. | (Sunsh. only)A | μ,m. | — — | Meteorological Office. |
| Regent's Park | 173 | " | London | 51 31 | 0 9W. | II | m. | — — | Bailiff of the Royal Parks (M.O.). |
| Southgate | 174/7 | " | London | 51 38 | 0 7W. | III A. | m. | — — | The Borough Engineer. |
| Waldstone | 177/7 | " | Middlesex | 51 35 | 0 20W. | III | m. | — — | Messrs. Kodak Ltd. |
| Westminster :— (St. James's Park) | 178 | " | London | 51 30 | 0 8W. | II | m. | 30 30 | Bailiff of the Royal Parks (M.O.). |
| Long Ashton (Research Station) | 273 | 8 | Somerset | 51 26 | 2 40W. | III C.W.A. | m. | 15 15 | The Director. |
| Long Sutton | 215 | 5 | Hampshire | 51 12 | 0 55W. | III C.W. | m. | 10 10 | The Lord Wandsworth College. |
| Lossiemouth | 18/5 | 1 | Moray | 57 43 | 3 20W. | I | M. | — — | Meteorological Office. |
| Lowestoft | 101 | 3 | Suffolk | 52 29 | 1 45E. | III H. | m. | 20 25 | The Town Clerk. |
| Luton (Wardown Park) | 106 | 3 | Bedford | 51 54 | 0 25W. | III | m. | 15 15 | The Borough Engineer. |
| Lymne | 190 | 5 | Kent | 51 5 | 1 2E. | I A. | μ,D,M. | 15 15 | Meteorological Office. |
| Lyneham | 227/5 | 5 | Wiltshire | 51 31 | 1 59W. | I | M. | — — | Meteorological Office. |
| Lyonshall (The Whittern) | 159/5 | 4 | Hereford | 52 13 | 2 58W. | III | m. | — — | R. H. Green, Esq. |
| Macclesfield | 249 | 7 | Cheshire | 53 16 | 2 8W. | III | m. | 30 — | The Borough and Waterworks Engineer. |
| Maldon | 115/5 | 3 | Essex | 51 44 | 0 40E. | III | m. | — — | The Town Clerk. |
| Malham Tarn | 124/5 | 7 | Yorkshire | 54 6 | 2 10W. | III | m. | — — | Council for the Promotion of Field Study. |
| Malta | 338 | — | — | 35 51 | 14 28 E. | I | M. | — — | Meteorological Office. |
| Malvern (Free Library) | 156 | 4 | Worcester | 52 8 | 2 18W. | III | m. | 23 27 | The Clerk to the Council. |
| Manchester :— Ringway | 249/5 | 7 | Cheshire | 53 2 | 2 16W. | I A. | μ,D,M. | — — | Meteorological Office. |
| Whitworth Park | 241 | 7 | Lancashire | 53 28 | 2 14W. | II | W,M. | 30 30 | The Director, Physical Laboratories, University of Manchester. |
| Mansfield | 133 | 4 | Nottingham | 53 9 | 1 11W. | III | m. | 10 — | The Borough Surveyor. |
| Manston Airfield | 190/5 | 5 | Kent | 51 21 | 1 22E. | I A. | μ,M. | — — | Meteorological Office. |

| Station. | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|--|-------|-------|-------------------|--------|--------|-----------------|----------------|-----------------------------------|---|
| | | | | N ° | ° | | | Temp. Sun- shine. | |
| Marchmont .. | 45 | 1 | Berwick .. | 55 44 | 2 25W. | III | W.m. | 30 30 | Capt. J. H. F. McEwen, M.P. |
| Margate .. | 191 | 5 | Kent .. | 51 24 | 1 24E. | III H. | W.m. | — — | The Town Clerk. |
| Market Drayton .. | 150/7 | 4 | Stafford .. | 52 55 | 2 24W. | II | m. | — — | The Medical Superintendent, Cheshire Joint Sanatorium. |
| Marlborough College .. | 228 | 5 | Wiltshire .. | 51 25 | 1 44W. | III | W.m. | 30 30 | The Headmaster. |
| † Mellor .. | 249/1 | 7 | Cheshire .. | 53 24 | 2 2W. | III | — | — — | Dr. K. C. Roberts. |
| Midcalder (Howden House) .. | 43/5 | 1 | Midlothian .. | 55 53 | 3 31W. | III | m. | — — | Department of Agriculture. |
| Mildenhall .. | 101/5 | 3 | Suffolk .. | 52 22 | 0 28E. | I A. | μ,D.M. | — — | Meteorological Office. |
| † Millport .. | 52/5 | 6 | Buteshire .. | 55 45 | 4 54W. | III A. | — | — — | Marine Research Station. |
| Moneydig .. | 306/4 | | | | | | | | See Garvagh. |
| Montrose Links .. | 32 | 1 | Angus .. | 56 42 | 2 27W. | III H. | m. | 15 19 | The Burgh Surveyor. |
| Morecambe .. | 244 | 7 | Lancashire .. | 54 4 | 2 52W. | III H. | m. | 16 21 | The Town Clerk. |
| Morpeth (Cockle Park) .. | 74 | 2 | Northumberland .. | 55 13 | 1 41W. | II C.W. | W.M. | 30 30 | Department of Agriculture, King's College See Plymouth. |
| Mount Batten .. | 287 | | | | | | | | |
| Nairn .. | 17 | 0 | Nairn .. | 57 35 | 3 52W. | III | W.m. | 25 29 | The Town Clerk. |
| Nelson .. | 244/5 | 7 | Lancashire .. | 53 50 | 2 12W. | III | m. | — — | The Medical Officer of Health. |
| Newport (Recreation Ground) .. | 220 | 5 | Isle of Wight .. | 50 41 | 1 18W. | III | m. | — — | The Borough Engineer and Surveyor. |
| Newport (Hospital) .. | 269 | 8 | Monmouth .. | 51 35 | 3 1W. | III | m. | 15 — | The Medical Officer of Health. |
| Newport (Harper Adams Agric. College) .. | 152 | 4 | Shropshire .. | 52 47 | 2 26W. | III C.W. | m. | — — | Harper Adams Agricultural College. |
| Newquay .. | 300 | 8 | Cornwall .. | 50 25 | 5 5W. | III H. | M. | 25 30 | The Clerk to the Council. |
| Newton Abbot (Seale-Hayne College) .. | 284 | 8 | Devonshire .. | 50 33 | 3 38W. | III C.W. | m. | 11 11 | The Principal. See Penrith. |
| Newton Rigg .. | 232 | | | | | | | | |
| North Berwick (Gas Works) .. | 44 | 1 | East Lothian .. | 56 3 | 2 43W. | III | m. | 13 13 | The Town Clerk. |
| Northolt .. | 174/5 | Lon. | Middlesex .. | 51 33 | 0 25W. | I | m. | — — | Meteorological Office. |
| Northwich (Winning't'n) .. | 249/2 | 7 | Cheshire .. | 53 6 | 2 32W. | II | m. | — — | I.C.I. Ltd. |
| Nottingham .. | 134 | 4 | Nottingham .. | 52 57 | 1 9W. | III | W',W,M. | 30 26 | The City Engineer and Surveyor. |
| Oaken (Codsall) .. | 151/1 | 4 | Staffordshire .. | 52 35 | 2 12W. | III | m. | — — | |
| Oban .. | 52 | 6 | Argyll .. | 56 25 | 5 30W. | II | m. | — — | A. J. Park, Esq., M.C., D.L., J.P. |
| Onich .. | 16 | 0 | Inverness .. | 56 43 | 5 13W. | III | m. | — — | Borough Surveyor. |
| Oswestry .. | 153 | 4 | Shropshire .. | 52 51 | 3 4W. | III | m. | — — | Forestry Commission (Scotland). |
| Oxford (Radcliffe Met. Station) .. | 149 | 4 | Oxford .. | 51 46 | 1 16W. | III | W.M. | 30 30 | Liverpool Corporation Waterworks. |
| Paignton .. | 285 | 8 | Devonshire .. | 50 26 | 3 34W. | III H. | m. | — 26 | The Reader in Climatology. |
| Paisley (Coats Obs'y) .. | 59 | 6 | Renfrew .. | 55 51 | 4 26W. | II A. | μ,M. | 30 30 | The Town Clerk. Observatory Committee (J. Woodrow, F.R.Met. Soc.). |
| Parkend .. | 163/5 | 4 | Gloucester .. | 51 46 | 2 34W. | III C.W. | m. | — — | Forestry Commission. |
| Peebles .. | 46 | 1 | Peebles .. | 55 39 | 3 11W. | III | m. | — — | A. N. Mitchell, Esq. |
| Pembroke Dock .. | 262/5 | 8 | Pembroke .. | 51 42 | 4 57W. | I | M. | — — | Meteorological Office. |
| Pendennis Castle .. | 297 | | | | | | | | Ministry of Works |
| Penicuik .. | 43/6 | 1 | Midlothian .. | 55 50 | 3 13W. | III | m. | — — | Dr. J. T. Baldwin. |
| Penrith (Newton Rigg) .. | 232 | 7 | Cumberland .. | 54 40 | 2 47W. | III C.W. | m. | 30 30 | The Cumberland County Council. |
| Penzance .. | 301 | 8 | Cornwall .. | 50 7 | 5 32W. | III H. | m. | 25 30 | The Town Clerk. |
| Perdiswell .. | 157 | | | | | | | | See Worcester. |
| Perth .. | 34 | 1 | Perth .. | 56 24 | 3 27W. | III | m. | 30 22 | The Town Clerk. |
| Pinner .. | 174/6 | Lon. | Middlesex .. | 51 36 | 0 23W. | III | m. | — — | P. R. Hands, Esq. |
| Plymouth (The Hoe) .. | 286 | 8 | Devonshire .. | 50 22 | 4 8W. | II A. | μ,W,M. | 30 30 | Plymouth City Council (Messrs. G. H. Ivory and Partners.) |
| Point of Ayre (Lighthouse) .. | 287 | 8 | " .. | 50 22 | 4 7W. | I | D,M. | 15 15 | Meteorological Office. |
| Point of Ayre (Light-house) .. | 71/5 | 6 | Isle of Man .. | 54 25 | 4 22W. | S.A. | μ,M. | — — | Northern Lighthouse Board. |
| Pontefract (King's School) .. | 126 | 4 | Yorks. (W.R.) | 53 42 | 1 19W. | III | m. | 10 — | The Headmaster. |
| Poole .. | 274/5 | 8 | Dorset .. | 50 43 | 1 59W. | III H. | m. | — — | The Town Clerk. |
| † Porthcawl .. | 267/5 | 8 | Glamorgan .. | 51 28 | 3 43W. | III | — | — — | The Town Clerk. |
| Portland Bill (Lighthouse) .. | 275 | 8 | Dorset .. | 50 32 | 2 27W. | S. | M. | 5 30 | The Lightkeeper (M.O.). |
| Porton (W.D. Experimental Station) .. | 229 | 5 | Wiltshire .. | 51 7 | 1 42W. | II | m. | 15 13 | The Head of Meteorology Section. |
| Portsmouth .. | 216 | 5 | Hampshire .. | 50 48 | 1 6W. | III H. | W,m. | 25 28 | The Medical Officer of Health. |
| Prestatyn .. | 252/5 | 7 | Flint .. | 53 20 | 3 24W. | III | m. | — — | Urban District Council. |
| Prestwick .. | 65/7 | 6 | Ayrshire .. | 55 30 | 4 37W. | III H. | μ,M. | — — | Burgh Engineer. |
| Prestwick Airport .. | 65/8 | 6 | Ayrshire .. | 55 31 | 4 36W. | I A. | D,M. | — — | Meteorological Office. |
| Princetown .. | 288 | 8 | Devonshire .. | 50 33 | 3 59W. | III | m. | 15 — | The Governor, H.M. Prison (M.O.). |
| Ramsgate .. | 192 | 5 | Kent .. | 51 20 | 1 26E. | III H. | m. | — — | The Borough Engineer. |
| Rattray Head .. | 25 | 1 | Aberdeen .. | 57 37 | 1 50W. | S. | M. | — — | Board of Northern Lighthouses. |
| Raunds (Madison) .. | 141 | 4 | Northampton .. | 52 20 | 0 31W. | III | M. | — — | T. C. Smith, Esq. |
| Reading :- | | | | | | | | | |
| Seed Trial Grounds .. | 209/3 | 5 | Berkshire .. | 51 27 | 0 56W. | III | m _o | — — | Martin A. F. Sutton, Esq. |
| Shinfield Horticultural Station .. | | | | | | | | | |
| University .. | 208 | 5 | Berkshire .. | 51 25 | 0 57W. | III | m. | 15 — | Professor R. H. Stoughton, D.Sc. |
| Redcar .. | 81/5 | 2 | Berkshire .. | 51 27 | 0 58W. | III | m. | 30 — | Professor A. Austin Miller. |
| Regent's Park .. | 173 | | Yorks. (N.R.) | 54 37 | 1 4W. | III | m. | — — | The Town Clerk. |
| Renfrew (Abbotsinch) .. | 60 | 6 | Renfrew .. | 55 52 | 4 24W. | I A. | μ,W,D,M. | 15 15 | See London. |
| Rhayador .. | 265 | 8 | Radnor .. | 52 18 | 3 31W. | III | W,M. | 16 18 | Meteorological Office. |
| Rhyd (Sewage Works) .. | 253 | 7 | Flint .. | 53 19 | 3 29W. | III H. | m. | 25 30 | R. Ashton, Esq. (M.O.) |
| | | | | | | | | | River Roding Catchment Board. |

| Station. | No. | Dist. | County, | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|--|-------|-------|-----------------|-------|---------|-----------------|--------------|-----------------------------------|---|
| | | | | ° N. | ° | | | Temp. Sun- shine. | |
| Ringwood | 216/4 | 5 | Hampshire | 50 51 | 1 44W. | III | m. | — — | Miss M. A. M. Penrose, B.Sc. |
| Rochdale | 244/7 | 7 | Lancashire | 53 38 | 2 10W. | III | m. | — — | The Borough Surveyor. |
| †Romford | 115/7 | 3 | Essex | 51 45 | 0 16E. | III | — | — — | Clerk to the U.D.C. |
| Ronaldsway | 71/6 | 6 | Isle of Man | 54 05 | 4 38W. | I | D.M. | — — | Meteorological Office. |
| Ross-on-Wye | 160 | 4 | Hereford | 51 0 | 2 35W. | S. H. | W,D,M. | 15 21 | F. J. Parsons, Esq. |
| Rothamsted | 109 | | | | | | | | See Harpenden. |
| †Rotherham | 126/5 | 4 | Yorks. (W.R.) | 53 25 | 1 19W. | III | — | — — | L. Atkinson, Esq. |
| Rothesay | 53 | 6 | Bute | 55 50 | 5 2W. | II | W.M. | 30 22 | Bute Natural History Society. |
| †Ruthwell | 70 | 6 | Dumfries | 55 0 | 3 27W. | II | — | 25 26 | M. W. M. McGlassan, Esq. |
| Ryde | 221 | 5 | Isle of Wight | 50 44 | 1 10W. | III H. | m. | 22 22 | Borough of Ryde Publicity Department. |
| Rye | 192/5 | 5 | Kent | 50 58 | 0 48 E. | II A. | μ,m. | — — | Meteorological Office. |
| St. Abb's Head | 45/5 | 1 | Berwick | 55 55 | 2 8W. | S. | M. | — — | Chief Officer, R.N. Signal Station (M.O.). |
| St. Albans (Hertford Inst. of Agric.) | 110 | 3 | Hertford | 51 46 | 0 18W. | III | m. | 10 — | The Principal. |
| St. Andrews | 39 | 1 | Fife | 56 20 | 2 47W. | III | m. | 18 23 | The Burgh Engineer. |
| St. Ann's Head (C. Guard Station) | 263 | 8 | Pembroke | 51 41 | 5 10W. | S. A. | μ,W,D,M. | 15 30 | Station Officer (M.O.). |
| St. Catherine's Point (C. Guard Station) | 221/5 | 5 | Isle of Wight | 50 35 | 1 17W. | S. | m. | — — | Chief Officer, R.N. Signal Station (M.O.). |
| St. Eval | 302/4 | 8 | Cornwall | 50 28 | 4 59W. | I | D,M. | — — | Meteorological Office. |
| St. Helier | 336 | | | | | | | | See Jersey. |
| St. Ives Research Stn. | 118/5 | | | | | | | | See Bingley. |
| St. James's Park | 178 | | | | | | | | See London. |
| St. Mellon (Ellbridge Exp. Stn.) | 295/5 | 8 | Cornwall | 50 27 | 4 15W. | III C.W. | m. | — — | Cornwall Agricultural Executive Committee. |
| †St. Merryn Sandown (Sandham Gardens) | 222 | 5 | Isle of Wight | 50 39 | 1 9W. | III H. | m. | 26 26 | Meteorological Office. |
| Scarborough | 82 | 2 | Yorks. (N.R.) | 54 17 | 0 24W. | III H. | WM. | 25 30 | Medical Officer of Health. |
| Scilly (C. Guard Stn.) | 334 | 8 | Cornwall | 49 56 | 6 18W. | S.H.A. | μ,W,D,M. | 15 30 | Station Officer (M.O.). |
| Seaford | 203 | 5 | Sussex | 50 46 | 0 7E. | III | m. | — — | The Surveyor. |
| †Sellafield (Windscale Works) | 232/1 | 7 | Cumberland | 54 25 | 3 31W. | II A. | — | — — | Ministry of Supply. |
| Shaftesbury (Modern School) | 276 | 8 | Dorset | 51 38 | 2 12W. | III | m. | 30 — | The Headmaster (M.O.). |
| Shanklin (Big Meade) | 221/3 | 5 | Isle of Wight | 50 38 | 1 10W. | III H. | m. | — — | Sandown and Shanklin U.D.C. |
| Shawbury | 153/5 | 4 | Shropshire | 52 48 | 2 41W. | I | D,M. | — — | Meteorological Office. |
| Sheffield (Weston Park) | 127 | 4 | Yorks. (W.R.) | 53 21 | 1 29W. | III | W',m. | 30 30 | The Town Clerk. |
| Shiffield Horticultural Station | 208 | | | | | | | | See Reading. |
| Shipston-on-Stour | 147/4 | 4 | Warwick | 52 4 | 1 42W. | III | m. | — — | A. W. Beecham, Esq. |
| Shoeburyness (New Ranges) | 116 | 3 | Essex | 51 32 | 0 49E. | I A. | μ,W,M. | 15 15 | Meteorological Office. |
| Shrewsbury Monkmore | 154 | 4 | Shropshire | 52 43 | 2 43W. | III H. | M. | 30 — | Medical Officer of Health. |
| Sidmouth | 290 | 8 | Devon | 50 41 | 3 14W. | III | m. | 30 — | The Borough Surveyor. |
| †Silloth | 232/3 | 7 | Cumberland | 54 52 | 3 23W. | I | D,M. | — — | Meteorological Office. |
| Silsoe | 106/5 | 3 | Bedford | 52 1 | 0 25W. | III | — | — — | National Institute of Agricultural Engineering. |
| Sittingbourne | 192/7 | 5 | Kent | 51 19 | 0 45E. | III | m. | — — | Kent Farm Institute. |
| Skegness | 91 | 2 | Lincoln | 53 9 | 0 21E. | III H. | m. | 25 30 | The Surveyor. |
| Southampton | 217 | 5 | Hampshire | 50 54 | 1 24W. | II | W,M. | 30 30 | The Director General of Ordnance Survey. |
| Southend | 117 | 3 | Essex | 51 30 | 0 45E. | III H. | m. | 25 30 | The Corporation (Pier Master). |
| South Farnborough | 218 | 5 | Hampshire | 51 17 | 0 45W. | I A. | μ,M. | 15 22 | Meteorological Office. |
| Southgate | 174/7 | | | | | | | | See London. |
| Southport | 245 | 7 | Lancashire | 53 37 | 3 0W. | II H.A. | μ,W,M. | 30 30 | The Town Clerk. |
| South Shields | 74/5 | 2 | Durham | 55 0 | 1 26W. | A. | μ | — — | Tyne Improvement Commission. |
| Sparkhill | 144 | | | | | | | | See Birmingham. |
| Speke | 245/1 | 7 | Lancashire | 53 20 | 2 53W. | I A. | μ,M. | — — | Meteorological Office. |
| Sprowston (Agric. Stn.) | 95 | 3 | Norfolk | 52 40 | 1 20E. | III C.W. | W',W,m. | 20 20 | The Director. |
| Spurn Head (Lighthse) | 88 | 2 | Yorks. (E.R.) | 53 55 | 0 7E. | S.A. | μ,D,M. | 15 15 | Chief Officer, R.N. Signal Station (M.O.). |
| Squires Gate | 245/3 | | | | | | | | See Blackpool. |
| Starcross | 290/5 | 8 | Devon | 50 38 | 3 27W. | III C.W. | m. | — — | Min. of Agriculture and Fisheries (N.A.A.S.) |
| Stirling (Sauchie House) | 57 | 6 | Stirling | 56 7 | 3 56W. | III | m. | 18 18 | The Sanitary Inspector. |
| Stonehaven | 26 | 1 | Kincardine | 56 58 | 2 12W. | III | m. | — — | The Town Clerk. |
| Stonyhurst (College) | 246 | 7 | Lancashire | 53 51 | 2 28W. | III | W,m. | 30 30 | The Rev. J. Lawrence, S.J. |
| †Stormont | 312/5 | N.I. | Antrim | 51 35 | 5 50W. | (sunsh. only) | — | — — | Government of Northern Ireland. |
| Stornoway (C. Guard Lookout) | 6 | 0 | Hebrides | 58 13 | 6 20W. | S.A. | μ,W,D,M. | 15 30 | Meteorological Office. |
| Strachur (Glenbranter) | 51 | 6 | Argyll | 56 8 | 5 3W. | III | m. | 10 — | Forestry Commission (Scotland). |
| Stratford-on-Avon (Drayton) | 147/5 | 4 | Warwick | 52 11 | 1 44W. | III C.W. | m. | — — | The Director, Grassland Improvement Station. |
| Strathy (Bowside) | 8/5 | 0 | Sutherland | 58 31 | 4 1W. | III | m. | — — | Department of Agriculture for Scotland. |
| †Strelley | 135 | 4 | Nottingham | 52 58 | 1 15W. | III | — | — 30 | Miss Edge. |
| Sutton Bonington | 136 | 4 | Nottingham | 52 50 | 1 15W. | III C.W. | m. | 12 12 | School of Agriculture. |
| Swanage | 276/5 | 8 | Dorset | 50 37 | 1 57W. | III H. | m. | — — | The Clerk to the Council. |
| Swansea (Victoria Park) | 268 | 8 | Glamorgan | 51 38 | 3 56W. | III | m. | 23 26 | The Clerk to the Corporation. |
| Tangmere | 203/5 | 5 | Sussex | 50 51 | 0 43W. | I | M. | — — | Meteorological Office. |
| Tarbat Ness | 7 | 0 | Ross & Cromarty | 57 52 | 3 46W. | S. | D,M. | — — | Northern Lighthouse Board. |
| Tavistock | 291 | 8 | Devon | 50 33 | 4 10W. | III | m. | 24 — | The Clerk to the U.D.C. |
| Teignmouth (Den Gardens) | 292 | 8 | Devon | 50 32 | 3 29W. | III H. | m. | 15 30 | G. F. Rossiter, Esq. |

| Station. | No. | Dist. | County. | Lat. | Long. | Classification. | Publication. | Averages (number of years). | Authority. |
|--|-------|-------|-------------------|-------|--------|-----------------|----------------------------|-----------------------------------|--|
| Tenby (The Priory) .. | 264 | 8 | Pembroke .. | 51 40 | 4 42W. | III | m. | 17 30 | The Clerk to the Borough Council. |
| †Terrington St. Clement | 95/3 | 3 | Norfolk .. | 52 45 | 0 18E. | III C.W. | — | — — | Experimental Husbandry Farm |
| Thetford (Lynford Hall) | 95/5 | 3 | Norfolk .. | 52 29 | 0 43E. | III C.W. | m. | — — | Forestry Commission. |
| Thorney Island .. | 203/7 | 5 | Sussex .. | 50 51 | 0 43W. | A. | μ | — — | Meteorological Office. |
| Tiree .. | 54 | 6 | Argyll .. | 56 30 | 6 53W. | S.A. | μ, W,D,M. | 10 17 | Meteorological Office. |
| Tongland .. | 70/6 | 6 | Kirkcudbright .. | 54 52 | 4 2W. | III | m. | — — | Galloway Water Power Co. |
| Torquay .. | 293 | 8 | Devon .. | 50 28 | 3 31W. | III H. | m. | 25 30 | The Town Clerk. |
| Totnes .. | 293/3 | 8 | Devon .. | 50 27 | 3 43W. | II | m. | — — | J. Hamshire, Esq. |
| †Tredegar .. | 269/8 | 8 | Monmouth .. | 51 46 | 3 15W. | III | — | — — | The Sanitary and Food Inspector. |
| †Troon .. | 66 | 6 | Ayrshire .. | 55 32 | 4 40W. | III | — | — — | The Town Council (M. S. Brodie, Esq., C.E.). |
| Tunbridge Wells (Calverley Park) .. | 193 | 5 | Kent .. | 51 8 | 0 16E. | III H. | M. | 31 30 | Medical Officer of Health. |
| Turnberry (Hotel) .. | 67 | 6 | Ayrshire .. | 53 19 | 4 50W. | III | m. | 22 26 | The Hotels Executive. |
| Turnhouse .. | 43/1 | 1 | Midlothian .. | 55 57 | 3 21W. | I | M. | — — | Meteorological Office. |
| Tynemouth (C. Guard Station) .. | 75 | 2 | Northumberland .. | 55 1 | 1 25W. | S.H. | W', D,M. m _o | 15 — | Station Officer (M.O.). |
| Tynemouth .. | 75 | 2 | " .. | 55 1 | 1 25W. | (sunsh. only) | — | — — | Entertainments and Publicity Officer. |
| Ushaw (College) .. | 79 | 2 | Durham .. | 54 47 | 1 39W. | II | m. | 30 — | The President. |
| Usk .. | 270 | 8 | Monmouth .. | 51 42 | 2 55W. | III C.W. | m. | 11 11 | Monmouthshire Institute of Agriculture. |
| Valley .. | 255 | 7 | Anglesey .. | 53 16 | 4 32W. | I H. | D,M. | — — | Meteorological Office. |
| †Ventnor (R. Nat. Hospital) .. | 224 | 5 | Isle of Wight .. | 50 35 | 1 12W. | II | M. | 30 30 | The Medical Superintendent. |
| Ventnor (Park) .. | 224/5 | 5 | Isle of Wight .. | 50 36 | 1 13W. | III H. | — | — — | The Engineer and Surveyor. |
| Waddington .. | 91/3 | 2 | Lincoln .. | 53 10 | 0 31W. | I | M. | — — | Meteorological Office. |
| Wakefield .. | 128 | 4 | Yorks. (W.R.) .. | 53 40 | 1 30W. | III | m. | 25 20 | The Corporation. |
| Wallasey .. | 250 | 7 | Cheshire .. | 53 26 | 3 4W. | III H. | m. | — — | The Medical Officer of Health. |
| †Walsall .. | 151/4 | 4 | Stafford .. | 52 36 | 1 59W. | III | — | — — | J. C. W. Day, Esq. |
| Walton-on-Naze .. | 118 | 3 | Essex .. | 51 51 | 1 16E. | III H. | m. | 15 20 | The Engineer and Surveyor. |
| Watnall .. | 137 | 4 | Nottingham .. | 53 01 | 1 15W. | I | D,M. | — — | Meteorological Office. |
| Wealdstone .. | 177/7 | | | | | | | | See London. |
| Welshpool (County School) .. | 259 | 7 | Montgomery .. | 52 39 | 3 8W. | III | m. | 24 — | The Headmaster. |
| West Bromwich .. | 151/5 | 4 | Stafford .. | 52 31 | 1 59W. | III | m. | — — | H. E. Howle, Esq., F.R. Met. Soc. |
| West Freugh .. | 70/8 | 6 | Wigtown .. | 54 51 | 4 57W. | I | D,M. | — — | Meteorological Office. |
| West Kirby .. | 251 | 7 | Cheshire .. | 53 23 | 3 11W. | III | m. | 10 10 | The Rev. Canon Eric F. Robson. |
| †West Kirby Park .. | 251/1 | 7 | Cheshire .. | 53 23 | 3 11W. | III | — | 28 — | Hoylake U.D.C. |
| West Lavington .. | 229/7 | 5 | Wilts. .. | 51 17 | 1 59W. | III | m. | — — | The Headmaster, Dauntsey's School. |
| West Linton .. | 47 | 1 | Peebles .. | 55 45 | 3 21W. | III | m. | — — | Dr. R. Graham Youll. |
| West Malling .. | 193/2 | 5 | Kent .. | 51 17 | 0 24E. | I | M. | — — | Meteorological Office. |
| Westminster:— | | | | | | | | | See London. |
| St. James's Park .. | 178 | | | | | | | | The Medical Officer of Health. |
| Weston-super-Mare .. | 273/5 | 8 | Somerset .. | 51 21 | 2 59W. | III H. | m. | 30 30 | Meteorological Office. |
| West Raynham .. | 96/5 | 3 | Norfolk .. | 52 47 | 0 44E. | I | D,M. | — — | The Town Clerk. |
| Weymouth (Westham) .. | 277 | 8 | Dorset .. | 50 36 | 2 27W. | III H. | m. | 25 30 | The Superintendent. |
| Whipsnade Park .. | 106/8 | 3 | Bedford .. | 51 52 | 0 33W. | III | m. | — — | The Park Superintendent. |
| Whitby .. | 83 | 2 | Yorks. (N.R.) .. | 54 29 | 0 37W. | III | m. | — — | The Surveyor and Water Engineer. |
| Whitstable .. | 193/5 | 5 | Kent .. | 51 22 | 1 2E. | III H. | m. | — — | See Manchester. |
| Whitworth Park .. | 241 | | | | | | | | Station Officer (M.O.). |
| Wick (C. Guard Stn.) .. | 8 | 0 | Caithness .. | 58 27 | 3 5W. | S. | M,W,D. | 15 — | The Principal. |
| †Widdicombe on the Moor (Hedge Barton) .. | 294 | 8 | Devon .. | 50 45 | 3 45W. | III | — | — — | See Gorleston. |
| Wilmington .. | 193/7 | 5 | Kent .. | 51 23 | 0 11E. | III | m. | — — | Meteorological Office. |
| Wirksworth .. | 131/5 | 4 | Derbyshire .. | 53 5 | 1 34W. | III | — | — — | See Bifleet. |
| Wisley .. | 181 | | | | | | | | Meteorological Office. |
| Wittering .. | 142 | 4 | Northants. .. | 52 37 | 0 28W. | I | M. | — — | Lawes Agricultural Trust. |
| Woburn .. | 107 | 3 | Bedford .. | 52 1 | 0 35W. | III C.W. | m. | 30 30 | The Instructor in Horticulture. |
| Worcester (Perdiswell) .. | 157 | 4 | Worcester .. | 52 13 | 2 13W. | III C.W. | m. | 10 — | The Medical Officer of Health. |
| Worthing .. | 205 | 5 | Sussex .. | 50 49 | 0 22W. | III H. | m. | 30 30 | S. E. Ashmore, Esq. |
| Wrexham .. | 256/8 | 7 | Denbigh .. | 50 3 | 2 59W. | III | m. | — — | Essex Institute of Agriculture. |
| Writtle .. | 118/2 | 3 | Essex .. | 51 44 | 0 26E. | III C.W. | m. | — — | |
| Wye (S.E. Agric. College) .. | 194 | 5 | Kent .. | 51 11 | 0 57E. | III C.W. | m. | 11 11 | |
| Yarmouth .. | 96 | | | | | | | | |
| Yeovilton .. | 273/7 | 8 | Somerset .. | 51 0 | 2 5W. | III | m. | — — | |
| York:— | | | | | | | | | |
| Bootham School .. | 84/5 | 2 | Yorkshire .. | 53 57 | 1 5W. | (sunsh. only) | m _o | — 30 | The Senior Science Master. |
| Museum .. | 84 | 2 | Yorkshire .. | 53 57 | 1 5W. | III | W', W,M. | 30 30 | The Yorkshire Philosophical Society (Dr. W. L. Collinge, F.L.S.). |

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THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1950



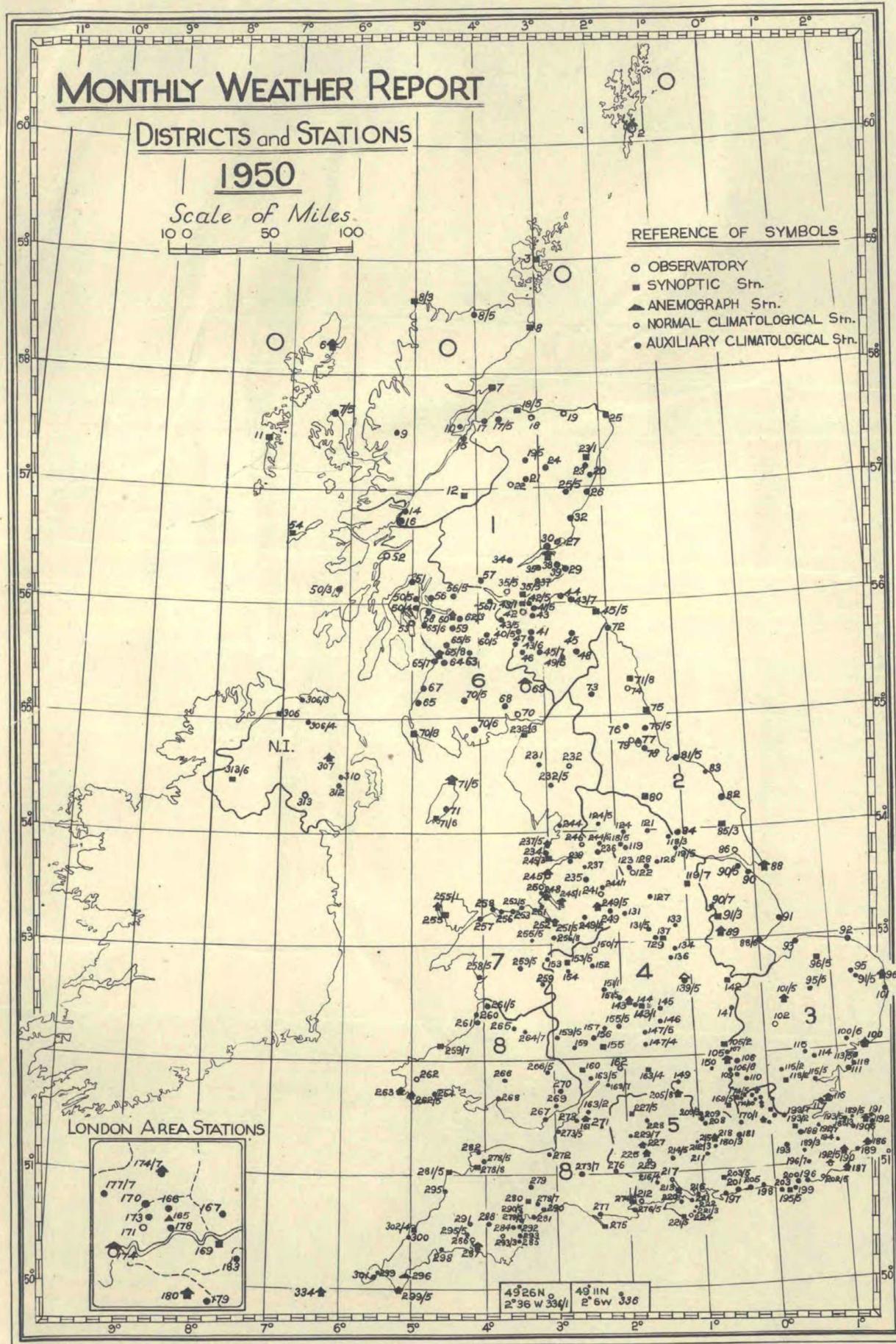
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INTRODUCTION

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a resumé of observations from stations in the British Isles, and takes the place of the summaries printed up to the end of 1907 in Parts II and III of the annual volumes of "Observations at Stations of the Second Order" as well as the former "Monthly Summary" to the Weekly Weather Report. Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*.

On the establishment of a meteorological service in the Irish Republic in April, 1937, the climatological stations in that country came under the control of the Director of that Service, but climatological records for the Irish Republic were received and published up to the end of 1940. The isopleths on the maps of pressure, temperature and sunshine in this volume have been extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin.

In January, 1945, changes were made in the times of observation and in the terminal hours at certain stations, and in January, 1949, the new codes and specifications used at synoptic stations were brought into use. The Table of *Weekly Values of Mean Velocities of Wind Components* at selected stations ceased to be published in 1949.

INFORMATION FOR PREVIOUS YEARS

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for 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.

GENERAL ARRANGEMENTS OF THE REPORT

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

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

b.—Table I.—Summaries for the Districts of the temperature of the air, of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the "district value" stations. In the absence of data for the Irish Republic, Guernsey and Jersey it became necessary in 1940 to replace Districts 9 and 10 by "Northern Ireland" and to replace District 11 by data for Scilly only. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations and of the stations used in computing the district values of earth temperature is shown on page iv. The method of computation is explained in the "Notes on Tables I to IV" printed with the Annual Summary.

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

All the records are obtained from instruments of the pressure-tube type.

d.—A plate of four maps showing :—

- i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. : also the average distribution of pressure at 9 h. for the month for the period 1901-1930.
- ii. The movements of depressions.
- 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 means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations and of cloud and fog by day at Greenwich.

h.—Table III (b).—Direct solar radiation and intensity of daylight at Kew Obsy. and Kingsway (as from Sept.).

i.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table. At certain stations the hours of observation were changed from 0, 6, 12 and 18h. to 3, 9, 15 and 21h. in January, 1945.

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 ground frost, i.e., minimum temperature on the grass 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

The positions of the stations are shown in the Frontispiece.

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published last year. Only changes to that list, i.e., additions and deletions, are being published this year, see p. viii. The stations printed in italics send in satisfactory 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 printed on p. viii the alphabetical order is adopted, the latitude and longitude of each station being given.

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

- O. Observatories.—These stations maintain continuous records of all meteorological elements and are staffed by Meteorological Office personnel.
- I. Synoptic Stations.—The observations from these stations are primarily used in preparing synoptic charts for weather forecasting but climatological returns for 3 h., 9 h., 15 h. and 21 h. G.M.T. and in certain cases for additional hours, are also made.
 - Ia. Manned by Meteorological Office personnel.
 - Ib. Manned by coastguards, lighthouse keepers or others whose occupations enable them to make meteorological observations at all hours.
- II. Normal Climatological Stations.—These stations contribute daily observations at least twice a day, generally at 9 h. and 21 h. G.M.T. of pressure, temperature (wet- and dry-bulb), wind, amount of cloud and weather, with the daily maximum and minimum of temperature, the daily rainfall and remarks on the weather. Observations of the range of visibility and records of sunshine are commonly made at these stations also.
- III. Auxiliary Climatological Stations.—Daily observations similar to those of a normal climatological station are made once a day only, at 9 h. G.M.T.
- II. C.W. ; III C.W. Crop Weather 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 and Fisheries and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.
- II. H ; III H. 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.
- A. Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

The publications for which the returns are prepared are indicated by the following letters in the "Introduction 1949" :—

- | | |
|---|--|
| D. Daily Weather Report. Full Return. | m. Monthly Weather Report. Table III, not Table IV. |
| W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature. (Last volume published is that for 1938-39). | μ . Monthly Weather Report. Wind Velocity. |
| w. Weekly Weather Report. Sunshine only. | m. Monthly Weather Report. Sunshine only. |
| W'. Registrar-General's Weekly Summary. | O. The Observatories' Year Book.—This publication contains hourly values of meteorological and magnetic elements, diurnal inequalities for magnetism and for atmospheric electricity, absolute observations of magnetism and atmospheric electricity, seismological tables, upper air data, etc. (Last volume published is that for 1937). |
| M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather); and Table IV (Pressure, humidity, &c.). | |

DISTRICT VALUE STATIONS, 1950

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

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

| Dist. | STATION | ELEMENT | Dist. | STATION | ELEMENT | Dist. | STATION | ELEMENT |
|-------|-----------------|------------|-------|--------------------|------------|---------------------|-------------------|------------|
| 0 | Fort William .. | TR - - S | 4 | Birmingham .. | TR - - S | 8 | Bath .. | TR E1 E4 S |
| | Inverness .. | TR - - S | | Bradford .. | - E1 E4 - | | Cardiff .. | - E1 E4 - |
| | Wick .. | TR - - - | | Buxton .. | - E1 E4 - | | Cullompton .. | TR E1 - S |
| | Lerwick .. | TR - - S | | Harrogate .. | TR E1 E4 S | | Falmouth .. | TR E1 E4 S |
| | Stornoway .. | TR - - S | | Huddersfield .. | - E1 E4 - | | Ifracombe .. | - E1 E4 - |
| 1 | Craibstone .. | TR - - S | 5 | Nottingham .. | TR E1 E4 S | NORTHERN IRELAND | Plymouth .. | - E1 - - |
| | Dundee .. | TR - - S | | Oxford .. | TR - - S | | Rhylader .. | TR - - S |
| | Edinburgh .. | TR - - S | | Ross-on-Wye .. | TR - - S | | St. Ann's Head .. | TR - - S |
| | Marchmont .. | R - - S | | Sheffield .. | - E1 E4 - | | Swansea .. | - E1 E4 - |
| | Nairn .. | TR - - S | | Bournemouth .. | - E1 E4 - | | | |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Hastings .. | TR E1 E4 S | NORTHERN IRELAND | Aldergrove .. | TR - - S |
| | Eskdalemuir .. | TR - - S | | Camden Square .. | - E1 E4 - | | Armagh .. | TR E1 E4 S |
| | Tiree .. | TR - - S | | Kew Obs. .. | TR E1 E4 S | | Moneydig .. | TR - - - |
| | Renfrew .. | TR - - S | | Margate .. | TR E1 E4 S | | Hillsborough .. | - - - S |
| | Rothesay .. | TR E1 E4 S | | Marlborough .. | TR - - S | | | |
| 2 | Cockle Park .. | TR E1 E4 S | 7 | Southampton .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Tunbridge Wells .. | - E1 - - | | | |
| | Durham .. | TR - - S | | Wisley .. | - E1 E4 - | | | |
| | Hull .. | - E1 E4 - | | Bidston .. | TR - - S | | | |
| | Scarborough .. | TR - - S | | Bolton .. | - E1 E4 - | | | |
| 3 | York .. | TR E1 E4 S | | Burnley .. | - E1 E4 - | | | |
| | Cambridge .. | TR E1 E4 S | | Darwen .. | - - - E4 - | | | |
| | Shoeburyness .. | TR - - S | | Holyhead .. | TR - - S | | | |
| | Lowestoft .. | - E1 E4 - | | Keswick .. | TR - - S | | | |
| | Sproxton .. | TR - - S | | Southport .. | TR E1 E4 S | | | |
| | Rothamsted .. | TR - - S | | Stonyhurst .. | TR - - S | | | |
| | Gorleston .. | TR E1 E4 S | | | | | | |

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

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

ADDITIONAL RECORDS AVAILABLE FOR 1950

Details of some additional records received for 1950 which are not summarised in the Monthly Weather Report —

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

| | Hours | | Hours | | Hours | | Hours |
|---------------|-----------------|--------------|-----------------|---------------|----------------------------|---------------------|-----------------|
| Aberporth | 0, 3, 6, 12, 18 | Feltham | .. 0, 6, 12, 18 | Northolt | 0, 3, 6, 9, 12, 15, 18, 21 | South Farnborough | 0, 6, 12, 18 |
| Boscombe Down | 0, 6, 12, 18 | Gorleston | .. 0, 6, 12, 18 | Point of Ayre | .. 0, 6, 12, 18 | Spurn Head | .. 0, 6, 12, 18 |
| Bristol | .. 0, 6, 12, 18 | Larkhill | .. 0, 6, 12, 18 | Portland Bill | .. 0, 6, 12, 18 | St. Ann's Head | .. 0, 6, 12, 18 |
| Calshot | .. 0, 6, 12, 18 | Lizard | .. 0, 6, 12, 18 | Porton | .. 0, 6, 12, 18 | St. Catherine's Pt. | .. 9, 15, 18 |
| Chivenor | .. 0, 6, 12, 18 | Llandow | .. 0, 6, 12, 18 | Ringway | .. 0, 6, 12, 18 | Tangmere | .. 0, 6, 12, 18 |
| Croydon | .. 0, 6, 12, 18 | Lympne | .. 0, 6, 12, 18 | Ronaldsway | .. 0, 6, 12, 18 | Tynemouth | .. 0, 6, 12, 18 |
| Defford | .. 0, 6, 12, 18 | Lynham | .. 0, 6, 12, 18 | Ross on Wye | .. 0, 6, 12, 18 | Waddington | .. 0, 6, 12, 18 |
| Driffield | .. 0, 6, 12, 18 | Manton | .. 0, 6, 12, 18 | Sellafield | .. 9, 12, 15 | West Malling | .. 0, 6, 12, 18 |
| Edgbaston | .. 0, 6, 12, 18 | Mildenhall | .. 0, 6, 12, 18 | Shawbury | .. 0, 6, 12, 18 | | |
| Exeter | .. 0, 6, 12, 18 | Mount Batten | .. 0, 6, 12, 18 | | | | |

(b) For certain stations hourly tabulations for 1950 are available of wind force and direction, rainfall duration and amount, and duration of sunshine, and the list is given below where W, R, and S stand for hourly values of wind, rainfall and sunshine :

| | | | |
|-----------------------------|--------------------------|----------------------------|-------------------------------------|
| Aberporth W, S, R | Duffield R | Leuchars W, S, R | Shoeburyness W |
| Abingdon W, R | Dungeness W* (Jan.-Aug.) | Linton-on-Ouse W | Silloth R, S (July-Dec.) |
| Acklington S, R | Dunstable W | Little Rissington S, R | South Farmboro' W, S, R |
| Aldergrove W, S, R | Dyce S, R | Lizard W* | Southgate W |
| Armagh R* | Eskdalemuir W, S, R | Long Ashton W | Southport W* |
| Aust W* | Exeter S, R | Lympne W, S, R | South Cerney R |
| Ballykelly S, R | Falmouth W, S, R* | Manchester (R'way) W, S, R | South Shields W |
| Beachley W* | Felixstowe W, S, R | Manston W, S, R | Speke W, S |
| Bell Rock W | Feltham (L.A.P.) R | Mildenhall W, S, R | Spurn Head W* |
| Benson S, R | Finningley R | Millport R | Squires Gate S, R |
| Birmingham (E'baston) W | Fleetwood W* | Mount Batten S, R | Stevenage (Mossbury) W |
| Birmingham (Elmdon) S | Hampton W | Paisley W | Tangmere S, R |
| Boscombe Down W, S, R | Hawarden S, R | Pembroke Dock R | Thorney Is. W |
| Bristol S, R | Harwell W | Pendennis W* | Tiree W |
| Calshot W, S, R | Hatston S, R | Plymouth W | Turnhouse (Airpt.) R, S (Mar.-Dec.) |
| Cardington W* | Holyhead W, S, R | Prestwick W, S, R | Valley S |
| Castle Archdale S, R | Hornby S, R | Renfrew W, S, R | Waddington S, R |
| Chivenor S, R | Horsham St. Faith R | Ronaldsway S, R | Watnall S, R |
| Church Fenton S, R | Keswick R | Rothamsted S | West Freugh R |
| Cottesmore R, S (July-Dec.) | Kew W, S, R | St. Ann's Head W* | West Malling S, R |
| Cranfield S, R | Kingsway W | St. Eval R | West Raynham S, R |
| Cranwell W, R | Knebworth (Stevenage) R | Scilly W* | Wick R |
| Croydon W, S, R | Leeming S, R | Sellafield W, S | Wittering S, R (Jan.-May) |
| Defford S, R | Leicester W* | Shawbury R | |
| Dover W* | Lerwick W, S | | |

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

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

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 9h. G.M.T. for period 1901-1930 and have been "weighted" where necessary.

Temperature and Sunshine (Table III).—The averages in nearly all cases refer to periods of from 10 to 30 years ending 1935. The length of the period for each station is shown in the appropriate column of the List of Stations. Differences from averages of less than 30 years are printed in italics in the M.W.R.

The averages are given in the following publications :—

- (1) Averages of Temperature for the British Isles for periods ending 1935 (M.O. 407).
- (2) Averages of Bright Sunshine for the British Isles for periods ending 1935 (M.O. 408).

Earth Temperatures 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME

British Summer Time was in force from April 16 to Oct. 22 ; 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.

SEA TEMPERATURE

Returns of sea temperature are received by the Meteorological Office from certain ships, lightships and coast stations. The mean temperature of the seas round the British Isles for the months of the year 1950 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.

MONTHLY WEATHER REPORT, 1950, LIST OF STATIONS—ADDITIONS AND DELETIONS

(a) Additions.

(b) Deletions.

| Station | No. | Dist. | County | Lat. | Long. | Classification | Publication | Averages (number of years) | Authority |
|---|-------|-------|----------------|-----------------|---------|----------------|-------------|----------------------------------|---|
| (a) <i>Boxworth</i> .. | 101/8 | 3 | Cambridge | 52° N. 1° W. | 0° 1W. | III C.W. | — | Temp. Sun- shine. | Farm Director. |
| <i>Cambridge (N.I.A.B.)</i> .. | 104 | 3 | Cambridge | 52° 13' | 0° 6E. | III C.W. | — | — — | Director. |
| <i>Chipping Ongar (Fyfield)</i> .. | 115/7 | 3 | Essex | 51° 45' | 0° 16E. | III | — | — — | River Roding Catchment Board. |
| <i>Colishall</i> .. | 91/8 | 3 | Norfolk | 52° 46' | 1° 21E. | I | — | — — | Meteorological Office. |
| <i>Dover (R.M.S.)</i> .. | 186/5 | 5 | Kent .. | 51° 7' | 1° 19E. | III | — | — — | Royal Military School (Headmaster) |
| <i>Fernhurst</i> .. | 199/5 | 5 | Sussex | 51° 2' | 0° 43W. | III | — | — — | Plant Protection Ltd. |
| <i>Holwood</i> .. | 312/3 | N.I. | Down | 54° 39' | 5° 49W. | II | — | — — | Trevor Boyd, Esq. |
| <i>Horley</i> .. | 180/7 | 5 | Surrey | 51° 10' | 0° 7W. | III | — | — — | Worth Park Nurseries (F. M. Gurteen, Esq.) |
| <i>Kielder Castle</i> .. | 74/5 | 2 | Northumberland | 55° 14' | 2° 34W. | III | — | — — | Forestry Commission. |
| <i>Leicester (Towers Hospital)</i> .. | 138 | 4 | Leicester | 52° 39' | 1° 5W. | III | — | — — | Management Committee. |
| <i>Luddington</i> .. | 146/5 | 4 | Warwick | 52° 10' | 1° 46W. | III C.W. | — | — — | Farm Director. |
| <i>Mickleham (Juniper Hall)</i> .. | 181/3 | 5 | Surrey | 51° 16' | 0° 19W. | III | — | — — | Council for the Promotion of Field Studies. |
| <i>Preston (Moor Park)</i> .. | 244/6 | 7 | Lancashire | 53° 46' | 2° 42W. | III | — | — — | Jeremiah Horrocks, Esq. |
| <i>Preston Wynne</i> .. | 159/7 | 4 | Hereford | 52° 7' | 2° 30W. | III C.W. | — | — — | Farm Director. |
| <i>Ramsey</i> .. | 71/3 | 6 | Isle of Man | 54° 19' | 4° 24W. | III | — | — — | Grammar School (Deputy Headmaster). |
| <i>Silpho Moor</i> .. | 82/5 | 2 | Yorks. N.R. | 54° 20' | 0° 31W. | III | — | — — | Forestry Commission |
| <i>Throwley</i> .. | 192/8 | 5 | Kent .. | 51° 14' | 0° 51E. | III C.W. | — | — — | Thomas Neame Ltd. |
| <i>Trawscoed</i> .. | 261/6 | 8 | Cardigan | 52° 21' | 3° 57W. | III C.W. | — | — — | Farm Director. |
| <i>Wellesbourne</i> .. | 148 | 4 | Warwick | 52° 4' | 1° 36W. | III C.W. | — | — — | Nat. Vegetable Res. Stn. (Director). |

(b) Beachy Head, Chadacre, Elmstone, Haughly, Stormont, Wittering.

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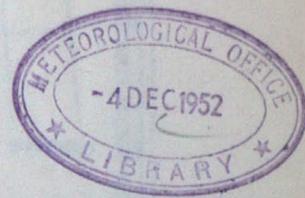
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AIR MINISTRY
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M.O. 549



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THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1951



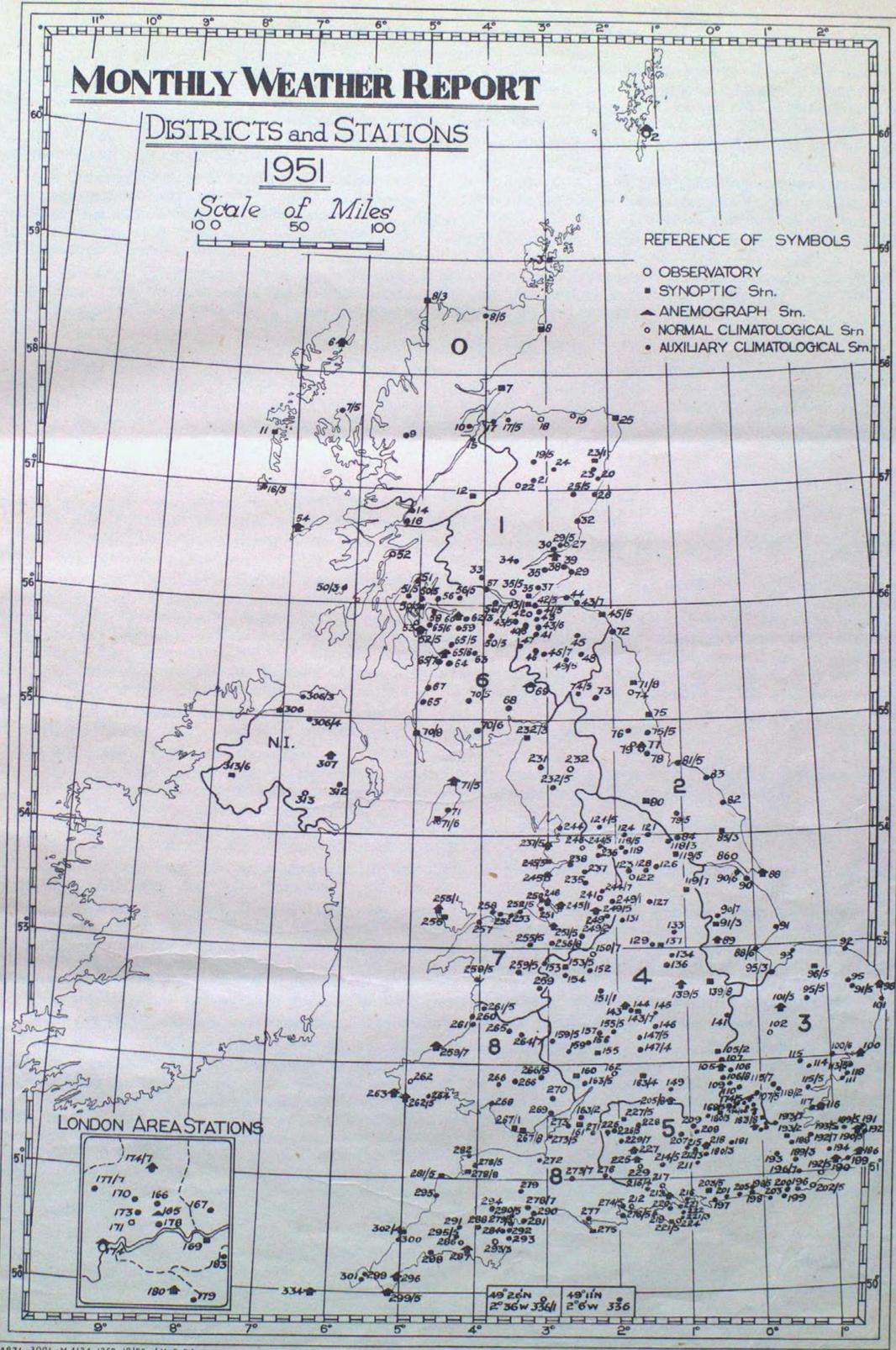
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INTRODUCTION

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a resumé of observations from stations in the British Isles, and takes the place of the summaries printed up to the end of 1907 in Parts II and III of the annual volumes of "Observations at Stations of the Second Order" as well as the former "Monthly Summary" to the Weekly Weather Report. Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*.

On the establishment of a meteorological service in the Irish Republic in April, 1937, the climatological stations in that country came under the control of the Director of that Service, but climatological records for the Irish Republic were received and published up to the end of 1940. The isopleths on the maps of pressure, temperature and sunshine in this volume have been extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin.

In January, 1945, changes were made in the times of observation and in the terminal hours at certain stations, and in January, 1949, the new codes and specifications used at synoptic stations were brought into use. The Table of *Weekly Values of Mean Velocities of Wind Components* at selected stations ceased to be published in 1949.

INFORMATION FOR PREVIOUS YEARS

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for 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.

GENERAL ARRANGEMENTS OF THE REPORT

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

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

b.—Table I.—Summaries for the Districts of the temperature of the air, of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the "district value" stations. In the absence of data for the Irish Republic, Guernsey and Jersey it became necessary in 1940 to replace Districts 9 and 10 by "Northern Ireland" and to replace District 11 by data for Scilly only. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations and of the stations used in computing the district values of earth temperature is shown on page iv. The method of computation is explained in the "Notes on Tables I to IV" printed with the Annual Summary.

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

All the records are obtained from instruments of the pressure-tube type.

d.—A plate of four maps showing :—

- i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. : also the average distribution of pressure at 9 h. for the month for the period 1901-1930.
- ii. The movements of depressions.
- 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 means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations and of cloud and fog by day at Greenwich.

h.—Table III (b).—Direct solar radiation and intensity of daylight at Kew Obsy. and Kingsway

i.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table. At certain stations the hours of observation were changed from 0, 6, 12 and 18 h. to 3, 9, 15 and 21 h. in January, 1945.

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 ground frost, i.e., minimum temperature on the grass 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

The positions of the stations are shown in the Frontispiece.

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published in 1949. Only changes to that list, i.e., additions and deletions, are being published this year, see p. viii. The stations printed in italics send in satisfactory 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 printed on p. viii the alphabetical order is adopted, the latitude and longitude of each station being given.

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

- O. Observatories.—These stations maintain continuous records of all meteorological elements and are staffed by Meteorological Office personnel.
- I. Synoptic Stations.—The observations from these stations are primarily used in preparing synoptic charts for weather forecasting but climatological returns for 3 h., 9 h., 15 h. and 21 h. G.M.T. and in certain cases for additional hours, are also made.
 - Ia. Manned by Meteorological Office personnel.
 - Ib. Manned by coastguards, lighthouse keepers or others whose occupations enable them to make meteorological observations at all hours.
- II. Normal Climatological Stations.—These stations contribute daily observations at least twice a day, generally at 9 h. and 21 h. G.M.T. of pressure, temperature (wet- and dry-bulb), wind, amount of cloud and weather, with the daily maximum and minimum of temperature, the daily rainfall and remarks on the weather. Observations of the range of visibility and records of sunshine are commonly made at these stations also.
- III. Auxiliary Climatological Stations.—Daily observations similar to those of a normal climatological station are made once a day only, at 9 h. G.M.T.
- II. C.W.; III C.W. Crop Weather 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 and Fisheries and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.
- II. H; III H. 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.
- A. Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

The publications for which the returns are prepared are indicated by the following letters in the "Introduction 1949" :—

- D. Daily Weather Report. Full Return.
- W. Weekly Weather Report. Temperature, rainfall, in most cases sunshine, and in some cases ground temperature. (Last volume published is that for 1938-39).
- w. Weekly Weather Report. Sunshine only.
- W'. Registrar-General's Weekly Summary.
- M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather); and Table IV (Pressure, humidity, &c.).
- m. Monthly Weather Report. Table III, not Table IV.
- μ. Monthly Weather Report. Wind Velocity.
- m_o. Monthly Weather Report. Sunshine only.
- O. The Observatories' Year Book.—This publication contains hourly values of meteorological and magnetic elements, diurnal inequalities for magnetism and for atmospheric electricity, absolute observations of magnetism and atmospheric electricity, seismological tables, upper air data, etc. (Last volume published is that for 1937).

DISTRICT VALUE STATIONS, 1951

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

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

| DIST. | STATION | ELEMENT | DIST. | STATION | ELEMENT | DIST. | STATION | ELEMENT |
|-------|------------------|------------|-------|--------------------|------------|-------|-------------------|------------|
| 0 | Fort William .. | TR - - S | 4 | Birmingham .. | TR - - S | 8 | Bath .. | TR E1 E4 S |
| | Inverness .. | TR - - S | | Bradford .. | - E1 E4 - | | Cardiff .. | - E1 E4 - |
| | Wick .. | TR - - - | | Buxton .. | - E1 E4 - | | Cullompton .. | TR E1 - S |
| | Lerwick .. | TR - - S | | Harrogate .. | TR E1 E4 S | | Falmouth .. | TR E1 E4 S |
| | Stornoway .. | T- - - S | | Huddersfield .. | - E1 E4 - | | Ilfracombe .. | - E1 E4 - |
| 1 | Craibstone .. | TR - - S | | Nottingham .. | TR E1 E4 S | | Plymouth .. | - E1 - |
| | Dundee .. | TR - - S | | Oxford .. | TR - - S | | Rhayader .. | TR - - S |
| | Edinburgh .. | TR - - S | | Ross-on-Wye .. | TR - - S | | St. Ann's Head .. | TR - - S |
| | *Marchmont .. | TR - - S | | Sheffield .. | - E1 E4 - | | Swansea .. | - E1 E4 - |
| | Nairn .. | TR - - S | | | | | | |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Bournemouth .. | - E1 E4 - | | | |
| | Eskdalemuir .. | TR - - S | | Hastings .. | TR E1 E4 S | | | |
| | Tiree .. | TR - - S | | Camden Square .. | - E1 E4 - | | | |
| | Renfrew .. | TR - - S | | Kew Obs. .. | TR E1 E4 S | | | |
| | Rothesay .. | TR E1 E4 S | | Margate .. | TR E1 E4 S | | | |
| 2 | Cockle Park .. | TR E1 E4 S | | Marlborough .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Southampton .. | TR - - S | | | |
| | Durham .. | TR - - S | | Tunbridge Wells .. | - E1 - | | | |
| | Hull .. | - E1 E4 - | | Wisley .. | - E1 E4 - | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |
| 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | TR - - S | | | |
| | Shoebury Ness .. | TR - - S | | Bolton .. | - E1 E4 - | | | |
| | Lowestoft .. | - E1 E4 - | | Burnley .. | - E1 E4 - | | | |
| | Sprawston .. | TR - - S | | Darwen .. | - E4 - | | | |
| | Rothamsted .. | TR - - S | | Holyhead .. | TR - - S | | | |
| | Gorleston .. | TR E1 E4 S | | Keswick .. | TR - - S | | | |

* T as from May

† Ceased after August

‡ Ceased after June

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

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

ADDITIONAL RECORDS AVAILABLE FOR 1951

Details of some additional records received for 1951 which are not summarised in the Monthly Weather Report —

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

| | <i>Hours</i> | | <i>Hours</i> | | <i>Hours</i> |
|---------------|------------------|------------|--------------------|---------------|-----------------|
| Aberporth | 0, 3, 6, 12, 18 | Exeter | 0, 6, 12, 18 | Mount Batten | .. 0, 6, 12, 18 |
| Boscombe Down | 0, 6, 12, 18 | Feltham | 0, 6, 12, 18 | Northolt | .. 3, 9, 15, 21 |
| Bristol | .. 0, 6, 12, 18 | Gorleston | 0, 6, 12, 18 | Point of Ayre | .. 0, 6, 12, 18 |
| Calshot | .. 0, 6, 12, 18 | Larkhill | 0, 6, 12, 18 | Portland Bill | .. 0, 6, 12, 18 |
| Chivenor | .. 0, 6, 12, 18 | Lizard | 0, 6, 12, 18 | Porton | 9, 15 |
| Croydon | .. 0, 6, 12, 18 | Llandow | 0, 6, 12, 18 | Ringway | .. 0, 6, 12, 18 |
| Defford | .. 0, 6, 12, 18 | Lympne | 0, 6, 12, 18 | Ronaldsway | .. 0, 6, 12, 18 |
| Driffield | .. 0, 6, 12, 18 | Manston | 0, 6, 12, 18 | Ross on Wye | .. 6, 12, 18 |
| Edgbaston | .. 6, 12, 15, 18 | Mildenhall | 0, 6, 12, 18 | Sellafield | .. 9, 12, 15 |
| | | | | | |

(b) For certain stations hourly tabulations for 1951 are available of wind force and direction, rainfall duration and amount, and duration of sunshine, and the list is given below where W, R, and S stand for hourly values of wind, rainfall and sunshine :

| | | | |
|-----------------------------|-------------------------|--|--------------------------------------|
| Aberporth W, R, S | Dyce R, S | Little Rissington R, S | Sellafield W, S |
| Abingdon W, R | Eskdalemuir W, R, S | Lizard W* | Shawbury R |
| Acklington R, S | Exeter R, S | Long Ashton W | Shoeburyness W |
| Aldergrove W, R, S | Falmouth S | Lympne W, R, S | Sillot R, S |
| Armagh R | Felixstowe W, R, S | Lyneham R | South Cerney R |
| Aust W* (Jan./July) | Feltham (L. Airport) R | Manchester (R'way) W, R, S | South Farnborough W, R, S |
| Ballykelly R, S (Jan./June) | Finningley R | Manston W, R, S | Southgate W |
| Beachley W* | Fleetwood W* | Mildenhall W, R, S | Southport W* |
| Bell Rock W | Gorleston W* | Middleton St. George R, S (Sept./Dec.) | South Shields W |
| Benson R, S | Hampton W | Millport W | Speke W, S |
| Birmingham (E'baston) W | Harrowell W (Jan./Oct.) | Milford Haven W (June/Dec.) | Squires Gate R, S |
| Birmingham (Elmdon) R, S | Hatston R, S | Mossbury (Stevenage) W | Stevenage (Knebworth) R |
| Boscombe Down W, R, S | Hawarden W, R, S | Mount Batten R, S | Stevenage (Morsbury) W |
| Bristol R, S | Holyhead W, R, S | Paisley W | Stornoway W |
| Calshot W, R, S | Honiley R, S | Pembroke Dock R | Tangmere R, S |
| Cardington W*, S | Horsham St. Faith R | Pendennis W* | Thorney Island W |
| Castle Archdale R, S | Keswick R | Plymouth W | Tiree W |
| Chivenor R, S | Kew W, R, S | Point of Ayre W* | Turnhouse (Airport) R, S (Jan./June) |
| Church Fenton R, S | Kingsway W | Prestwick W, R, S | Valley S |
| Cottesmore R, S | Knebworth (Stevenage) R | Renfrew W, R, S | Waddington R, S |
| Cranfield R, S | Kete W* | Ringway (Manchester) R, S | Watnall R, S |
| Cranwell W, R | Kinloss R, S | Ronaldsway R, S | West Freugh R |
| Croydon W, R, S | Leeming R, S | Rothamsted S | West Malling R, S |
| Defford R, S | Leicester W* | St. Ann's Head W* (Jan./June) | West Raynham R, S |
| Dishforth R, S (Oct./Dec.) | Lerwick W, S | St. Eval R | Wick R |
| Dover W* | Leuchars W, R, S | Scilly W* | Windermere Ferry, W |
| Driffield R | Linton-on-Ouse W | | |
| Dunstable W | | | |

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

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

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 9h. G.M.T. for period 1901-1930 and have been "weighted" where necessary.

Temperature and Sunshine (Table III).—The averages in nearly all cases refer to periods of from 10 to 30 years ending 1935. The length of the period for each station is shown in the appropriate column of the List of Stations. Differences from averages of less than 30 years are underlined in the M.W.R. and shown in italics in the Annual Summary and Introduction to the M.W.R.

The averages are given in the following publications :—

- (1) Averages of Temperature for the British Isles for periods ending 1935 (M.O. 407).
- (2) Averages of Bright Sunshine for the British Isles for periods ending 1935 (M.O. 408).

Earth Temperatures 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME

British Summer Time was in force from April 15 to Oct. 21 : 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.

SEA TEMPERATURE

Returns of sea temperature are received by the Meteorological Office from certain ships, lightships and coast stations. The mean temperature of the seas round the British Isles for the months of the year 1951 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.

MONTHLY WEATHER REPORT, 1951—TABLE IV—ADDITIONS AND CORRECTIONS

| MONTH | PAGE | STATION | 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 | Vapour Pressure | Rel. Humidity | Mean Amount | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 34 or more | 6 | 4 | 1 | 0 | 3 | 10 | 6 | 8 | 2 | | | | | | |
| January | 12 | Spurn Head | GMT. 3 ft. 57 mb. 1005.1 | mb. — | °F 37.3 | °F 0.6 | mb. 7.1 | % 94 | 5 6 | 2 | 4 | 6 | 3 | 14 | 2 | 2 | 0 | 0 | 1 | 2 | 4 | 21 | 1 | 0 | 0 | 0 | 0 | 3 | 10 | 6 | 8 | 2 | | | |
| " | 12 | " | 15 57 1005.4 | 1 1 1 | 40.5 | 1.4 | 7.5 | 88 | 5 6 | 1 | 4 | 9 | 5 | 10 | 2 | 1 | 0 | 0 | 1 | 4 | 10 | 3 | 2 | 0 | 0 | 2 | 11 | 14 | 4 | 6 | 11 | 0 | | | |
| February | 30 | Speke | 21 85 | 9 85 | 49.4 | 8.1 | 82 | | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| March | 46 | " | 15 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June | 94 | " | 9 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| July | 108 | Shoeburyness | 15 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| August | 111 | Castle A'dale | 15 156 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| September | 124 | Leeming | 9 109 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| October | 140 | Pembroke Dock | 9 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| November | 174 | Man. Whit. P. | 9 127 | 1001.3 | -11 | 347.9 | 1.7 | 9.8 | 86 | 7.3 | 0 | 0 | 3 | 8 | 19 | 0 | — | — | — | — | — | — | — | — | 0 | 0 | 1 | 25 | 4 | 1 | 3 | 4 | 16 | 2 | |
| " | 174 | Pembroke Dock | 21 127 | 1001.2 | — | 46.9 | 2.4 | 9.0 | 81 | 6.6 | 3 | 0 | 0 | 3 | 5 | 18 | 1 | — | — | — | — | — | — | — | 0 | 0 | 5 | 21 | 4 | 2 | 0 | 1 | 3 | 5 | 3 |
| December | 174 | " | 3 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 174 | " | 9 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 174 | " | 15 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 190 | " | 3 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 190 | " | 15 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 190 | " | 15 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Annual | 206 | " | 3 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 206 | " | 9 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " | 206 | " | 15 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONTHLY WEATHER REPORT, 1951, LIST OF STATIONS—ADDITIONS AND DELETIONS

(a) Additions.

(b) Deletions.

(c) (d) Amendments.

| Station | No. | Dist. | County | Lat. | Long. | Classification | Publication | Averages (number of years) | Authority |
|----------------------------------|-------|-------|--------------------|--------------|---------|----------------|-------------|-------------------------------|---|
| (a) Bayfordbury .. | 107/3 | 3 | Hertfordshire | 51 °N 46' | 00 05W. | III C.W. | — | Temp. Sun-shine. | The Curator. |
| Bedford (Queen's Park) .. | 104/8 | 3 | Bedfordshire | 52 08 | 00 30W. | II | — | — | J. K. Rothwell, Esq. |
| Carnoustie .. | 29/5 | 1 | Angus .. | 56 30 | 02 42W. | III | m | — | Burgh Surveyor. |
| Cawood (Stockbridge Ho.) .. | 127/3 | 4 | Yorkshire .. | 53 50 | 01 08W. | III C.W. | — | — | The Farm Director, Exp. Hort. Station. |
| Chesterfield School .. | 131/1 | 4 | Derbyshire .. | 53 14 | 01 25W. | III | — | — | C. H. Clay, Esq., B.A. |
| Cheviot Hills (Sourhope) .. | 49/8 | 1 | Roxburgh .. | 55 29 | 02 15W. | III C.W. | — | — | The Farm's Director. |
| Coatbridge .. | 61 | 6 | Lanark .. | 55 51 | 04 03W. | III | — | — | The Sewage Works Manager. |
| Dishforth .. | 79/7 | 2 | Yorkshire .. | 54 08 | 01 25W. | I | — | — | Meteorological Office. |
| Fort Augustus .. | 13 | 0 | Inverness-shire .. | 57 08 | 04 40W. | III | — | — | The Procurator. |
| Gillingham .. | 189/2 | 5 | Kent .. | 51 23 | 00 34W. | III | — | — | The Borough Engineer. |
| Glenmore Lodge .. | 14/5 | 0 | Inverness-shire .. | 57 10 | 03 42W. | T. | — | — | The Director of Field Studies. |
| High Mowthorpe .. | 85/5 | 2 | Yorks. (E.R.) | 54 06 | 00 38W. | III C.W. | — | — | The Farm Director, Exp. Husbandry Farm. |
| Inverness (Cameron Barracks) .. | 15/3 | 0 | Inverness-shire .. | | | III | — | — | The Officer Commanding. |
| Keele .. | 150/5 | 4 | Staffordshire .. | 53 00 | 02 16W. | II | — | — | Univ. of N. Stafford (Prof. of Geography). |
| Kinloss .. | 18/3 | 1 | Moray .. | 57 39 | 03 34W. | I | — | — | Meteorological Office. |
| Kirkham .. | 239 | 7 | Lancashire .. | 53 48 | 02 53W. | III C.W. | — | — | The Station Director, Exp. Hort. Station. |
| Llandaff .. | 267/1 | 8 | Glamorgan .. | 51 26 | 03 30W. | I | — | — | Meteorological Office. |
| Loch Fyne (Lephinmore) .. | 51/5 | 6 | Argyll .. | 56 05 | 05 15W. | III C.W. | m | — | West of Scotland Agricultural College. |
| Lundin Links .. | 38/3 | 1 | Fife .. | 56 13 | 02 57W. | III | — | — | Hon. Treasurer, Largs Improvement Assocn. |
| Manby .. | 90/8 | 2 | Lincolnshire .. | 53 21 | 00 05E. | I | — | — | Meteorological Office. |
| Marham .. | 93/5 | 3 | Norfolk .. | 52 39 | 00 34E. | I | — | — | Meteorological Office. |
| Middleton-St.-George .. | 78/2 | 2 | Durham .. | 54 30 | 01 25W. | I | — | — | Meteorological Office. |
| Milford Haven .. | 262/3 | 8 | Pembrokeshire .. | 51 43 | 05 02W. | III | — | — | Murex Ltd. |
| Muchalls .. | 25/7 | 1 | Kincardine .. | 57 01 | 02 10W. | III | — | — | North of Scotland College of Agriculture. |
| Rugby (Lawrence Sheriff Sch.) .. | 147/1 | 4 | Warwickshire .. | 52 22 | 01 16W. | II | — | — | G. H. Thompson, Esq., F.R.Met.S. |
| Ruscombe .. | 163/7 | 4 | Gloucestershire .. | 51 46 | 02 15W. | III | — | — | B. D. Parkin, Esq. |
| St. Athan .. | 267/8 | 8 | Glamorgan .. | 51 25 | 03 25W. | I | — | — | Meteorological Office. |
| Skallary .. | 16/3 | 0 | Inverness-shire .. | 56 58 | 07 26W. | III | m | — | A. F. Smith, Esq. |
| Skokholm Island .. | 263/5 | 8 | Pembrokeshire .. | 51 42 | 05 16W. | III | — | — | Council for the Promotion of Field Studies. |
| West Hartlepools .. | 79/2 | 2 | Durham .. | 54 41 | 01 12W. | III | — | — | H. Lamb, Esq. |
| Winchester .. | 218/3 | 5 | Hampshire .. | 53 44 | 00 02E. | III | — | — | Medical Officer of Health. |
| Withernsea .. | 88/5 | 2 | Yorks. (E.R.) | 53 44 | 00 02E. | III | — | — | Surveyor to the Council. |

(b) Baltasound.

(c) The following stations previously listed are now published in the Monthly Weather Report :—
 Ampleforth, Callander, Cheshunt, Chichester (Birdham), Chipping Ongar (Fyfield), Corsham, Dartford, Douai Abbey, Farnham, Freshwater, Kielder Castle, Kirkcaldy, Lacock, Lincoln, Mellor, Millport, Silloth, Terrington St. Clement.

(d) The following stations are not published, although returns are received :—
 Aylesbury, Farnham (Rowledge), Hawarden Bridge, Lisburn, Lossiemouth, Paignton, Ventnor (Park).

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M.O. 557



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THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1952



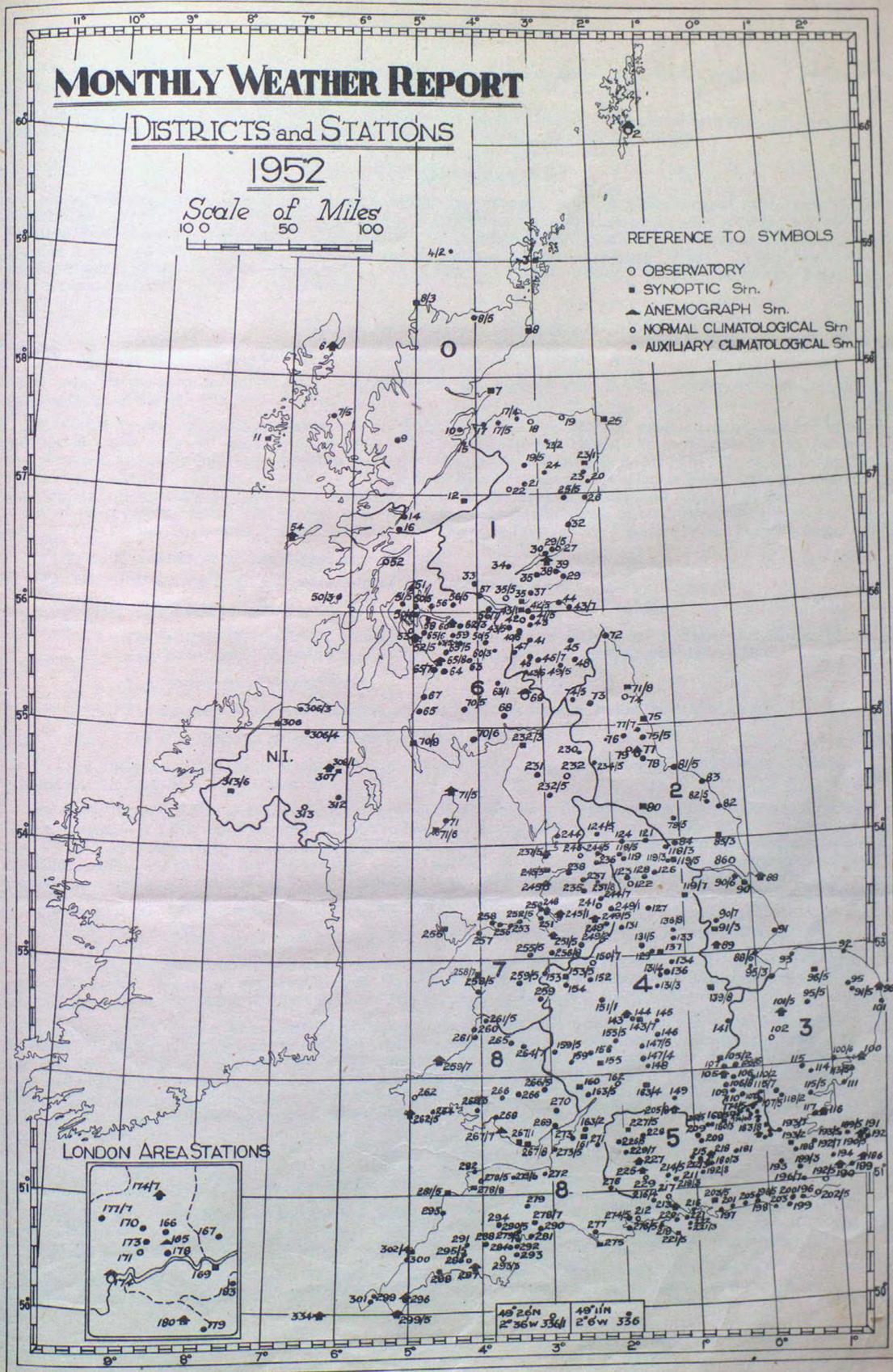
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1953

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43A



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, temperature and sunshine 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 connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for 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.

GENERAL ARRANGEMENTS OF THE REPORT

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

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

b.—Table I.—Summaries for the Districts of the temperature of the air, of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the "district value" stations. In the absence of data for the Irish Republic, Guernsey and Jersey it became necessary in 1940 to replace Districts 9 and 10 by "Northern Ireland" and to replace District 11 by data for Scilly only. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations and of the stations used in computing the district values of earth temperature is shown on page iv. The method of computation is explained in the "Notes on Tables I to IV" printed in each Monthly issue.

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

All the records are obtained from instruments of the pressure-tube type.

d.—A plate of four maps showing :—

- i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. : also the average distribution of pressure at 9 h. for the month for the period 1901-1930.
- ii. The movements of depressions.
- 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 means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations.

h.—Table III (b).—Direct solar radiation at Kew Obsy. and intensity of daylight at Kew Obsy. and Kingsway.

i.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table. At certain stations the hours of observation were changed from 0, 6, 12 and 18h. to 3, 9, 15 and 21h. in January, 1945.

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 ground frost, i.e., minimum temperature on the grass 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

The positions of the stations are shown in the Frontispiece.

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published in 1949. Only changes to that list, i.e., additions and deletions, are being published this year, see p. viii. The stations printed in italics send in satisfactory 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 printed on p. viii the alphabetical order is adopted, the latitude and longitude of each station being given.

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

- O. Observatories.—These stations maintain continuous records of all meteorological elements and are staffed by Meteorological Office personnel.
- I. Synoptic Stations.—The observations from these stations are primarily used in preparing synoptic charts for weather forecasting but climatological returns for 3 h., 9 h., 15 h. and 21 h. G.M.T. and in certain cases for additional hours, are also made.
 - Ia. Manned by Meteorological Office personnel.
 - Ib. Auxiliary Synoptic Stations manned by coastguards, lighthouse keepers or others whose occupations enable them to make meteorological observations at all hours.
- II. Normal Climatological Stations.—These stations contribute daily observations at least twice a day, generally at 9 h. and 21 h. G.M.T., of pressure, temperature (wet- and dry-bulb), wind, amount of cloud and weather, with the daily maximum and minimum of temperature, the daily rainfall and remarks on the weather. Observations of the range of visibility and records of sunshine are commonly made at these stations also.
- III. Auxiliary Climatological Stations.—Daily observations similar to those of a normal climatological station are made once a day only, at 9 h. G.M.T.
- II. C.W. ; III C.W. Crop Weather 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 and Fisheries and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.
- II. H ; III H. 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.
- A. Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

DISTRICT VALUE STATIONS, 1952

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 .. | - E1 E4 - | | Cardiff .. | - E1 E4 - |
| | Wick .. | TR - - - | | Buxton .. | - E1 E4 - | | Cullompton .. | TR E1 - S |
| | Lerwick .. | TR - - S | | Harrogate .. | TR E1 E4 S | | Falmouth .. | TR E1 E4 S |
| | Stornoway .. | T- - - S | | Huddersfield .. | - E1 E4 - | | Ifracombe .. | - E1 E4 - |
| 1 | Craibstone .. | TR - - S | 5 | Nottingham .. | TR E1 E4 S | NORTHERN IRELAND | Plymouth .. | - E1 - |
| | Dundee .. | TR - - S | | Oxford .. | TR - - S | | Rhayader .. | TR - - S |
| | Edinburgh .. | TR - - S | | Ross-on-Wye .. | TR - - S | | Cardiff .. | TR - - S |
| | Marchmont .. | TR - - S | | Sheffield .. | - E1 E4 - | | Swansea .. | - E1 E4 - |
| | Nairn .. | TR - - S | | *Bournemouth .. | - E1 E4 - | | | |
| | | | | Hastings .. | TR E1 E4 S | | | |
| 6 | Dumfries .. | TR E1 E4 S | | Camden Square .. | - E1 E4 - | | Aldergrove .. | TR - - S |
| | Eskdalemuir .. | TR - - S | | Kew Obs. .. | TR E1 E4 S | | Armagh .. | TR E1 E4 S |
| | Tiree .. | TR - - S | | Margate .. | TR E1 E4 S | | Moneydig .. | TR - - S |
| | Renfrew .. | TR - - S | | Marlborough .. | TR - - S | | Hillsborough .. | TR - - S |
| | Rothesay .. | TR E1 E4 S | | Southampton .. | TR - - S | | | |
| 2 | Cockle Park .. | TR E1 E4 S | | Tunbridge Wells .. | - E1 - | | | |
| | Cranwell .. | TR - - S | | Witney .. | - E1 E4 - | | | |
| | Durham .. | TR - - S | | | | | | |
| | Hull .. | - E1 E4 - | | | | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |
| 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | TR - - S | | | |
| | Shoeburyness .. | TR - - S | | Bolton .. | - E1 E4 - | | | |
| | Woburn .. | - E1 E4 - | | Burnley .. | - E1 E4 - | | | |
| | Sprawston .. | TR - - S | | Darwen .. | - - E4 - | | | |
| | Rothamsted .. | TR - - S | | Llandudno .. | TR - - S | | | |
| | Gorleston .. | TR E1 E4 S | | Keswick .. | TR - - S | | | |
| | | | | Southport .. | TR E1 E4 S | | | |
| | | | | Stonyhurst .. | TR - - S | | | |

* E1 ceased after April, E4 ceased after October

† As from June

ADDITIONAL RECORDS AVAILABLE FOR 1952

Details of some additional records received for 1952 which are not summarised in the Monthly Weather Report —

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

| | <i>Hours</i> | | <i>Hours</i> | | <i>Hours</i> | | <i>Hours</i> |
|-----------------|-----------------|-----------|------------------|---------------|-----------------|---------------------|-----------------|
| Aberporth | 0, 3, 6, 12, 18 | Edgbaston | .. 6, 12, 15, 18 | Mildenhall | .. 0, 6, 12, 18 | Shawbury | .. 0, 6, 12, 18 |
| Blackbushe | .. 3, 9, 15, 21 | Exeter | .. 0, 6, 12, 18 | Mount Batten | .. 0, 6, 12, 18 | South Farnborough | 0, 6, 12, 18 |
| Boscombe Down | 0, 6, 12, 18 | Feltham | .. 0, 6, 12, 18 | Northolt | .. 9, 15, 21 | Spurn Head | .. 0, 6, 12, 18 |
| Bristol | .. 0, 6, 12, 18 | Gorleston | .. 0, 6, 12, 18 | Point of Ayre | .. 0, 6, 12, 18 | St. Catherine's Pt. | 9, 15, 18 |
| Calshot | .. 0, 6, 12, 18 | Harlech | .. 9, 15, 21 | Portland Bill | .. 0, 6, 12, 18 | Stansted Airport | 9, 15 |
| Chivenor | .. 0, 6, 12, 18 | Hurn | .. 3, 9, 15, 21 | Porton | .. 9, 15 | Tangmere | .. 0, 6, 12, 18 |
| Croydon | .. 0, 6, 12, 18 | Larkhill | .. 12 | Ringway | .. 0, 6, 12, 18 | Tynemouth | .. 0, 6, 12, 18 |
| Defford | .. 0, 6, 12, 18 | Llandow | .. 0, 6, 12, 18 | Ronaldsway | .. 0, 6, 12, 18 | Waddington | .. 0, 6, 12, 18 |
| Driffield | .. 0, 6, 12, 18 | Lympne | .. 0, 6, 12, 18 | Ross on Wye | .. 6, 12, 18 | West Malling | .. 0, 6, 12, 18 |
| Eastbourne C.G. | 9, 15, 21 | Manston | .. 0, 6, 12, 18 | Sellafield | .. 9, 12, 15 | | |

(b) For certain stations hourly tabulations for 1952 are available of wind force and direction, rainfall duration and amount, and duration of sunshine, and the list is given below where W, R, and S stand for hourly values of wind, rainfall and sunshine :

| | | | |
|--------------------------|-----------------------------|----------------------------|---------------------------|
| Aberporth W, R, S | Dyce W, R, S | Lizard W* | Sellafield W, S |
| Abingdon W, R | Edgbaston (Birmingham) W | London Airport (Feltham) R | Shawbury R |
| Acklington R, S | Elmdon (Birmingham) R, S | Long Ashton W | Shoeburness W |
| Aldergrove W, R, S | Eskdalemuir W, R, S | Lympne W, R, S | Silloth R, S |
| Armagh R | Exeter, R, S | Lymeham R, S | South Cerney R |
| Avonmouth W (Feb./Dec.) | Falmouth S | Manchester (Ringway) R, S | South Farnborough W, R, S |
| Beachley W (Jan./Aug.) | Felixstowe W, R, S | Manston W*, R, S | Southgate W |
| Bell Rock W | Feltham (London Airport) R | Middleton St. George R, S | Southport W* |
| Benson R, S | Finningley R | Mildenhall W, R, S | South Shields W |
| Birmingham (Edgbaston) W | Fleetwood W* | Milford Haven W | Speke W, S |
| Birmingham (Elmdon) R, S | Gorleston W* | Millport W | Squires Gate R, S |
| Boscombe Down W, R, S | Grimsetter R, S | Mossbury (Stevenage) W | Stevenage (Knebworth) R |
| Bristol R, S | Hampton W | Mount Batten R, S | Stevenage (Mossbury) W |
| Calshot W, R, S | Hawarden W, R, S | Manby R | Tangmere R, S |
| Cardington W*, S | Holyhead (Jan./Oct.) W | Marham R | Thorney Island W |
| Castle Archdale R, S | Honiley R, S | Pembroke Dock R | Tiree W |
| Chivenor R, S | Horsham St. Faith R | Pendennis Castle W* | Turnhouse R, S |
| Church Fenton R, S | Keswick R | Plymouth Hoe W | Valley W, R, S |
| Cottesmore R, S | Kete W* | Point of Ayre W* | Waddington R, S |
| Cranfield R, S | Kinloss R, S | Port Talbot (May/Dec.) W | Watnall R, S |
| Cranwell W, R | Kingsway W | Prestwick W, R, S | West Freugh R, S |
| Croydon W, R, S | Knebworth (Stevenage) R | Renfrew W, R, S | West Malling R, S |
| Defford R, S | Leeming (Jan./Mar.) R, S | Ringway (Manchester) R, S | West Raynham R, S |
| Dishforth R, S | Lerwick W, S | Ronaldsway R, S | Wick R |
| Dover W* | Leuchars W, R, S | Rothamsted S | Windermere Ferry W |
| Driffield R | Linton-on-Ouse (Jan./May) W | St. Eval R | |
| Dunstable W | Little Rissington R, S | Scilly Is. (St. Mary's) W* | |

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

The list of stations for which daily analyses of wind force and direction are available appears in Table II.

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 9h. G.M.T. for period 1901-1930 and have been “weighted” where necessary.

Temperature and Sunshine (Table III).—The averages in nearly all cases refer to periods of from 10 to 30 years ending 1935. The length of the period for each station is shown in the appropriate column of the List of Stations. Differences from averages of less than 30 years are underlined in the M.W.R. and shown in italics in the Annual Summary and Introduction to the M.W.R.

The averages are given in the following publications :—

- (1) Averages of Temperature for the British Isles for periods ending 1935 (M.O. 407).
- (2) Averages of Bright Sunshine for the British Isles for periods ending 1935 (M.O. 408).

Earth Temperatures 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME

British Summer Time was in force from April 20 to Oct. 26 ; 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.

SEA TEMPERATURE

Returns of sea temperature are received by the Meteorological Office from certain ships, lightships and coast stations. The mean temperature of the seas round the British Isles for the months of the year 1952 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.

MONTHLY WEATHER REPORT, 1952—TABLE IV—ADDITIONS AND CORRECTIONS

MONTHLY WEATHER REPORT, 1952, LIST OF STATIONS—ADDITIONS AND DELETIONS

(a) Additions.

(b) Deletions.

| Station | No. | Dist. | County | Lat. | Long. | Classification | Publication | Averages (number of years) | Authority |
|---------------------------------------|-------|-------|----------------|---------|---------|----------------|-------------|----------------------------------|--|
| (a) <i>Avonmouth</i> .. | 160/5 | 4 | Gloucester .. | 51° 30' | 02° 43W | III | — | — — | Temp. Sun- shine. |
| <i>Belfast (Nutt's Corner)</i> .. | 308/1 | N.I. | Antrim .. | 54° 38' | 06° 09W | Ia | — | — — | The Haven Master. |
| <i>Blackbushe</i> .. | 211/5 | 5 | Hampshire .. | 51° 19' | 00° 51W | Ia | — | — — | Meteorological Officer. |
| <i>Bramham</i> .. | 119/2 | 4 | Yorks. (W.R.) | 53° 25' | 01° 20W | III C.W. | — | — — | Meteorological Officer. |
| <i>Bridlington</i> .. | 85 | 2 | Yorks. (E.R.) | 54° 06' | 00° 12W | III | — | — — | Professor of Agriculture, Leeds University. |
| <i>Broadstairs</i> .. | 182/5 | 5 | Kent .. | 51° 21' | 01° 27E | III | — | — — | The Borough Water Engineer. |
| <i>Camborne (Rosewarne)</i> .. | 295/3 | 8b | Cornwall .. | 50° 13' | 05° 18W | III C.W. | — | — — | The Engineer and Surveyor. |
| <i>Cardington</i> .. | 105/1 | 3 | Bedford .. | 52° 07' | 00° 25W | IIIA | — | — — | The Director, Exp. Hort. Station. |
| <i>Carnwath</i> .. | 60/3 | 6a | Lanark .. | 55° 42' | 03° 38W | III | — | — — | Meteorological Officer. |
| <i>Chapel-en-le-Frith</i> .. | 131/2 | 4 | Derby .. | 53° 20' | 01° 55W | III | — | — — | S. F. Macdonald Lockhart, Esq. |
| <i>Chittlehampton</i> .. | 278/9 | 8b | Devon .. | 51° 01' | 03° 57W | III | — | — — | The Works Chemist, Ferodo Ltd. |
| <i>East Bergholt</i> .. | 99 | 3 | Suffolk .. | 51° 57' | 01° 02E | III | — | — — | C. J. Malet, Esq. |
| <i>Elgin Cemetery</i> .. | 17/4 | 1 | Moray .. | 57° 38' | 03° 18W | III | — | — — | Flatford Mill Field Centre. |
| <i>Fyfield</i> .. | 115/7 | 3 | Essex .. | 51° 45' | 00° 16E | III | — | — — | The Town Clerk. |
| <i>Gateshead</i> .. | 77/7 | 2 | Durham .. | 54° 57' | 01° 35W | III | — | — — | The Catchment Board Engineer. |
| <i>Greenwich (M. Museum)</i> .. | 169/1 | 5 | London .. | 51° 29' | 00° 00 | III | — | — — | The Medical Officer of Health. |
| <i>Harlech</i> .. | 258/7 | 7b | Merioneth .. | 52° 52' | 04° 04W | Ib | — | — — | The Director. |
| <i>Helmsiore</i> .. | 237/8 | 7a | Lancashire .. | 53° 41' | 02° 20W | III C.W. | — | — — | E. H. Price, Esq. |
| <i>Henstridge</i> .. | 272/7 | 8b | Somerset .. | 50° 59' | 02° 21W | III | — | — — | The Farm Director. |
| <i>Hunty</i> .. | 23/2 | 1 | Aberdeen .. | 57° 27' | 02° 47W | III | — | — — | Meteorological Officer, R.N.A.S. |
| <i>Hurley</i> .. | 207/5 | 5 | Berkshire .. | 51° 32' | 00° 49W | III C.W. | — | — — | W. Eddie, Esq. |
| <i>Moor House (Dulton)</i> .. | 234/5 | 7a | Westmorland .. | 54° 41' | 02° 23W | III | — | — — | Director, Grassland Research Stn. |
| <i>Morley</i> .. | 131/3 | 4 | Derby .. | 52° 47' | 01° 25W | III C.W. | — | — — | The Nature Conservancy. |
| <i>Newport (Cleppa Park)</i> .. | 268/7 | 8a | Monmouth .. | 51° 33' | 03° 02W | III C.W. | — | — — | The Warden, Derbyshire Farm Inst. |
| <i>Port Talbot</i> .. | 267/7 | 8a | Glamorgan .. | 51° 34' | 03° 45W | III | — | — — | Officer-in-Charge, Exp. Hort. Station. |
| <i>Sanderstead</i> .. | 180/9 | 5 | Surrey .. | 51° 20' | 00° 05W | III | — | — — | The Steel Company of Wales. |
| <i>Sedlescombe</i> .. | 203/1 | 5 | Sussex .. | 50° 56' | 00° 31E | III | — | — — | M. J. Rawlinson, Esq. |
| <i>Shardlow Hall</i> .. | 131/4 | 4 | Derby .. | 52° 52' | 01° 21W | III C.W. | — | — — | Revd. G. N. Martin. |
| <i>Stansted</i> .. | 110/2 | 3 | Essex .. | 51° 53' | 00° 13E | Ia | — | — — | A. Roebuck, Esq., N.A.S. |
| <i>Sule Skerry</i> .. | 4/2 | 0 | Orkney .. | 59° 05' | 04° 25W | Ib | — | — — | Meteorological Officer. |
| <i>Thorntonhall</i> .. | 63/5 | 6a | Lanark .. | 55° 45' | 04° 15W | III | — | — — | Comms. Northern Light House Bd. |
| <i>Urswick</i> .. | 246/5 | 7a | Lancashire .. | 54° 09' | 03° 07W | III | — | — — | Officer-in-Charge, D.S.I.R., Bldg. Res. Stn. |
| <i>Warsop (Gladthorpe)</i> .. | 136/8 | 4 | Nottingham .. | 53° 13' | 01° 07W | III C.W. | — | — — | Revd. M. D. Grieve |
| <i>Wellingborough</i> .. | 142 | 4 | Northampton .. | 52° 18' | 00° 41W | III | — | — — | The Farm Director. |
| <i>Worcester (Redhill)</i> .. | 158 | 4 | Worcester .. | 52° 10' | 02° 10W | III C.W. | — | — — | L. G. Cottingham, Esq. |
| | | | | | | | | | County Agricultural Officer. |

(b) Balfour, Handsworth (B'ham), Hereford, Lossiemouth, Skallary.

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THE MONTHLY WEATHER REPORT
THE
MONTHLY WEATHER REPORT
FOR THE YEAR

1953



LONDON

HER MAJESTY'S STATIONERY OFFICE

1954

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INTRODUCTION

The Monthly Weather Report gives a résumé 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, temperature and sunshine 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 connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for 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.

GENERAL ARRANGEMENTS OF THE REPORT

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

a.—General remarks on the Weather over the British 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. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations and of the stations used in computing the district values of earth temperature is shown on page iv. The method of computation is explained in the "Notes on Tables I to IV" printed in each Monthly issue.

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

All the records are obtained from instruments of the pressure-tube type.

d.—A plate of four maps showing :—

i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. : also the average distribution of pressure at 9 h. for the month for the period 1901-1930.

ii. The movements of depressions.

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 means of isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,000 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations.

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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 ground frost, i.e., minimum temperature on the grass 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published in 1949. Only changes to that list, i.e., additions and deletions, are being published this year, see p. viii. The stations printed in italics send in monthly returns but the values do not appear in the report.

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

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- III. Auxiliary Climatological Stations.—Daily observations similar to those of a normal climatological station are made once a day only, at 9 h. G.M.T.
- II. C.W. ; III C.W. Crop Weather 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 and Fisheries and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.
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- A. Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

DISTRICT VALUE STATIONS, 1953

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 .. | - E1 E4 - | | Cardiff .. | TR E1 E4 S |
| | Wick .. | TR - - - | | Buxton .. | - E1 E4 - | | Cullompton .. | TR E1 - S |
| | Lerwick .. | TR - - S | | *Harrogate .. | TR E1 E4 S | | Falmouth .. | TR E1 E4 S |
| | Stornoway .. | T- - - S | | Huddersfield .. | - E1 E4 - | | Iffracombe .. | - E1 E4 - |
| 1 | Craibstone .. | TR - - S | 5 | Nottingham .. | TR E1 E4 S | NORTHERN IRELAND | Plymouth .. | - E1 - - |
| | Dundee .. | TR - - S | | Oxford .. | TR - - S | | Rhayader .. | TR - - S |
| | Edinburgh .. | TR - - S | | Ross-on-Wye .. | TR - - S | | Swansea .. | - E1 E4 - |
| | Marchmont .. | TR - - S | | Sheffield .. | - E1 E4 - | | | |
| | Nairn .. | TR - - S | | Hastings .. | TR E1 E4 S | | | |
| | Dumfries .. | TR E1 E4 S | | Camden Square .. | - E1 E4 - | | | |
| 6 | Eskdalemuir .. | TR - - S | 5 | Kew Obs. .. | TR E1 E4 S | | Aldergrove .. | TR - - S |
| | Tiree .. | TR - - S | | *Margate .. | TR E1 E4 S | | Armagh .. | TR E1 E4 S |
| | Renfrew .. | TR - - S | | Marlborough .. | TR - - S | | Moneydig .. | TR - - - |
| | Rothesay .. | TR E1 E4 S | | Southampton .. | TR - - S | | Hillsborough .. | - - - S |
| | Cockle Park .. | TR E1 E4 S | | Tunbridge Wells .. | - E1 - - | | | |
| | Cranwell .. | TR - - S | | Wisley .. | - E1 E4 - | | | |
| 2 | Durham .. | TR - - S | 7 | Bidston .. | TR - - S | | | |
| | Hull .. | - E1 E4 - | | Bolton .. | - E1 E4 - | | | |
| | Scarborough .. | TR - - S | | Darwen .. | - E1 E4 - | | | |
| | York .. | TR E1 E4 S | | Llandudno .. | TR - - S | | | |
| | | | | Keswick .. | TR - - S | | | |
| | | | | Southport .. | TR E1 E4 S | | | |
| 3 | Cambridge .. | TR E1 E4 S | | Stonyhurst .. | TR - - S | | | |
| | Shoeburyness .. | TR - - S | | | | | | |
| | Woburn .. | - E1 E4 - | | | | | | |
| | Sprowston .. | TR - - S | | | | | | |
| | Rothamsted .. | TR - - S | | | | | | |
| | Gorleston .. | TR E1 E4 S | | | | | | |

* Replaced by Bradford as from April

† " " East Malling " " but 1 ft. and 4 ft. Earth temperatures from Margate still used in Table I.

‡ " " Teignmouth " " July excepting for 1 ft. Earth.

|| E1 and E4 ceased as from May.

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

In 1933 it was announced by the Ordnance Survey that in future mean sea level at Newlyn (Cornwall) should be adopted in place of Liverpool as the datum to which heights should be referred in the British Isles. Accurate Newlyn datum levels are now available for most of England and for some parts of Wales and Scotland but for most of Wales and Scotland, Northern Ireland or the Isle of Man none are yet available. At those stations where the new height would differ from the old by 1 foot or more corrections to obtain the new heights were given in the Introductions 1939 to 1941. The heights given in this publication still refer in the case of most of the older stations to the Liverpool datum but it is probable that many of the heights of the more recent stations refer to Newlyn. It has been established that in no case does the difference between the Newlyn and Liverpool levels exceed 2 feet in the areas for which Newlyn levels are available. A difference of 2 feet is of no significance in the case of rainfall, is very small in the case of temperature, being approximately 1°F. per 300 feet, and in the case of atmospheric pressure involves an error of only 0.07 mb. for dry bulb temperature 60°F. and pressure 1,000 mb. Such errors are insignificant having regard to the others which are involved, e.g., it is doubtful whether heights above datum are determined accurately within one foot in many cases, while instrumental and observational errors may often be of greater magnitude than those given above. It has been decided therefore that while Newlyn heights should be used wherever available for new stations, heights at existing stations will not be altered unless there is a change of site. Throughout Ireland altitudes on maps and plans refer to a low water spring tide datum and such altitudes should be reduced by 8.218 feet to relate them to a mean sea level surface similar to the Newlyn datum as used in Great Britain.

ADDITIONAL RECORDS AVAILABLE FOR 1953

Details of some additional records received for 1953 which are not summarised in the Monthly Weather Report —

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

| | Hours | | Hours | | Hours | | Hours | |
|---------------|--------------|-----------------|--------------|---------------|--------------|---------------------|--------------|--|
| Aberporth | 0, 6, 12, 18 | Eastbourne C.G. | 9, 15, 21 | Manston | 0, 6, 12, 18 | Scampton | 0, 6, 12, 18 | |
| Ballykelly | 3, 9, 15, 21 | Edgbaston | 6, 12, 18 | Mildenhall | 0, 6, 12, 18 | Sellafield | 9 | |
| Blackbushe | 3, 9, 15, 21 | Exeter | 0, 6, 12, 18 | Mount Batten | 0, 6, 12, 18 | Shawbury | 0, 6, 12, 18 | |
| Boscombe Down | 0, 6, 12, 18 | Feltham | 0, 6, 12, 18 | Northolt | 3, 9, 15, 21 | South Farnborough | 0, 6, 12, 18 | |
| Bovingdon | 3, 9, 15, 21 | Gorleston | 0, 6, 12, 18 | Pershore | 0, 6, 12, 18 | Spurn Head | 0, 6, 12, 18 | |
| Bristol | 0, 6, 12, 18 | Hurn | 3, 9, 15, 21 | Point of Ayre | 0, 6, 12, 18 | St. Catherine's Pt. | 9, 15, 18 | |
| Calshot | 0, 6, 12, 18 | Jersey Airport | 9 | Portland Bill | 0, 6, 12, 18 | Tangmere | 0, 6, 12, 18 | |
| Chivenor | 0, 6, 12, 18 | Kilkeel | 9, 21 | Porton | 0, 6, 12, 18 | Tynemouth | 0, 6, 12, 18 | |
| Croydon | 0, 6, 12, 18 | Larkhill | 12 | Ringway | 0, 6, 12, 18 | Waddington | 0, 6, 12, 18 | |
| Defford | 0, 6, 12, 18 | Llandow | 0, 6, 12, 18 | Ronaldsway | 0, 6, 12, 18 | West Malling | 0, 6, 12, 18 | |
| Driffield | 0, 6, 12, 18 | Lympne | 0, 6, 12, 18 | Ross on Wye | 6, 12, 18 | | | |

(b) For certain stations hourly tabulations for 1953 are available of wind force and direction, rainfall duration and amount, and duration of sunshine, and the list is given below where W, R, and S stand for hourly values of wind, rainfall and sunshine :

| | | | |
|------------------------------|----------------------------|--------------------------------|-------------------------------|
| Aberporth W, R, S | Edgbaston (Birmingham) W | London Airport (Feltham) R | Sellafield W, S |
| Abingdon W, R | Elmdon (Birmingham) R, S | Long Ashton W | Shawbury R |
| Acklington R, S | Eskdalemuir W | Lympne W, R, S | Shoeburness W |
| Aldergrove W, R, S | Exeter R, S | Lyneham R, S | Silloth R, S |
| Armagh R | Falmouth (Jan./May) S | Manby R | South Cerney R |
| Avonmouth W | Felixstowe W†, R, S | Manchester (Ringway) R, S | South Farnborough W, R, S |
| Ballykelly (May/Dec.) R, S | (†Jan. and Dec. only) | Manston W*, R†, S† (Jan./Apr.) | Southgate W |
| Bell Rock W** | Feltham (London Airport) R | Marham R | Southport W* |
| Benson R, S | Finningsley R | Middleton St. George R, S | South Shields W |
| Birmingham (Edgbaston) W | Fleetwood W* | Mildenhall W, R, S | Speke W, S |
| Birmingham (Elmdon) R, S | Gorleston W*, S | Milford Haven W | Squires Gate R, S |
| Boscombe Down W, R, S | Grimsetter R, S | Millport W | Stevenage (Broomen Green) R |
| Bristol (Filton) R, S | Hampton W | Mount Batten R, S | Stevenage (Mossbury) W |
| Calshot (Jan./Sept.) W, R, S | Hawarden W, R, S | Pembroke Dock R | Stormaway W** |
| Cardington W*, S | Honiley (Jan./Apr.) R, S | Pendennis Castle W | Tangmere R, S |
| Castle Archdale R, S | Horsham St. Faith R | Plymouth Hoe W | Thorney Island W |
| Chivenor R, S | Keele W | Point of Ayre W* | Tiree W |
| Church Fenton R, S | Keswick R | Port Talbot W | Turnhouse R, S |
| Cottesmore R, S | Kete W* | Prestwick W, R, S | Valley W, R, S |
| Cranfield R, S | Kinloss R, S | Pershore R, S (Mar./Dec.) | Waddington R, S |
| Cranwell W, R | Kingsway W | Renfrew W, R, S | Watnall R, S |
| Croydon W, R, S | Knebworth (Stevenage) R | Ringway (Manchester) R, S | West Freugh R, S† (†May/Dec.) |
| Dishforth R, S | Lerwick W, S | Ronaldsway R, S | West Malling R, S |
| Dover W* | Leuchars W, R, S | Rothamsted S | West Raynham R, S |
| Driffield R | Linton-on-Ouse W | St. Eval R | Wick R |
| Dunstable W, R, S | Little Rissington R, S | Scampton R, S (July/Dec.) | |
| Dyce W, R, S | Lizard W* | Scilly Is. (St. Mary's) W* | |

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

**Anemograms stored in Meteorological Office (Edinburgh)

The list of stations for which daily analyses of wind force and direction are available appears in Table II.

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 9h. G.M.T. for period 1901-1930 and have been “weighted” where necessary.

Temperature and Sunshine (Table III).—The averages refer to the 1921-50 period.

The averages 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 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME

British Summer Time was in force from April 19 to Oct. 4; 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.

SEA TEMPERATURE

Returns of sea temperature are received by the Meteorological Office from certain ships, lightships and coast stations. The mean temperature of the seas round the British Isles for the months of the year 1953 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.

MONTHLY WEATHER REPORT, 1953, LIST OF STATIONS—ADDITIONS AND DELETIONS

(a) Additions. (b) Deletions.

| Station | County | Lat. | Long. | Classification | Authority |
|-----------------------------|----------------------|----------|--------|----------------|---|
| (a) | | N | | | |
| Ballykelly .. | Londonderry .. | 55 ° 04' | 07 | Ia | Meteorological Office. |
| Balmacara House .. | Ross and Cromarty .. | 57 | 17 05 | 39W | The Principal. |
| Baltsasound .. | Shetland .. | 60 | 46 00 | 53W | Peter Tait, Esq. |
| Bryn Adda .. | Caernarvon .. | 53 | 13 04 | 09W | The Farm Director. |
| Castle Douglas .. | Kirkcudbright .. | 54 | 57 03 | 53W | Imperial Chemical Industries Ltd. |
| Dundonald .. | Down .. | 54 | 35 05 | 48W | W. R. McKibbin, Esq. |
| Efford (Everton) .. | Hampshire .. | 50 | 44 01 | 34W | The Director, Exp. Hort. Stn. |
| Findhorn .. | Moray .. | 57 | 40 03 | 37W | D. Cameron, Esq. |
| Garston .. | Hertford .. | 51 | 42 00 | 23W | The Director, Building Research Stn. |
| Gogerddan .. | Cardigan .. | 52 | 26 04 | 01W | Ioworth Jones, Esq. |
| Grassington .. | Yorkshire (W.R.) .. | 54 | 05 02 | 01W | The Chief Education Officer. |
| Harrogate (Bilton) .. | Yorkshire (W.R.) .. | 54 | 01 01 | 33W | The Borough Engineer. |
| Herstmonceux .. | Sussex .. | 50 | 52 00 | 21E | The Astronomer Royal. |
| Holywood .. | Down .. | 54 | 37 05 | 49W | The Town Surveyor. |
| Jersey Airport .. | Channel Isles .. | 49 | 12 02 | 11W | The Airport Commandant. |
| Kettering .. | Northampton .. | 52 | 24 00 | 44W | S. K. Harris, Esq. |
| Kilkeel .. | Down .. | 54 | 04 05 | 57W | Ministry of Transport |
| Kinlochewe .. | Ross and Cromarty .. | 57 | 37 05 | 18W | The Nature Conservancy. |
| Leadhills .. | Lanark .. | 55 | 25 03 | 45W | Douglas Grant, Esq. |
| Moreton Morrell .. | Warwick .. | 52 | 12 01 | 33W | The Principal, Institute of Agric. |
| Padgate .. | Lancashire .. | 53 | 25 02 | 33W | S. T. Wood, Esq. |
| Pendeen .. | Cornwall .. | 50 | 09 05 | 38W | W. R. Scarle, Esq. |
| Pershore .. | Worcester .. | 52 | 08 02 | 02W | Meteorological Office. |
| Ponteland .. | Northumberland .. | 55 | 05 01 | 46W | E. F. Thorpe, Esq. |
| Rugby (Lawrence Sheriff) .. | Warwick .. | 52 | 21 01 | 17W | The Headmaster. |
| St. Abb's Head .. | Berwick .. | 55 55 | 02 08W | Ib | Northern Lighthouse Board. |
| Scampton .. | Lincoln .. | 53 | 18 00 | 32W | Meteorological Office. |
| Slaidburn .. | Yorkshire (W.R.) .. | 53 | 59 02 | 26W | The Engineer, Fylde Water Board. |
| Stone .. | Stafford .. | 52 | 53 02 | 11W | The Secretary, Agric. Research Council. |
| Walton .. | Essex .. | 51 | 51 01 | 16E | The Engineer and Surveyor. |

(b) Bramley, Callander, Calshot, Carlisle, Castlerock, Chichester (Birdham), Cullompton, Cupar, Dawlish, Defford, Frampton Cotterell, Fyfield, Harrogate, Holywood (Cultra), Hutton, Letchworth, Manston, Newport (Mon.), Peebles (Glentress), Pinner, Stanstead Abbotts, Waddington.

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- iii. The distribution of mean temperature at sea level over the land and in the coastal waters.
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| 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 S | | Cardiff .. | TR E1 E4 S |
| | Lerwick .. | TR - - S | | Buxton .. | - E1 E4 - | | Falmouth .. | TR - - S |
| | Stornoway .. | T- - - S | | Huddersfield .. | - E1 E4 - | | Iffracombe .. | - E1 E4 - |
| | Wick .. | TR - - - | | Nottingham .. | TR E1 E4 S | | Plymouth .. | - E1 - - |
| 1 | Craibstone .. | TR - - S | | Oxford .. | TR - - S | | Rhayader .. | 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 | | | | | | |
| | Nairn .. | TR - - S | | | | | | |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Camden Square .. | - E1 E4 - | | | |
| | Eskdalemuir .. | TR - - S | | East Malling .. | TR - - S | | | |
| | Renfrew .. | TR - - S | | Hastings .. | TR E1 E4 S | | | |
| | Rothesay .. | TR E1 E4 S | | Kew Observatory .. | TR E1 E4 S | | | |
| | Tiree .. | TR - - S | | Margate .. | - E1 E4 - | | | |
| 2 | Cockle Park .. | TR E1 E4 S | | Porton .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Southampton .. | TR - - S | | | |
| | Durham .. | TR - - S | | Tunbridge Wells .. | - E1 - - | | | |
| | Hull .. | - E1 E4 - | | Wisley .. | - E1 E4 - | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |
| 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | TR - - S | | | |
| | Gorleston .. | TR E1 E4 S | | Bolton .. | - E1 E4 - | | | |
| | Rothamsted .. | TR - - S | | Burnley .. | - E1 E4 - | | | |
| | Shoeburyness .. | TR - - S | | Darwen .. | - - E4 - | | | |
| | Sprowston .. | TR - - S | | Keswick .. | TR - - S | | | |
| | Woburn .. | - E1 E4 - | | Llandudno .. | TR - - S | | | |

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.

MONTHLY WEATHER REPORT, 1954—LIST OF STATIONS

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|------------------------|-------------------|------|------------|---|--------------------------|----------------|------------|----------------------------|--|
| Aber | Caernarvon | 53 | 14°04' 01W | Professor of Agriculture, Coll. Farm. Town Clerk. | Burnley | Lancashire | 53 | 43°02' 15W | Medical Officer of Health. |
| Aberdeen (Mannofield) | Aberdeen | 57 | 08°02' 08W | Meteorological Office. | Burwell | Cambridge | 52 | 16°00' 19E | Headmaster, Secondary Modern Sch. |
| Aberporth | Cardigan | 52 | 08°04' 34W | Town Clerk. | Bush House | Midlothian | 55 | 51°03' 13W | Secretary, Edinburgh School of Agric. |
| Aberystwyth | Cardigan | 52 | 25°04' 04W | Town Clerk. | Buxton | Derby | 53 | 15°01' 55W | Town Clerk. |
| " Llety-evan-hen | Cardigan | 52 | 27°03' 55W | Director, Plant Breeding Station. | Bwlchgwyn | Denbigh | 53 | 04°03' 08W | S.E. Ashmore, Esq. |
| " P.B.S. | Cardigan | 52 | 25°04' 03W | Director, Plant Breeding Station. | Camborne (Rosewarne) | Cornwall | 50 | 13°05' 18W | Director, Exp. Horticultural Station. |
| Abingdon | Berkshire | 51 | 41°01' 19W | Meteorological Office. | Cambridge, Botanical Gn. | Cambridge | 52 | 12°00' 08E | Director, Botanical Garden. |
| Achnashellach | Ross and Cromarty | 57 | 29°05' 16W | Forestry Commission (Scotland). | Cambridge, N.I.A.B. | Cambridge | 52 | 13°00' 06E | Director, Nat. Inst. of Agric. Botany. |
| Acklington | Northumberland | 57 | 18°01' 38W | Meteorological Office. | Camden Square | London | 51 | 33°00' 08W | Secretary, Royal Meteorological Soc. |
| Addington | Surrey | 51 | 32°00' 04W | Croydon Corporation. | Cannington | Somerset | 51 | 09°03' 04W | Principal, Somerset Farm Institute. |
| Aldergrove | Antrim | 54 | 39°06' 13W | Meteorological Office. | Cape Wrath | Sutherland | 58 | 37°05' 00W | Northern Lighthouse Board. |
| Alice Holt Lodge | Hampshire | 51 | 11°00' 51W | Forestry Commission. | Cardiff | Glamorgan | 51 | 30°03' 10W | Medical Officer of Health. |
| Alston | Cumberland | 54 | 49°02' 26W | Headmaster, Samuel King's School. | Cardington | Bedford. | 52 | 07°00' 25W | Meteorological Office. |
| Ambleside | Westmorland | 54 | 26°02' 57W | Lakes Urban District Council. | Carnoustie | Angus | 56 | 30°02' 42W | Burgh Surveyor. |
| Ampleforth | Yorks, N.R. | 54 | 12°01' 05W | Rev. G. Lynch, O.S.B. | Carnwath | Lanark | 55 | 42°03' 38W | Les and Carnwath Estates. |
| Arbroath | Angus | 56 | 33°02' 35W | Town Council. | Castle Archdale | Fermanagh | 54 | 29°07' 43W | Meteorological Office. |
| Armagh | Armagh | 54 | 21°06' 39W | Director of Observatory for M.O. | Castle Douglas | Kirkcudbright | 57 | 50°03' 53W | Imperial Chemical Industries Ltd. |
| Askham Bryan | Yorks, W.R. | 53 | 57°01' 05W | Principal, Yorks. Inst. of Agriculture. | Cawood | Yorks, W.R. | 53 | 50°01' 08W | Director, Exp. Husbandry Station. |
| Auchincruive | Ayr | 55 | 29°04' 34W | Secretary, W. Scot. Agricultural Coll. | Chapel en le Frith | Derby | 53 | 20°01' 55W | Works Chemist, Ferodo Ltd. |
| Avonmouth | Gloucester | 51 | 30°02' 43W | Haven Master. | Cheltenham | Gloucester | 51 | 54°02' 03W | Town Clerk. |
| Aylesbury | Buckingham | 51 | 47°00' 47W | Bucks. Education Committee. | Cheshunt | Hertford | 51 | 42°00' 02W | Director, Exp. Research Station. |
| Balerno | Midlothian | 55 | 52°03' 21W | Dr. A. D. Buchanan-Smith. | Chesterfield | Derby | 53 | 14°01' 25W | Headmaster, Chesterfield School. |
| Ballykelly | Londonderry | 55 | 04°07' 01W | Meteorological Office. | Cheviot Hills (Sourhope) | Roxburgh | 55 | 29°02' 15W | Director, Hill Farming Research Org. |
| Balmacara House | Ross and Cromarty | 57 | 17°05' 39W | Principal. | Chittishamton | Devon | 51 | 01°03' 57W | C. J. Malet, Esq. |
| Balmoral | Aberdeen | 57 | 02°03' 12W | Major W. Haig, Estate Offices. | Chivenor | Devon | 51 | 05°04' 09W | Meteorological Office. |
| Baltasound | Shetland | 60 | 46°00' 53W | P. Tait, Esq. | Chopwellwood | Durham | 54 | 55°01' 47W | Forestry Commission. |
| Banff | Banff | 57 | 40°02' 31W | Town Chamberlain. | Church Fenton | Yorks, W.R. | 53 | 50°01' 12W | Meteorological Office. |
| Barmouth | Merioneth | 52 | 43°04' 03W | Urban District Council. | Cirencester | Gloucester | 51 | 42°02' 00W | Principal, Royal Agricultural Coll. |
| Barnstaple | Devon | 51 | 05°04' 04W | Librarian, N. Devon Athenaeum. | Clacton | Essex | 51 | 47°01' 09E | Urban District Council. |
| Bath | Somerset | 51 | 23°02' 21W | Medical Officer of Health. | Cleethorpes | Lincoln | 53 | 33°00' 01W | Engineer and Surveyor. |
| " City Boys' School | Somerset | 51 | 22°02' 22W | Medical Officer of Health. | Coatbridge | Lanark | 55 | 51°04' 03W | Manager, Sewage Works. |
| Bayfordbury | Hertford | 51 | 47°00' 05W | John Innes Horticultural Institution. | Cockle Park | Northumberland | 55 | 13°01' 41W | Professor of Agriculture, King's Coll. |
| Belfast | Antrim | 54 | 35°05' 56W | Secretary, Queen's University. | Colmonell | Ayr | 55 | 08°04' 57W | Captain McConnell. |
| Bellingham | Northumberland | 55 | 13°02' 18W | Sir Charles Morrison-Bell, Bart. | Colonsay | Argyll | 56 | 05°06' 11W | Rt. Hon. Lord Strathcona. |
| Bell Rock | Angus | 56 | 26°02' 24W | Northern Lighthouse Board. | Colwyn Bay | Denbigh | 53 | 17°03' 43W | Engineer and Surveyor. |
| Belper | Derby | 53 | 01°01' 29W | Headmaster, Herbert Strutt School. | Cottesmore | Rutland | 52 | 43°00' 39W | Meteorological Office. |
| Benbecula | Inverness | 57 | 28°07' 22W | Meteorological Office. | Coventry | Warwick | 52 | 23°01' 31W | Medical Officer of Health. |
| Benson | Oxford | 51 | 37°01' 05W | Corporation of Bolton. | Craibstone | Aberdeen | 57 | 11°02' 12W | Principal, N. Scot. Agricultural Coll. |
| Berwick-on-Tweed | Northumberland | 55 | 46°02' 00W | Meteorological Office. | Cranfield | Bedford | 52 | 04°00' 37W | Meteorological Office. |
| Bexhill | Sussex | 50 | 50°00' 28E | Borough Surveyor. | Cranwell | Lincoln | 53 | 02°00' 30W | Meteorological Office. |
| Bicknethall | Somerset | 50 | 57°03' 00W | Borough Council. | Cromer | Norfolk | 52 | 56°01' 17E | Urban District Council. |
| Bidston | Cheshire | 53 | 24°03' 04W | A. H. Turner, Esq. | Croydon | Surrey | 51 | 21°00' 07W | Meteorological Office. |
| Bingley | Yorks, W.R. | 53 | 51°01' 52W | Director of Observatory. | Cupar | Fife | 56 | 19°03' 01W | Medical Supt., Stratheden Hospital. |
| Birmingham | Warwick | 52 | 28°01' 56W | Director, St. Ives Research Station. | Dale Fort | Pembroke | 51 | 42°05' 09W | Council for the Promotion of Field Studies. |
| " King Edward's School | Warwick | 52 | 27°01' 55W | Headmaster. | Dalwhinnie | Inverness | 56 | 56°04' 14W | G. Ritchie, Esq., for M.O. |
| Sparkhill | Warwick | 52 | 27°01' 51W | D. H. Owen, Esq. | Dartford | Kent | 51 | 26°00' 13E | Borough Engineer and Surveyor. |
| Birley | Durham | 54 | 55°01' 35W | Chief Chem., Durham Chemicals Ltd. | Darwen | Lancashire | 53 | 41°02' 28W | Medical Officer of Health. |
| Blackbushe | Hampshire | 51 | 19°00' 51W | Meteorological Office. | Dawlish | Devon | 50 | 40°03' 28W | Engineer and Surveyor. |
| Bodium | Sussex | 51 | 00°00' 33E | Arthur Guinness, Son & Co. Ltd. | Defford | Worcester | 52 | 05°02' 09W | Meteorological Office. |
| Boghall | Midlothian | 55 | 52°03' 12W | Secretary, Edinburgh School of Agric. | Dishforth | Yorks, N.R. | 54 | 08°01' 25W | Meteorological Office. |
| Bognor Regis | Sussex | 50 | 47°00' 41W | Urban District Council. | Douglas | Isle of Man | 54 | 10°04' 29W | Borough Surveyor. |
| Bolton | Lancashire | 53 | 35°02' 27W | Corporation of Bolton. | Dover | Kent | 51 | 07°01' 19E | Borough Engineer. |
| Boscombe Down | Wiltshire | 51 | 10°01' 45W | Meteorological Office. | Dover, R.M.S. | Kent | 51 | 07°01' 19E | Headmaster, Royal Military School. |
| Boston | Lincoln | 52 | 58°00' 00 | N. H. Middlebrook, Esq. | Dovercourt | Essex | 51 | 57°00' 16E | Borough Surveyor, Harwich. |
| Bournemouth | Hampshire | 50 | 43°01' 53W | Medical Officer of Health. | Driffield | Yorks, E.R. | 54 | 00°00' 28W | Meteorological Office. |
| Bovingdon | Hertford | 51 | 43°00' 32W | Meteorological Office. | Droitwich | Worcester | 52 | 16°02' 09W | Borough Engineer. |
| Boxworth | Cambridge | 52 | 15°00' 01W | Director, Exp. Husbandry Farm. | Dunfermline | Dumfries | 55 | 04°03' 36W | Physician Supt., Crichton Royal Inst. |
| Bradford | Yorks, W.R. | 53 | 49°01' 46W | Corporation of Bradford. | Dunbar | E. Lothian | 56 | 00°02' 31W | Burgh Surveyor. |
| Braemar | Aberdeen | 57 | 00°03' 24W | R. A. Lees, Esq. | Dundee | Angus | 56 | 28°02' 56W | Director of Studies, Training College. |
| Bramham | Yorks, W.R. | 53 | 25°01' 20W | Professor of Agriculture, Leeds Univ. | Dundee (Mylniefield) | Angus | 56 | 30°03' 04W | Director, Scottish Horticultural Research Institute. |
| Bridlington | Yorks, E.R. | 54 | 06°00' 12W | Borough Water Engineer. | Dundonald | Down | 54 | 35°05' 48W | W.R. McKibbin, Esq. |
| Brighton | Sussex | 50 | 49°00' 08W | Engineer, Corporation Waterworks. | Dunfermline | Fife | 56 | 04°03' 28W | Secretary, Carnegie Trust. |
| Bristol (Filton) | Gloucester | 51 | 31°02' 35W | Meteorological Office. | Dungeness | Kent | 50 | 55°00' 58E | Chief Officer for M.O. |
| Broadstairs | Kent | 51 | 21°01' 27E | Urban District Council. | Dunoon (Benmore) | Argyll | 56 | 02°04' 59W | Forestry Commission (Scotland). |
| Bromley | Kent | 51 | 24°00' 01E | Borough Engineer. | Dunoon Water Works | Argyll | 55 | 56°04' 56W | Burgh Engineer. |
| Bryn Adda | Caernarvon | 53 | 13°04' 09W | Director, Exp. Horticultural Station. | Dunstable | Bedford | 51 | 53°00' 33W | Meteorological Office. |
| Buddon Ness | Angus | 56 | 28°02' 44W | Dundulm | Inverness | 57 | 39°06' 22W | Seton Gordon, Esq., C.B.E. | |
| Bude | Cornwall | 50 | 50°04' 33W | Urban District Council. | | | | | |
| Bunhill Row | London | 51 | 31°00' 05W | Thomas De La Rue and Co. Ltd. | | | | | |
| Burlingham | Norfolk | 52 | 38°01' 30E | Norfolk Education Committee. | | | | | |

MONTHLY WEATHER REPORT, 1954—LIST OF STATIONS (contd.)

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|----------------------------|----------------------|----------|-------|---|-------------------------|----------------------|----------|-------|--|
| Durham .. | Durham | 54 46 01 | 35W | Director, University Observatory. | Halstead .. | Essex .. | 51 57 00 | 38E | F. N. Adams, Esq. |
| Dyce .. | Aberdeen | 57 12 02 | 12W | Meteorological Office. | Hampstead .. | London .. | 51 34 00 | 11W | E. L. Hawke, Esq., M.A., F.R.Met.S. |
| Earls Colne .. | Essex .. | 51 55 00 | 42E | Headmaster, Grammar School. | Hampton .. | Middlesex .. | 51 25 00 | 22W | Metropolitan Water Board. |
| East Bergholt .. | Suffolk .. | 51 57 01 | 02E | Council for the Promotion of Field Studies. | Harlech .. | Merioneth .. | 52 52 04 | 04W | E. H. Price, Esq., for M.O. |
| Eastbourne .. | Sussex .. | 50 46 00 | 17E | Medical Officer of Health. | Harrowgate (Bilton) | Yorks, W.R. | 54 01 01 | 33W | Borough Engineer. |
| Eastbourne (Coastguard) .. | Sussex .. | 50 46 00 | 18E | Station Officer for M.O. | Harrold .. | Bedford .. | 52 12 00 | 36W | R. H. Dodd, Esq. |
| East Budleigh .. | Devon .. | 50 40 03 | 19W | Colonel O. M. Dyke. | Hartland Point .. | Devon .. | 51 01 04 | 32W | Station Officer for M.O. |
| East Ham .. | Essex .. | 51 32 00 | 04E | Town Clerk. | Hastings .. | Sussex .. | 50 51 00 | 34E | Director of Publicity. |
| East Malling .. | Kent .. | 51 17 00 | 24E | Director, Research Station. | Haverfordwest .. | Pembroke .. | 51 48 04 | 58W | Borough Surveyor. |
| Eastwick Lodge .. | Hertford .. | 51 47 00 | 05E | Chief Engineer, Harlow Development Corporation. | Hawarden .. | Flint .. | 53 11 02 | 58W | Meteorological Office. |
| Edinburgh .. | | | | | Hawarden Bridge .. | Flint .. | 53 12 03 | 01W | John Summers and Sons Ltd. |
| Blackford Hill .. | Midlothian .. | 55 55 03 | 11W | Astronomer Royal for Scotland. | Haydon Bridge .. | Northumberland .. | 54 58 02 | 15W | Headmaster, Shaftee Trust School. |
| Botanic Garden .. | Midlothian .. | 55 58 03 | 12W | Curator. | Hayling Island .. | Hampshire .. | 50 47 00 | 59W | Urban District Council, Havant. |
| Davidson's Mains .. | Midlothian .. | 55 58 03 | 17W | J. W. Younger, Esq. | Helensburgh .. | Dumbarton .. | 56 01 04 | 43W | Burgh Surveyor. |
| Liberton .. | Midlothian .. | 55 55 03 | 10W | Secretary, E. Scot. Agricultural Coll. | Helmsdale .. | Lancashire .. | 53 41 02 | 20W | Director, Exp. Husbandry Farm. |
| Elgin .. | Moray .. | 57 38 03 | 18W | Town Clerk. | Hendon .. | Middlesex .. | 51 36 00 | 14W | Meteorological Office. |
| Ellbridge .. | Cornwall .. | 50 27 04 | 15W | Agricultural Executive Committee. | Herne Bay .. | Kent .. | 51 22 01 | 07E | Clerk of the Council. |
| Elmdon .. | Warwick .. | 52 27 01 | 45W | Meteorological Office. | Hertsmere .. | Sussex .. | 50 52 00 | 21E | Astronomer Royal. |
| Enfield .. | Middlesex .. | 51 38 00 | 03W | Urban District Council. | High Mowthorpe .. | Yorks, E.R. | 54 06 00 | 38W | Director, Exp. Husbandry Farm. |
| Eskdalemuir .. | Dunfries .. | 55 19 03 | 12W | Meteorological Office. | Hillsborough .. | Down .. | 54 27 06 | 04W | Secretary, N. Ireland Agricultural Research Institute. |
| Everton .. | Hampshire .. | 50 44 01 | 34W | Director, Exp. Horticultural Station. | Holyhead (Valley) .. | Anglesey .. | 53 15 04 | 32W | Meteorological Office. |
| Exeter .. | Devon .. | 50 44 03 | 25W | Meteorological Office. | Holywood .. | Down .. | 54 37 05 | 49W | Urban District Council. |
| Exmouth .. | Devon .. | 50 36 03 | 24W | Urban District Council. | Horley .. | Surrey .. | 51 09 00 | 08W | F. M. Gurteen, Esq., Worth Pk. Nur. |
| Falkirk .. | Stirling .. | 56 00 03 | 48W | Sanitary Inspector. | Houghall .. | Durham .. | 54 45 01 | 35W | Director, School of Agriculture. |
| Falmouth .. | Cornwall .. | 50 09 05 | 05W | Town Clerk. | Huddersfield .. | Yorks, W.R. | 53 38 01 | 43W | Town Clerk. |
| Farnham .. | Surrey .. | 51 13 00 | 48W | A. C. Hunt, Esq. | Huddersfield (Oakes) .. | Yorks, W.R. | 53 39 01 | 50W | S. Morris Bower, Esq., for M.O. |
| " (Rowledge) .. | Surrey .. | 51 11 00 | 49W | A. Hampton Brown, Esq. | Hull .. | Yorks, E.R. | 53 45 00 | 16W | General Supt., Parks Dept. |
| Felixstowe .. | Suffolk .. | 57 51 01 | 20E | Meteorological Office. | Hunstanton .. | Norfolk .. | 52 57 00 | 29E | Clerk to the Council. |
| Fernhurst .. | Sussex .. | 51 02 00 | 42W | Plant Protection Ltd. | Hunly .. | Aberdeen .. | 57 27 02 | 47W | W. Eddie, Esq. |
| Fettercairn (Glensaugh) .. | Kincardine .. | 56 54 02 | 32W | Manager, Hill Farm Research Org. | Horley .. | Berkshire .. | 51 32 00 | 49W | Director, Grassland Research Stn. |
| Findhorn .. | Moray .. | 57 40 03 | 37W | D. Cameron, Esq. | Hurn .. | Hampshire .. | 50 47 01 | 50W | Meteorological Office. |
| Finningley .. | Yorks, W.R. | 53 29 01 | 00W | Meteorological Office. | Ifracombe .. | Devon .. | 51 12 04 | 08W | Urban District Council. |
| Fleetwood .. | Lancashire .. | 53 55 03 | 03W | Town Clerk. | Ilkley .. | Yorks, W.R. | 53 55 01 | 50W | Surveyor and Engineer. |
| Folkestone .. | Kent .. | 51 05 01 | 11E | Borough Engineer. | Inverness .. | Inverness .. | 57 26 04 | 13W | Town Clerk. |
| Forres .. | Moray .. | 57 37 03 | 36W | Town Clerk. | " (Cameron Barracks) .. | Inverness .. | 57 28 04 | 12W | Officer Commanding. |
| Fort Augustus .. | Inverness .. | 57 08 04 | 40W | Procurator, The Abbey. | Ipswich, Belstead .. | Suffolk .. | 52 00 01 | 06E | R. Wilson, Esq. |
| Fortrose .. | Ross and Cromarty .. | 57 35 04 | 08W | Town Clerk. | Jersey Airport .. | Channel Isles .. | 49 12 02 | 11W | Airport Commandant. |
| Fort William .. | Inverness .. | 56 49 05 | 07W | James W. Ainslie, Esq. | Jersey, Gorey Castle .. | Channel Isles .. | 49 12 02 | 01W | States Committee of Tourism. |
| Fowey .. | Cornwall .. | 50 21 04 | 38W | Town Clerk. | Jersey, St. Helier .. | Channel Isles .. | 49 11 02 | 07W | The Greffier. |
| Freshwater .. | Isle of Wight .. | 50 41 01 | 31W | Headmaster, West Wight Secondary Modern School. | Keel .. | Stafford .. | 53 00 02 | 16W | Prof. of Geography, University Coll. |
| Fyfield .. | Essex .. | 51 45 00 | 16E | Essex River Board. | Kelso (Floors) .. | Roxburgh .. | 55 36 02 | 28W | R. Hunter Murray, Esq., Estate Office. |
| Garston .. | Hertford .. | 51 42 00 | 23W | Director, Building Research Station. | Kensington .. | London .. | 51 31 00 | 10W | Baillif of the Royal Parks. |
| Garvagh (Moneymore) .. | Londonderry .. | 54 59 06 | 36W | J. Parker, Esq. | Keswick .. | Cumberland .. | 54 36 03 | 09W | Urban District Council. |
| Gateshead .. | Durham .. | 54 57 01 | 35W | Medical Officer of Health. | Kete .. | Pembroke .. | 51 42 05 | 11W | Commanding Officer, R.N.A.S. |
| Gillingham .. | Kent .. | 51 23 00 | 34E | Borough Engineer. | Kettering .. | Northampton .. | 52 24 00 | 44W | Stanley K. Harris, Esq. |
| Glasgow .. | Lanark .. | 55 53 04 | 14W | Director of Parks, Corporation. | Kew Observatory .. | Surrey .. | 51 28 00 | 19W | Superintendent, Meteorological Off. |
| Glenbranter .. | Argyll .. | 56 08 05 | 03W | Forestry Commission (Scotland). | Kielder Castle .. | Northumberland .. | 55 14 02 | 34W | Forestry Commission. |
| Glenavon .. | Lanark .. | 55 35 04 | 07W | County Water Engineer. | Kilkene .. | Down .. | 54 04 05 | 57W | Ministry of Transport. |
| Glenlee .. | Kirkcudbright .. | 56 06 04 | 11W | Hydro-Electric Engineer. | Kilmarnock .. | Ayr .. | 55 36 04 | 30W | Burgh Surveyor. |
| Glenlivet .. | Banff .. | 57 17 03 | 17W | Walter Duncan, Esq. | Kingsway .. | London .. | 51 31 00 | 07W | Meteorological Office. |
| Glenlochar Barrage .. | Kirkcudbright .. | 54 57 03 | 59W | Hydro-Electric Engineer. | Kinloss .. | Ross and Cromarty .. | 57 37 05 | 18W | F. H. W. Green, Esq., Nature Conserv. |
| Glenmore Lodge .. | Inverness .. | 57 10 03 | 42W | Director of Field Studies. | Kirkcaldy .. | Moray .. | 57 39 03 | 34W | Meteorological Office. |
| Gogerddan .. | Cardigan .. | 52 26 04 | 01W | Welsh Plant Breeding Station. | Kirkham .. | Fife .. | 56 08 03 | 10W | Town Clerk. |
| Gordon Castle .. | Moray .. | 57 37 03 | 05W | Col. G. C. Gordon Lennox, C.V.O., D.S.O. | Lacock (Lackham) .. | Lancashire .. | 53 48 02 | 53W | Director, Exp. Horticultural Stn. |
| Gorleston .. | Norfolk .. | 52 35 01 | 44E | Station Officer for M.O. | Lake Vyrnwy .. | Wiltshire .. | 51 26 02 | 07W | Principal, School of Agriculture. |
| Goudhurst .. | Kent .. | 51 05 00 | 27E | Forestry Commission. | Largs (Woodbank) .. | Montgomery .. | 52 45 03 | 28W | Chief Engineer, Liverpool Corp. |
| Grassington .. | Yorks, W.R. | 54 05 02 | 01W | Chief Education Officer. | Larkhill .. | Ayr .. | 55 48 04 | 52W | Alex. Simpson, Esq. |
| Greenock .. | Renfrew .. | 55 56 04 | 46W | Corporation. | Leadhills .. | Wiltshire .. | 51 12 01 | 48W | Meteorological Office. |
| Greenwich .. | London .. | 51 29 00 | 00 | Director, Maritime Museum. | Leamington Spa .. | Lanark .. | 55 25 03 | 45W | Douglas Grant, Esq. |
| Grimsetter .. | Orkney .. | 58 58 02 | 54W | Meteorological Office. | Leckford .. | Warwick .. | 52 18 01 | 30W | Medical Officer of Health. |
| Guernsey .. | Channel Isles .. | 49 26 02 | 36W | Commandant, States Airport. | Leicester (Towers) .. | Hampshire .. | 51 07 01 | 27W | Gen. Manager, Leckford Estate Ltd. |
| Gulval .. | Cornwall .. | 50 08 05 | 32W | Sutton and Sons Ltd. | Lerwick Observatory .. | Leicester .. | 52 38 01 | 05W | Secretary, Hospital Management Com. |
| Habrough .. | Lincoln .. | 53 37 00 | 15W | R. J. Blakeborough, Esq. | Leuchars .. | Shetland .. | 60 08 01 | 11W | Meteorological Office. |
| | | | | | Lincoln .. | Fife .. | 56 23 02 | 53W | Meteorological Office. |
| | | | | | Lindholme .. | Yorks, W.R. | 53 14 00 | 34W | City Engineer and Surveyor. |
| | | | | | | | 53 33 00 | 58W | Meteorological Office. |

MONTHLY WEATHER REPORT, 1954—LIST OF STATIONS (contd.)

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|----------------------------|---------------|----------|-------|--|-----------------------|----------------|----------|-------|--|
| Linton-on-Ouse | Yorks., N.R. | 54 03 01 | 15W | Meteorological Office. | Oswestry | Shropshire | 52 51 03 | 04W | Chief Engineer, Liverpool Corp. |
| Lisburn | Antrim | 54 31 06 | 02W | Headmaster, Friends' School. | Oxford | Oxford | 51 46 01 | 16W | Professor of Geography. |
| Littlehampton | Sussex | 50 48 00 | 32W | Urban District Council. | Padgate | Lancashire | 53 25 02 | 33W | S. T. Wood, Esq., Training College. |
| Little Rissington | Gloucester | 51 52 01 | 42W | Meteorological Office. | Paignton | Devon | 50 26 03 | 34W | Clerk of the Council. |
| Lizard | Cornwall | 49 57 05 | 13W | Station Officer for M.O. | Paisley | Renfrew | 55 51 04 | 26W | J. Woodrow, Esq., F.R.Met.S., Coats Observatory. |
| Llandow | Glamorgan | 51 26 03 | 30W | Meteorological Office. | Parkend | Gloucester | 51 46 02 | 34W | Forestry Commission. |
| Llandrindod Wells | Radnor | 52 14 03 | 22W | Urban District Council. | Peebles | Peebles | 55 39 03 | 11W | Town Clerk. |
| Llandudno | Caernarvon | 53 20 03 | 50W | Medical Officer of Health. | Pembroke Dock | Pembroke | 51 42 04 | 57W | Meteorological Office. |
| Llynnon | Brecknock | 51 47 03 | 26W | Water Engineer, Cardiff. | Peneden | Cornwall | 50 09 05 | 38W | W. R. Searle, Esq. |
| Loch Fyne (Lephinmore) | Argyll | 56 05 05 | 15W | Director, Hill Farm Research Org. | Penicuick | Midlothian | 55 50 03 | 13W | Dr. J. T. Baldwin. |
| Logie Coldstone | Aberdeen | 57 08 02 | 55W | Director of Education, Aberdeen. | Penzance | Cornwall | 50 07 05 | 32W | Town Clerk. |
| London Airport | Middlesex | 51 29 00 | 27W | Meteorological Office. | Pershore | Worcester | 52 08 02 | 02W | Meteorological Office. |
| Long Ashton | Somerset | 51 26 02 | 40W | Director, Agr. and Hort. Res. Stn. | Perth | Perth | 56 24 03 | 27W | Town Clerk. |
| Long Sutton | Hampshire | 51 15 00 | 56W | Principal, Lord Wandsworth College. | Pitlochry | Perth | 56 43 03 | 46W | Forestry Commission (Scotland). |
| Lowestoft | Suffolk | 52 25 01 | 45E | Town Clerk. | Plymouth (Mt. Batten) | Devon | 50 22 04 | 07W | Meteorological Office. |
| Luddington | Warwick | 52 10 01 | 46W | Director, Exp. Horticultural Stn. | Plymouth (The Hoe) | Devon | 50 22 04 | 08W | Medical Officer of Health. |
| Lundin Links | Fife | 56 13 02 | 57W | Hon. Treas., Largs Improvement As. | Point of Ayre | Isle of Man | 54 25 04 | 22W | Northern Lighthouse Board. |
| Luton | Bedford | 51 54 00 | 25W | Borough Engineer. | Polegate | Sussex | 50 49 00 | 16E | A. E. Moon, Esq., F.R.Met.S. |
| Lymne | Kent | 51 05 01 | 01E | Meteorological Office. | Pontefract | Yorks., W.R. | 53 42 01 | 19W | Headmaster, King's School. |
| Lyneham | Wiltshire | 51 30 01 | 59W | Meteorological Office. | Ponteland | Northumberland | 55 05 01 | 46W | E. F. Thorpe, Esq., Kirkley Hall Farm Institute. |
| Lyonshall | Hereford | 52 13 02 | 58W | R. H. Green, Esq. | Pool | Dorset | 50 40 01 | 58W | Town Clerk. |
| Macclesfield | Cheshire | 53 15 02 | 08W | Superintendent of Parks. | Portchapel | Glamorgan | 51 27 03 | 43W | Urban District Council. |
| Maldon | Essex | 51 44 00 | 40E | Town Clerk. | Portland Bill | Dorset | 50 32 02 | 27W | Lightkeeper for M.O. |
| Malham Tarn | Yorks., W.R. | 54 06 02 | 10W | Council for the Promotion of Field Studies. | Porton | Wiltshire | 51 07 01 | 42W | Head of Meteorology Section. |
| Malvern | Worcester | 52 08 02 | 18W | Urban District Council. | Portsmouth | Hampshire | 50 48 01 | 06W | Medical Officer of Health. |
| Manby | Lincoln | 53 21 00 | 05E | Meteorological Office. | Port Talbot | Glamorgan | 51 34 03 | 45W | Steel Company of Wales Ltd. |
| Manchester Airport | Cheshire | 53 21 02 | 16W | Meteorological Office. | Prestatyn | Flint | 53 20 03 | 24W | Urban District Council. |
| Manchester | Lancashire | 53 27 02 | 14W | Director, University Physical Labs. | Preston (Moor Park) | Lancashire | 53 46 02 | 42W | Director, Jeremiah Horrocks Obsy. |
| Mansfield | Nottingham | 53 02 01 | 11W | Borough Surveyor. | Preston Wynne | Hereford | 52 07 02 | 30W | Director, Rosemaund E. H. Farm. |
| Manston | Kent | 51 21 01 | 22E | Commanding Officer, U.S.A.F. | Prestwick | Ayr | 55 30 04 | 37W | Burgh Engineer. |
| Marchmont | Berwick | 55 44 02 | 25W | Capt. J. H. F. McEwen, M.P. | Prestwick Airport | Ayr | 55 31 04 | 36W | Meteorological Office. |
| Margate | Kent | 51 24 01 | 24E | Town Clerk. | Princeton | Devon | 50 33 03 | 59W | The Governor, H.M. Prison. |
| Marham | Norfolk | 52 39 00 | 34E | Meteorological Office. | Ramsey | Isle of Man | 54 19 04 | 24W | Headmaster, Grammar School. |
| Market Drayton | Stafford | 55 55 02 | 24W | Med. Sup't., Cheshire Joint Sanator. | Ramsgate | Kent | 51 20 01 | 25E | Borough Engineer and Surveyor. |
| Marlborough | Wiltshire | 51 28 01 | 44W | Headmaster. | Rattray Head | Aberdeen | 57 37 01 | 50W | Northern Lighthouse Board. |
| Mellor | Cheshire | 53 24 02 | 02W | Dr. K. C. Roberts. | Raunds | Northampton | 52 20 00 | 31W | T. C. Smith, Esq. |
| Mickleham | Surrey | 51 16 00 | 19W | Council for the Promotion of Field Studies. | Reading | Berkshire | 51 27 00 | 58W | Professor of Geography. |
| Midcalder | Midlothian | 55 53 03 | 31W | Director, Soc. for Agric. Eng. Res'ch. | "(Seed Trial Grounds) | Redcar | 51 27 00 | 56W | Sutton and Sons. |
| Middleton St. George | Durham | 54 30 01 | 25W | Meteorological Office. | " | Yorks., N.R. | 54 37 01 | 04W | Town Clerk. |
| Mildenhead | Suffolk | 52 22 00 | 28E | Meteorological Office. | Regent's Park | London | 51 31 00 | 09W | Park Superintendent. |
| Milford Haven | Pembroke | 51 43 05 | 02W | Works Manager, Murex Ltd. | Renfrew | Renfrew | 55 52 04 | 24W | Meteorological Office. |
| Millport | Bute | 55 45 04 | 54W | Dr. H. Barnes, Marine Res. Stn. | Rhayader | Radnor | 52 18 03 | 31W | R. Ashton, Esq., for M.O. |
| Montrose | Angus | 56 42 02 | 27W | Burgh Surveyor. | Rhose | Glamorgan | 51 24 03 | 21W | Meteorological Office. |
| Montrose (R. Mental Hosp.) | Angus | 56 43 02 | 28W | Physician Superintendent. | Rhyll | Flint | 53 19 03 | 30W | Urban District Council. |
| Moor House | Westmorland | 54 41 02 | 23W | F. H. W. Green, Esq., Nature Conserv. | Rochdale | Hampshire | 50 51 01 | 44W | Miss M. A. M. Penrose, B.Sc. |
| Morecambe | Lancashire | 54 04 02 | 52W | Town Clerk. | Ronaldsway | Lancashire | 53 38 02 | 10W | Borough Surveyor. |
| Moreton Morrell | Warwick | 52 12 01 | 33W | Principal, Inst. of Agriculture. | Isle of Man | Isle of Man | 54 05 04 | 38W | Meteorological Office. |
| Morley | Derby | 52 47 01 | 25W | Warden, Farm Institute. | Ross-on-Wye | Hereford | 51 55 02 | 35W | F. J. Parsons, Esq., for M.O. |
| Muchalls | Kincardine | 57 01 02 | 10W | Grassland Officer, N. Scotland College of Agriculture. | Rothamsted | Hertford | 51 48 00 | 21W | Director, Experimental Station. |
| Nairn | Nairn | 57 35 03 | 52W | Town Clerk. | Rotherham | Yorks., W.R. | 53 25 01 | 19W | L. Atkinson, Esq. |
| Nelson | Lancashire | 53 50 02 | 12W | Medical Officer of Health. | Rothesay | Bute | 55 50 05 | 02W | President, Natural History Society. |
| Newport | Monmouth | 51 33 03 | 02W | Tech. Officer i/c, Exp. Hort. Stn. | Rugby | Warwick | 52 22 01 | 15W | Headmaster, Lawrence Sheriff Schl. |
| Newport | Isle of Wight | 50 42 01 | 18W | Borough Engineer and Surveyor. | Ruscombe | Gloucester | 51 45 02 | 14W | B. D. Parkin, Esq. |
| Newport | Shropshire | 52 46 02 | 26W | Principal, Harper Adams Agr. Coll. | Ruthwell | Dumfries | 55 00 03 | 27W | Factor, Estates Office. |
| Newquay | Cornwall | 50 25 05 | 05W | Clerk to the Council. | Ryde | Isle of Wight | 50 44 01 | 10W | Superintendent, Publicity Dept. |
| Newton Abbott | Devon | 50 33 03 | 39W | Principal, Seale-Hayne Agr. College. | St. Abb's Head | Berwick | 55 55 02 | 08W | Chief Officer for M.O. |
| Newton Rigg | Cumberland | 54 40 02 | 47W | Principal, County Farm School. | St. Albans | Hertford | 51 46 00 | 18W | Principal, Inst. of Agriculture. |
| North Berwick | E. Lothian | 56 03 02 | 43W | Town Clerk. | St. Andrews | Fife | 56 20 02 | 47W | Burgh Engineer. |
| Northolt | Middlesex | 51 33 00 | 25W | Meteorological Office. | St. Austell | Cornwall | 50 20 04 | 47W | Urban District Council. |
| Northwich (Winnington) | Cheshire | 53 16 02 | 32W | Imperial Chemical Industries Ltd. | St. Catherine's Point | Isle of Wight | 50 34 01 | 18W | Chief Officer for M.O. |
| Nottingham | Nottingham | 52 57 01 | 09W | City Engineer and Surveyor. | St. Eval | Cornwall | 50 28 04 | 59W | Meteorological Office. |
| Nutts Corner | Antrim | 54 38 06 | 10W | Meteorological Office. | St. Mary's | Scilly | 49 56 06 | 18W | Station Officer for M.O. |
| Oaken | Stafford | 52 35 02 | 12W | A. J. Parkes, Esq., M.C., D.L., J.P. | Saffron Walden | Essex | 52 01 00 | 15E | G. B. Thomas, Esq., Friends' Schl. |
| Oban | Argyll | 56 25 05 | 30W | Burgh Surveyor. | Sanderstead | Surrey | 51 20 00 | 05W | M. J. Rawlinson, Esq. |
| Onich | Inverness | 56 43 05 | 13W | Forestry Commission (Scotland). | Sandown | Isle of Wight | 50 29 01 | 09W | Urban District Council. |
| | | | | | Scampton | Lincoln | 53 18 00 | 32W | Meteorological Office. |

MONTHLY WEATHER REPORT, 1954—LIST OF STATIONS (contd.)

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|------------------------------|-------------------------|---------|-------|--|-----------------------------|----------------------|---------|-------|--|
| Scarborough . . . | Yorks., N.R. . . | 54 1800 | 24W | Medical Officer of Health. | Throwley . . . | Kent . . . | 51 1400 | 51E | Thomas Neame Ltd. |
| Seaford . . . | Sussex . . . | 50 4600 | 07E | Surveyor to the Council. | Tiree . . . | Argyll . . . | 56 3006 | 53W | Meteorological Office. |
| Sedlescombe . . . | Sussex . . . | 50 5600 | 31E | Rev. G. N. Martin. | Torquay . . . | Devon . . . | 50 2803 | 31W | Town Clerk. |
| Sellafeld . . . | Cumberland . . . | 54 2503 | 30W | U.K. Atomic Energy Authority. | Totnes . . . | Devon . . . | 50 2703 | 43W | Estate Steward, Dartington Hall Trustees. |
| Shaftesbury . . . | Dorset . . . | 51 0102 | 12W | Headmaster, Modern School. | Trawscoed . . . | Cardigan . . . | 52 2003 | 57W | Director, Exp. Husbandry Farm. |
| Shanklin . . . | Isle of Wight . . . | 50 3701 | 11W | Urban District Council. | Tredegar . . . | Monmouth . . . | 51 4603 | 15W | Sanitary Inspector. |
| Shardlow Hall . . . | Derby . . . | 52 5201 | 21W | A. Roebuck, Esq., Ministry of Agriculture and Fisheries. | Troon . . . | Ayr . . . | 55 3204 | 40W | Town Council. |
| Shawbury . . . | Shropshire . . . | 52 4802 | 41W | Meteorological Office. | Tunbridge Wells . . . | Kent . . . | 51 0800 | 16E | Medical Officer of Health. |
| Sheffield . . . | Yorks., W.R. . . | 53 2301 | 29W | Town Clerk. | Turnberry . . . | Ayr . . . | 55 1904 | 50W | Chief Works Officer, Hotels Exec. |
| Shinfield . . . | Berkshire . . . | 51 2500 | 57W | Professor of Horticulture. | Turnhouse . . . | Midlothian . . . | 55 5703 | 21W | Meteorological Office. |
| Shipston on Stour . . . | Warwick . . . | 52 0401 | 42W | A. W. Beecham, Esq. | Tynemouth . . . | Northumberland . . . | 55 0101 | 25W | Entertainments and Publicity Officer. |
| Shoeburyness . . . | Essex . . . | 51 3200 | 49E | Meteorological Office. | Upavon . . . | Wiltshire . . . | 51 1701 | 47W | Meteorological Office. |
| Shrewsbury . . . | Shropshire . . . | 52 4302 | 43W | Medical Officer of Health. | Urswick . . . | Lancashire . . . | 54 0903 | 07W | Rev. M. D. Grieve. |
| Sidmouth . . . | Devon . . . | 50 4103 | 14W | Surveyor. | Ushaw College . . . | Durham . . . | 54 4701 | 39W | President. |
| Silloth . . . | Cumberland . . . | 54 5203 | 23W | Meteorological Office. | Usk . . . | Monmouth . . . | 51 4202 | 55W | Principal, Inst. of Agriculture. |
| Silpho Moor . . . | Yorks., N.R. . . | 54 2000 | 31W | P. J. Rennie, Esq., A.R.C.S., Imperial Forestry Institute. | Ventnor Park . . . | Isle of Wight . . . | 50 5601 | 13W | Urban District Council. |
| Silsoe . . . | Bedford . . . | 52 0100 | 25W | Director, Nat. Inst. of Agr. Eng. | Wakefield . . . | Yorks., W.R. . . | 53 4001 | 30W | The Corporation. |
| Sittingbourne . . . | Kent . . . | 51 1400 | 43E | Principal, Farm Institute. | Wallasey . . . | Cheshire . . . | 53 2603 | 04W | Medical Officer of Health. |
| Skegness . . . | Lincoln . . . | 53 0900 | 21E | Engineer and Surveyor. | Walsall . . . | Stafford . . . | 52 3601 | 59W | J. C. W. Day, Esq. |
| Skokholm Island . . . | Pembroke . . . | 51 4205 | 16W | Council for the Promotion of Field Studies. | Walton-on-Naze . . . | Essex . . . | 51 5101 | 16E | Engineer and Surveyor. |
| Slaidburn . . . | Yorks., W.R. . . | 53 5902 | 26W | Engineer, Fylde Water Board. | Warsop . . . | Nottingham . . . | 53 1301 | 07W | Director, Gleadthorpe E. H. Farm. |
| Southampton . . . | Hampshire . . . | 50 5501 | 24W | Director General, Ordnance Survey. | Watnall . . . | Nottingham . . . | 53 0101 | 15W | Meteorological Office. |
| " (Eastleigh) . . . | Hampshire . . . | 50 5701 | 21W | Meteorological Office. | Wealdstone . . . | Middlesex . . . | 51 3500 | 20W | Kodak Ltd. |
| Southend . . . | Essex . . . | 51 3200 | 42E | Pier Master. | Wellesbourne . . . | Warwick . . . | 52 0401 | 36W | Director, National Vegetable Research Station. |
| South Farnborough . . . | Hampshire . . . | 51 1700 | 45W | Meteorological Office. | Wellingborough . . . | Northampton . . . | 52 1800 | 41W | L. G. Cottingham, Esq. |
| Southgate . . . | Middlesex . . . | 51 3800 | 07W | Borough Council. | Welshpool . . . | Montgomery . . . | 52 3903 | 08W | Headmaster, Grammar School. |
| Southport . . . | Lancashire . . . | 53 3703 | 00W | Town Clerk. | West Freugh . . . | Wigtown . . . | 54 5104 | 57W | Meteorological Office. |
| South Shields . . . | Durham . . . | 55 0001 | 26W | Secretary, Tyne Improvement Comm. | West Hartlepool . . . | Durham . . . | 54 4101 | 12W | H. Lamb, Esq. |
| Speke . . . | Lancashire . . . | 53 2102 | 53W | Meteorological Office. | West Kirby Park . . . | Cheshire . . . | 53 2303 | 11W | Urban District Council (Hoylake). |
| Sprowston . . . | Norfolk . . . | 52 4001 | 21E | Director, Agricultural Station. | West Lavington . . . | Wiltshire . . . | 51 1702 | 02W | Headmaster, Dauntsey's School. |
| Spurn Head . . . | Yorks., E.R. . . | 53 3500 | 07E | Chief Officer for M.O. | West Linton . . . | Peebles . . . | 55 4503 | 21W | P. Hadland, Esq. |
| Squires Gate . . . | Lancashire . . . | 53 4603 | 02W | Meteorological Office. | West Malling . . . | Kent . . . | 51 1700 | 24E | Meteorological Office. |
| Stansted . . . | Essex . . . | 51 5300 | 13E | Meteorological Office. | Westminster . . . | London . . . | 51 3000 | 08W | Bailliff of the Royal Parks. |
| Starcross . . . | Devon . . . | 50 3803 | 27W | Deputy Provincial Director, Ministry of Agriculture and Fisheries. | Weston-super-Mare . . . | Somerset . . . | 51 2002 | 59W | Medical Officer of Health. |
| Stevenage . . . | Hertford . . . | 51 5500 | 11W | Chief Engineer, Development Corpn. | West Raynham . . . | Norfolk . . . | 52 4700 | 44E | Meteorological Office. |
| Stirling . . . | Stirling . . . | 56 0703 | 56W | Sanitary Inspector. | Weymouth . . . | Dorset . . . | 50 3602 | 27W | Town Clerk. |
| Stone . . . | Stafford . . . | 52 5302 | 11W | Secretary, Animal Breeding Research Organisation. | Whipsnade . . . | Bedford . . . | 51 5200 | 33W | Superintendent, Zoological Park. |
| Stonehaven . . . | Kincardine . . . | 56 5802 | 12W | Town Clerk. | Whitby . . . | Yorks., N.R. . . | 54 2900 | 37W | Urban District Council. |
| Stonyhurst . . . | Lancashire . . . | 53 5102 | 28W | Rev. J. Lawrence, S.J., The College. | Whistable . . . | Kent . . . | 51 2201 | 02E | Surveyor and Water Engineer. |
| Stormaway Airport . . . | Ross and Cromarty . . . | 58 1306 | 20W | Meteorological Office. | Wick . . . | Caithness . . . | 58 2703 | 05W | Meteorological Office. |
| " (Coastguard) . . . | Ross and Cromarty . . . | 58 1206 | 22W | Station Officer for M.O. | Widecombe-in-the-Moor . . . | Devon . . . | 50 4503 | 45W | Miss O. Kitson |
| Stratford-on-Avon . . . | Warwick . . . | 52 1101 | 43W | G. A. Barton, Esq., F.R.Met.S. | Wilmington . . . | Kent . . . | 51 2300 | 11E | W. Corbett, Esq., Horticultural Inst. |
| " " (Drayton) . . . | Warwick . . . | 52 1101 | 44W | Director, Grassland Res. Station. | Winchester . . . | Hampshire . . . | 51 0501 | 19W | Medical Officer of Health. |
| Strathy . . . | Sutherland . . . | 58 3104 | 01W | Lands Officer, Dept. of Agriculture (Scotland). | Wirksworth . . . | Derby . . . | 53 0501 | 34W | A. D. G. Smith, Esq. |
| Strelley . . . | Nottingham . . . | 52 5801 | 15W | Miss M. Edge. | Wisley . . . | Surrey . . . | 51 1700 | 26W | Director, Royal Horticultural Society's Gardens. |
| Sule Skerry . . . | Orkney . . . | 59 0504 | 25W | Northern Lighthouse Board. | Woburn . . . | Bedford . . . | 52 0100 | 35W | Director, Rothamsted Exp. Stn. |
| Sutton Bonington . . . | Nottingham . . . | 52 5001 | 15W | Prof. F. L. Milthorpe, School of Agr. | Woolhampton . . . | Berkshire . . . | 51 2401 | 10W | The Abbot, Douai Abbey. |
| Swanage . . . | Dorset . . . | 50 3701 | 57W | Urban District Council. | Wootton Courtenay . . . | Somerset . . . | 51 1003 | 32W | C. H. Archer, Esq. |
| Swansea . . . | Glamorgan . . . | 51 3703 | 55W | Clerk to the Corporation. | Worcester (Redhill) . . . | Worcester . . . | 52 1002 | 10W | County Agricultural Officer. |
| Tangmere . . . | Sussex . . . | 50 5100 | 43W | Meteorological Office. | Worthing . . . | Sussex . . . | 50 4900 | 22W | Medical Officer of Health. |
| Tarbatness . . . | Ross and Cromarty . . . | 57 5203 | 46W | Northern Lighthouse Board. | Wrexham . . . | Denbigh . . . | 53 0302 | 59W | S. E. Ashmore, Esq. |
| Tavistock . . . | Devon . . . | 50 3304 | 10W | Forestry Commission. | Writtle . . . | Essex . . . | 51 4400 | 26E | Principal, Inst. of Agriculture. |
| Teignmouth . . . | Devon . . . | 50 3303 | 29W | Urban District Council. | Wye . . . | Kent . . . | 51 0000 | 57E | Principal, South-Eastern Agr. Coll. |
| Tenby . . . | Pembroke . . . | 51 4004 | 42W | G. F. Rossiter, Esq., B.Sc. | Wyton . . . | Huntingdon . . . | 52 2100 | 07W | Meteorological Office. |
| Terrington St. Clement . . . | Norfolk . . . | 52 4500 | 18E | Borough Council. | Yeovilton . . . | Somerset . . . | 51 0002 | 38W | Commanding Officer, R.N.A.S. |
| Thetford . . . | Norfolk . . . | 52 2900 | 43E | Director, Exp. Husbandry Farm. | York . . . | Yorks., N.R. . . | 53 5701 | 05W | Yorks. Philosophical Society. |
| Thorney Island . . . | Sussex . . . | 50 4900 | 56W | Forestry Commission. | | | | | |
| Thorntonhall . . . | Lanark . . . | 55 4604 | 14W | Meteorological Office. | | | | | |
| | | | | Officer i/c, Building Research Station, D.S.I.R. | | | | | |

AIR MINISTRY
METEOROLOGICAL OFFICE

M.O. 592

THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1955



LONDON

HER MAJESTY'S STATIONERY OFFICE

1956

Annual Subscription 30s. Od. net, inc. post.

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, temperature and sunshine 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.

GENERAL ARRANGEMENTS OF THE REPORT

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

a.—General remarks on the Weather over the British 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. The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations and of the stations used in computing the district values of earth temperature is shown on page iv. The method of computation is explained in the "Notes on Tables I to IV" printed in each Monthly issue.

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

All the records are obtained from instruments of the pressure-tube type, except at Renfrew where a new electrical cup recorder has been brought into use.

d.—A plate of four maps showing :—

- i. The monthly distribution of pressure and winds, based on observations at selected stations at 9 h. : also the average distribution of pressure at 9 h. for the month for the period 1921-1950.
- ii. The movements of depressions.
- 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, rainfall and sunshine, and of weather observations. In January, 1945, at certain stations the period covered by the maximum readings was changed from 6-18 to 9-21 ; the period covered by the minimum readings was changed from 18-6 to 21-9, and the rainfall day was changed from 6-6 to 9-9. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table III (a).—Observations of duration of starlight at selected stations.

h.—Table III (b).—Direct solar radiation at Kew Obsy. and intensity of daylight at Kew Obsy. and Kingsway.

i.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at set hours. The hours, not being the same for all stations, are indicated in the Table. At certain stations the hours of observation were changed from 0, 6, 12 and 18h. to 3, 9, 15 and 21h. in January, 1945.

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 ground frost, i.e., minimum temperature on the grass 30.4°F. and below (from 1908), and the pressure at mean sea level (from 1912).

LIST OF STATIONS

A 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. x. 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.

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

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.

- 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 9h. G.M.T., and at certain stations at 21h. G.M.T. also, of pressure, temperature (wet- and dry-bulb), wind, amount of cloud and weather, with the daily maximum 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.

Crop Weather 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, 1955

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 EI E4 S |
| | Inverness .. | TR - - S | | Bradford .. | TR EI E4 S | | Cardiff .. | TR EI E4 S |
| | Lerwick .. | TR - - S | | Buxton .. | - EI E4 - | | Falmouth .. | TR - - S |
| | Stornoway .. | T- - - S | | Huddersfield .. | - EI E4 - | | Ifracombe .. | - EI E4 - |
| | Wick .. | TR - - - | | Nottingham .. | TR EI E4 S | | Plymouth .. | - EI - |
| 1 | Craibstone .. | TR - - S | 5 | Oxford .. | TR - - S | NORTHERN IRELAND | Rhayader .. | TR - - S |
| | Dundee .. | TR - - S | | Ross-on-Wye .. | TR - - S | | Swansea .. | - EI E4 - |
| | Edinburgh .. | TR - - S | | Sheffield .. | - EI E4 - | | Teignmouth .. | TR - - S |
| | Marchmont .. | TR - - S | | Camden Square .. | - EI E4 - | | | |
| | Nairn .. | TR - - S | | East Malling .. | TR - - S | | | |
| 6 | Dumfries .. | TR EI E4 S | 5 | Hastings .. | TR EI E4 S | NORTHERN IRELAND | Aldergrove .. | TR - - S |
| | Eskdalemuir .. | TR - - S | | Kew Observatory .. | TR EI E4 S | | Armagh .. | TR EI E4 S |
| | Renfrew .. | TR - - S | | Margate .. | - EI E4 - | | Garvagh .. | TR - - S |
| | Rothesay .. | TR EI E4 S | | Porton .. | TR - - S | | Hillsborough .. | - - - S |
| | Tiree .. | TR - - S | | Southampton .. | TR - - S | | | |
| 2 | Cockle Park .. | TR EI E4 S | 7 | Tunbridge Wells .. | - EI E4 - | NORTHERN IRELAND | | |
| | Cranwell .. | TR - - S | | Wisley .. | - EI E4 - | | | |
| | Durham .. | TR - - S | | Bidston .. | TR - - S | | | |
| | Hull .. | - EI E4 - | | Bolton .. | - EI E4 - | | | |
| | Scarborough .. | TR - - S | | Burnley .. | - EI E4 - | | | |
| 3 | York .. | TR - - S | | Darwen .. | - EI E4 - | | | |
| | Cambridge .. | TR EI E4 S | | Keswick .. | TR - - S | | | |
| | Gorleston .. | TR EI E4 S | | Llandudno .. | TR - - S | | | |
| | Rothamsted .. | TR - - S | | Southport .. | TR EI E4 S | | | |
| | Shoeburyness .. | TR - - S | | Stonyhurst .. | TR - - S | | | |
| 4 | Sprawston .. | TR - - S | | | | | | |
| | Woburn .. | - EI E4 - | | | | | | |

District 2. District values of air temperature for district 2 and for England and Wales have been recalculated for the period January 1954 to June 1955 using adjusted values for Cockle Park ; see p. vi.

District values of earth temperature at 1 ft. and 4 ft. have been recalculated for the period January to November 1955 omitting York ; see p. vi.

Bradford. Sunshine values for this station were used in the calculation of district values of sunshine for district 4 from January to June 1955 only.

Nottingham. Values of earth temperature at 4 ft. were not available for the period July to October and for the year 1955.

Southport. Records were not available after July 1955.

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.

MONTHLY WEATHER REPORT, 1955—TABLE III—ADDITIONS AND CORRECTIONS (*contd.*)

| | | G.M.T. | ft. | °F | °F | °F | °F | °F | mm. | in. | % | in. | hr. | % |
|-------------|-----|-----------------|--------|------|------|------|------|------|-----|--------|----|------------|------|------|
| Sept.—cont. | 137 | Newport | 59.9 | 60 | 51.2 | 59.1 | +0.7 | | | | | | | |
| " | 137 | Sellafield | 9.9.9 | 43 | 51.5 | 42.8 | 47.1 | — | 60 | 10, 11 | 34 | 15, 16, 17 | — | — |
| October | 149 | Sule Skerry | 9.9.9 | 43 | 52.8 | 43.0 | 47.9 | — | 64 | 9 | 30 | 22 | — | — |
| " | 149 | Balmacara House | 9.9.9 | 2 | 52.8 | 43.0 | 47.9 | — | 64 | 8 | 25 | 23 | — | — |
| " | 149 | Glenmore Lodge | 9.9.9 | 1000 | 49.5 | 35.8 | 42.7 | — | 64 | | | | 114 | 4-30 |
| " | 151 | Sprawsonwood | 21.9.9 | 205 | 52.5 | 43.6 | 47.6 | -0.7 | | | | | 29 | 1-13 |
| " | 151 | Harragate | 8.8.8 | 205 | 55.8 | 41.8 | 48.8 | — | 68 | 10 | 24 | 31 | 46 | 1-82 |
| " | 152 | Lyonshall | 8.8.8 | 424 | | | | | | | | | 49.7 | — |
| " | 153 | Marlborough | 9.9.9 | 1070 | | | | | | | | | 74 | 2-92 |
| " | 153 | Moor House | 9.9.9 | 200 | 57.4 | 42.5 | 49.9 | — | 67 | 8, 13 | 35 | 31 | -64 | 18 |
| " | 153 | Colwyn Bay | 9.9.9 | 384 | | | | | | | | | 15 | 11 |
| " | 154 | Pendeen | 9.9.9 | 384 | | | | | | | | | 0 | 0 |
| November | 165 | Sule Skerry | 9.9.9 | 43 | 51.2 | 45.1 | 48.1 | — | 57 | 6 | 35 | 28 | 57 | 2-23 |
| " | 166 | Chopwellwood | 9.9.9 | 446 | | | | | | | | | +2.0 | — |
| " | 167 | Cambridge | 2121.9 | 41 | 39.0 | 44.9 | +1.4 | — | | | | | 32 | 1-26 |
| " | 169 | Marlborough | 8.8.8 | 424 | 35.5 | 42.7 | +0.1 | — | | | | | 65 | — |
| " | 169 | Aldermaston | 9.9.9 | 1070 | | | | | | | | | 11 | 6 |
| " | 169 | Colwyn Bay | 9.9.9 | 118 | 51.1 | 41.3 | 46.2 | 0.0 | 59 | 5, 7 | 31 | 17, 30 | 46.0 | — |
| " | 170 | Newport | 9.9.9 | 75 | 50.9 | 45.3 | 47.1 | +0.4 | | | | | 37 | 1-44 |
| December | 170 | Sidmouth | 9.9.9 | 25 | 41.6 | 47.1 | — | | | | | | 45 | — |
| " | 181 | Kinlochewe | 9.9.9 | 82 | 44.6 | 33.6 | 39.1 | — | 59 | | | | 31 | 10 |
| " | 181 | Kelso | 9.9.9 | 195 | | | | | | | | | 8 | 8 |
| " | 182 | Acklington | 21.9.9 | 138 | 46.7 | 33.4 | 40.1 | -1.8 | 57 | 22 | 20 | 21 | — | 0 |
| " | 184 | Oaken | 9.9.9 | 409 | 47.6 | | | | | | | | 78 | 10 |
| " | 185 | Helmshore | 9.9.9 | 854 | | | | | | | | | 9 | 21 |
| | | | | | | | | | | | | | 14 | 20 |
| | | | | | | | | | | | | | 0 | 0 |
| | | | | | | | | | | | | | 4 | 1-32 |
| | | | | | | | | | | | | | — | S |
| | | | | | | | | | | | | | 1-29 | |

MONTHLY WEATHER REPORT, 1955—LIST OF STATIONS

The following changes should be made in the list published in the Introduction to the 1954 volume.

1.) Additions and alterations.

| Station | County | Lat. | Long. | Authority |
|---------------------------|--------------|-------------|-------|---|
| Ballyhalbert | Down | 54° 30' 05" | 29W | T. D. Boyd, Esq. |
| Baltausound | | | | S. S. S. Polson, Esq. |
| Blaenau Ffestiniog | Merioneth | 52° 59' 03" | 56W | Headmaster, County School. |
| Blechingley | Surrey | 51° 14' 00" | 06W | Headmaster, St. Catherine's School. |
| Bridgnorth | Shropshire | 52° 32' 02" | 25W | H. E. Trevor, Esq. |
| Christchurch | Hampshire | 50° 44' 01" | 47W | Chief Engineer, W. Hants. Water Co. |
| Cirencester | | 51° 43' 01" | 57W | |
| Coalburn | Lanark | 55° 35' 03" | 54W | Captain J. Ross |
| Colmonell | | | | Major General D. McConnell. |
| Cupar (Sugar Factory) | Fife | 56° 20' 02" | 59W | General Manager, British Sugar Corp. Ltd. |
| Dalwhinnie | | | | Rev. G. Ritchie for M.O. |
| Derby | Derby | 52° 56' 01" | 28W | Borough Engineer and Surveyor. |
| Dovercourt | | 51° 57' 01" | 16E | |
| Eglinpton | Londonderry | 55° 03' 07" | 09W | Commanding Officer, R.N.A.S. |
| Filey | Yorks., E.R. | 54° 13' 00" | 17W | Surveyor and Water Engineer. |
| Finchampstead | Berkshire | 51° 25' 00" | 55W | J. Reg. Allison, Esq. |
| Goldington | Bedford | 52° 09' 00" | 25W | J. K. Rothwell, Esq. |
| Halkirk (Olgrinbeg) | Caithness | 58° 27' 03" | 33W | N. Scotland Hydro-Electric Board. |
| Hankham | Sussex | 50° 49' 00" | 18E | A. E. Moon, Esq., F.R.Met.S. |
| Hawick (Wauchope) | Roxburgh | 55° 23' 02" | 39W | Forestry Commission (Scotland). |
| Hornastle | Lincoln | 53° 13' 00" | 09W | R. J. Blakeborough, Esq. |
| Isle of Grain | Kent | 51° 27' 00" | 43E | Kent Oil Refinery Ltd. |
| Kincraig | Inverness | 57° 08' 03" | 56W | Dr. C. B. Williams, F.R.S. |
| Letchworth | | | | Urban District Council. |
| Martyr Worthy | Hertford | 51° 58' 00" | 13W | Director, Exp. Husbandry Farm. |
| Neath | Hampshire | 51° 06' 01" | 16W | National Oil Refineries Ltd. |
| Penicuik | Glamorgan | 51° 39' 03" | 52W | Rev. John M. Laing. |
| Penkridge | Stafford | 52° 42' 02" | 06W | Principal, Farm Institute. |
| Pershore (Inst. of Hort.) | Worcester | 52° 05' 02" | 03W | Principal. |
| Poulton-le-Fylde | Lancashire | 53° 50' 03" | 00W | Headmaster, Baines Grammar School. |
| Ruabon | Denbigh | 52° 59' 03" | 50W | Monsanto Chemicals Ltd. |
| St. Mawgan | Cornwall | 50° 26' 05" | 05W | Meteorological Office. |
| Scallaway | Shetland | 60° 08' 01" | 17W | W. J. Williamson, Esq. |
| Selkirk (Bowhill) | Selkirk | 55° 32' 02" | 54W | Factor, Buccleuch Estates Ltd. |
| Silpho Moor | | | | Forestry Commission (Research Branch). |
| Stony Stratford | Buckingham | 52° 03' 00" | 51W | Headmaster, St. Giles' and St. Mary's Secondary School. |
| Swanley | Kent | 51° 25' 00" | 10E | Principal, Kent Horticultural Institute. |
| Swyddfynnon (Crug-las) | Cardigan | 52° 16' 03" | 55W | F. H. W. Green, Esq., Nature Conservancy. |
| Tynemouth | | | | Ministry of Transport. |
| Waddington | Lincoln | 53° 10' 00" | 31W | Meteorological Office. |
| West Linton | | | | Headmaster, Central School. |
| Wittering | Northampton | 52° 37' 00" | 27W | Meteorological Office. |
| Wokingham | Berkshire | 51° 25' 00" | 49W | Headmaster, St. Crispin's School. |

2.) Deletions.

Benson, Boghall, Cheltenham, Chittlehampton, Cupar, Farnham (Rowledge), Finningley, Grassington, Habrough, Hendon, Inverness (Cameron Barracks), Llandow, Lympne, Montrose, Northolt, Pershore, Ramsey, Stratford-on-Avon, Welshpool, Widcombe-in-the-Moor.

3.) Stations, not published in 1954, which were published in 1955.

Bickenhall, Broadstairs, Bryn Adda, Castle Douglas, Dundee (Mylnefield), Everton, Garston, Harrogate (Bilton), Kettering, Montrose (Royal Mental Hospital), Moreton Morrell, Newport (Mon.), Pendeen, Pitlochry, Sedlescombe, Slaidburn, Stone, Walton-on-Naze.

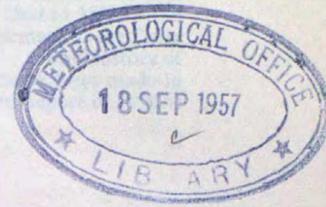
4.) Stations, published in 1954, which were not published in 1955.

Aberdeen (Mannofield), Barnstaple, Huntly.

AIR MINISTRY

M.O. 612

METEOROLOGICAL OFFICE



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THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1956



LONDON

HER MAJESTY'S STATIONERY OFFICE

1957

Annual Subscription 33s. Od. net, inc. post.

TABLE III (b) 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.

It is sometimes found advisable to apply revised calibration constants retrospectively; the figures published in Table III (b) 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 9h. 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 1ft. and 4ft.—In general the averages cover the period 1911-1925.

STANDARDS OF TIME

All time entries in the Monthly Weather Report are in Greenwich Mean Time. British Summer Time was in force from April 22 to Oct. 7; 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 1956 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 1956

Some additional records for 1956 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. vii. 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 9h. G.M.T., and at certain stations at 21h. 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.

Crop Weather 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, 1956

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 .. | T- - - 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 - | | | |
| | Nairn .. | TR - - S | | East Malling .. | TR - - S | | | |
| 6 | Dumfries .. | TR E1 E4 S | | Hastings .. | TR E1 E4 S | | | |
| | Eskdalemuir .. | TR - - S | | Kew Observatory .. | TR E1 E4 S | | | |
| | Renfrew .. | TR - - S | | Margate .. | - E1 E4 - | | | |
| | Rothesay .. | 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. Wick. Sunshine values used from April, 1956.

1. Marchmont. Temperature data not used for November and Year, 1956.
6. Rothesay. Sunshine values not available from July, 1956.
2. Cockle Park. Temperature data not used for October, November and Year, 1956.
3. Sprowston. Temperature data not used for November, 1956.
7. Bolton. 4 ft. earth temperatures not available from August to October, 1956.
Burnley. 4 ft. earth temperatures not available from June, 1956.
- Manchester. Sunshine values not used from April, 1956.

Northern Ireland. Garvagh. Temperature data not used for January and Year, 1956.

MONTHLY WEATHER REPORT, 1956.—CORRECTIONS TO TEXT

| | |
|------------|---|
| January. | Extreme temperatures for the month (Scotland). 1°F. at Logie Coldstone on the 10th. |
| February | General sunshine over Scotland. 94%. |
| April. | Difference from average mean temperature in Northern Ireland. -0.7°F. Extreme temperatures for the month (Northern Ireland). 20°F. at Garvagh on the 18th. |
| May | Difference from average mean temperature in Scotland. +2.0°F. |
| September. | Extreme temperatures for the month (Northern Ireland). 36°F. at Nutts Corner on the 1st. |
| November. | General sunshine over Scotland. 80%. |

MONTHLY WEATHER REPORT, 1956—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° |
| May | Rothesay | 0 | 0 | 0 | 25 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25 | 1 | 0 |
| July | Renfrew | 0 | 0 | 0 | 6 | 21 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 21 | 23 | 0 |
| September | Rothesay | 0 | 0 | 0 | 18 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 20 | 2 |
| October | Rossesay | 0 | 0 | 0 | 1 | 23 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 14 | 5 | 0 |
| November | Manchester | 0 | 0 | 7 | 16 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 16 | 3 | 0 |
| December | Manchester | 0 | 2 | 15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 15 | 0 |
| | Cockle Park | 0 | 4 | 19 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 10 | 0 |
| | Rothesay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Rothesay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

MONTHLY WEATHER REPORT, 1956—LIST OF STATIONS

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

1.) Additions and alterations.

| Station | County | Lat. | Long. | Authority |
|--|--------------|-------|--------|--|
| Alwen | Denbigh | 53 04 | 03 33W | Water Engineer, Birkenhead. |
| Bangor | Down | 54 39 | 05 39W | Entertainments Manager. |
| Barhead | Renfrew | 55 49 | 04 23W | Burgh Surveyor. |
| Belfast (Stormont Castle) | Down | 54 35 | 05 48W | Ministry of Finance. |
| Blackpool Tower | Lancashire | 53 48 | 03 02W | The Tower Company Ltd. |
| Blairgowrie | Perth | 56 35 | 03 20W | D. A. Robertson, Esq. |
| Blyth Bridge (Blythbank) | Peebles | 55 42 | 03 22W | Animal Breeding Research Organisation. |
| Bodium | Peebles | 55 33 | 03 24W | Guinness Hop Farms Ltd. |
| Broughton (Stanhope) | Peebles | 55 33 | 03 24W | Animal Breeding Research Organisation. |
| Buxton | | | | Borough Librarian and Curator. |
| Bwlchgwyn | | | | Wrexham and E. Denbigh Water Co. |
| Cannich | Inverness | 57 17 | 04 49W | Forestry Commission (Scotland). |
| Cheltenham | Gloucester | 51 54 | 02 03W | Town Clerk. |
| Constantine | Cornwall | 50 07 | 05 09W | Paul Harrison, Esq. |
| Coryton | Essex | 51 30 | 00 31E | Mobil Oil Co. Ltd. |
| Darwen | | | | Senior Public Health Inspector. |
| Dundee Harbour | Angus | 56 28 | 02 58W | Dundee Harbour Trust. |
| Dungeness | | | | Trinity House. |
| East Grinstead | Sussex | 51 07 | 00 01W | Headmaster, Coombe Hall School. |
| Fyvie Castle | Aberdeen | 57 26 | 02 23W | Sir Ian Forbes-Leith, Bart. |
| Garstang | Lancashire | 53 55 | 02 48W | Director, N.I.A.B., Cambridge. |
| Glamis Castle | Angus | 56 38 | 03 00W | Strathmore Estates. |
| Glenshee Lodge | Perth | 56 48 | 03 25W | Lt. Col. C. P. Peil. |
| Greenock | | | | Water Engineer. |
| Haddington | E. Lothian | 55 57 | 02 47W | Town Council. |
| Halesowen | Worcester | 52 26 | 02 04W | C. G. Roberts, Esq. |
| Hawes | Yorks., N.R. | 54 18 | 02 12W | Aysgarth Urban District Council. |
| Lairg (Achanry) | Sutherland | 57 59 | 04 25W | Forestry Commission (Scotland). |
| Lochboisdale | Inverness | 57 09 | 07 19W | J. MacPhee, Esq., for M.O. |
| Lossiemouth | Moray | 57 43 | 03 20W | Commanding Officer, R.N.A.S. |
| Parkmore Forest | Antrim | 55 01 | 06 07W | Queen's University, Belfast. |
| Pitlochry | Perth | 56 43 | 03 44W | Town Clerk. |
| Pitlochry (Faskally) formerly Pitlochry | Perth | 56 43 | 03 46W | Forestry Commission (Scotland). |
| Portland Bill | | | | Trinity House. |
| Rattray Head | | | | Inspector, H.M. Coastguard. |
| Rochester | Kent | 51 22 | 00 30E | Principal Teacher, H.M. Borstal Institution. |
| St. Abb's Head | | | | Northern Lighthouse Board. |
| St. Asaph | Flint | 53 16 | 03 26W | Forestry Commission. |
| Straford on Avon (Drayton) | Warwick | 52 11 | 01 44W | Director, Exp. Husbandry Farm. |
| Strathyre | Perth | 56 19 | 04 19W | Forestry Commission (Scotland). |
| Tayport | Fife | 56 27 | 02 52W | Dundee Harbour Trust. |
| Udny | Aberdeen | 57 18 | 02 09W | University of Aberdeen. |
| Uffculme | Devon | 50 54 | 03 20W | Headmaster, County Secondary School. |
| Wrexham | | | | Headmaster, Grove Park School. |

2.) Deletions.

Birmingham (Sparkhill), Cheshunt, Cottesmore, Cranfield, Dawlish, Dunfermline, Freshwater, Fyfield, Horley, Hunstanton, Lisburn, Padgate, Pendle, Polegate, Sanderstead, Scampton, Whipsnade, Wilmington.

3.) Stations, not published in 1955, which were published in 1956.

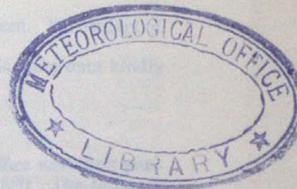
Aberdeen (Mannofield), Blackbushe, Bovingdon, Cirencester, Coalburn, Cupar (Sugar Factory), Derby, Dungeness, Dunoon Water Works, Filey, Gillingham, Gogerddan, Goldington, Halkirk (Olgrinbeg), Harrold, Hawick (Wauchope), Haydon Bridge, Hayling Island, Huntly, Isle of Grain, Jersey Airport, Neath, Rugby, Saffron Walden, Selkirk (Bowhill), Stony Stratford, Swyddfynnon (Crug-lâs), Upavon, Wokingham.

4.) Stations, published in 1955, which were not published in 1956.

Colmonell, Harrogate (Bilton), Marlborough, St. Catherine's Point, St. Eval, Southport, Stratford on Avon (Drayton), West Linton.

M.Q.625

METEOROLOGICAL OFFICE
AIR MINISTRY



THE MONTHLY WEATHER REPORT

1957

LONDON: HER MAJESTY'S STATIONERY OFFICE

TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorcynski 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 | | Iffracombe .. | - 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 - | | | |
| | Nairn .. | TR - - S | | East Malling .. | TR - - S | | | |
| 6 | Dumfries .. | TR E1 E4 S | | Hastings .. | TR E1 E4 S | | | |
| | Eskdalemuir .. | TR - - S | | Kew Observatory .. | TR E1 E4 S | | | |
| | Renfrew .. | TR - - S | | Margate .. | - E1 E4 - | | | |
| | Rothesay .. | 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 | | | |
| | Shoebury Ness .. | TR - - S | | Stonyhurst .. | TR - - S | | | |
| | Sprawston .. | TR - - S | | | | | | |
| | Woburn .. | - E1 E4 - | | | | | | |

- District 0. Stornoway. Rainsfall 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. Rothesay. 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—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 |
|---------------------------------|-------------------|----------------|---------|--|
| Alderney | Channel Isles | 49° N 54° N | 02' 02" | 13W |
| Allendale Town | Northumberland | 54° | 04' 02" | 15W |
| Ampleforth | | | | Clerk of the States. |
| Bardsey Island | Caernarvon | 52° | 45' 04" | 48W |
| Barrow-in-Furness | Lancashire | 54° | 08' 03" | 12W |
| Brawdy | Pembroke | 51° | 53' 05" | 09W |
| Caldecott | Leicester | 52° | 31' 00" | 44W |
| Church Stretton | Shropshire | 52° | 31' 02" | 50W |
| Coleraine | Londonderry | 55° | 08' 06" | 41W |
| Corwen | Merioneth | 52° | 57' 03" | 25W |
| Crask | Sutherland | 58° | 11' 04" | 31W |
| Crumblad Plantation | Monmouth | 51° | 43' 02" | 46W |
| Dovercourt | Essex | 51° | 55' 01" | 15E |
| Faversham | Kent | 51° | 17' 00" | 52E |
| Fort William | | | | Miss Irvine. |
| Garve (Inchbae) | Ross and Cromarty | 57° | 41' 04" | 41W |
| Grantown-on-Spey | Moray | 57° | 20' 03" | 37W |
| Great Bookham | Surrey | 51° | 16' 00" | 21W |
| Inverness | Inverness | 57° | 29' 04" | 13W |
| Isle of Rhum | Inverness | 57° | 01' 06" | 17W |
| Killinghall | Yorks., W.R. | 54° | 01' 01" | 35W |
| Langar | Nottingham | 52° | 54' 00" | 54W |
| Longforgan (Woodlands) | Perth | 56° | 28' 03" | 08W |
| Loughgall | Armagh | 54° | 24' 06" | 36W |
| Lowestoft | Suffolk | 52° | 30' 01" | 45E |
| Mull of Galloway | Wigtown | 54° | 38' 04" | 51W |
| Onecole | Stafford | 53° | 07' 01" | 57W |
| Paisley | | | | University College of N. Staffs. |
| Pershore | Worcester | 52° | 08' 02" | 02W |
| Rhuvaal | Argyll | 55° | 56' 06" | 07W |
| Rowlands Gill | Durham | 54° | 55' 01" | 45W |
| St. Kilda | Inverness | 57° | 48' 08" | 34W |
| Stranraer | Wigtown | 54° | 59' 04" | 55W |
| Tobermory | Argyll | 56° | 37' 06" | 05W |
| Walton | Cumberland | 55° | 00' 02" | 45W |
| Welshpool | Montgomery | 52° | 39' 03" | 08W |
| Wheaton Aston | 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, Kinraig, Lairg (Achan), Pershore (Institute of Horticulture), Ponteland, Poulton-le-Fylde, Ruabon, Ruthwell, Stratford on Avon (Drayton), Strathyre, Udny, 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—LIST OF STATIONS | | | | | | | | | | | |
|---|-------|---------|-------|-----------|------|-------|-------|---------|------|-------|-------|
| ADDITIONS AND ALTERATIONS | | | | DELETIONS | | | | NOTES | | | |
| STATION | LAT. | LONG. | NOTES | STATION | LAT. | LONG. | NOTES | STATION | LAT. | LONG. | NOTES |
| Alderney | 49° N | 02' 02" | 13W | | | | | | | | |
| Allendale Town | 54° | 04' 02" | 15W | | | | | | | | |
| Ampleforth | | | | | | | | | | | |
| Bardsey Island | 52° | 45' 04" | 48W | | | | | | | | |
| Barrow-in-Furness | 54° | 08' 03" | 12W | | | | | | | | |
| Brawdy | 51° | 53' 05" | 09W | | | | | | | | |
| Caldecott | 52° | 31' 00" | 44W | | | | | | | | |
| Church Stretton | 52° | 31' 02" | 50W | | | | | | | | |
| Coleraine | 55° | 08' 06" | 41W | | | | | | | | |
| Corwen | 52° | 57' 03" | 25W | | | | | | | | |
| Crask | 58° | 11' 04" | 31W | | | | | | | | |
| Crumblad Plantation | 51° | 43' 02" | 46W | | | | | | | | |
| Dovercourt | 51° | 55' 01" | 15E | | | | | | | | |
| Faversham | 51° | 17' 00" | 52E | | | | | | | | |
| Fort William | | | | | | | | | | | |
| Garve (Inchbae) | 57° | 41' 04" | 41W | | | | | | | | |
| Grantown-on-Spey | 57° | 20' 03" | 37W | | | | | | | | |
| Great Bookham | 51° | 16' 00" | 21W | | | | | | | | |
| Inverness | 57° | 29' 04" | 13W | | | | | | | | |
| Isle of Rhum | 57° | 01' 06" | 17W | | | | | | | | |
| Killinghall | 54° | 01' 01" | 35W | | | | | | | | |
| Langar | 52° | 54' 00" | 54W | | | | | | | | |
| Longforgan (Woodlands) | 56° | 28' 03" | 08W | | | | | | | | |
| Loughgall | 54° | 24' 06" | 36W | | | | | | | | |
| Lowestoft | 52° | 30' 01" | 45E | | | | | | | | |
| Mull of Galloway | 54° | 38' 04" | 51W | | | | | | | | |
| Onecole | 53° | 07' 01" | 57W | | | | | | | | |
| Paisley | | | | | | | | | | | |
| Pershore | 52° | 08' 02" | 02W | | | | | | | | |
| Rhuvaal | 55° | 56' 06" | 07W | | | | | | | | |
| Rowlands Gill | 54° | 55' 01" | 45W | | | | | | | | |
| St. Kilda | 57° | 48' 08" | 34W | | | | | | | | |
| Stranraer | 54° | 59' 04" | 55W | | | | | | | | |
| Tobermory | 56° | 37' 06" | 05W | | | | | | | | |
| Walton | 55° | 00' 02" | 45W | | | | | | | | |
| Welshpool | 52° | 39' 03" | 08W | | | | | | | | |
| Wheaton Aston | 52° | 43' 02" | 13W | | | | | | | | |

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THE
MONTHLY
WEATHER REPORT
1958

LONDON: HER MAJESTY'S STATIONERY OFFICE

1959

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TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorczynski 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 1, 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.

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 1916–1950 and are 'weighted' if the record is not complete for that period. The averages of rainfall are given in M.O. 635.

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 period 1921–1950 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.—The averages cover the period 1921–50.

STANDARDS OF TIME

All time entries in the Monthly Weather Report are in Greenwich Mean Time. British Summer Time was in force from April 20 to October 5; 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 1958 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 1958

Some additional records for 1958 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 h., 6 h., 12 h. and 18 h. 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 is included on pp. ix–xii; the last complete list was published in 1954. 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 on pp. ix–xii the alphabetical order is adopted, the latitude and longitude of each station being given. The National Grid References of stations are available if required.

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, 1958

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 .. | T - - - | 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | TR - - S |
| | Inverness .. | TR - - S | | Earls Colne .. | - E1 E4 - | | Bolton .. | - E1 E4 - |
| | Lerwick .. | TR - - S | | Gorleston .. | TR E1 E4 S | | Burnley .. | - E1 E4 - |
| | Onich .. | R - - S | | Rothamsted .. | TR E1 E4 S | | Keswick .. | TR E1 E4 S |
| | Stornoway .. | TR - - S | | Shoeburyness .. | TR - - S | | Llandudno .. | TR - - S |
| | Wick .. | TR - - S | | Sprawston .. | TR - - S | | Manchester .. | TR - - S |
| 1 | Craibstone .. | TR - - S | 4 | Woburn .. | - E1 E4 - | 8 | Stonyhurst .. | TR - - S |
| | Dundee .. | TR - - S | | Birmingham .. | TR - - S | | Bath .. | TR E1 E4 S |
| | Edinburgh .. | TR - - S | | Bradford .. | TR E1 E4 - | | Cardiff .. | TR E1 E4 S |
| | Marchmont .. | TR - - S | | Buxton .. | - E1 E4 - | | Falmouth .. | TR - - S |
| | Nairn .. | TR - - S | | Huddersfield .. | - - S | | Ilfracombe .. | - E1 E4 - |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Nottingham .. | TR - - S | 9 | Plymouth .. | - E1 E4 - |
| | Eskdalemuir .. | TR - - S | | Oxford .. | TR E1 E4 S | | Llandrindod Wells .. | TR - - S |
| | Kilmarnock .. | - E1 E4 - | | Raunds .. | - E1 E4 - | | Swansea .. | - E1 E4 - |
| | Paisley .. | - E1 E4 - | | Ross-on-Wye .. | TR E1 E4 S | | Teignmouth .. | TR - - S |
| | Renfrew .. | TR - - S | | East Malling .. | TR - - S | | NORTHERN | |
| | Rothesay .. | TR E1 E4 S | | Hastings .. | TR E1 E4 S | | IRELAND | |
| 2 | Stirling .. | - E1 E4 - | | Kew Observatory .. | TR E1 E4 S | | Aldergrove .. | TR - - S |
| | Tiree .. | TR - - S | | Margate .. | - E1 E4 - | | Armagh .. | TR - - S |
| | Cockle Park .. | TR - - S | | Porton .. | TR - - S | | Garvagh .. | TR - - - |
| | Cranwell .. | TR E1 E4 S | | Southampton .. | TR - - S | | Hillsborough .. | - - - S |
| | Durham .. | TR - - S | | Wisley .. | - E1 E4 - | | | |
| Hull .. | - E1 E4 - | | | | | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |
| | | | | | | | | |

Districts 0, 1. Nairn. Used in both Districts throughout the year as an exceptional measure; temperature values were not available for July 1958.

District 1. Dundee. Sunshine values not used from February to December 1958.

5. Margate. One foot Earth temperature values not available from March to December 1958.

6. Rothesay. Air and Earth temperature and Rainfall values not available for December 1958.

7. Bolton. Earth temperature values not available for December 1958.

Manchester. Not available from February to December 1958.

8. Cardiff. Four feet Earth temperature values not available for February 1958.

Means of these elements for the above stations with incomplete records are not used in the Annual Summary for the Year 1958.

MONTHLY WEATHER REPORT, 1958—LIST OF STATIONS

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority | | |
|---------------------------|-----------------|------|-------|-----------|--------------------------------------|------------------|------------|-------|-----------|-----|--|
| Aber | Caernarvon | 53 | 14 04 | 01W | Professor of Agriculture. | Brighton | Sussex | 50 | 49 00 | 08W | Waterworks Engineer. |
| Aberdeen (Mannofield) | Aberdeen | 57 | 08 02 | 08W | Town Clerk | Bristol (Filton) | Gloucester | 51 | 31 02 | 35W | Meteorological Office. |
| Aberporth | Cardigan | 52 | 08 04 | 34W | Meteorological Office. | Bromley | Kent | 51 | 24 00 | 01E | Borough Engineer. |
| Aberystwyth | Cardigan | 52 | 25 04 | 04W | Town Clerk. | Broughton | Peebles | 55 | 33 03 | 24W | Animal Breeding Research Orgn. |
| " Llety-evan-hen | Cardigan | 52 | 27 03 | 56W | Director, Plant Breeding Station. | Brym Adda | Caernarvon | 53 | 13 04 | 09W | Director, Exp. Horticultural Stn. |
| , P.B.S. | Cardigan | 52 | 25 04 | 03W | Director, Plant Breeding Station. | Buddon Ness | Angus | 56 | 28 02 | 44W | Dundee Harbour Trust. |
| Abingdon | Berkshire | 51 | 41 01 | 19W | Meteorological Office. | Bude | Cornwall | 50 | 50 04 | 33W | Urban District Council. |
| Achnashellach | Ross & Cromarty | 57 | 29 05 | 16W | Forestry Commission (Scotland). | Bunhill Row | London | 51 | 31 00 | 05W | Thomas De La Rue and Co. Ltd. |
| Acklington | Northumberland | 55 | 18 01 | 38W | Meteorological Office. | Burlingham | Norfolk | 52 | 38 01 | 30E | Norfolk Education Committee. |
| Addington | Surrey | 51 | 32 00 | 04W | Croydon Corporation. | Burnley | Lancashire | 53 | 43 02 | 15W | Medical Officer of Health. |
| Aldergrove | Antrim | 54 | 39 06 | 13W | Meteorological Office. | Bush House | Midlothian | 55 | 51 03 | 13W | Secretary, School of Agriculture. |
| Alderney | Channel Isles | 49 | 42 02 | 13W | Clerk of the States. | Buxton | Derby | 53 | 15 01 | 55W | Borough Librarian and Curator. |
| Alice Holt Lodge | Hampshire | 51 | 11 00 | 51W | Forestry Commission. | Bwlchgwyn | Denbigh | 53 | 04 03 | 08W | Secretary, Wrexham & E. Denbighshire Water Co. |
| Allendale Town | Northumberland | 54 | 54 02 | 15W | Headmaster, Primary School. | | | | | | |
| Alwen | Denbigh | 53 | 04 03 | 33W | Water Engineer, Birkenhead. | | | | | | |
| Ambleside | Westmorland | 54 | 26 02 | 57W | Lakes Urban District Council. | | | | | | |
| Ampleforth | Yorks., N.R. | 54 | 12 01 | 05W | Rev. M. R. Everest, O.S.B., B.A. | | | | | | |
| Arbroath | Angus | 56 | 33 02 | 35W | Town Council. | | | | | | |
| Armagh | Armagh | 54 | 21 06 | 39W | Director of Observatory. | | | | | | |
| Askham Bryan | Yorks., W.R. | 53 | 57 01 | 05W | Principal, Institute of Agriculture. | | | | | | |
| Auchincruive | Ayr | 55 | 29 04 | 34W | Secretary, W. Scot. Agric. College. | | | | | | |
| Avonmouth | Gloucester | 51 | 30 02 | 43W | Port of Bristol Authority. | | | | | | |
| Aylesbury | Buckingham | 51 | 47 00 | 47W | County Education Committee. | | | | | | |
| Balerno | Midlothian | 55 | 52 03 | 21W | Dr. A. D. Buchanan-Smith. | | | | | | |
| Ballyhalbert | Down | 54 | 30 05 | 29W | T. D. Boyd, Esq. | | | | | | |
| Ballykelly | Londonderry | 55 | 04 07 | 01W | Meteorological Office. | | | | | | |
| Balmacara House | Ross & Cromarty | 57 | 17 05 | 39W | Principal. | | | | | | |
| Balmoral | Aberdeen | 57 | 02 03 | 12W | Major W. Haig, Estate Offices. | | | | | | |
| Baltaisound | Zetland | 60 | 46 00 | 53W | S. S. Polson, Esq. | | | | | | |
| Banff | Banff | 57 | 40 02 | 31W | Town Clerk. | | | | | | |
| Bangor | Down | 54 | 39 05 | 39W | Entertainments and Publicity Mgr. | | | | | | |
| Barbsey Island | Caernarvon | 52 | 45 04 | 48W | Miss J. I. E. Rubio. | | | | | | |
| Bargrennan | Kircudbright | 55 | 04 04 | 34W | Forestry Commission (Scotland). | | | | | | |
| Barmouth | Merioneth | 52 | 43 04 | 03W | Urban District Council. | | | | | | |
| Barnstaple | Devon | 51 | 05 04 | 04W | Librarian, N. Devon Athenaeum. | | | | | | |
| Barr | Ayr | 55 | 13 04 | 43W | Forestry Commission (Scotland). | | | | | | |
| Barthead | Renfrew | 55 | 49 04 | 23W | Burgh Surveyor. | | | | | | |
| Barrow-in-Furness | Lancashire | 54 | 08 03 | 12W | Headmaster, Grammar School. | | | | | | |
| Bath | Somerset | 51 | 23 02 | 21W | Medical Officer of Health. | | | | | | |
| " City Boys' School | Somerset | 51 | 22 02 | 22W | Medical Officer of Health. | | | | | | |
| Bayfordbury | Hertford | 51 | 47 00 | 05W | John Innes Horticultural Institute. | | | | | | |
| Belfast (Stormont Castle) | Down | 54 | 36 05 | 49W | Estate Superintendent. | | | | | | |
| Bellingham | Northumberland | 55 | 13 02 | 18W | Sir Charles Morrison-Bell, Bart. | | | | | | |
| Bell Rock | Angus | 56 | 26 02 | 24W | Northern Lighthouse Board. | | | | | | |
| Belper | Derby | 53 | 01 01 | 29W | Headmaster, Herbert Strutt School. | | | | | | |
| Benbecula | Inverness | 57 | 28 07 | 22W | Meteorological Office. | | | | | | |
| Berwick-on-Tweed | Northumberland | 55 | 46 02 | 00W | Borough Surveyor. | | | | | | |
| Bexhill | Sussex | 50 | 50 00 | 28E | Borough Council. | | | | | | |
| Bickennhall | Somerset | 50 | 57 03 | 00W | A. H. Turner, Esq. | | | | | | |
| Bidston | Cheshire | 53 | 24 03 | 04W | Director of Observatory. | | | | | | |
| Bingley | Yorks., W.R. | 53 | 51 01 | 52W | Director, St. Ives Research Station. | | | | | | |
| Birmingham | Warwick | 52 | 28 01 | 56W | Birmingham and Midland Institute. | | | | | | |
| " King Edward's School | Warwick | 52 | 27 01 | 55W | Headmaster. | | | | | | |
| Blackbushe | Hampshire | 51 | 19 00 | 51W | Meteorological Office. | | | | | | |
| Blackpool Tower | Lancashire | 53 | 48 03 | 02W | Tower Company Ltd. | | | | | | |
| Blaenau Ffestiniog | Merioneth | 52 | 59 03 | 56W | Headmaster, County School. | | | | | | |
| Blairgowrie | Perth | 56 | 35 03 | 20W | D. A. Robertson, Esq. | | | | | | |
| Bletchingley | Surrey | 51 | 14 00 | 06W | Headmaster, St. Catherine's School. | | | | | | |
| Bletchley | Buckingham | 52 | 00 00 | 44W | Headmaster, Grammar School. | | | | | | |
| Blyth Bridge | Peebles | 55 | 42 03 | 22W | Animal Breeding Research Orgn. | | | | | | |
| Bodiam | Sussex | 51 | 00 00 | 33E | Guinness Hop Farms Limited. | | | | | | |
| Bognor Regis | Sussex | 50 | 47 00 | 41W | Urban District Council. | | | | | | |
| Bolton | Lancashire | 53 | 35 02 | 27W | Corporation of Bolton. | | | | | | |
| Boscombe Down | Wiltshire | 51 | 10 01 | 45W | Meteorological Office. | | | | | | |
| Bournemouth | Hampshire | 50 | 43 01 | 53W | Medical Officer of Health. | | | | | | |
| Bovingdon | Hertford | 51 | 43 00 | 32W | Meteorological Office. | | | | | | |
| Boxworth | Cambridge | 52 | 15 00 | 01W | Director, Exp. Husbandry Farm. | | | | | | |
| Bradford | Yorks., W.R. | 53 | 49 01 | 46W | Corporation of Bradford. | | | | | | |
| Braemar | Aberdeen | 57 | 00 03 | 24W | J. C. Donaldson, Esq. | | | | | | |
| Bramham | Yorks., W.R. | 53 | 52 01 | 20W | Professor of Agriculture. | | | | | | |
| Brampton | Cumberland | 55 | 00 02 | 45W | W. W. Anson, Esq. | | | | | | |
| Bravdy | Pembroke | 51 | 53 05 | 09W | Commanding Officer, R.N.A.S. | | | | | | |
| Bridgnorth | Shropshire | 52 | 32 02 | 25W | H. E. Trevor, Esq. | | | | | | |
| Bridlington | Yorks., E.R. | 54 | 06 00 | 12W | Water Engineer and Manager. | | | | | | |

MONTHLY WEATHER REPORT, 1958—LIST OF STATIONS—continued

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority | | |
|-------------------------------|-----------------|------|-------|-----------|--|-----------------------------|----------------|-------|-----------|------------------|--|
| | | ° N | ° E | | | | ° N | ° E | | | |
| Droitwich .. . | Worcester | 52 | 16 02 | 09W | Borough Engineer. | Glenshee Lodge .. . | Perth | 56 | 48 03 | 25W | Lt.-Col. C. Peel. |
| Dumfries .. . | Dumfries | 55 | 04 03 | 36W | Physician Supt., Crichton Royal Inst. | Gogerddan .. . | Cardigan | 52 | 26 04 | 01W | Director, Plant Breeding Station. |
| Dunbar .. . | East Lothian | 56 | 00 22 | 31W | Burgh Surveyor. | Goldington .. . | Bedford | 52 | 09 00 | 25W | J. K. Rothwell, Esq. |
| Dundee .. . | Angus .. . | 56 | 28 02 | 56W | Director of Studies, Training College. | Gordon Castle .. . | Moray | 57 | 37 03 | 05W | Col. G. C. Gordon Lennox, C.V.O., D.S.O. |
| Dundee Harbour .. . | Angus .. . | 56 | 28 02 | 58W | Dundee Harbour Trust. | Gorleston .. . | Norfolk | 52 | 35 01 | 43E | Min. of Transport (Coastguard Sect.). |
| Dundee (Mylniefield) | Angus .. . | 56 | 27 03 | 04W | Director, Scottish Hort. Res. Inst. | Goudhurst .. . | Kent | 51 | 05 00 | 27E | Forestry Commission. |
| Dundonald .. . | Down .. . | 54 | 35 05 | 48W | W. R. McKibbin, Esq. | Grantown-on-Spey .. . | Moray | 57 | 20 03 | 37W | Town Clerk. |
| Dungeness .. . | Kent .. . | 50 | 55 06 | 58E | Trinity House. | Great Bookham .. . | Surrey | 51 | 16 00 | 21W | Director, Poultry Progeny Testg. Stn. |
| Dunoon (Benmore) | Argyll .. . | 56 | 02 04 | 59W | Forestry Commission (Scotland). | Great Dun Fell .. . | Westmorland | 54 | 35 02 | 28W | Min. of Transport & Civil Aviation. |
| Dunoon Water Works | Argyll .. . | 55 | 56 04 | 56W | Burgh Engineer. | Greenock .. . | Renfrew | 55 | 56 04 | 46W | Water Engineer. |
| Dunstable .. . | Bedford | 51 | 53 00 | 33W | Meteorological Office. | Greenwich .. . | London | 51 | 29 00 | 00 | Director, National Maritime Museum. |
| Duntulm .. . | Inverness | 57 | 39 06 | 22W | Seton Gordon, Esq., C.B.E. | Grimsetter .. . | Orkney | 58 | 58 02 | 54W | Meteorological Office. |
| Durham .. . | Durham | 54 | 46 01 | 35W | Director, University Observatory. | Guerney .. . | Channel Isles | 49 | 26 02 | 36W | Commandant, States Airport. |
| Dyce .. . | Aberdeen | 57 | 12 02 | 12W | Meteorological Office. | Guylval .. . | Cornwall | 50 | 08 05 | 32W | Sutton and Sons, Ltd. |
| Earls Colne .. . | Essex | 51 | 55 00 | 42E | Headmaster, Gammar School. | Gunby .. . | Lincoln | 52 | 43 00 | 45W | Corby and District Water Co. |
| East Bergholt .. . | Suffolk | 51 | 57 01 | 02E | Council for Prom. of Field Studies. | Haddington .. . | East Lothian | 55 | 57 02 | 47W | Town Clerk. |
| Eastbourne .. . | Sussex | 50 | 46 00 | 17E | Medical Officer of Health. | Halesowen .. . | Worcester | 52 | 26 02 | 04W | C. G. Roberts, Esq. |
| Eastbourne (Coastguard) | Sussex | 50 | 46 00 | 18E | Min. of Transport (Coastguard Sect.). | Halkirk (Ogrinbeg) .. . | Cairnhead | 58 | 27 03 | 33W | N. Scot. Hydro-Electric Board. |
| East Budleigh .. . | Devon | 50 | 40 03 | 19W | Colonel O. M. Dyke. | Hampstead .. . | London | 51 | 34 00 | 11W | E. L. Hawke, Esq., M.A., F.R.Met.S. |
| East Grinstead .. . | Sussex | 51 | 07 00 | 03W | Headmaster, Coombe Hall School. | Hampton .. . | Middlesex | 51 | 25 00 | 22W | Metropolitan Water Board. |
| East Ham .. . | Essex | 51 | 32 00 | 04E | Town Clerk. | Hankham .. . | Sussex | 50 | 49 00 | 18E | A. E. Moon, Esq., F.R.Met.S. |
| East Malling .. . | Kent | 51 | 17 00 | 24E | Director, Research Station. | Harlech .. . | Merioneth | 52 | 52 04 | 05W | E. H. Price, Esq. for M.O. |
| Eastwick Lodge .. . | Hertford | 51 | 47 00 | 05E | Harlow Development Corporation. | Harrow (Bilton) .. . | Yorks. W.R. | 54 | 01 01 | 33W | Borough Engineer. |
| Edinburgh .. . | | | | | Harrowd .. . | Bedford | 52 | 12 00 | 36W | R. H. Dodd, Esq. | |
| Blackford Hill .. . | Midlothian | 55 | 55 03 | 11W | Astronomer Royal for Scotland. | Hartland Point .. . | Devon | 51 | 01 04 | 32W | Min. of Transport (Coastguard Sect.). |
| Botanic Garden .. . | Midlothian | 55 | 58 03 | 12W | Curator, Botanic Garden. | Hastings .. . | Sussex | 50 | 51 00 | 34E | Director of Publicity. |
| Davidson's Mains .. . | Midlothian | 55 | 58 03 | 17W | J. W. Younger, Esq. | Haverfordwest .. . | Pembroke | 51 | 48 04 | 58W | Borough Surveyor. |
| East Craigs .. . | Midlothian | 55 | 57 03 | 19W | Director, Dept. of Agriculture. | Hawarden Bridge .. . | Flint | 53 | 12 03 | 01W | John Summers and Sons, Ltd. |
| Liberton .. . | Midlothian | 55 | 55 03 | 10W | Secretary, E. Scot. Agric. College. | Hawes .. . | Yorks. N.R. | 54 | 18 02 | 12W | Aysgarth Urban District Council. |
| Elgin .. . | Moray .. . | 57 | 38 03 | 18W | Town Clerk. | Hawick (Wauchope) .. . | Roxburgh | 55 | 23 02 | 39W | Forestry Commission (Scotland). |
| Ellbridge .. . | Cornwall .. . | 50 | 27 04 | 15W | County Agric. Executive Committee. | Hawkridge (Liscombe) .. . | Somerset | 50 | 58 03 | 36W | Director, Exp. Husbandry Farm. |
| Elmdon .. . | Warwick .. . | 52 | 27 01 | 45W | Meteorological Office. | Haydon Bridge .. . | Northumberland | 54 | 58 02 | 15W | Headmaster, Shaftoe Trust School. |
| Ely Lodge .. . | Fermanagh | 54 | 25 07 | 42W | Colonel R. Grosvenor, M.P. | Hayling Island .. . | Hampshire | 50 | 47 00 | 59W | Havant Urban District Council. |
| Enfield .. . | Middlesex | 51 | 38 00 | 03W | Urban District Council. | Helestone .. . | Dunbarton | 56 | 01 04 | 20W | Burgh Surveyor. |
| Eskdalemuir .. . | Dumfries | 55 | 19 03 | 12W | Meteorological Office. | Helmshore .. . | Lancashire | 53 | 41 02 | 12W | Director, Exp. Husbandry Farm. |
| Everton (Efford) .. . | Hampshire | 50 | 44 01 | 34W | Director, Exp. Horticultural Stn. | Herne Bay .. . | Kent | 51 | 22 01 | 07E | Clerk of the Council. |
| Exeter .. . | Devon | 50 | 44 03 | 25W | Meteorological Office. | High Mowthorpe .. . | Yorks. E.R. | 54 | 06 00 | 38W | Director, Exp. Husbandry Farm. |
| Exmouth .. . | Devon | 50 | 36 03 | 24W | Urban District Council. | Hillsborough .. . | Down | 54 | 27 06 | 04W | Secretary, Agric. Research Institute. |
| Falkirk .. . | Stirling .. . | 56 | 00 03 | 48W | Sanitary Inspector. | Hoddesdon .. . | Hertford | 51 | 44 00 | 05W | Director, Exp. Horticultural Station. |
| Falmouth .. . | Cornwall .. . | 50 | 06 05 | 03W | Town Clerk. | Holyhead (Valley) .. . | Anglesey | 53 | 15 04 | 32W | Meteorological Office. |
| Farnham .. . | Surrey .. . | 51 | 13 00 | 48W | A. C. Hunt, Esq. | Holywood .. . | Down | 54 | 37 05 | 49W | Urban District Council. |
| Faversham .. . | Kent .. . | 51 | 17 00 | 52E | Director, National Fruit Trials. | Hornastle .. . | Lincoln | 53 | 13 00 | 09W | R. J. Blakeborough, Esq. |
| Felixstowe .. . | Suffolk .. . | 51 | 57 01 | 20E | Meteorological Office. | Houghall .. . | Durham | 54 | 45 01 | 35W | Principal, School of Agriculture. |
| Fernhurst .. . | Sussex .. . | 51 | 02 00 | 42W | Plant Protection Ltd. | Huddersfield .. . | Yorks. W.R. | 53 | 38 01 | 43W | Town Clerk. |
| Fettercairn (Glensgaugh) .. . | Kincardine | 56 | 54 02 | 32W | Hill Farm Research Organisation. | Huddersfield (Oakes) .. . | Yorks. W.R. | 53 | 39 01 | 50W | Morris Bower, Esq. for M.O. |
| Fifeley .. . | Yorks. E.R. | 54 | 13 00 | 17W | Surveyor and Water Engineer. | Hull .. . | Yorks. E.R. | 53 | 45 00 | 16W | General Supt., Parks Dept. |
| Finchampstead .. . | Berkshire | 51 | 25 00 | 55W | J. Reg. Allison, Esq. | Hurley .. . | Berkshire | 51 | 32 00 | 49W | Director, Grassland Research Inst. |
| Findhorn .. . | Moray .. . | 57 | 40 03 | 37W | D. Cameron, Esq. | Hurn .. . | Hampshire | 50 | 47 01 | 50W | Meteorological Office. |
| Fleetwood .. . | Nottingham .. . | 53 | 29 01 | 00W | Meteorological Office. | Iffracombe .. . | Devon | 51 | 12 04 | 08W | Urban District Council. |
| Folkestone .. . | Lancashire | 53 | 55 03 | 03W | Town Clerk. | Ilkley .. . | Yorks. W.R. | 53 | 55 01 | 50W | Surveyor and Engineer. |
| Forres .. . | Kent .. . | 51 | 05 01 | 11E | Borough Engineer. | Inverness .. . | Inverness | 57 | 29 04 | 13W | Firemaster, N. Area Fire Brigade. |
| Fort Augustus .. . | Moray .. . | 57 | 37 03 | 36W | Town Clerk. | Ipswich, Belstead Hall .. . | Suffolk | 52 | 00 01 | 06E | R. Wilson, Esq. |
| Fortrose .. . | Inverness | 57 | 08 04 | 40W | Procurator, The Abbey. | Isla of Grain .. . | Kent | 51 | 27 00 | 43E | Tech Supt., Kent Oil Refinery Ltd. |
| Fort William .. . | Ross & Cromarty | 57 | 35 04 | 08W | Town Clerk. | Isla of Rhum .. . | Inverness | 57 | 01 06 | 17W | Nature Conservancy. |
| Fowey .. . | Inverness | 56 | 49 05 | 07W | Headmaster, Secondary School. | Jersey Airport .. . | Channel Isles | 49 | 12 02 | 11W | Airport Commandant. |
| Fyne Castle .. . | Cornwall .. . | 50 | 21 04 | 38W | Town Clerk. | Jersey, Gorey Castle .. . | Channel Isles | 49 | 12 02 | 11W | States Committee of Tourism. |
| Garstang .. . | Aberdeen | 57 | 26 02 | 23W | Sir Ian Forbes-Leith, Bart. | Jersey, St. Helier .. . | Channel Isles | 49 | 11 02 | 07W | The Greffier. |
| Garston .. . | Lancashire | 53 | 55 02 | 48W | Director, Nat. Inst. of Agric. Botany. | Keel .. . | Stafford | 53 | 00 02 | 16W | Prof. of Geography, University Coll. |
| Garvagh (Moneydig) .. . | Hertford .. . | 51 | 42 00 | 23W | Director, Building Research Station. | Kelso (Floors) .. . | Roxburgh | 55 | 36 02 | 28W | R. Hunter Murray, Esq., Estate Office. |
| Garve (Inchbae) .. . | Londonderry | 54 | 59 06 | 36W | J. Parker, Esq. | Kensington Palace .. . | London | 51 | 31 00 | 10W | Bailiff of the Royal Parks. |
| Gateshead .. . | Ross & Cromarty | 57 | 41 04 | 41W | Forestry Commission (Scotland). | Keswick .. . | Cumberland | 54 | 36 03 | 09W | Urban District Council. |
| Gatwick .. . | Durham .. . | 54 | 57 01 | 35W | Medical Officer of Health. | Kete .. . | Pembrokeshire | 51 | 42 05 | 11W | Commanding Officer, R.N.A.S. |
| Gillingham .. . | Surrey .. . | 51 | 09 00 | 11W | Meteorological Office. | Kettering .. . | Northampton | 52 | 24 00 | 44W | Stanley K. Harris, Esq. |
| Glamis Castle .. . | Kent .. . | 51 | 23 00 | 34E | Borough Engineer. | Kew Observatory .. . | Surrey | 51 | 28 00 | 19W | Meteorological Office. |
| Glasgow .. . | Angus .. . | 56 | 30 03 | 00W | Earl of Strathmore. | Kielder Castle .. . | Northumberland | 55 | 14 02 | 34W | Forestry Commission. |
| Glenbranter .. . | Lanark .. . | 55 | 53 04 | 14W | Director of Parks. | Kilkeel .. . | Down | 54 | 04 05 | 57W | Min. of Transport (Coastguard Sect.). |
| Glengeval .. . | Argyll .. . | 56 | 08 05 | 03W | Forestry Commission (Scotland). | Killinghall .. . | Yorks. W.R. | 54 | 01 01 | 35W | Director, Poultry Progeny Testg. Stn. |
| Glenlee .. . | Lanark .. . | 55 | 35 04 | 07W | County Water Engineer. | Kilmarnock .. . | Ayr | 55 | 36 04 | 30W | Burgh Surveyor. |
| Glenlivet .. . | Kirkcudbright | 55 | 06 04 | 11W | Hydro-Electric Engineer. | Kincraig .. . | Inverness | 57 | 08 03 | 56W | Dr. C. B. Williams, F.R.S. |
| Glenlochar Barrage .. . | Banff | 57 | 17 03 | 17W | Walter Duncan, Esq. for M.O. | Kingsway .. . | London | 51 | 31 00 | 07W | Meteorological Office. |
| Glenmore Lodge .. . | Kirkcudbright | 54 | 57 03 | 59W | Hydro-Electric Engineer. | | | | | | |
| | Inverness | 57 | 10 03 | 42W | Director of Field Studies. | | | | | | |

MONTHLY WEATHER REPORT, 1958—LIST OF STATIONS—continued

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|---|-------------------|----------|-------|---------------------------------------|---------------------------------|----------|----------------------------|--|-----------|
| Kinlochewe . . . | Ross & Cromarty | 57 37.05 | 18W | Nature Conservancy. | Nairn . . . | 57 35.03 | 52W | Town Clerk. | |
| Kinloss . . . | Moray . . . | 57 39.03 | 34W | Meteorological Office. | Neath . . . | 51 39.03 | 52W | National Oil Refineries Ltd. | |
| Kirkcaldy . . . | Fife . . . | 56 08.03 | 10W | Town Clerk. | Nelson . . . | 53 50.02 | 12W | Medical Officer of Health. | |
| Kirkham . . . | Lancashire . . . | 53 48.02 | 53W | Director, Exp. Horticultural Station. | Newport . . . | 52 46.02 | 26W | Principal, Harper Adams Agric. Coll. | |
| Lacock (Lackham) . . . | Wiltshire . . . | 51 26.02 | 07W | Principal, School of Agriculture. | Newport (Cleppa Park) . . . | 51 33.03 | 02W | Tech. Officer-in-charge, Exp. Hort. Stn. | |
| Lairg (Achanry) . . . | Sutherland . . . | 57 59.04 | 25W | Forestry Commission (Scotland). | Monmouth . . . | 50 25.05 | 05W | Clerk to the Council. | |
| Lake Vyrnwy . . . | Montgomery . . . | 52 45.03 | 28W | Chief Engineer, Liverpool Corpn. | Newquay . . . | 50 33.03 | 39W | Principal, Scale-Hayne Agric. College. | |
| Langar . . . | Nottingham . . . | 52 54.00 | 54W | Meteorological Office. | Newton Abbot . . . | 54 40.02 | 47W | Principal, County Farm School. | |
| Largs (Woodbank) . . . | Ayr . . . | 55 48.04 | 52W | Alex. Simpson, Esq. | Newton Rigg . . . | 52 41.01 | 13W | E. A. Bonser, Esq. | |
| Larkhill . . . | Wiltshire . . . | 51 12.01 | 48W | Meteorological Office. | Newtown Linford . . . | 56 03.02 | 43W | Town Clerk. | |
| Leadhills . . . | Lanark . . . | 55 25.03 | 45W | Douglas Grant, Esq. | North Berwick . . . | 53 16.02 | 32W | Imperial Chemical Industries Ltd. | |
| Leamington Spa . . . | Warwick . . . | 52 18.01 | 30W | Medical Officer of Health. | Nottingham (Winnington) . . . | 52 57.01 | 09W | City Engineer and Surveyor. | |
| Leckford . . . | Hampshire . . . | 51 07.01 | 27W | Gen. Manager, Leckford Estate Ltd. | Nottingham . . . | 54 38.06 | 10W | Meteorological Office. | |
| Leicester (Towers) . . . | Leicester . . . | 52 38.01 | 05W | Hospital Management Committee. | Nutts Corner . . . | 52 31.03 | 04W | Chief Engineer, Liverpool Corpn. | |
| Lephinmore . . . | Argyll . . . | 56 05.05 | 15W | Hill Farm Research Organisation. | Oxford . . . | 51 46.01 | 16W | Professor of Geography. | |
| Lerwick Observatory . . . | Zetland . . . | 60 08.01 | 11W | Meteorological Office. | Paignton . . . | 52 35.02 | 12W | A. J. Parkes, Esq., M.C., D.L., J.P. | |
| Letchworth . . . | Hertford . . . | 51 58.00 | 13W | Urban District Council. | Oban . . . | 56 25.05 | 30W | Burgh Surveyor. | |
| Leuchars . . . | Fife . . . | 56 23.02 | 53W | Meteorological Office. | Oneocote . . . | 53 07.01 | 57W | J. A. Johnson, Esq. | |
| Lincoln . . . | Lincoln . . . | 53 14.00 | 34W | City Engineer and Surveyor. | Orich . . . | 56 43.05 | 13W | Forestry Commission (Scotland). | |
| Littlehampton . . . | Sussex . . . | 50 48.00 | 32W | Urban District Council. | Oswestry . . . | 52 51.03 | 04W | Chief Engineer, Liverpool Corpn. | |
| Little Rissington . . . | Gloucester . . . | 51 52.01 | 42W | Meteorological Office. | Oxford . . . | 51 26.03 | 34W | Professor of Geography. | |
| Lizard . . . | Cornwall . . . | 49 57.05 | 12W | Min. of Transport (Coastguard Sect.). | Paisley . . . | 55 21.04 | 26W | Clerk of the Council. | |
| Llandrindod Wells . . . | Radnor . . . | 52 14.03 | 22W | Urban District Council. | Palnure . . . | 54 55.04 | 22W | Director, Coats Observatory. | |
| Llandudno . . . | Caernarvon . . . | 53 20.03 | 50W | Medical Officer of Health. | Parkmead Forest . . . | 54 01.06 | 07W | Forestry Commission (Scotland). | |
| Llwynon . . . | Brecknock . . . | 51 47.03 | 26W | Water Engineer, Cardiff. | Antrim . . . | 55 39.03 | 11W | Dept. of Geography, Queen's Univ. | |
| Llyn Siwan . . . | Merioneth . . . | 52 53.03 | 52W | Central Electricity Generating Board. | Peebles . . . | 55 50.03 | 13W | Town Clerk. | |
| Lochboisdale . . . | Inverness . . . | 57 09.07 | 19W | J. MacPhee, Esq. for M.O. | Penicuik . . . | 56 42.02 | 06W | Rev. John M. Laing. | |
| Loch Shiel (Pollock) . . . | Argyll . . . | 56 45.05 | 37W | Forestry Commission (Scotland). | Penkrigde . . . | 50 07.05 | 32W | Principal, Farm Institute. | |
| Loch Tay (Ardtallaig) . . . | Perth . . . | 56 25.04 | 10W | M. K. Brown, Esq. | Penzance . . . | 52 08.02 | 02W | Town Clerk. | |
| Logie Coldstone . . . | Aberdeen . . . | 57 08.02 | 55W | Director of Education, Aberdeen. | Pershore . . . | 52 05.02 | 03W | Meteorological Office. | |
| London Airport . . . | Middlesex . . . | 51 29.00 | 27W | Meteorological Office. | Perth (Inst. of Hort.) . . . | 56 24.03 | 27W | Principal, Institute of Horticulture. | |
| Long Ashton . . . | Somerset . . . | 51 26.02 | 40W | Director, Research Station. | Perth . . . | 56 43.03 | 44W | Town Clerk. | |
| Longforgan (Woodlands) . . . | Perth . . . | 56 28.03 | 08W | Dr. J. H. Brush. | Pitlochry (Faskally) . . . | 56 21.04 | 43W | Town Clerk. | |
| Long Sutton . . . | Hampshire . . . | 51 15.00 | 56W | Principal, Lord Wandsworth College. | Plymouth (Mount Batten) . . . | 50 21.04 | 07W | Forestry Commission (Scotland). | |
| Lossiemouth . . . | Moray . . . | 57 43.03 | 20W | Commanding Officer, R.N.A.S. | Plymouth (The Hoe) . . . | 50 22.04 | 08W | Meteorological Office. | |
| Loughgall . . . | Armagh . . . | 54 24.06 | 36W | Head of Plant Breeding Division. | Point of Ayre . . . | 54 25.04 | 22W | Medical Officer of Health. | |
| Lovestoft . . . | Suffolk . . . | 52 30.01 | 45E | Borough Treasurer. | Pontefract . . . | 53 42.01 | 19W | Northern Lighthouse Board. | |
| Lowther Hill . . . | Lanark . . . | 55 20.03 | 44W | Min. of Transport and Civil Aviation. | Ponteland . . . | 55 05.01 | 46W | Headmaster, King's School. | |
| Luddington . . . | Warwick . . . | 52 10.01 | 46W | Director, Exp. Horticultural Stn. | Poole . . . | 50 40.01 | 58W | Principal, Farm Institute. | |
| Lundin Links . . . | Fife . . . | 56 13.02 | 57W | Secretary, Community Association. | Porthcawl . . . | 51 27.03 | 43W | Town Clerk. | |
| Luton . . . | Bedford . . . | 51 54.00 | 25W | Borough Engineer. | Portland Bill . . . | 50 32.02 | 27W | Urban District Council. | |
| Lymeham . . . | Wiltshire . . . | 51 30.01 | 59W | Meteorological Office. | Porton . . . | 51 07.01 | 42W | Trinity House. | |
| Lyonshall . . . | Hereford . . . | 52 13.02 | 58W | R. H. Green, Esq. | Port Talbot . . . | 51 34.03 | 45W | Meteorological Office. | |
| Macclesfield . . . | Cheshire . . . | 53 15.02 | 08W | Superintendent of Parks. | Poulton-le-Fylde . . . | 53 50.03 | 00W | Steel Company of Wales Ltd. | |
| Maldon . . . | Essex . . . | 51 44.00 | 40E | Town Clerk. | Prestatyn . . . | 53 20.03 | 24W | Headmaster, Baines Grammar School. | |
| Malham Tarn . . . | Yorks, W.R. . . | 54 06.02 | 10W | Council for Prom. of Field Studies. | Preston (Moor Park) . . . | 53 46.02 | 42W | Urban District Council. | |
| Malvern . . . | Worcester . . . | 52 06.02 | 18W | Urban District Council. | Preston Wynne . . . | 52 07.02 | 30W | Director, Jeremiah Horrocks Obs'y. | |
| Manby . . . | Lincoln . . . | 53 21.00 | 05E | Meteorological Office. | Prestwick . . . | 55 30.04 | 37W | Director, Exp. Husbandry Farm. | |
| Manchester Airport . . . | Cheshire . . . | 53 21.02 | 16W | Meteorological Office. | Prestwick Airport . . . | 55 31.04 | 36W | Burgh Engineer. | |
| , (Smokeless Zone) (Whitworth Pk.) . . . | Lancashire . . . | 53 22.02 | 15W | Principal, College of Science. | Princeton . . . | 50 33.03 | 59W | Meteorological Office. | |
| Mansfield . . . | Nottingham . . . | 53 27.02 | 14W | Director, University Physical Labs. | Ramsgate . . . | 51 20.01 | 25E | The Governor, H.M. Prison. | |
| Marchmont . . . | Berkwick . . . | 55 44.02 | 25W | C. Sherlow, Esq. | Rattray Head . . . | 57 37.01 | 50W | Borough Engineer and Surveyor. | |
| Margate . . . | Kent . . . | 51 24.01 | 24E | Town Clerk. | Raunds . . . | 52 20.00 | 31W | Min. of Transport (Coastguard Sect.). | |
| Marham . . . | Norfolk . . . | 52 39.00 | 34E | Meteorological Office. | Reading . . . | 51 27.00 | 58W | T. C. Smith, Esq. | |
| Marlborough . . . | Wiltshire . . . | 51 25.01 | 44W | Headmaster, Marlborough College. | Reading (Seed Trial Gds.) . . . | 51 27.00 | 56W | Professor of Geography. | |
| Martyr Worthy . . . | Hampshire . . . | 51 06.01 | 16W | Director, Exp. Husbandry Farm. | Redcar . . . | 54 37.01 | 04W | Royal Seed Establishment. | |
| Mickleham . . . | Surrey . . . | 51 16.00 | 19W | Council for Prom. of Field Studies. | Regent's Park . . . | 51 31.00 | 09W | Town Clerk. | |
| Midcalder . . . | Midlothian . . . | 55 53.03 | 31W | Director, Nat Inst. of Agric. Engng. | Renfrew . . . | 55 52.04 | 24W | Park Superintendent. | |
| Middleton St. George . . . | Durham . . . | 54 30.01 | 25W | Meteorological Office. | Rhooe . . . | 51 24.03 | 21W | Meteorological Office. | |
| Mildenhall . . . | Suffolk . . . | 52 22.00 | 28E | Ringwood . . . | 55 56.00 | 07W | Northern Lighthouse Board. | | |
| Milford Haven . . . | Pembroke . . . | 51 43.05 | 02W | Meteorological Office. | Rhyl . . . | 53 19.03 | 30W | Urban District Council. | |
| Milport . . . | Bute . . . | 55 45.04 | 54W | Works Manager, Murex Ltd. | Rochdale . . . | 50 51.01 | 44W | Miss M. A. M. Penrose, B.Sc. | |
| Mennie (Dalmacallan) . . . | Dumfries . . . | 55 08.03 | 50W | Dr. H. Barnes, Marine Res. Stn. | Ross-on-Wye . . . | 53 38.02 | 10W | Lancashire. | |
| Monrose (R. Men. Hosp.) . . . | Angus . . . | 56 43.02 | 28W | Forestry Commission (Scotland). | Ross-on-Wye . . . | 54 05.04 | 38W | Borough Surveyor. | |
| Moor House . . . | Westmorland . . . | 54 41.02 | 23W | Physician Superintendent. | Rothamsted . . . | 51 55.02 | 35W | Meteorological Office. | |
| Morecambe . . . | Lancashire . . . | 54 04.02 | 52W | Nature Conservancy. | Rotherham . . . | 51 48.00 | 21W | F. J. Parsons, Esq. for M.O. | |
| Moreton Morrell . . . | Warwick . . . | 52 12.01 | 33W | Town Clerk. | Rothsay . . . | 53 25.01 | 19W | Director, Experimental Station. | |
| Morley . . . | Derby . . . | 52 57.01 | 25W | Principal, Institute of Agriculture. | Rugeley . . . | 55 50.05 | 02W | L. Atkinson, Esq. | |
| Muchalls . . . | Kincardine . . . | 57 01.02 | 10W | Warden, Farm Institute. | Ruabon . . . | 52 59.03 | 05W | President, Natural History Society. | |
| Mull of Galloway . . . | Wigtown . . . | 54 38.04 | 51W | Grassland Officer, N. Scot. Ag. Coll. | Rugby . . . | 52 22.01 | 15W | Monsanto Chemicals Ltd. | |
| Mumbles Head . . . | Glamorgan . . . | 51 34.03 | 59W | Northern Lighthouse Board. | Ruscombe . . . | 51 45.02 | 14W | Headmaster, Lawrence Sheriff School. | |
| | | | | Min. of Transport (Coastguard Sect.). | Ruthwell . . . | 55 00.03 | 27W | D. B. Parkin, Esq. | |
| | | | | | Ryde . . . | 50 44.01 | 10W | Factor, Estates Office. | |
| | | | | | | | | Superintendent, Publicity Dept. | |

MONTHLY WEATHER REPORT, 1958—LIST OF STATIONS—continued

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority |
|----------------------------|-----------------|----------|-------|--|-------------------------|-----------------|----------|-------|--|
| Saffron Walden | Essex | 52 01 00 | 15E | Headmaster, Friends' School. | Tangmere | Sussex | 50 51 00 | 43W | Meteorological Office. |
| St. Abb's Head | Berwick | 55 55 02 | 08W | Northern Lighthouse Board. | Tarbatness | Ross & Cromarty | 57 52 03 | 46W | Northern Lighthouse Board. |
| St. Albans | Hertford | 51 46 00 | 18W | Principal, Institute of Agriculture. | Tarbert (Achaglachgach) | Argyll | 55 45 05 | 20W | Forestry Commission (Scotland). |
| St. Andrews | Fife | 56 20 02 | 47W | Burgh Engineer. | Tavistock | Devon | 50 33 04 | 10W | Urban District Council. |
| St. Asaph | Flint | 53 16 03 | 26W | Forestry Commission. | Tayport | Fife | 56 27 02 | 52W | Dundee Harbour Trust. |
| St. Austell | Cornwall | 50 16 04 | 47W | Urban District Council. | Teignmouth | Devon | 50 33 03 | 29W | G. F. Rossiter, Esq., B.Sc. |
| St. Catherine's Point | Isle of Wight | 50 35 01 | 17W | Trinity House. | Terrington St. Clement | Norfolk | 52 45 00 | 18E | Director, Exp. Husbandry Farm. |
| St. Kilda | Inverness | 57 48 05 | 34W | Commanding Officer, R.A.F. | Thorney Island | Sussex | 50 49 00 | 56W | Meteorological Office. |
| St. Mary's, Scilly | Cornwall | 49 56 06 | 18W | Min. of Transport (Coastguard Sect.). | Thorntonhall | Lanark | 55 46 04 | 14W | Officer-in-charge, Building Res. Stn. |
| St. Mawgan | Cornwall | 50 26 05 | 00W | Meteorological Office. | Throwley | Kent | 51 14 00 | 51E | Thomas Neame Ltd. |
| Sandown | Isle of Wight | 50 39 01 | 09W | Urban District Council. | Tiree | Argyll | 56 30 06 | 53W | Meteorological Office. |
| Santon Downham | Norfolk | 52 28 00 | 41E | Forestry Commission. | Tobermory | Argyll | 56 37 06 | 05W | M. MacCorquodale, Esq. |
| Scalloway | Zetland | 60 08 01 | 17W | W. J. Williamson, Esq. | Torquay | Devon | 50 28 03 | 31W | Town Clerk. |
| Scarborough | Yorks, N.R. | 54 18 00 | 24W | Medical Officer of Health. | Totnes | Devon | 50 27 03 | 43W | Dartington Hall Trustees. |
| Seaford | Sussex | 50 46 00 | 07E | Surveyor to the Council. | Trawscoed | Cardigan | 52 20 03 | 57W | Director, Exp. Husbandry Farm. |
| Sedlescombe | Sussex | 50 56 00 | 31E | Rev. G. N. Martin. | Tredegar | Monmouth | 51 46 03 | 15W | Sanitary Inspector. |
| Selkirk (Bowhill) | Selkirk | 55 32 02 | 54W | Factor, Buccleuch Estates Ltd. | Troon | Ayr | 55 32 04 | 40W | Burgh Surveyor. |
| Selkield | Cumberland | 54 25 03 | 30W | U.K. Atomic Energy Authority. | Tunbridge Wells | Kent | 51 08 00 | 16E | Medical Officer of Health. |
| Shaftesbury | Dorset | 50 54 02 | 12W | Headmaster, Modern School. | Turnberry | Ayr | 55 19 04 | 50W | Chief Works Officer, Hotels Executive. |
| Shanklin | Isle of Wight | 50 37 01 | 11W | Urban District Council. | Turnhouse | Midlothian | 55 57 03 | 21W | Meteorological Office. |
| Shardlow Hall | Derby | 52 52 01 | 21W | Director, E. Midland Prov., M.A.F.F. | Tynemouth | Northumberland | 55 01 01 | 25W | Min. of Transport (Coastguard Sect.). |
| Shawbury | Shropshire | 52 48 02 | 41W | Meteorological Office. | Udny | Aberdeen | 57 18 02 | 09W | University of Aberdeen. |
| Sheffield | Yorks, W.R. | 53 23 01 | 29W | Director, City Museum. | Uffculme | Devon | 50 54 03 | 20W | Headmaster, County Secondary Schl. |
| Shinfield | Berkshire | 51 28 00 | 57W | Professor of Horticulture. | Upavon | Wiltshire | 51 17 01 | 47W | Meteorological Office. |
| Shipston-on-Stour | Warwick | 52 04 01 | 42W | A. W. Beecham, Esq. | Urswick | Lancashire | 54 09 03 | 07W | Rev. M. D. Grieve. |
| Shoeburyness | Essex | 51 32 00 | 49E | Meteorological Office. | Ushaw College | Durham | 54 47 01 | 39W | The President. |
| Shrewsbury | Shropshire | 52 43 02 | 43W | Medical Officer of Health. | Usk | Monmouth | 51 42 02 | 55W | Principal, Institute of Agriculture. |
| Sidmouth | Devon | 50 41 03 | 14W | Surveyor. | Ventnor Park | Isle of Wight | 50 36 01 | 13W | Urban District Council. |
| Silloth | Cumberland | 54 52 03 | 23W | Meteorological Office. | Waddington | Lincoln | 53 10 00 | 31W | Meteorological Office. |
| Silpho Moor | Yorks, N.R. | 54 20 00 | 31W | Forestry Comm. (Research Branch). | Wakefield | Yorks, W.R. | 53 40 01 | 30W | The Corporation. |
| Silsoe | Bedford | 52 01 00 | 25W | Director, Nat. Inst. of Agric. Engng. | Wallasey | Cheshire | 52 26 03 | 04W | Borough Engineer and Surveyor. |
| Sittingbourne | Kent | 51 14 00 | 43E | Principal, Farm Institute. | Walton-on-Naze | Essex | 52 36 01 | 59W | J. C. W. Day, Esq. |
| Skegness | Lincoln | 53 09 00 | 21E | Engineer and Surveyor. | Watson | Nottingham | 53 13 01 | 07W | Engineer and Surveyor. |
| Skokholm Island | Pembroke | 51 42 05 | 16W | Council for Prom. of Field Studies. | Watnall | Nottingham | 53 01 01 | 15W | Director, Exp. Husbandry Farm. |
| Slaidburn | Yorks, W.R. | 53 59 02 | 26W | Engineer, Fylde Water Board. | Wealdstone | Middlesex | 51 35 00 | 20W | Meteorological Office. |
| Slaidburn (No. 10 Site) | Yorks, W.R. | 53 59 02 | 25W | Engineer, Fylde Water Board. | Wellesbourne | Warwick | 52 12 01 | 36W | Kodak Recreation Society. |
| Southerope | Roxburgh | 55 29 02 | 15W | Hill Farm Research Organisation. | Wellingborough | Northampton | 52 18 00 | 41W | Director, Nat. Vegetable Research Stn. |
| Southampton | Hampshire | 50 55 01 | 24W | Director General, Ordnance Survey. | Wensley | Montgomery | 52 39 03 | 08W | L. G. Cottingham, Esq. |
| Southampton (Eastleigh) | Hampshire | 50 57 01 | 21W | Meteorological Office. | West Hartlepool | Durham | 54 41 01 | 12W | Headmistress, Grammar School. |
| Southend | Essex | 51 32 00 | 24E | Pier Master. | West Kirby Park | Cheshire | 53 23 03 | 02W | H. Lamb, Esq. |
| South Farnborough | Hampshire | 51 17 00 | 45W | Meteorological Office. | West Lavington | Wiltshire | 51 17 02 | 02W | Urban District Council of Hoylake. |
| Southgate | Middlesex | 51 38 00 | 07W | Borough Council. | West Linton | Peebles | 55 45 03 | 21W | Headmaster, Dauntsey's School. |
| Southport | Lancashire | 53 40 02 | 58W | Town Clerk. | West Malling | Kent | 51 17 00 | 24E | Headmaster, Central School. |
| Southsea | Hampshire | 50 48 01 | 06W | Medical Officer of Health. | Westminster | London | 51 30 00 | 08W | Meteorological Office. |
| South Shields | Durham | 55 09 01 | 26W | Secretary, Tyne Improvement Comm. | West Raynham | Somerset | 51 20 02 | 59W | Bailiff of the Royal Parks. |
| Speke | Lancashire | 53 21 02 | 53W | Meteorological Office. | Weymouth | Norfolk | 52 47 00 | 44E | Medical Officer of Health. |
| Sprowston | Norfolk | 52 40 01 | 21E | Director, Agricultural Station. | Wheaton Aston | Dorset | 50 36 02 | 27W | Meteorological Office. |
| Spurn Head | Yorks, E.R. | 53 35 00 | 07E | Min. of Transport (Coastguard Sect.). | Whitby | Stafford | 52 43 02 | 13W | Town Clerk. |
| Squires Gate | Lancashire | 53 46 03 | 02W | Meteorological Office. | Whitstable | Yorks, N.R. | 54 29 00 | 37W | Director, Poultry Progeny Testg. Stn. |
| Stanstead Abbotts | Hertford | 51 46 00 | 00 | Chief Engr., Sewage Purification Wks. | Wick | Kent | 51 22 01 | 02E | Surveyor and Water Engineer. |
| Stansted | Essex | 51 33 00 | 13E | Meteorological Office. | Winchelsea | Caithness | 58 27 03 | 05W | Meteorological Office. |
| Starcross | Devon | 50 38 03 | 27W | Deputy Provincial Director, M.A.F.F. | Winchester | Hampshire | 51 05 01 | 19W | Medical Officer of Health. |
| Stevenage | Hertford | 51 55 00 | 11W | Chief Engineer, Development Corp. | Wingham (Elmstone) | Kent | 51 17 01 | 10E | J. B. Henderson, Esq. |
| Stirling | Stirling | 56 07 03 | 56W | Sanitary Inspector. | Wirksworth | Derby | 53 05 01 | 34W | A. D. G. Smith, Esq. |
| Stone | Stafford | 52 53 02 | 11W | Animal Breeding Research Orgn. | Wittering | Surrey | 51 17 00 | 26W | Director, R.H.S. Gardens. |
| Stonehaven | Kincardine | 56 58 02 | 12W | Town Clerk. | Woburn | Northampton | 52 37 00 | 27W | Meteorological Office. |
| Stonyhurst | Lancashire | 53 51 02 | 28W | Rev. J. Lawrence, S.J., The College. | Wokingham | Bedford | 52 01 00 | 35W | Director, Rothamsted Exp. Station. |
| Stormontay | Ross & Cromarty | 58 13 06 | 20W | Meteorological Office. | Wokingham | Berkshire | 51 25 00 | 49W | Headmaster, St. Crispin's School. |
| Stormoway (Coastguard) | Ross & Cromarty | 58 12 06 | 22W | Min. of Transport (Coastguard Sect.). | Woolhampton | Berkshire | 51 24 01 | 10W | The Abbot, Douai Abbey. |
| Stranraer (Penwhirn) | Wigtown | 54 59 04 | 55W | The County Council. | Worcester (Redhill) | Worcester | 52 10 02 | 10W | County Agricultural Officer. |
| Stratford-on-Av. (Drayton) | Warwick | 52 11 01 | 44W | Director, Exp. Husbandry Farm. | Worthing | Sussex | 50 49 00 | 22W | Medical Officer of Health. |
| Strathy | Sutherland | 58 31 04 | 01W | Lands Officer, Dept. of Agriculture. | Wrexham | Denbigh | 53 03 02 | 59W | Head Master, Grove Park School. |
| Strathyre | Perth | 56 19 04 | 19W | Forestry Commission (Scotland). | Writtle | Essex | 51 44 00 | 26E | Principal, Institute of Agriculture. |
| Strelley | Nottingham | 52 58 01 | 15W | Miss M. Edge. | Wye | Kent | 51 11 00 | 57E | Principal, Agricultural College. |
| Sule Skerry | Orkney | 59 05 04 | 25W | Northern Lighthouse Board. | Wyton | Huntingdon | 52 21 00 | 07W | Meteorological Office. |
| Sutton Bonington | Nottingham | 52 50 01 | 15W | Prof. F. L. Milthorpe, School of Ag. | York | Yorks, N.R. | 53 57 01 | 05W | Yorkshire Philosophical Society. |
| Swanage | Dorset | 50 37 01 | 57W | Urban District Council. | | | | | |
| Swanley | Kent | 51 25 00 | 10E | Principal, Kent Horticultural Institute. | | | | | |
| Swansea | Glamorgan | 51 37 03 | 55W | Clerk to the Corporation. | | | | | |
| Swyddfynnon | Cardigan | 52 16 03 | 55W | Nature Conservancy. | | | | | |

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METEOROLOGICAL OFFICE
AIR MINISTRY

THE
MONTHLY
WEATHER REPORT

1959

LONDON: HER MAJESTY'S STATIONERY OFFICE

1960

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H. D. S. 13

TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorczynski 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 1, 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.

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 1916–1950 and are 'weighted' if the record is not complete for that period. The averages of rainfall are given in M.O. 635.

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 period 1921–1950 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.—The averages cover the period 1921–50.

STANDARDS OF TIME

All time entries in the Monthly Weather Report are in Greenwich Mean Time. British Summer Time was in force from April 19 to October 4; during this period clocks were one hour in advance of Greenwich Mean Time. At all other times clocks referred to Greenwich Mean Time. Observations at all stations were made at the same hours by Greenwich Mean Time throughout the year.

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 1959 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 1959

Some additional records for 1959 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 h., 6 h., 12 h. and 18 h. 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 and Wales at the Meteorological Office, M.O.3, Harrow, and those for stations in Northern Ireland at the Meteorological Office, Belfast.

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 1958. Only changes to that list are published this year, see p. x. 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 1958 the alphabetical order is adopted, the latitude and longitude of each station being given. The National Grid References of stations are available if required.

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, in most cases for 0 h., 3 h., 6 h., 9 h., 12 h., 15 h., 18 h. and 21 h. G.M.T. and in certain cases for all 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 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, 1959

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 .. | T - - - - | 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | - - - |
| | Fortrose .. | TR - - S | | Earls Colne .. | - E1 E4 - | | Bolton .. | - E1 E4 - |
| | Lerwick .. | TR - - S | | Gorleston .. | TR E1 E4 S | | Burnley .. | - E1 E4 - |
| | Onich .. | R - - S | | Rothamsted .. | TR E1 E4 S | | Keswick .. | TR E1 E4 S |
| | Stornoway .. | TR - - S | | Shoeburyness .. | TR - - S | | Llandudno .. | TR - - S |
| | Wick .. | TR - - S | | Sprowston .. | TR - - S | | Manchester Airport .. | TR - - S |
| 1 | Craibstone .. | TR - - S | 4 | Woburn .. | - E1 E4 - | 8 | Stonyhurst .. | TR - - S |
| | Dundee .. | TR - - - | | Birmingham .. | TR - - S | | Wrexham .. | - E1 E4 - |
| | Edinburgh .. | TR - - S | | Bradford .. | TR E1 E4 - | | Bath .. | TR E1 E4 S |
| | Marchmont .. | TR - - S | | Buxton .. | - E1 E4 - | | Cardiff .. | TR E1 E4 S |
| | Nairn .. | TR - - S | | Huddersfield .. | - - - - S | | Falmouth .. | TR - - S |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Nottingham .. | TR - - S | NORTHERN IRELAND | Iffracombe .. | - E1 E4 - |
| | Eskdalemuir .. | TR - - S | | Oxford .. | TR E1 E4 S | | Plymouth .. | - E1 E4 - |
| | Kilmarnock .. | - E1 E4 - | | Raunds .. | - E1 E4 - | | Llandrindod Wells .. | TR - - S |
| | Paisley .. | - E1 E4 - | | Ross-on-Wye .. | TR E1 E4 S | | Swansea .. | - E1 E4 - |
| | Renfrew .. | TR - - S | | East Malling .. | TR - - S | | Teignmouth .. | TR - - S |
| | Rothesay .. | TR - - S | | Hastings .. | TR E1 E4 S | | | |
| | Stirling .. | - E1 E4 - | | Kew Observatory .. | TR E1 E4 S | | | |
| 2 | Tiree .. | TR - - S | | Margate .. | - E1 E4 - | | | |
| | Cockle Park .. | TR - - S | | Porton .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Southampton .. | TR - - S | | | |
| | Durham .. | TR E1 E4 S | | Wisley .. | - E1 E4 - | | | |
| | Hull .. | - E1 E4 - | | | | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |

District 1. Nairn. Difference from average number of rain-days not used in the Annual Summary 1959.

6. Kilmarnock. 4 ft. earth temperature values not available for May 1959.
Rothesay. Rainfall values not available for January and February 1959; air temperature values not available for January to June 1959.
3. Earls Colne. Earth temperature values not available for February 1959.
5. Margate. 1 ft. earth temperature values not used for January to June 1959.
7. Burnley. Earth temperature values not used for October to December 1959.
Keswick. Not available from May to December 1959.

Means of these elements for the above stations with incomplete records are not used in the Annual Summary for the Year 1959.

MONTHLY WEATHER REPORT, 1959—LIST OF STATIONS

The following changes should be made in the list published in the Introduction to the 1958 volume.

(1) Additions and alterations.

| Station | County | Lat. | Long. | Authority | Station | County | Lat. | Long. | Authority | | |
|--|-----------------|---------------------------------|-------|-----------|----------------------------------|--|---------------------------------|---------------------------------------|-----------------------|----------------------------------|-------------------------|
| <i>Achnagoichan</i> | Inverness | 57 | 09 03 | 48W | Nature Conservancy. | Kirkwall (Grimsetter) formerly Grimsetter | 53 | 53 00 | 26W | Meteorological Office. | |
| <i>Aucherhouse</i> | Angus | 56 | 32 03 | 04W | Dr. J. H. Brush. | <i>Leconfield</i> | 53 | 41 07 | 15W | Queen's University (Geog. Dept.) | |
| Benmore (Forestry School) formerly Dunoon (Ben- more) | Lancashire | 56 | 01 04 | 59W | <i>Lislap Forest</i> | 54 | 43 05 | 17W | L. D. C. McLees, Esq. | | |
| <i>Benmore (Younger Bot. Gdn.)</i> | Argyll .. | 53 | 35 02 | 27W | <i>Locharanza</i> | Derby .. | 52 | 55 01 | 31W | Headmaster, Sec. Modern School. | |
| Bolton | Lancashire | 53 | 47 02 | 15W | <i>Mackworth</i> | Malham Tarn | Field Studies Council. | | | | |
| Burnley (Marsden Hos- pital) formerly Burnley | Lancashire | 51 | 21 00 | 07W | <i>Mickleham</i> | Peebles | Field Studies Council. | | | | |
| <i>Callander</i> | Perth | 56 | 15 04 | 13W | <i>Peebles (Glentress)</i> | Antrim | Forestry Commission (Scotland). | | | | |
| <i>Calshot</i> | Hampshire | 51 | 31 01 | 15W | <i>Penicuik</i> | Inverness | Dr. J. T. Baldwin. | | | | |
| <i>Compton</i> | Berkshire | 51 | 21 00 | 07W | <i>Portrush</i> | R. Urban District Council. | | | | | |
| Croydon (Waddon) | Surrey | 51 | 21 00 | 07W | <i>Prabost</i> | R. Murray, Esq. | | | | | |
| Dale Fort | Ross & Cromarty | Field Studies Council. | | | | Rannoch | Perthshire | British Transport Commission. | | | |
| Droitwich | | Headmaster, Sec. Modern School. | | | | Rugby | Denbigh | Rugby Weather Bureau. | | | |
| <i>Durlinish</i> | Devon | British Transport Commission. | | | | Ruthin | 53 | 07 03 | 18W | Headmaster, Brynhafryd School. | |
| East Bergholt | | Field Studies Council. | | | | <i>St. Kilda</i> | Cumberland | Captain G. Langford. | | | |
| <i>Exeter (Southam)</i> | Devon | S./Ldr. C. Chesterfield. | | | | <i>Skokholm Island</i> | 55 | 02 02 | 38W | Field Studies Council. | |
| Filey | | Clerk of the Council. | | | | <i>Spadeadam</i> | 56 | 07 03 | 57W | Rolls Royce Ltd. | |
| <i>Garvagh (Moneydig)</i> <i>Gloucester (Hempsted)</i> | Gloucester | 51 | 50 02 | 16W | J. Porter, Esq. | <i>Stirling (Batterfats)</i> | 56 | 07 03 | 57W | Stirling Corporation. | |
| <i>Holywood (Creighton's Green)</i> formerly Holy- wood | Down .. | 57 | 27 02 | 47W | City Engineer and Surveyor. | <i>Tarfside</i> | Angus | 56 | 55 02 | 51W | University of Aberdeen. |
| Hunty | Aberdeen | 57 | 27 02 | 47W | Urban District Council. | <i>Walkerburn</i> | Peebles | Forestry Commission (Scotland). | | | |
| | | | | | Mrs. A. J. Williams for M.O. | <i>Wallasey</i> | | Publicity and Entertainments Manager. | | | |
| | | | | | | <i>Warsop (Gleadthorpe)</i> formerly Warsop | | | | | |
| | | | | | | <i>Wattisham</i> | Suffolk | | | | |
| | | | | | | | 52 | 07 00 | 58E | Meteorological Office. | |

(2) Deletions.

Barmouth, *Bletchingley*, *Brampton*, *Chigwell*, Constantine, Crask, East Budleigh, East Ham, Farnham, Fleetwood, Glengavel, Ipswich (Belstead Hall), Kettering, Leamington Spa, Longforgan (Woodlands), Manchester (Whitworth Park), Shardlow Hall, *Strelley*, Tangmere, *Tobermory*, *Welshpool*.

(3) Stations, not published in 1958, which were published in 1959.

Bargrennan, Barr, Barrow in Furness, Blairgowrie, Brandy, Carsphairn (Dundee), Chapel en le Frith, Cleethorpes, Corwen, Dounreay, Eastbourne (Coastguard), Edinburgh—East Craigs, Ely Lodge, Faversham, Fyvie Castle, Gatwick, Great Bookham, Gunby, Hawkridge (Liscombe), Loch Shiel (Polloch), Loch Tay (Ardalnag), Loughgall, Lundin Links, Martyr Worthy, Moniaive (Dalmacalan), Mumbles Head, Onecote, Palnure, St. Catherine's Point, Santon Downham, Southampton (Eastleigh), Stanstead Abbotts, Stranraer (Penwhirn), Tarbert (Achaglachgach), Turnberry, Wheaton Aston, Wingham (Elmstone).

(4) Stations, published in 1958, which were not published in 1959.

Bardsey Island, *Croydon Airport*, *Ponteland*.

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METEOROLOGICAL OFFICE
AIR MINISTRY

THE
MONTHLY
WEATHER REPORT
1960

LONDON: HER MAJESTY'S STATIONERY OFFICE
1961

MWR dup
~~H. S. 513~~

TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorczynski 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 1, 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.

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 1916–1950 and are 'weighted' if the record is not complete for that period. The averages of rainfall are given in M.O. 635.

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 period 1921–1950 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.—The averages cover the period 1921–50.

STANDARDS OF TIME

All time entries in the *Monthly Weather Report* are in Greenwich Mean Time. British Summer Time was in force from April 10 to October 2; during this period clocks were one hour in advance of Greenwich Mean Time. At all other times clocks referred to Greenwich Mean Time. Observations at all stations were made at the same hours by Greenwich Mean Time throughout the year.

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 estimate 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 1960 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 1960

Some additional records for 1960 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 h., 6 h., 12 h. and 18 h. 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 and Wales at the Meteorological Office, M.O.3, Bracknell, Berks., and those for stations in Northern Ireland at the Meteorological Office, Belfast.

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 1958. Amendments to that list were published in 1959 and further changes are given on page ix. 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 1958 the alphabetical order is adopted, the latitude and longitude of each station being given. The National Grid References of stations are available if required.

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, in most cases for 0 h., 3 h., 6 h., 9 h., 12 h., 15 h., 18 h. and 21 h. G.M.T. and in certain cases for all 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 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, 1960

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 | Fortrose .. | TR - - S | 3 | Cambridge .. | TR E1 E4 S | 7 | Bidston .. | TR - - S |
| | Lerwick Observatory .. | TR - - S | | Gorleston .. | TR E1 E4 S | | Bolton .. | - E1 E4 - |
| | Onich .. | TR - - S | | Rothamsted .. | TR E1 E4 S | | Llandudno .. | TR - - S |
| | Stornoway .. | TR - - S | | Shoeburyness .. | TR - - S | | Manchester Airport .. | TR - - S |
| | Wick .. | TR - - S | | Sprowston .. | TR - - S | | Newton Rigg .. | TR - - S |
| | | | | Woburn .. | - E1 E4 - | | Stonyhurst .. | TR - - S |
| 1 | Craibstone .. | TR - - S | 4 | Birmingham .. | TR - - S | 8 | Wrexham .. | - E1 E4 - |
| | Dundee .. | TR - - S | | Bradford .. | TR E1 E4 - | | | |
| | Edinburgh .. | TR - - S | | Buxton .. | - E1 E4 - | | | |
| | Marchmont .. | TR - - S | | Huddersfield .. | - - - S | | | |
| | Nairn .. | TR - - S | | Nottingham .. | TR - - S | | | |
| 6 | Dumfries .. | TR E1 E4 S | 5 | Oxford .. | TR E1 E4 S | NORTHERN IRELAND | | |
| | Eskdalemuir .. | TR - - S | | Raunds .. | - E1 E4 - | | | |
| | Kilmarnock .. | - E1 E4 - | | Ross-on-Wye .. | TR E1 E4 S | | | |
| | Paisley .. | - E1 E4 - | | East Malling .. | TR - - S | | | |
| | Renfrew .. | TR - - S | | Hastings .. | TR E1 E4 S | | | |
| | Rothesay .. | TR - - S | | Kew Observatory .. | TR E1 E4 S | | | |
| | Stirling .. | - E1 E4 - | | Margate .. | - E1 E4 - | | | |
| 2 | Tiree .. | TR - - S | | Porton .. | TR - - S | | | |
| | Cockle Park .. | TR - - S | | Southampton .. | TR - - S | | | |
| | Cranwell .. | TR - - S | | Wisley .. | - E1 E4 - | | | |
| | Durham .. | TR E1 E4 S | | | | | | |
| | Hull .. | - E1 E4 - | | | | | | |
| | Scarborough .. | TR - - S | | | | | | |
| | York .. | TR E1 E4 S | | | | | | |

District 1. Nairn. Air temperature values not used for March–December 1960 as minimum temperatures suspect for these months.

„ 8. Cardiff. Sunshine values March to June 1960 not available.

Means of these elements for the above stations with incomplete records are not used in the Annual Summary for the Year 1960.

MONTHLY WEATHER REPORT, 1960—CORRECTIONS TO TEXT

January Under *Precipitation* line 12 delete ‘Goldington and’.

May Under *Temperature* line 3 delete ‘In Scotland there has only been one warmer May, that of 1936, since the beginning of the century’, and substitute ‘In Scotland only one other May, that of 1919, has been as warm as this since the beginning of the century’.

MONTHLY WEATHER REPORT, 1960—LIST OF STATIONS

The following changes should be made in the list published in the Introduction to the 1958 volume, as amended by the changes listed on page x of the Introduction to the 1959 volume.

(1) Additions and alterations.

| Station | County | Lat. | Long. | Authority |
|---------------------------|-------------------|--------|--------|--|
| Banff | Banff | 57 33N | 02 33W | Town Clerk. |
| Bardsey Island | Caernarvon | 52 45N | 04 48W | Trinity House. |
| Blairgowrie | Perth | 56 35N | 03 21W | Parks Superintendent. |
| Benenden Chest Hospital | Kent | 51 03N | 00 35E | Chief Medical Officer. |
| Bessbrook | Armagh | 54 12N | 06 24W | J. S. W. Richardson, Esq. |
| Botwnnog | Caernarvon | 52 51N | 04 34W | Headmaster, Botwnnog School. |
| Boxworth | Cambridge | 52 15N | 00 01W | Director, Exp. Husbandry Farm. |
| Campbeltown | Argyll | 55 26N | 05 36W | Town Clerk. |
| Carlisle | Cumberland | 54 56N | 02 57W | Meteorological Office. |
| Clawton | Devon | 50 40N | 04 17W | T. W. J. Wright, Esq. |
| Coalburn (Midtown) | Lanark | 55 35N | 03 52W | Captain J. Ross. |
| Culdrose | Cornwall | 50 05N | 05 14W | C.O., Royal Naval Air Station. |
| Dolgarrog | Caernarvon | 53 11N | 03 51W | Nature Conservancy. |
| Dunfermline (Pitreavie) | Fife | 56 03N | 03 25W | Meteorological Office. |
| Dunning | Perth | 56 18N | 03 34W | The Rt. Hon. The Lord Rollo. |
| Eglinton | Londonderry | 55 02N | 07 11W | North Irish Brigade. |
| Fort William (Camaghael) | Inverness | 56 50N | 05 05W | The Headmaster, The Schoolhouse, Camaghael. |
| Gainsborough | Lincoln | 53 25N | 00 46W | Headmaster, Castle Hills Secondary School. |
| Garston | Hertford | 51 42N | 00 23W | Director, Building Research Station. |
| Garve (Blackbridge) | Ross and Cromarty | 57 42N | 04 44W | North of Scotland Hydro-Electric Board. |
| Gloucester | Gloucester | 51 52N | 02 13W | Meteorological Office. |
| Grizedale | Lancashire | 54 21N | 03 01W | Forestry Commission. |
| Keswick | Cumberland | 54 36N | 03 09W | Urban District Council. |
| Knutsford | Cheshire | 52 18N | 02 21W | Robert Bowles, Esq. |
| Largs | Ayr | 55 48N | 04 52W | Town Council. |
| Lauder | Berwick | 55 44N | 02 46W | Forestry Commission. |
| Letchworth (Sewage Works) | Bedford | 51 59N | 00 15W | Urban District Council. |
| Letcombe Regis | Berkshire | 51 35N | 01 27W | Agricultural Research Council. |
| Loch Rannoch (Dall) | Perth | 56 41N | 04 18W | The Headmaster, Rannoch School. |
| Lough Bradan | Tyrone | 54 36N | 07 36W | Engineer, Lough Bradan Reg. WW. Jt. Bd. |
| Loggerheads | Denbigh | 53 03N | 03 14W | Liverpool Education Committee. |
| Manchester Weather Centre | Lancashire | 53 29N | 02 15W | Meteorological Office. |
| Pitlochry (Faskally) | Perth | 56 43N | 03 46W | Dept. of Agriculture and Fisheries for Scotland. |
| Rustington | Sussex | 50 49N | 00 31W | Director, Glasshouse Crops Research Institute. |
| Sheffield (Eccleshall) | Yorkshire | 53 21N | 01 31W | S. T. Whitaker, Esq. |
| Slapton | Devon | 50 11N | 03 37W | Field Studies Council. |
| Tallymore Park Forest | Down | 54 14N | 05 56W | Geography Dept., Queen's University, Belfast. |
| Trawsfynydd | Merioneth | 52 47N | 04 03W | Central Electricity Generating Board. |
| Wallingford | Berkshire | 51 32N | 01 10W | D.S.I.R. Hydraulics Research Station. |
| West Freugh | Wigtown | 54 51N | 04 57W | Meteorological Office. |

(2) Deletions.

Bayfordbury, Blackbushe, Dunoon Water Works, Dunstable, Hankham, Houghall, Loch Shiel, Saffron Walden, Silloth, West Malling.

(3) Stations not published in 1959, which were published in 1960.

Auchterhouse, Bangor, Bath C.B.S., Birmingham K.E.S., Burnley, Cambridge N.I.A.B., Church Stretton, Compton, Cwm Dyl, Cwmystwyth, Deal, Dounreay, Dover R.M.S., Gloucester (Hempsted), Great Dun Fell, Halkirk (Olgrinbeg), Hawes, Hoddesdon, Huntly, Leconfield, Letchworth, Lislap Forest, Lizard, Llyn Stwlan, Lochranza, Lowther Hill, Manchester Smokeless Zone, Newtown Linford, Peebles, Peebles (Glentress), Ponteland, Portrush, Prabost, Reading S.T.G., Ruthin, Saffron Walden, Seaford, Spadeadam, Tarbetness, Turnberry, Udny, Wattisham, Wealdstone.

(4) Stations published in 1959, which were not published in 1960.

Bickenhall, Bletchley, Bwlchgwyn, Driffield, Earls Colne, Findhorn, Great Bookham, Gunby, Harlech, Harrold, Horncastle, Kincaig, Prestwick, St. Andrews, Uffculme, Wallasey.