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AIR MINISTRY.

METEOROLOGICAL OFFICE.

THE
MONTHLY WEATHER REPORT
FOR THE YEAR
1927

Published by the Authority of the Meteorological Committee.



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THE MONTHLY WEATHER REPORT, 1927

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PREFACE.

Up to 1921, the Monthly Weather Report was issued as a supplement to the Weekly Weather Report and included in the subscription to the latter. It is now treated as a separate publication. The Report gives a résumé of observations from stations in the British Isles, and takes the place of the summaries printed up to the end of 1907 in Parts II and III of the annual volumes of "Observations at Stations of the Second Order" as well as the former "Monthly Summary" to the Weekly Weather Report. The meteorological data in the Quarterly Reports of the Registrar-General for England and Wales, for Ireland, and those given in the Annual Report of the Registrar-General for Scotland, are compiled from data used in the Monthly Weather Report. Additional information as to rainfall is to be found in the annual volumes of "British Rainfall." Particulars of the methods adopted in taking the observations are given in the *Meteorological Observer's Handbook*, M.O. 191.

CHANGES IN 1927.

No changes of a general character were made in the Report for 1927.

INFORMATION FOR PREVIOUS YEARS.

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880. The Monthly Weather Report commenced in 1884. The gap is bridged for telegraphic stations by a supplement to the Daily Weather Report and for other stations by tables in "Observations at Stations of the Second Order." A brief history of the development of the Monthly Weather Report will be found in the 1915 volume.

Only the changes made in later years need be specified here.

In 1916, the absolute scale of temperature was introduced for the District Values of Table I, and in the text of the general description of the weather. For the first few months the Fahrenheit equivalents were given in brackets, subsequently a diagram to facilitate conversion was printed.

A table of sea temperatures was printed with the introduction to the Monthly Weather Report in each of the years 1916-1919.

From the beginning of 1917 the normals for the period 1881-1915 were taken into use for temperature, rainfall and sunshine. Table XVII (wind-rose data) was started in the Annual Summary for that year.

In 1918 the practice of indicating wind direction in Table II by the departure from north in degrees was adopted, and at the same time the headings of this table were changed so as to show that the wind distribution was reckoned according to speed and not according to the Beaufort equivalents, which are only relevant for an anemometer with a standard exposure.

A new table, Table V, "Rainfall at certain additional stations," was introduced at the beginning of the year 1920, but was discontinued from 1923, as the corresponding data are printed in the "Meteorological Magazine." Subsequently Table III (b), for radiation observations at Greenwich, and Table III (a), river temperatures, were introduced. The practice of giving the terminal hours for the extremes of temperature and rainfall was also adopted in 1920.

In 1921 mean maximum and minimum temperatures at certain stations were, as from March or April, referred to intervals of less than 24 hours' duration in the day and night respectively. Particulars were indicated in Table III. During the year the definition of fog was adopted which prescribes that the horizontal range of vision is less than 1,100 yards.

In 1922 all temperatures in Table I were expressed in Fahrenheit degrees, instead of in the absolute scale.

In 1923 Table IV provided for summaries of visibility at each of the fixed hours of observation, and for separate summaries of wind at each hour of observation instead of a single summary from all the hours combined. Pressure at station level was omitted from Table IV but included in Table III (d) for stations at heights exceeding 600 feet. The summaries of cloud amount were amplified. Notes on the Tables were collected together and printed on the last page of each issue.

In 1924 the stations used for computing current district-values of earth temperature for Table I were limited to those for which normal-values were available.

In 1925 the data hitherto printed in Tables III (a) and III (d) were incorporated in Tables III and IV, and summaries appeared in Table III from 20 new stations in connexion with the agricultural-meteorological scheme of the Ministry of Agriculture and Fisheries.

In 1926 the publication of maximum and minimum temperature referring to the intervals 9h-17h and 17h-9h respectively was discontinued: a symbol was introduced in the appropriate issues to indicate stations for which the possible record of sunshine was reduced by obstructions by more than 5 per cent. "Hygrometrical Tables" (M.O. Publication 265) were used for the determination of vapour pressure and relative humidity, previously these quantities were obtained from tables which were based in Glaisher's factors.

The following list gives the dates of various series in which monthly values of meteorological elements for British stations are incorporated:—

International Form B: published in "Observations at Stations of the Second Order" ..	1873-1907
and in "Daily Readings at Stations of the First and Second Orders: Annual Supplement ..	1914-1921
Monthly Weather Report (with Annual Summary from 1905)	1884-date
Weather Summaries: Working forms preserved at M.O.	1876-1902
International Form B: Working forms preserved at M.O.	1902-date
For Royal Engineers' Stations: Abstract by Col. Sir H. James, London 1865	1853-1858
For Observatories: Quarterly Weather Report 1869-1880; Hourly Readings 1881-1913	1869-1913
For Observatories: Monthly Summaries of Hourly Readings published in Hourly Values	
from Autographic Records	1914-1922
For Observatories: Hourly readings in M.S. preserved at M.O.	1914-1921
For Observatories: Hourly readings, published in "Observatories' Year Book" 1922 to 1925 (1926 in the press)	
For Telegraphic Stations; Q.W.R. 1876-1880; D.W.R. Supplement 1881-1888	1876-1888
For Royal Meteorological Society Stations: Meteorological Record	1881-1911
For Scottish Stations: Journal of the Scottish Meteorological Society	1856-1919
Registrar-General's Returns (England)	1849-date
Registrar-General's Returns (Scotland)	1856-date
Registrar-General's Returns (Ireland)	1864-date
British Rainfall	1860-date

GENERAL ARRANGEMENT OF THE REPORT.

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

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

b.—Table I.—Summaries for the twelve Districts of the temperature of the air, rainfall and duration of bright sunshine based on observations at the "district value" stations (*See below.*) Summaries of the amount of cloud and of the temperature of the earth are also included, as well as extreme values of pressure.

The stations from which the district values of temperature and rainfall are computed are indicated in Table III by the symbol ¶ and the corresponding stations for sunshine by the symbol §. A list of these stations is printed below.

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

All the records are obtained from instruments of the Dines Pressure Tube type except where otherwise stated.

d.—A plate of four maps showing :—

i. The monthly distribution of pressure and winds based on observations at telegraphic reporting stations ; also the normal distribution of pressure for the month for the period 1881–1915. Isobars are drawn for intervals of 2 millibars or 1 millibar.

ii. The movements of depressions.

iii. The distribution of mean temperature over the land and in the coastal waters.

iv. The distribution of bright sunshine in hours per day.

e.—A full page map showing by means of isohyetal lines the distribution of the month's precipitation. These maps are based on data from nearly 700 stations.

f.—Table III, giving summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, rainfall and sunshine, and of weather observations. In the case of air temperature, rainfall, and sunshine, differences from normal are given when available. The summaries refer to individual stations.

g.—Table III (a).—Temperature of the river Derwent at Belper, and of the river Trent at Lenton Fields near Nottingham.

h.—Table III (b).—Royal Observatory, Greenwich.—Sky Observations.

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.

j.—Notes on the Tables.

Tables III and IV together include the items comprised in the international form of monthly climatological summary, the Form B. of the Report of the International Meteorological Committee, 1874 ; and they give, in addition, information regarding the duration of bright sunshine, earth temperature at 1 foot and 4 feet (from 1906), the number of observations of fresh or strong winds (forces 4–7 of the Beaufort Scale, from 1906), the number of observations of light winds (forces 1–3 of the Beaufort Scale, 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 (minimum temperature on the grass, 30·4°F. and below, from 1908), and the pressure at mean sea level (from 1912).

DISTRICT VALUE STATIONS, 1927.

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	Achnashellach ..	TR - - -	2	Lincoln ..	TR E1 E4 -	4	Nottingham ..	TR E1 E4 S
	Deerness ..	- - - S	cont.	Rounton ..	TR E1 - - -	cont.	Oundle ..	TR - - -
	Fort Augustus ..	TR - - - S		Scarborough ..	TR - - - S		Oxford ..	TR - - - S
	Inverness ..	- - - S		Skegness ..	- - - S		Raunds ..	- E1 - - -
	Lerwick ..	TR - - -		Spurn Head ..	TR - - -		Ross-on-Wye ..	- - - S
	Onich ..	TR - - -		Tynemouth ..	TR - - -		Sheffield ..	- E1 E4 S
	Strathpeffer ..	TR - - -		West Witton ..	- E1 E4 -		Strelly ..	- E1 - - -
	Stornoway ..	TR - - - S		York ..	TR E1 E4 S		Sutton Bonington ..	- E1 - - -
	Wick ..	TR - - -					Tenbury ..	TR - - -
1	Aberdeen ..	TR - - - S	3	Cambridge ..	TR E1 E4 S		Worksop ..	TR E1 E4 S
	Balmoral ..	TR - - -		Clacton ..	TR E1 E4 S	5	Bognor ..	- - E4 -
	Crieff ..	TR - - -		Cromer ..	TR - - - S		Bournemouth ..	- E1 E4 -
	Dundee ..	- - - S		Geldeston ..	TR - - - S		Brighton ..	- - E4 -
	Edinburgh ..	- - - S		Lowestoft ..	- E1 E4 -		Camden Square ..	- E1 E4 -
	Gordon Castle ..	TR - - -		Norwich ..	TR - - -		Dover ..	- E1 E4 -
	Inchkeith ..	TR - - -		Rothamsted ..	TR - - - S		Dungeness ..	TR - - -
	Marchmont ..	TR - - - S		Southend ..	- E1 - - -		Eastbourne ..	- E1 E4 -
	Nairn ..	TR - - - S		Tottenham ..	TR - - - S		Folkestone ..	- - - S
	West Linton ..	TR - - -		Yarmouth ..	TR E1 E4 S		Grayshott ..	- E1 - - -
6	Colmonell ..	TR - - -	4	Belvoir Castle ..	- - E4 -		Margate ..	TR E1 E4 S
	Douglas ..	TR - - - S		Birmingham ..	TR E1 E4 S		Marlborough ..	TR - - - S
	Dumfries ..	TR - E4 -		Bradford ..	- E1 E4 -		Porton ..	TR - - -
	Eskdalemuir ..	- - - S		Bromyard ..	- E1 E4 -		Portsmouth ..	- E1 E4 -
	Ford ..	TR - - -		Buxton ..	- E1 E4 -		Richmond	
	Kilmarnock ..	TR - - -		Cheadle ..	TR - - -		(Kew Obs.)	TR E1 E4 S
	Renfrew ..	TR - - -		Clifton ..	TR - - - S		St. Leonards ..	TR E1 E4 S
	Rothsay ..	TR - E4 S		Coventry ..	- E1 E4 -		Southampton ..	TR - - - S
2	Cockle Park ..	TR E1 E4 S		Garforth ..	- E1 E4 -		Tottenham ..	- - E4 -
	Cranwell ..	TR - - - S		Harrogate ..	TR E1 E4 S		Tunbridge Wells	TR E1 - - -
	Durham ..	TR - - - S		Hereford ..	TR - - -		Ventnor ..	TR - - - S
	Hull ..	- E1 E4 -		Huddersfield ..	- E1 E4 -		Wisley ..	TR E1 E4 S
				Meltham ..	- E1 - - -		Worthing ..	- E1 E4 S

DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.	DIST.	STATION.	ELEMENT.		
7	Aberystwyth ..	- - - S	8	Aberystwyth ..	- - - S	10	Ballinacurra ..	- - - S		
	Aspatia ..	TR E1 E4 S		Arlington ..	TR - - -		Birr Castle ..	TR E1 E4 S		
	Blackpool ..	- E1 E4 -		Bath ..	TR E1 E4 S		Cahirciveen			
	Blackpool-Southport*	TR - - - S		Cardiff ..	TR E1 E4 -		(Valentia Obs.)	TR - - - S		
	Bolton ..	- E1 E4 -		Cullompton ..	TR E1 - S		Dublin (City) ..	TR - - -		
	Burnley ..	- E1 E4 -		Falmouth ..	TR - - - S		" (Phoenix Pk.)	- - - S		
	Darwen ..	- E1 E4 -		Newquay ..	- E1 - S		" (Trinity Coll.)	- E1 E4 -		
	Holyhead ..	TR - - -		Plymouth ..	TR E1 - S		Foynes ..	TR - - -		
	Hoylake ..	- - - S		Portland Bill ..	TR - - -		Kilkenny ..	TR - - -		
	Lancaster ..	- E1 E4 -		Rhayader ..	TR - - - S		Killarnney ..	TR - - -		
	Liverpool ..	TR - - -		St. Ann's Head	TR - - - S		Roches Point ..	TR - - -		
	Llandudno ..	TR - - - S		Shaftesbury ..	TR - - -		Waterford ..	TR - - -		
	Manchester (City)	- E1 E4 -		Swansea ..	- E1 E4 -					
	Manchester (Whitworth Park)	TR - - -								
	Newton Rigg ..	TR - - - S		9	Armagh ..		TR E1 E4 S	11	Guernsey ..	TR E1 E4 S
	Sealand ..	TR - - -			Birr Castle ..		TR - - -		Jersey ..	TR - - - S
	Southport ..	- E1 E4 -			Blacksod Point ..		TR - - -		Scilly ..	TR - - - S
Stonyhurst ..	TR - - - S	Donaghadee ..	TR - - -							
		Malin Head ..	TR - - -							
		Markree Castle ..	TR E1 E4 S							

* The averages of values from Blackpool and Southport are taken as if referring to a single station.

The extremes of pressure published in Table I are derived from barometer readings made at the observational hours shown in Table IV at stations in the British Isles classified as I and T (see *List of Stations* pp. VII-XII).

CHANGES IN DISTRICT VALUE STATIONS, 1927.

No changes have been made during the year in the names of the stations used for the computation of values for districts, but the following notes on the stations are recorded since they affect the data published in this volume:—

District 0.—Although Onich remains in the list of the district-value stations for temperature and rainfall, it has not in fact been possible to include data from this station in the Report. Observations at Castlebay ceased in August, 1927. Summaries in respect of Tíree (District 6) have, however, replaced those for Castlebay as from the commencement of 1927.

District 2.—As from March 21st, 1927, a new rain-gauge site was brought into use at Spurn Head. Revised rainfall normals for Spurn Head and for the District (England N.E.) were concurrently taken into use. The gauge at the old site was set up in shifting sand, and the records were adversely affected by blown sand on occasion of strong winds.

District 3.—A new barometer was taken into use at Yarmouth as from May 1st, 1927. The barometer previously in use was found to have been reading too high by about 1 millibar.

District 4.—The observations at the station at Cheadle ceased on April 23rd, 1927; from April values of temperature and rainfall for District 4 (Midland Counties) refer to nine stations only.

District 5.—New sunshine normals for Margate were brought into use as from August, 1927. In July, 1923, a new sunshine sphere was brought into use at Margate to replace a sphere which had become strongly coloured with age. A comparison between the Margate sunshine records and the records for neighbouring stations before and after July, 1923, shows that the published normals, being based partly on records from the old sphere in its defective state, were too low, and were no longer applicable to the current records.

District 6.—See reference to Tíree under District 0 above.

District 7.—As from January, 1927, the rainfall values for Holyhead refer to a gauge in a saucer-shaped dip 10 feet to the W.N.W. of the gauge previously in use; a comparison extending over a period of about four years indicated that the measurements from the gauge on the old site were too low owing to "over exposure" (see *British Rainfall* 1926 p. 282).

District 8.—The exposure of the thermometers and rain-gauge at Shaftesbury was improved about the middle of September, 1927.

The following changes occurred in the anemograph stations of Table II:—

A summary of records from Aldergrove in Northern Ireland was included as from March, 1927.

LIST OF STATIONS.

A list of the climatological stations of Tables III and IV and of the anemograph stations of Table II is given below. For additional information regarding the anemograph stations, reference should be made to the Annual Summary, p.190.

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

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

- I. Normal Meteorological Observatory; Station of the First Order.—Continuous records or hourly readings of pressure, temperature, wind, sunshine, and rain, with eye observations of the amount, form, and motion of the clouds, and notes on the weather. The principal "distributive" stations maintained on aerodromes as ancillary 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.) local time 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.) local time. This category includes most of the stations of the third order of the International Classification.
- T. Telegraphic Reporting Station.—Daily observations are made at 7 h. (7 a.m.), 13 h. (1 p.m.) and 18 h. (6 p.m.) G.M.T., similar in general character to those taken at Normal Climatological Stations, and reported to the Office each day by telegraph. At some telegraphic stations an additional observation is made at 1 h. (1 a.m.) G.M.T. and at a few of these stations there is an additional observation at 21 h. (9 p.m.)
- II C.W. ; III C.W. Normal Climatological Station or Auxiliary Climatological Station which is also a Crop Weather Station.—Crop Weather stations are stations which participate in the scheme for the investigation of the relationship between weather and crops inaugurated by the Ministry of Agriculture and the Board of Agriculture for Scotland in co-operation with the Meteorological Office.
- II H. ; III H. Normal Climatological Station or Auxiliary Station which is also a Health Resort Station.—These Stations make additional observations at 17 h. (5 p.m.) G.M.T. which are reported to this Office by telegram for communication to the newspaper press. Summaries of the 17 h. (5 p.m.) observations are, however, not in general published in this volume.
- A. ; II A. ; III A. ; T.A. Anemometer Station (which may also be a Normal Climatological Station, Auxiliary Station or Telegraphic Station) for which summaries are published in Table II (Autographic Records of Wind) of the Monthly Weather Report.

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

- | | |
|---|--|
| D. Daily Weather Report. Full return. | m. Monthly Weather Report. Table III, not Table IV. |
| d. Daily Weather Report. Abridged return. | μ . Monthly Weather Report. Wind velocity. |
| W. Weekly Weather Report. Temperature, rainfall, and in some cases, sunshine and ground temperature. | m_0 . Monthly Weather Report. Sunshine only. |
| w. Weekly Weather Report. Sunshine and in some cases ground temperature. | 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. |
| ω . Weekly Weather Report. Wind velocity. | |
| W ¹ . Registrar-General's Weekly Summary. | |
| M. Monthly Weather Report. Table III (Temperature extremes, rainfall and weather) ; and Table IV (Pressure, humidity, &c.). | |

Normals.—Reference is made to publications of the Office containing average values for long periods by means of the following letters :—

- a. The Book of Normals of Meteorological Elements for the British Isles for Periods ending 1915. Section I.*—Monthly normals of mean maximum, mean minimum and mean temperature, of rainfall and of bright sunshine for the 35 years 1881–1915. Section II.—Weekly, monthly, quarterly, and seasonal normals for Districts. Section III.—Maps of the normal distribution of temperature, rainfall and sunshine for the British Isles. Section IV.—Range of variation of temperature and rainfall ; frequency tables for hail, thunder, snow, snow lying and ground frost. Section V.—Monthly normals of rainfall.
- b. Appendix I to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876–1890.
- c. "Temperature Tables of the British Islands," 1871–1900. Monthly averages of mean maximum, mean minimum and mean temperature generally for the thirty years 1871–1900, together with information on the extremes of temperature in the same period.
- d. "Rainfall tables of the British Islands," 1866–1890. Official publications, Nos. 47 and 114. Monthly averages of rainfall.
- e. "Hourly Values from Autographic Records," Geophysical Section. Monthly normals of pressure, temperature, humidity, rainfall and sunshine for each hour of the day.

Royal Observatory, Greenwich.—Notes with regard to the statistics supplied by this Observatory will be found on page xvi.

STANDARDS OF TIME.

The Summer Time Act of 1925 fixes permanently the period in each year during which Summer Time is in force. In 1927 the period adopted was from April 10 to October 2. Between these dates the public clocks were one hour in advance of Greenwich Mean Time. Observers were recommended to make their observations at the same hours by Greenwich Time throughout the year. At nearly all stations this recommendation was adopted, but in a very few cases circumstances made it necessary to adhere to the same hour by clock time. The actual hours of observation are given in Table III of the monthly issues.

The stations at which the hours of observation are referred to Local Mean Time are given in the Notes to the Tables, printed on the last page of each monthly issue. Several Irish stations are included, but when the use of Dublin Time for civil purposes was discontinued in Ireland from October 1st, 1916, other stations advanced their observations by 25 minutes and adopted Greenwich Time.

SEA-TEMPERATURE.

Returns of sea-temperatures are received by the Meteorological Office from certain lightships and coast stations. The average temperatures of the seas round the British Isles for the months of the year 1927 are shown by large figures on the maps in the monthly issues of this report.

* Section I contains rainfall normals for 190 stations, and Section V for 578 stations.

LIST OF STATIONS.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Normals.	Authority.
Aber (Bangor)	7	Carnarvon	53 14	4 1W.	III C.W.	m.	—	Prof. R. G. White, College Farm.
Aberdeen	1	Aberdeen	57 10	2 6W.	I	D,W,W ¹ , ω ,M,O, μ	a, c, d, e.	Assistant-in-Charge, The Observatory, for M.O.
Aberystwyth	8	Cardigan	52 25	4 4W.	III H.	d. W,m.	a.	Town Clerk.
Aberystwyth	8	Cardigan	52 25	4 3W.	III C.W.	m.	—	Prof. R. G. Stapledon, M.A., Plant Breeding Station.
Achnashellach	0	Ross and Cromarty	57 29	5 16W.	II	W,m.	—	W. McClymont, for Forestry Commission (Scotland).
Addington	5	Surrey	51 22	0 4W.	III	m.	—	Borough Engineer, Croydon.
Aldergrove	9	Antrim	54 39	6 13W.	I	M.	—	Meteorologist-in-Charge for M.O.
Aldershot	5	Hampshire	51 15	0 46W.	III	m.	—	Medical Officer of Health.
Ampleforth	2	Yorkshire (N.R.)	54 12	1 5W.	III	m.	a.	Rev. C. V. Unsworth, O.S.B.
Arbroath	1	Forfar	56 33	2 35W.	II	m.	d.	J. W. Robertson, for the Town Council.
Ardingly	5	Sussex	51 4	0 5W.	III	m.	—	G. W. E. Loder, J.P., M.A., D.L.
Ardnadam	6	Argyll	55 59	4 56W.	III	m.	—	Rev. J. Cairns Mitchell, B.D., F.R.A.S.
Ardtornish	6	Argyll	56 34	5 45W.	III	m.	—	G. Craig Sellar.
Arlington Court	8	Devonshire	51 8	3 58W.	III	W,m.	a, c, d.	Miss Chichester.
Armagh	9	Armagh	54 21	6 39W.	II	W,M.	a, c, d.	Director, Armagh Observatory, for M.O.
Ascot (Heatherwood)	5	Berkshire	51 25	0 41W.	II	m.	—	Medical Superintendent, Heatherwood Hospital.
Ashburton	8	Devonshire	50 32	3 46W.	III	m.	a.	J. S. Amery.
Aspatia	7	Cumberland	54 46	3 13W.	II	W,M.	a.	Silloth and District Joint Water Board, for M.O.
Attenborough	4	Nottingham	52 55	1 13W.	III	m.	—	Messrs. Granger.
Balbriggan								See Dublin.
Ballinacurra	10	Cork	51 52	8 10W.	III	w,m.	a.	John H. Bennett.
Balmakewan	1	Kincardine	56 48	2 33W.	A.	μ .	—	William Low, B.Sc.
Balmoral	1	Aberdeen	57 2	3 12W.	III	W,m.	a.	R. F. Chalmers.
Baltasound	0	Shetlands	60 44	0 48W.	III	m.	—	1. Edmonston Saxby, F.R.F.P.S. (Glas.), F.R.C.S., J.P.
Banff	1	Banff	57 40	2 31W.	II H.	m.	—	I. H. Gordon, for Town Council.
Bangour	1	Linlithgow	55 55	3 33W.	II	m.	—	The Medical Superintendent.
Bath	8	Somerset	51 23	2 21W.	III H.	d,W,M.	a.	Medical Officer of Health.
Belfast	9	Antrim	54 37	5 56W.	III	m.	—	Royal Academical Institution.
Bellingham	2	Northumberland	55 13	2 18W.	III	m.	—	Sir C. Morrison Bell, Bart.
Belper (School)	4	Derby	53 1	1 29W.	III	m.	—	Herbert Strutt Secondary School.
Belper (Quarry Bank)	4	Derby	53 2	1 29W.	II	m.	a.	John Hunter.
Belvoir Castle	4	Leicester	52 54	0 47W.	II	m.	a, d.	The Duke of Rutland, K.G.
Benington	3	Hertford	51 54	0 5W.	II	m.	a, c.	Miss Parker.
Berkhamsted	3	Hertford	51 45	0 34W.	III	m.	a, c.	Edward T. Browne
Berwick-on-Tweed	2	Northumberland	55 46	2 0W.	III H.	d,m.	—	Borough Surveyor.
Bexhill	5	Sussex	50 50	0 28E.	III H.	m.	—	Curator (Museum), for the Borough Council.
Bidston Observatory	7	Cheshire	53 24	3 4W.	T.	D,W,M,W ¹ .	a, c, d.	W. E. Plummer, M.A., F.R.A.S., for Mersey Docks and Harbour Board, Liverpool.
Biggin Hill	5	Kent	51 19	0 2E.	T.	M.	—	Meteorologist-in-Charge, for M.O.
Birmingham (Edgbaston)	4	Warwick	52 28	1 53W.	T.A.	D,W,M,W, ¹ μ .	a, d.	A. J. Kelley, for the Midland Institute.
Birmingham (Sparkhill)	4	Worcester	52 27	1 51W.	III	m.	—	D. H. Owen.
Birr Castle	10	King's Co.	53 6	7 55W.	T.	D,W,M.	a, b, c, d.	The Earl of Rosse.
Blackford Hill								See Edinburgh.
Blackpool	7	Lancashire	53 49	3 3W.	III H.	d,W,m.	a, c.	Medical Officer of Health.
Blacksod Point	9	Mayo	54 6	10 4W.	T.	D,W,M.	a.	Sub-Postmistress, for M.O.
Blundellsands	7	Lancashire	53 29	3 2W.	III	m.	a.	Hugh Montgomery.
Boghall	1	Edinburgh	55 52	3 12W.	III C.W.	m.	—	Edinburgh and East of Scotland College of Agriculture.
Bognor	5	Sussex	50 47	0 41W.	III H.	d,m.	a.	Urban District Council.
Bolton	7	Lancashire	53 35	2 27W.	III	m.	—	Thomas Midgley.
Bournemouth	5	Hampshire	50 43	1 53W.	III H.	d,m.	a.	C. Dales, for the Corporation.
Bradford	4	Yorkshire (W.R.)	53 49	1 46W.	III	m,W ¹ .	a, d.	The Corporation.
Braemar	1	Aberdeen	57 0	3 24W.	II	M.	a, c, d.	A. M. Shirran.
Bridlington	2	Yorkshire (E.R.)	54 5	0 13W.	II H.	m.	—	Bridlington Grammar School.
Brighton	5	Sussex	50 49	0 8W.	III H.	d,M,W ¹ .	a, d.	Medical Officer of Health.
Bromley	5	Kent	51 24	0 1E.	III	m.	—	Borough Engineer.
Bromyard	4	Hereford	52 11	2 30W.	III	m.	—	T. V. Philpott, M.A.
Bucklebury Place	5	Berkshire	51 26	1 14W.	III	m.	—	Dr. Carl Langer.
Bude	8	Cornwall	50 50	4 33W.	III H.	d,m.	d.	Bude Publicity Association.
Bunhill Row								See London.
Burnley	7	Lancashire	53 48	2 15W.	III	m,W ¹ .	d	Medical Officer of Health.
Buxton	4	Derby	53 16	1 55W.	III H.	W,m.	a, b, d.	Town Clerk.
Bungay (Flixton)	3	Suffolk	52 25	1 23E.	III	m.	—	Sir Shafto Adair, Bart.
Cahirciveen (Val. Obs.)	10	Kerry	51 56	10 15W.	I	D,W, ω ,M,O, μ .	a, c, e.	Superintendent of the Observatory, for M.O.
Calshot	5	Hampshire	50 49	1 19W.	I	D,M, μ .	—	Meteorologist-in-Charge, for M.O.
Cambridge	3	Cambridge	52 12	0 8E.	II	W,M.	a, d.	Curator, Botanic Gardens.
Cambridge (Univ. Farm)	3	Cambridge	52 13	0 8E.	III C.W.	m.	—	School of Agriculture.
Camden Square								See London.
Canterbury	5	Kent	51 17	1 5E.	III	m.	—	A. Lander.
Cardiff	8	Glamorgan	51 28	3 10W.	II	W,M,W ¹ .	a.	Medical Officer of Health.
Cardross	6	Dumbarton	55 58	4 38W.	III	m.	—	Claud A. Allan.
Cargen	6	Kirkcudbright	55 2	3 37W.	III	m.	a, c, d.	Col. R. F. Dudgeon, C.B., D.L.
Carnoustie	1	Forfar	56 30	2 42W.	III	m.	—	Burgh Surveyor.
Castlebay	0	Hebrides	56 57	7 29W.	T.	D,W,m.	—	J. Smith, for M.O.
Castleton	2	Yorkshire (N.R.)	54 28	0 56W.	III	m.	—	Miss Muriel H. Punch.
Cattewater								See Plymouth.
Cheadle	4	Stafford	52 58	1 57W.	III	W,m.	a, b, c.	The late Col. B. H. Philips, C.M.G.
Chelmsford	3	Essex	51 44	0 27E.	III	m.	—	H. M. McCreath, B.Sc.
Chelmsford (Good Easter)	3	Essex	51 47	0 22E.	II C.W.	m.	—	East Anglian Institute of Agriculture.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Normals.	Authority.
Cheltenham	4	Gloucester ..	51° 54' N	2° 37' W	II H.	d.M.	a, c.	Lt.-Cdr. Orgee, R.N., D.S.C., for the Corporation.
Chopwellwood ..	2	Durham ..	54° 55'	1° 47' W	III	m.	—	Office of Woods.
Clacton-on-Sea ..	3	Essex ..	51° 47'	1° 9' E	T.	D,W,m.	a.	Urban District Council.
Cleethorpes	2	Lincolnshire ..	53° 33'	0° 17' W	III H.	d,m.	—	The Engineer and Surveyor, U.D.C.
Clifton	4	Gloucester ..	51° 28'	2° 37' W	III	W,m,W ¹ .	a, d.	Clifton College.
Cockle Park	2	Northumberland	55° 13'	1° 41' W	II C.W.	W,M.	a.	Northumberland County Council.
Colmonell	6	Ayr ..	55° 8'	4° 53' W	III	W,m.	a.	A. Ogg, for Mrs. McConnel.
Colwyn Bay	7	Denbigh ..	53° 16'	3° 44' W	III H.	d,m.	—	Borough Surveyor.
Copdock	3	Suffolk ..	52° 2'	1° 5' E	III	m.	—	F. L. Bland.
Cork (Univ. Coll.)	10	Cork ..	51° 54'	8° 29' W	III	m.	—	Prof. H. N. Walsh.
Coventry	4	Warwick ..	52° 24'	1° 20' W	III	m.	a.	Medical Officer of Health.
Craibstone	1	Aberdeen ..	57° 11'	2° 12' W	III C.W.	m.	—	Aberdeen and North of Scotland College of Agriculture.
Cranwell	2	Lincolnshire ..	53° 2'	0° 31' W	I	D,W,M,μ,ω.	—	Meteorologist-in-Charge, for M.O.
Crieff	1	Perth ..	56° 22'	3° 50' W	II	W,M.	a.	George Reid, for Dr. Gordon Meikle.
Cromer	3	Norfolk ..	52° 56'	1° 17' E	III H.	W,M.	a.	Clerk to the Urban District Council.
Croydon (Addington) ..	5	Surrey ..	51° 21'	0° 7' W	I	D,M,μ,ω.	—	See Addington.
Croydon (Aerodrome)	5	Surrey ..	51° 21'	0° 7' W	I	D,M,μ,ω.	—	Meteorologist-in-Charge, for M.O.
Cullompton	8	Devonshire ..	50° 51'	3° 23' W	III	W,m.	a, c.	Murray T. Foster.
Cupar	1	Fife ..	56° 19'	3° 1' W	III	m.	—	Medical Superintendent, Fife and Kinross Asylum.
Darwen	7	Lancashire ..	53° 41'	2° 28' W	II	m.	—	Medical Officer of Health.
Deal	5	Kent ..	51° 13'	1° 24' E	III H.	d,m.	—	Town Clerk.
Dean Prior	8	Devonshire ..	50° 27'	3° 47' W	II	m.	—	Rev. H. H. Breton, M.A.
Deerness	0	Orkney ..	58° 56'	2° 45' W	II A.	W,ω,M,μ.	a, b, c.	W. Delday and W. S. Moar, for M.O.
Donaghadee	9	Down ..	54° 38'	5° 32' W	T.	D,W,M.	a, c, d.	Officer-in-Charge, Coastguard, for M.O.
Douglas	6	Isle of Man ..	54° 10'	4° 28' W	III H.	d,W,M.	a, c, d.	Borough Surveyor.
Dover	5	Kent ..	51° 7'	1° 19' E	III H,A.	d,m,μ.	—	Borough Engineer.
Dovercourt	3	Essex ..	51° 57'	1° 16' E	III H.	d,m.	—	Borough Surveyor.
Dublin :—								
Balbriggan	10	Dublin ..	53° 35'	6° 10' W	III	m.	—	Capt. E. R. Taylor.
City	10	Dublin ..	53° 20'	6° 15' W	II	W,m.	a, b, c, d.	Sir John W. Moore, M.D., D.Sc.
Glasnevin	10	Dublin ..	53° 23'	6° 16' W	II	M.	a, c, d.	Curator, Botanic Gardens.
Phoenix Park	10	Dublin ..	53° 22'	6° 21' W	II	w,m.	a, c.	Superintendent, Ordnance Survey Office.
Trin. Coll.	10	Dublin ..	53° 21'	6° 16' W	II	w,m.	a.	Prof. Thrift.
Dumfries	6	Dumfries ..	55° 4'	3° 36' W	II	W,m.	a.	C. C. Easterbrook, M.D., Crichton Royal Institution.
Dundee (E. Necropolis)	1	Forfar ..	56° 28'	2° 56' W	II	W ¹ ,m.	a, c, d.	Alex. Macrae, Curator of Parks.
" (Mayfield) ..	1	Forfar ..	56° 28'	2° 56' W	III	W,m.	—	A. Duncan, for the Director of Studies.
Dunfanaghy	9	Donegal ..	55° 11'	7° 58' W	A.	μ.	—	Londonderry and Lough Swilly and Letter Kenny Railway.
Dungavel	6	Lanark ..	55° 37'	4° 8' W	III	m.	—	A. K. Foulis, for the Duke of Hamilton and Brandon.
Dungeness	5	Kent ..	50° 55'	0° 58' E	T.	D,W,M.	a, c.	Lightkeeper for M.O.
Durham	2	Durham ..	54° 46'	1° 35' W	II	W,M.	a, b, c, d.	F. Sargent, University Observatory.
Earls Colne	3	Essex ..	51° 55'	0° 42' E	III	m.	—	Head Master, Grammar School.
Eastbourne	5	Sussex ..	50° 46'	0° 17' E	II H.	d,m.	a, d.	Medical Officer of Health.
East Ham	5	Sussex ..	50° 46'	0° 17' E	II H.	d,m.	a, d.	See London.
East Malling	5	Kent ..	51° 17'	0° 24' E	III C.W.	m.	—	East Malling Research Station.
Edgbaston	5	Kent ..	51° 17'	0° 24' E	III C.W.	m.	—	See Birmingham.
Edinburgh :—								
Blackford Hill ..	1	Edinburgh ..	55° 55'	3° 11' W	II A.	W ¹ ,W,M,ω,μ.	a.	Astronomer Royal for Scotland.
Boghall	1	Edinburgh ..	55° 52'	3° 12' W	III C.W.	m.	—	Edinburgh and East of Scotland College of Agriculture.
Liberton	1	Edinburgh ..	55° 55'	3° 10' W	III	m.	—	Edinburgh and East of Scotland College of Agriculture.
The University ..	1	Edinburgh ..	55° 57'	3° 11' W	III	m.	a.	Professor Sir T. Hudson Beare, F.R.S.E.
Enfield	6	Dumfries ..	55° 19'	3° 12' W	I	D,W,ω,M,μ,O.	—	See London.
Eskdalemuir	6	Dumfries ..	55° 19'	3° 12' W	I	D,W,ω,M,μ,O.	—	Superintendent of the Observatory, for M.O.
Exmouth	8	Devonshire ..	50° 36'	3° 24' W	III H.	m.	—	Surveyor and Engineer.
Falmouth (Obs.) ..	8	Cornwall ..	50° 9'	5° 5' W	II	m,W.	a, c, d.	Royal Cornwall Polytechnic Society.
" (Pendennis) ..	8	Cornwall ..	50° 8'	5° 3' W	T.A.	D,M,ω,μ.	—	Coastguard, for M.O.
Felixstowe (Beach) ..	3	Suffolk ..	51° 57'	1° 20' E	III H.	d,m.	a.	Urban District Council.
Felixstowe (Aerodrome)	3	Suffolk ..	51° 57'	1° 20' E	I A.	D,M,μ.	—	Meteorologist-in-Charge, for M.O.
Fleetwood	7	Lancashire ..	53° 56'	3° 1' W	A.	ω,μ.	—	Urban District Council, for M.O.
Folkestone	5	Kent ..	51° 5'	1° 11' E	III H.	d,m,w.	—	Borough Engineer.
Ford	6	Argyll ..	56° 13'	5° 28' W	III	W,m.	—	H. Cameron.
Fort Augustus	0	Inverness ..	57° 8'	4° 40' W	III	W,m.	a, c.	The Procurator, the Abbey.
Fortrose	0	Ross and Cromarty	57° 35'	4° 8' W	III	m.	—	Archd. Thom, M.A.
Fowey	8	Cornwall ..	50° 21'	4° 38' W	III	m.	—	Town Clerk.
Foynes	10	Limerick ..	52° 37'	9° 7' W	III	W,m.	a, c.	Lord Monteagle.
Garforth	4	Yorkshire (W.R.)	53° 48'	1° 23' W	III	m.	a.	Prof. Seton, B.Sc., for the University of Leeds.
Geldeston	3	Norfolk ..	52° 28'	1° 31' E	III	W,m.	a, c, d.	Miss E. Dowson.
Gibraltar	—	—	36° 6'	5° 21' W	II	M.	—	Chief Medical Officer.
Giggleswick	4	Yorkshire (W.R.)	54° 4'	2° 17' W	III	m.	—	Head Master, Giggleswick School.
Glasgow University ..	6	Lanark ..	55° 52'	4° 17' W	III	m.	—	Prof. J. R. Currie, M.D., D.P.H.
Glasnevin	6	Lanark ..	55° 52'	4° 17' W	III	m.	—	See Dublin.
Glenbranter	6	Argyll ..	50° 6'	5° 3' W	III	m.	—	Forestry Commission (Scotland).
Good Easter	3	—	—	—	—	—	—	See Chelmsford.
Gordon Castle	1	Elgin ..	57° 37'	3° 5' W	II	W,m.	a, c, d.	C. Webster, for the Duke of Richmond and Gordon, K.G.
Gorleston	3	Norfolk ..	52° 35'	1° 43' E	T.A.	D,M,W,ω,μ.	a.	Coastguard, for M.O.
Grayshott	5	Hampshire ..	51° 7'	0° 46' W	III	m.	a.	Mrs. Charlotte Lyndon.
Greenock	6	Renfrew ..	55° 56'	4° 46' W	II	W ¹ ,m.	a, d.	J. MacAlister, M.Inst.C.E.
Greenwich	6	Renfrew ..	55° 56'	4° 46' W	II	W ¹ ,m.	a, d.	See London.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Normals.	Authority.
Guernsey (St. Peter Port)	11	Channel Islands	49 26	2 30W.	II H.	M.W.	a.	States Meteorological Committee.
Gulval	8	Cornwall	50 8	5 32W.	III C.W.	m.	—	Cornwall County Council.
Halstead	3	Essex	51 57	0 38E.	III	m.	—	F. N. Adams. See London.
Hampstead Res.	3	Essex	51 57	0 38E.	III	m.	—	Borough Engineer.
Harrogate	4	Yorkshire (W.R.)	54 0	1 36W.	T.	D,W,M.	a.	J. W. Phillips.
Haverfordwest	8	Pembroke	51 48	4 58W.	III	m.	a, d.	John Summers and Sons, Ltd.
Hawarden Bridge	7	Flint	53 12	3 1W.	III	m.	d.	Burgh Surveyor.
Helensburgh	6	Dumbarton	56 0	4 45W.	III	m.	—	G. B. Hamlin.
Hellingly	5	Sussex	50 55	0 14E.	II	m.	—	The Prior, Belmont Abbey.
Hereford (B'lm'nt Abb'y)	4	Hereford	52 5	2 45W.	III	W,m.	a.	See Worksp.
Hodsock	8	Dorset	50 43	2 5W.	II	M.	—	Superintendent, R.N. Cordite Factory.
Holton Heath	8	Dorset	50 43	2 5W.	II	M.	—	Meteorologist-in-Charge, for M.O.
Holyhead	7	Anglesey	53 18	4 39W.	I	D,W,ω,M,μ.	a, c, d.	County Education Committee.
Houghall	2	Durham	54 45	1 35W.	III C.W.	m.	—	Urban District Council.
Hoylake	7	Cheshire	53 23	3 12W.	III	w,m.	a.	Dr. Woodhead, for the Corporation.
Huddersfield	4	Yorkshire (W.R.)	53 38	1 45W.	II	m,W ¹ .	—	S. Morris Bower.
Hull (Oakes)	4	Yorkshire (W.R.)	53 39	1 50W.	II	m.	—	H. B. Witty, for the Corporation.
Hunstanton	2	Yorkshire (E.R.)	53 45	0 16W.	II	m,W ¹ .	a, d.	Hunstanton Advancement Association.
Hutton	3	Norfolk	52 57	0 29W.	III H.	m.	—	Director of Education, for the Lancashire County Council.
Hutton	7	Lancashire	53 44	2 40W.	III	M.	—	Urban District Council.
Ilfracombe	8	Devonshire	51 12	4 8W.	III H.	d,m.	a, d.	Urban District Council.
Ilkley	4	Yorkshire (W.R.)	53 55	1 50W.	III H.	d,m.	—	Lightkeeper, for M.O.
Inchkeith	1	Fife	56 2	3 8W.	T.	D,W,M.	—	A. Knowles, for the Town Council.
Inverness	0	Inverness	57 26	4 13W.	II	W.M.	a.	The Greffier.
Jersey (St. Heliers)	11	Channel Islands	49 11	2 6W.	III H.	d,W,m.	a.	See London.
Kensington	1	Roxburgh	55 36	2 25W.	III	m.	a.	J. C. Scott.
Kelso (Broomlands)	1	Roxburgh	55 36	2 25W.	III	m.	—	Urban District Council.
Keswick	7	Cumberland	54 36	3 9W.	III	m.	—	W. Andrew.
Kettins	1	Forfar	56 33	3 15W.	III	m.	—	See London.
Kew Observatory	10	Kilkenny	52 39	7 14W.	III	W,m.	a, c.	The Earl of Ossory.
Kilkenny	10	Kerry	52 4	9 30W.	III	W,m.	a, c.	E. W. Griffin, M.D.
Killarney	8	Devonshire	50 44	3 32W.	II	m.	—	Hon. F. D. Acland, M.P.
Killerton	6	Ayr	55 37	4 36W.	III	W,m.	a.	Prof. R. A. Berry, for the Glasgow and West of Scotland College of Agriculture.
Kilmarnock	6	Ayr	55 37	4 36W.	III	W,m.	a.	Captain A. F. Holmes, R.N., for the Office of Works.
Kingstown Harbour	10	Dublin	53 17	6 8W.	A.	ω,μ.	—	F. Braid, for the Town Council.
Kirkcaldy	1	Fife	56 7	3 9W.	III	m.	—	James Davidson.
Kirkwall	0	Orkney	58 59	2 57W.	III	m.	—	Neville Holden, F.R.A.S., for the Storey Institute.
Lancaster	7	Lancashire	54 3	2 47W.	III	m.	d.	Meteorologist-in-Charge, for M.O.
Larkhill	5	Wilts	51 11	1 48W.	II A.	M,ω,μ.	—	W. B. Smith, M.A.
Leadhills	6	Lanark	55 26	3 45W.	III	m.	—	Meteorologist-in-Charge, for M.O.
Leafield	4	Oxford	51 50	1 33W.	T.	D,m.	—	Medical Officer of Health.
Leamington Spa	4	Warwick	52 18	1 30W.	III H.	d,m.	—	Messrs. Granger.
Lenton Fields	4	Nottingham	52 56	1 13W.	II	m.	—	Meteorologist-in-Charge, for M.O.
Leuchars	1	Fife	56 23	2 53W.	I	D,M.	—	Meteorologist-in-charge, for M.O.
Lerwick Observatory	0	Shetlands	60 8	1 11W.	I	ω,μ,O.	—	Coastguard, for M.O.
Lerwick (Fort Charlotte)	0	Shetlands	60 9	1 11W.	T.	D,W,M.	a, c.	H. Nowell frarington.
Leyland	7	Lancashire	53 41	2 42W.	III	m.	—	See Edinburgh.
Liberton	2	Lincolnshire	53 14	0 33W.	III	W,m.	a, d.	City and County Museum.
Lincoln	9	Antrim	54 31	6 3W.	III	m.	—	J. Woolman.
Lisburn	9	Antrim	54 31	6 3W.	III	m.	—	Town Clerk.
Littlehampton	5	Sussex	50 48	0 32W.	III H.	d,m.	d.	See Bidston Observatory.
Liverpool (Bidston Obs.)	7	Carnarvon	53 20	3 50W.	III H.	d,W,M.	a, b, c, d.	Urban District Council.
Llandudno	7	Carnarvon	53 20	3 50W.	III H.	d,W,M.	a, b, c, d.	J. B. Anderson, M.A.
Logie Coldstone	1	Aberdeen	57 8	2 55W.	III	m.	a, d.	T. De La Rue & Co., Ltd.
London:—								Royal Meteorological Society.
Bunhill Row	Lon.	London	51 31	0 5W.	†	d,m,ω.	a.	The Corporation.
Camden Square	Lon.	London	51 33	0 8W.	III	d,W,m.	a, d.	Medical Officer of Health.
East Ham	Lon.	Essex	51 32	0 4E.	III	m.	—	Astronomer Royal.
Enfield	Lon.	Middlesex	51 40	0 10W.	III	m.	a, d.	E. L. Hawke, M.A., for the Hampstead Scientific Society.
Greenwich	Lon.	London	51 28	0 0	I	d,W,M,W ¹ .	a, c, d.	H.M. Office of Works, for M.O.
Hampstead Res.	Lon.	London	51 34	0 11W.	III	d,W,m.	—	Superintendent of the Observatory, for M.O.
Kensington	Lon.	London	51 31	0 10W.	III	M,d.	—	Royal Botanic Society.
Kew Observatory	Lon.	Surrey	51 28	0 19W.	I	D,W,ω,M,O,μ.	a, c, d, e,	L. R. Bennett.
Regent's Park	Lon.	London	51 31	0 9W.	†	d,m,ω.	—	Medical Officer of Health.
Stroud Green	Lon.	London	51 35	0 6W.	III	M.	—	H.M. Office of Works, for M.O.
Tottenham	Lon.	Middlesex	51 36	0 5W.	II	W,m.	a.	Rev. H. B. Workman, D.Lit.
Westminster:—								Agricultural and Horticultural Research Station.
St. James's Park	Lon.	London	51 30	0 8W.	III	d,W,m.	a.	The Lord Wandsworth Agricultural College.
Training College	Lon.	London	51 30	0 8W.	†	d,W,m.	a.	Town Clerk.
Long Ashton	8	Somerset	51 26	2 40W.	III C.W.	m.	—	Borough Engineer.
Long Sutton	5	Hampshire	51 12	0 56W.	II C.W.	m.	—	The late Henry Ellis.
Lowestoft	3	Suffolk	52 29	1 45E.	III H.	d,m.	a,	Meteorologist-in-Charge, for M.O.
Luton	3	Bedford	51 54	0 25W.	III	m.	—	Borough and Waterworks Engineer.
Lyme Regis	8	Dorset	50 44	2 57W.	A.	μ.	—	Coastguard, for M.O.
Lympne	5	Kent	51 5	1 1E.	I	D,M,ω,μ.	—	M. Forbes, for M.O.
Macclesfield	7	Cheshire	53 16	2 8W.	III	m.	a.	
Malin Head	9	Donegal	55 23	7 24W.	T.	D,W,M.	a, c.	
Mallarany	9	Mayo	53 55	9 47W.	III	W,m.	—	

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Normals.	Authority.
Malta	—	—	35 53	14 30E.	I	M.	—	Superintendent, Meteorological Office.
Malvern	4	Worcester ..	52 8	2 18W.	III H.	W,m.	d.	Borough Surveyor.
Manchester (City) ..	7	Lancashire ..	53 29	2 13W.	II	w,m.	a.	Medical Officer of Health.
„ (Swinton) ..	7	Lancashire ..	53 30	2 20W.	III	m.	—	Medical Officer of Health.
„ (Whitworth Park)	7	Lancashire ..	53 28	2 14W.	II	W,M,W ¹ .	a.	University of Manchester.
Mansfield	4	Nottingham ..	53 9	1 11W.	III	m.	—	The Borough Surveyor.
Marchmont	1	Berwick	55 44	2 25W.	II	W,m.	a, c, d.	P. Ross.
Margate	5	Kent	51 24	1 24E.	III H.	d,W,m.	a, c, d.	The Corporation.
Markree Castle ..	9	Sligo	54 11	8 27W.	II	W,M.	a, b, c.	J. R. Armstrong, for Major Cooper.
Marlborough	5	Wilts	51 25	1 44W.	III	W,m.	a, c.	W. F. Harling.
Mayfield	4	Stafford	53 0	1 46W.	III	m.	—	G. C. Lawson.
Meltham	4	Yorkshire (W.R.)	53 36	1 50W.	III	m.	—	C. L. Brook.
Montrose	1	Forfar	56 42	2 28W.	III	m.	—	Burgh Surveyor.
Morecambe	7	Lancashire ..	54 4	2 52W.	III H.	m.	d.	Borough Council.
Morwenstow	8	Cornwall	50 54	4 33W.	II	m.	—	Rev. H. Hugh Breton, M.A.
Mountmellick	10	Queen's Co. ..	53 7	7 20W.	III	m.	—	W. A. Robinson.
Mursley	4	Buckingham ..	51 59	0 49W.	II	m.	—	Lady Beecham.
Nairn	1	Nairn	57 36	3 52W.	T.	D,W,M.	a, c, d.	Miss Penny, for M.O.
Newcastle	10	Wicklow	53 5	6 6W.	II	m.	—	Medical Officer, National Hospital for Consumption.
Newport	5	Isle of Wight ..	50 42	1 18W.	III	m.	—	Miss Morey.
Newport (Hospital) ..	8	Monmouth	51 35	3 0W.	III	m.	—	Medical Officer of Health.
Newquay	8	Cornwall	50 25	5 4W.	III H.	W,M.	a, d.	C. C. Vigurs, B.A., M.D., for Urban District Council.
Newton Abbot	8	Devonshire ..	50 33	3 38W.	III C.W.	m.	—	Seale Hayne Agricultural College.
Newton Rigg	7	Cumberland ..	54 40	2 49W.	II C.W.	W,m.	a.	The Cumberland County Council.
Newtonbarry	10	Wexford	52 39	6 39W.	III	m.	—	G. T. Lewis.
Newtownforbes	9	Longford	53 46	7 51W.	II	m.	—	James Boyle, for the Earl of Granard.
North Berwick	1	Haddington ..	56 3	2 43W.	II H.	m.	—	Burgh Surveyor.
Norwich (Eaton)	3	Norfolk	52 37	1 16E.	III	W,m,W ¹ .	a, d.	A. W. Preston.
„ (Ipswich Rd.) ..	3	Norfolk	52 37	1 17E.	III	w,m.	—	J. H. Willis.
Nottingham	4	Nottingham ..	52 56	1 9W.	III	W,M,W ¹ .	a, d.	City Engineer.
Oban	6	Argyll	56 25	5 30W.	II H.	m.	—	Burgh Surveyor.
Onich	0	Inverness	56 43	5 13W.	III	W,M.	—	Forestry Commission (Scotland).
Oundle	4	Northampton ..	52 29	0 28W.	III	W,m.	—	Oundle School.
Osgodby	2	Yorkshire (E.R.)	53 47	1 2W.	III C.W.	m.	—	The Professor of Agriculture, University of Leeds.
Over Court Park	4	Gloucester	51 32	2 35W.	III	m.	—	J. Cann Lippincott.
Oxford	4	Oxford	51 46	1 16W.	III	W,M.	a, c, d.	Radcliffe Observer.
„ (Sandford)	4	Oxford	51 43	1 14W.	III C.W.	m.	—	Prof. Watson.
Paignton	8	Devonshire	50 26	3 34W.	III H.	d,m.	—	C. Bellinger, for Town Council.
Paisley	6	Renfrew	55 51	4 26W.	II A.	W ¹ ,w,m,μ.	a.	D. Maclean, F.R.A.S., for Coats Observatory Committee.
Pendennis Castle	—	—	—	—	—	—	—	See Falmouth.
Penzance	8	Cornwall	50 7	5 32W.	III H.	d,m.	d.	District Council.
Perth	1	Perth	56 24	3 27W.	III	W ¹ ,m.	a.	J. Ritchie, for Town Council.
Petersfield (Stoner Hill)	5	Hampshire	51 2	0 58W.	IIIA.	m,μ,w.	—	Capt. C. J. P. Cave, J.P.
Phoenix Park	—	—	—	—	—	—	—	See Dublin.
Plymouth (The Hoe) ..	8	Devonshire	50 22	4 8W.	IIA.	W,ω,m,W ¹ ,μ.	a, c, d.	H. Victor Prigg, A.M.I.C.E., for the Corporation.
„ (Cattewater)	8	Devonshire	50 22	4 8W.	I	D.M.	—	Meteorologist-in-Charge, for M.O.
Pontefract	4	Yorkshire(W.R.)	53 42	1 19W.	III	m.	—	Headmaster, The King's School.
Portland Bill	8	Dorset	50 32	2 27W.	T.	D,W,M.	a.	Lightkeeper, for M.O.
Porton	5	Wilts	51 7	1 42W.	II	W,m.	—	Supt. of Experiments, R.E.
Portsmouth	5	Hampshire	50 48	1 6W.	III H.	d,m,W ¹ .	a.	Medical Officer of Health.
Quilty	10	Clare	52 50	9 28W.	A.	ω,μ.	—	West and South Clare Railway Co.
Ramsgate	5	Kent	51 20	1 25E.	III H.	d,m.	a.	Borough Engineer.
Raunds	4	Northampton ..	52 20	0 31W.	III	W,m.	a.	W. E. Newman, A.C.P.
Reading:—	—	—	—	—	—	—	—	—
Shinfield	5	Berkshire	51 25	0 57W.	III	m.	—	Professor J. A. Crowther.
University College ..	5	Berkshire	51 27	0 58W.	III	m.	—	Professor J. A. Crowther.
Redruth	8	Cornwall	50 14	5 14W.	III	m.	—	A. P. Jenkin, J.P.
Regent's Park	—	—	—	—	—	—	—	See London.
Renfrew	6	Renfrew	55 52	4 24W.	I	D,W,M.	—	Meteorologist-in-Charge, for M.O.
Rhayader	8	Radnor	52 1	3 31W.	III	W,M.	—	E. D. Prothero, for M.O.
Rhyl	7	Flint	53 19	3 29W.	III H.	d,m.	a, d.	Borough Surveyor.
Richmond (Kew Obs.)	—	—	—	—	—	—	—	See London.
Roads	4	Northampton ..	52 9	0 53W.	III	m.	—	R. W. Janes.
Roche's Point	10	Cork	51 47	8 15W.	T.	D,W,M.	a, c, d.	M. Fitz Mahoney, Post Office, for M.O.
Roden (Wellington) ..	4	Shropshire	52 45	2 38W.	II	m.	—	J. W. Nowell.
Ross-on-Wye	4	Hereford	51 54	2 35W.	T.	D,w,M.	a, d.	F. J. Parsons, Mus.Bac.
Rothamsted	3	Hertford	51 48	0 22W.	II C.W.	W,M.	a, c, d.	Lawes Agricultural Trust.
Rothesay	6	Bute	55 50	5 4W.	II	W,M.	a, c, d.	J. Davidson and the Town Clerk.
Rounton	2	Yorkshire (N.R.)	54 24	1 18W.	II	W,m.	a, c.	Sir Hugh Bell, Bart.
Rugby	4	Warwick	52 22	1 15W.	III	m.	c, d.	Rugby School.
Ruthwell	6	Dumfries	55 0	3 26W.	III	m.	—	William Brown, for the Earl of Mansfield.
Ryde	5	Isle of Wight ..	50 44	1 10W.	III	m.	—	Borough Engineer.
St. Albans	3	Hertford	51 46	0 18W.	III	m.	—	The Principal, Oaklands Institute.
St. Andrews	1	Fife	56 20	2 47W.	III H.	m.	d.	Burgh Surveyor.
St. Ann's Head	8	Pembroke	51 41	5 11W.	T.	D,W,M.	a, c, d.	Lightkeeper, for M.O.
St. Heliers	—	—	—	—	—	—	—	See Jersey.
St. James's Park	—	—	—	—	—	—	—	See London.
St. Leonards	5	Sussex	50 51	0 33E.	II H.	d,W,M.	a, c, d.	W. R. Butterfield, for the Corporation.

Station.	Dist.	County.	Lat.	Long.	Classification.	Publication.	Normals.	Authority.
Salcombe	8	Devonshire ..	50 14	3 46W.	III	m.	a.	J. G. Howard, for Town Association.
Sandown	5	Isle of Wight ..	50 39	1 9W.	III	m.	—	C. Orchard, for Sandown District Council.
Scaleby	7	Cumberland ..	54 54	2 52W.	III	m.	a.	Lady Allison.
Scarborough ..	2	Yorkshire(N.R.)	54 17	0 24W.	III H.	W,M.	a, c, d.	Medical Officer of Health.
Scilly	11	Cornwall	49 56	6 18W.	T.A.	D,W,ω,M,μ.	a, c, d.	Coastguard for M.O.
Sealand*	7	Flint	53 13	3 0W.	I	D,W,M,μ.	—	Meteorologist-in-Charge, for M.O.
Selsey Bill ..	5	Sussex	50 43	0 47W.	III	m.	—	E. Heron Allen, F.R.S.
Seskin(Carrick-on-Suir)	10	Waterford ..	52 21	7 24W.	II	W,M.	—	L. Grubb.
Shaftesbury ..	8	Dorset	51 1	2 12W.	III	W,m.	a, d.	G. P. Barter, for M.O.
Sheffield	4	Yorkshire (W.R.)	53 23	1 29W.	III	W,W ¹ ,m.	a, c, d.	E. Howarth, F.R.A.S., for the Corporation.
Shinfield								See Reading.
Shoeburyness ..	3	Essex	51 32	0 47E.	T.A.	D,ω,M,μ.	a, d.	Meteorologist-in-Charge, for M.O.
Sidmouth	8	Devonshire ..	50 41	3 15W.	III	m.	a.	Miss C. M. Radford.
Skegness	2	Lincolnshire ..	53 9	0 21E.	III H.	d,w,m.	a.	Urban District Council.
Smeaton	1	Haddington ..	56 0	2 39W.	III	m.	—	Sir A. Buchan-Hepburn, Bart.
Southampton ..	5	Hampshire ..	50 55	1 24W.	II	W,M.	a, c, d.	Director General of Ordnance Survey.
Southend	3	Essex	51 30	0 45E.	III H.	d,W,m.	a.	The Piermaster.
South Farnborough ..	5	Hampshire ..	51 15	0 45W.	I	D,M,ω,μ.	—	Meteorologist-in-Charge, for M.O.
South Kensington ..								See London.
Southport	7	Lancashire ..	53 39	2 59W.	II H.A.	d,W,ω,M,μ.	a.	J. Baxendell, for the Corporation.
South Shields ..	2	Durham	55 0	1 26W.	A.	ω,μ.	—	Tyne Improvement Commission.
Sparkhill								See Birmingham.
Sprowston	3	Norfolk	52 40	1 20E.	III C.W.	m.	—	The Director, Norfolk Agricultural Station.
Spurn Head	2	Yorkshire(E.R.)	53 34	0 7E.	T.A.	D,W,M,ω,μ.	a, c, d.	Lightkeeper, for M.O.
Stirling	6	Stirling	56 7	3 56W.	III	m.	—	J. Fyfe, C.S.I., for Town Council.
Stonyhurst	7	Lancashire ..	53 51	2 28W.	II	W,M.	a, c, d.	The Director of the Observatory.
Stornoway	0	Hebrides	58 11	6 22W.	T.	D,W,M.	a, c, d.	W. Grant, for M.O.
Strathpeffer Spa ..	0	Ross and Cromarty	57 37	4 28W.	III	W,m.	a.	W. P. Hutton.
Strelley	4	Nottingham ..	52 58	1 15W.	III	m.	a.	T. L. K. Edge, M.A.
Stroud Green ..								See London.
Sutton Bonington ..	4	Nottingham ..	52 50	1 15W.	III C.W.	m.	—	The Midland Agricultural and Dairy College.
Swansea	8	Glamorgan ..	51 37	3 55W.	III H.	m.	d.	The Corporation.
Swinton								See Manchester.
Tavistock	8	Devonshire ..	50 33	4 10W.	III	m.	—	W. J. Monk.
Teignmouth	8	Devonshire ..	50 33	3 29W.	III H.	m.	a.	Medical Officer of Health.
Tenbury (St. Michaels)	4	Worcester ..	52 18	2 36W.	III	W,m.	—	Frederick Lowe.
Tenby	8	Pembroke ..	51 41	4 42W.	III H.	m.	a.	The Corporation.
Thorntonhall	6	Lanark	55 46	4 15W.	III	m.	—	A. Henderson Bishop.
Tiree	6	Argyll	56 32	6 55W.	T.	D,W,M,μ.	—	D. O. Maclean, for M.O.
Torquay	8	Devonshire ..	50 28	3 31W.	III H.	d,m.	a, d.	The Corporation.
Totland Bay	5	Isle of Wight ..	50 41	1 33W.	III	m.	a.	J. Dover, M.A.
Tottenham								See London.
Tunbridge Wells ..	5	Kent	51 8	0 16E.	III H.	d,W,M.	a.	Medical Officer of Health.
Turnberry	6	Ayr	55 19	4 50W.	III	m.	—	B. McKinlay.
Tynemouth	2	Northumberland	55 1	1 25W.	T.	D,W,M,W ¹ .	a, c, d.	Coastguard, for M.O.
Ushaw	2	Durham	54 47	1 39W.	II	m.	d.	Ushaw College.
Usk	8	Monmouth ..	51 42	2 55W.	III	m.	—	Monmouthshire Agricultural Institution.
Valentia Obs. ..								See Cahirciveen.
Ventnor (Hospital) ..	5	Isle of Wight ..	50 36	1 13W.	II	W,M.	a, c, d.	Royal National Hospital for Consumption.
Ventnor (Public Park)	5	Isle of Wight ..	50 36	1 13W.	III H.	d,m.	—	Urban District Council.
Wakefield	4	Yorkshire(W.R.)	53 40	1 30W.	III	m.	a.	Waterworks Engineer.
Wallasey	7	Cheshire	53 26	3 3W.	III H.	d,m.	—	Medical Officer of Health.
Walton-on-Naze ..	3	Essex	51 51	1 16E.	III H.	m.	—	Urban District Council.
Waterford (Gortmore)	10	Waterford ..	52 16	7 7W.	III	W,m.	a.	Mrs. N. H. White.
Weaver Point ..	10	Cork	51 48	8 17W.	A.	ω,μ.	—	Cork Harbour Commissioners.
Wellington	4	Shropshire ..	52 43	2 30W.	III C.W.	m.	—	Harper Adams Agricultural College.
Wellington (Roden) ..								See Roden.
Welshpool	7	Montgomery ..	52 39	3 8W.	III	m.	—	County School.
West Kirby	7	Cheshire	53 23	3 11W.	III	m.	—	Rev. Eric. F. Robson.
West Linton	1	Peelbes	55 45	3 21W.	III	W,m.	a.	W. Mackie.
Westminster:—								
St. James's Park ..								See London.
Training College ..								
Weston-super-Mare ..	8	Somerset	51 20	2 59W.	III H.	m.	a.	Urban District Council.
West Witton	2	Yorkshire(N.R.)	54 17	1 54W.	III	W,m.	—	J. B. Espiner.
Weymouth	8	Dorset	50 36	2 27W.	III H.	d,w,m.	—	Town Clerk.
Whitworth Park ..								See Manchester.
Wick	0	Caithness ..	58 27	3 6W.	T.	D,W,M.	a, c, d.	Coastguard, for M.O.
Winchester	5	Hampshire ..	51 7	1 19W.	I	D,M,μ.	—	Meteorologist-in-Charge, for M.O.
(Worthy Down)								
Wisley	5	Surrey	51 17	0 26W.	III C.W.	W,M.	a.	Royal Horticultural Society.
Wistanstow	4	Shropshire ..	52 28	2 50W.	II	m.	a.	J. W. Clarke.
Woburn	3	Bedford	52 1	0 35W.	III	m.	a.	Lawes Agricultural Trust.
Wolfele	1	Roxburgh ..	55 23	2 39W.	III	m.	a, c, d.	J. Minto
Worcester (Perdiswell)	4	Worcester ..	52 13	2 13W.	III C.W.	m.	—	The Agricultural Organizer.
Worksop	4	Nottingham ..	53 22	1 5W.	II	W,m.	a, d.	Miss E. F. Mellish.
Worthing	5	Sussex	50 49	0 22W.	III H.	d,W,m.	a, c.	Medical Officer of Health.
Woolacombe	8	Devonshire ..	51 10	4 12W.	II	m.	a.	Miss Chichester.
Wye	5	Kent	51 11	00 57E.	III C.W.	m.	—	South Eastern Agricultural College.
Yarmouth	3	Norfolk	52 37	1 43E.	T.	†	a, c, d.	Medical Officer of Health.
York (Bootham) ..	2	Yorkshire (N.R.)	53 57	1 5W.	†		—	Meteorological Curator, Bootham School.
„ (Museum)	2	Yorkshire (N.R.)	53 57	1 5W.	II	W,M,W ¹ .	a, c, d.	Dr. W. E. Collinge, F.L.S., for the Yorkshire Philosophical Society.

* Formerly known as Shotwick.

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

‡ Sunshine only.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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JANUARY, 1927: RATHER MILD; WET AND STORMY.

General.—January on the whole was rather mild, wet except in some eastern districts, and windy, extremely stormy weather prevailing about the middle of the month and between the 26th and 29th.

On the first day of the month, pressure was low over Iceland and high to the south of the British Isles and in all districts westerly winds prevailed. Heavy rain, associated with the passage of secondaries to the Icelandic depression, fell in some northern districts of Scotland on the 1st and 2nd; 39mm. fell at Lerwick on the 1st and 60mm. at Kinlochquoich on the 2nd. In southern districts mainly fair weather with some local light rain prevailed during the first two days. On the 3rd the depression north of Scotland extended its influence over the whole of the British Isles and in its rear the winds veered to the north on the 4th; there was a temporary drop in temperature and snow or sleet occurred in many places.

The mild westerly conditions were renewed on the 5th and from the 6th to the 12th day temperatures were in the neighbourhood of 50°F., the highest temperatures of the month in most districts occurring during the period 8th to the 10th. Rain fell frequently but amounts were generally moderate with the exception of some heavy local falls in Scotland.

On the 12th a depression approached the north-western districts of the British Isles and deepened; widespread gales occurred on the 12th and 13th, gusts of over 70 mi/hr. occurring in exposed places in western districts. After the 13th, the temperature dropped considerably, and on the 15th frost persisted throughout the day at Aberdeen. There was more than a week of cold weather with frequent sleet or snow and much fog at times. Maximum temperatures did not exceed 40°F. in the north, and the lowest night temperatures of the month, 12°F. in the screen and 8°F. on the ground, occurred on the 20th at West Linton. On the 22nd and 23rd milder weather prevailed temporarily in some parts. The passage eastwards of a secondary trough of low pressure caused a heavy fall of snow over a wide area on the 20th and in northern districts road services were greatly disorganized.

Very stormy weather prevailed during the last week. On the 24th and 25th a depression centered near Iceland caused gales and heavy rain on our western coasts. During the next few days the passage of vigorous secondaries maintained unsettled stormy weather. On the 28th a very deep depression west of Ireland caused widespread gales which in some districts were of exceptional violence (see remarks under Pressure and Winds). Associated with the passage of a secondary to this depression, heavy rain fell in many parts of England and Wales and Ireland during the night of the 28th to 29th and in some places thunderstorms occurred, e.g. 81mm. (3.19 in.) fell at Holne, Devon and 63mm. (2.47 in.) at Tynywaum, Gloucester. After this the weather cleared temporarily, and fine sunny conditions were experienced on the 31st.

The general character of the month is illustrated by the following remarks taken from observers' notes:—Southport—A generally mild, wet and stormy westerly month with little sunshine but curiously fine evenings. Virtually double the normal duration of due westerly winds. Huddersfield (Oakes)—A mild month. Berkhamsted.—The month was mild and rather wet, the seventh successive mild January. Cloudiness much below the average. Copdock.—Except for rainfall and sunshine, both of which are below the normal, the other figures for the month are extraordinarily close to my 25-year average. Falmouth.—The wettest January since 1919. Cork.—First part of month fairly dry, second part wet with visitations of hail, snow and gales, accompanied by thunderstorms and floods.

Pressure and Winds.—The mean pressure was everywhere below the normal, the greatest deficiency at a fixed hour amounting to 13.4 mb. at Aberdeen. The mean isobars trended roughly from south-west to north-west over Scotland and from west to east over England and Wales and Ireland. A notable feature of the wind circulation during the month was the marked prevalence of westerly winds. The highest recorded pressure at mean sea level was 1040 mb. at St. Mary's, Scilly, on the 9th and the lowest 952 mb. at Stornoway on the 28th.

The month was stormy, gales occurring locally on the 2nd, 4th and 10th, widely on the 12th, 13th and from the 26th to the 29th. Widespread gales on the 12th and 13th were associated with the passage of the depression (Track J) across Scotland; gusts exceeding 70 mi/hr. were recorded at Fleetwood, Southport and Holyhead on the night of the 12th and at Quilty (Clare) and St. Mary's (Scilly) on the 13th.

The passage of depressions and secondaries across the British Isles between the 25th and 29th caused very stormy weather, notably on the 28th when a storm of exceptional violence was experienced in western and northern districts. At Dunfanaghy (north-west Ireland) the wind speed on the 28th exceeded 80 mi/hr. for a brief period, averaged 74 miles for a complete hour and in a gust touched 109 mi/hr. At Tiree (west coast of Scotland) the wind reached an average speed

for an hour of 66 miles and in a gust touched 108 miles. Gusts of 104 mi/hr. at Paisley, 102 mi/hr. at Renfrew and 92 mi/hr. at Lerwick were recorded on the 28th. Considerable structural damage, involving loss of human life in some cases, was caused by the storm. On the 29th a gust of 92 mi/hr. was recorded at Pendennis (Cornwall).

Temperature.—January on the whole was a mild month with the exception of low temperatures on the 4th and 5th and between the 13th and 23rd. The mean temperature of Districts 1–10 was 40.9°F. and was 1.6°F. above the normal. The mean temperature was above the normal in all Districts, the largest excess 2.3°F. occurring in England E. (mean temperature 40.2°F.) and the smallest excess, 0.8°F., in Scotland N. and Ireland S. (mean temperatures 39.0°F. and 42.9°F. respectively). The warmest period extended generally from the 8th to the 10th; and the coldest nights occurred about the 21st. Ground frost occurred frequently during the month.

The extreme temperatures for the month were:—(England and Wales) 59°F. at Sealand on the 9th, 15°F. at Larkhill on the 20th; (Scotland) 58°F. at Balmoral on the 9th, 10°F. at Braemar on the 20th; (Ireland) 60°F. at Cork on the 9th, 21°F. at Dublin (Phoenix Park) on the 20th.

Precipitation.—Except in coastal districts in the east of England and Scotland rainfall totals were everywhere above the normal, the excess in most cases being well marked. The general precipitation of the British Isles expressed as a percentage of the normal 1881–1915 was 126; the values for the constituent countries were:—England and Wales 122, Scotland 130, Ireland 132.

In Scotland precipitation was slightly below the normal in some eastern districts, but over the greater part of the country there was a decided excess. In the west and south rain fell on every day from 1st to 13th with some heavy falls on the 2nd, 6th, 7th and 12th, while in eastern districts amounts were comparatively moderate. During the next few days, precipitation was unimportant, except on the 17th, but on the 20th a wet period lasting until the end of the month set in with rain extending to all districts on most days from the 24th onwards. At Baltasound (Shetland) rain of measurable amount fell on every day of the month. Amongst the heaviest daily falls were 60mm. (2.35 in.) at Kinlochquoich on the 2nd, 57mm. (2.24 in.) at Gruline in Mull on the 12th and 57mm. (2.23 in.) at Achnacarry on the 27th.

In England and Wales the largest excesses occurred in Devon and Cornwall; at Polapit Tamar (near Launceston) the total for the month represented more than twice the normal.

In Ireland the largest excesses occurred in the north-western and western districts, more than twice the normal rainfall for January being recorded at Creggan (Londonderry), Markree and Foynes.

Snow fell rather widely on the 4th and round about the 20th. "Snow lying" was reported on several days in Scotland; there were as many as 18 days of "snow lying" at Leadhills. In London the depth of snow on the 21st was 5½ inches.

Thunderstorms occurred in general on only one or two days; the highest number reported was five at Oban and Newtownforbes. Hail occurred on several occasions.

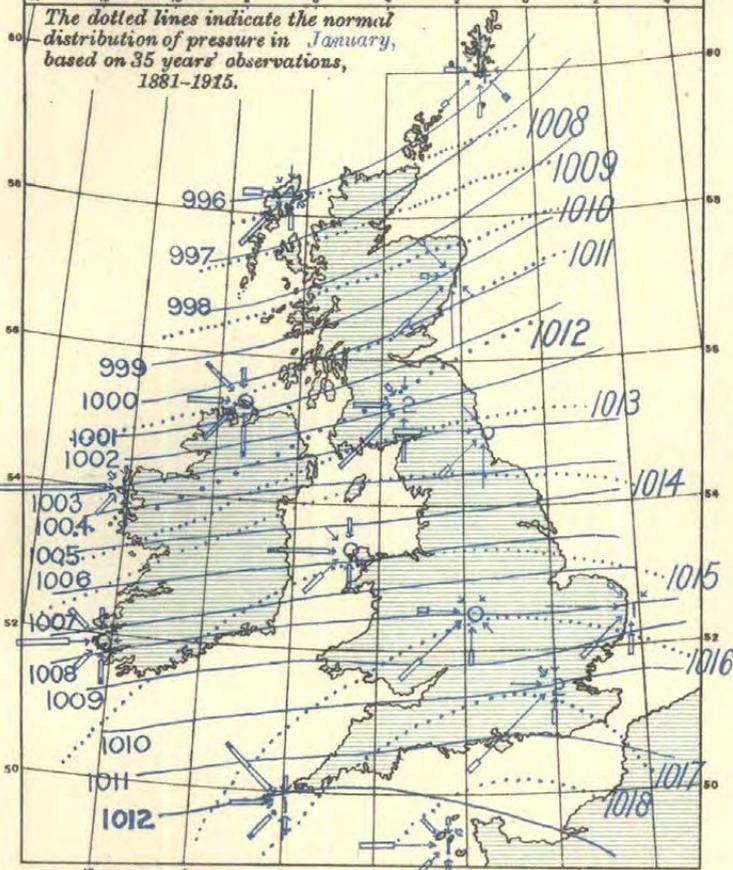
Sunshine.—The mean daily duration of sunshine was about or below normal in most districts. There was an excess in Scotland E., England E. and S.E. and Ireland S. Scotland E. had the greatest excess relative to the normal for the District, 0.35 hr. (mean daily duration 1.72 hr.) and England S.W. the greatest deficiency, 0.17 hr., (mean daily duration 1.50 hr.). The week ending January 22nd was the sunniest week generally.

Fog.—Fog occurred locally on various dates but was most widely prevalent from about the 16th to the 24th. Thick fog occurred in some London districts on the 17th, 20th and 23rd and in the Glasgow area on the 18th and 20th.

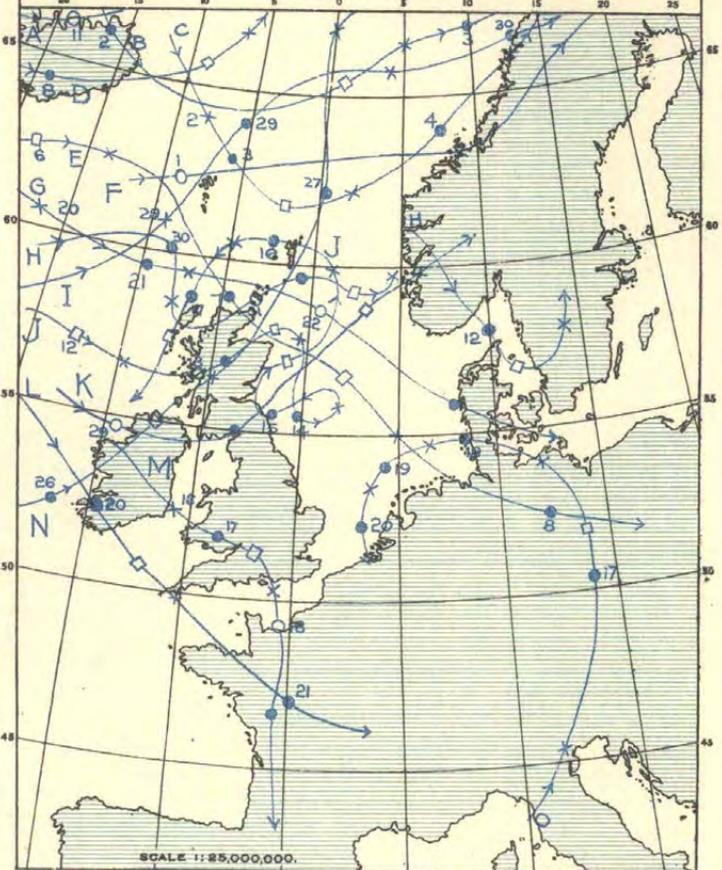
Miscellaneous Phenomena.—Halos of 22° were observed on several days during the month. Parhelia were seen at Oxford on the 16th and 21st and at Huddersfield (Oakes) on the 17th. The Zodiacal Light was observed at Oxford on the 30th and at Tenbury on the 31st. Aurora was observed at Gordon Castle on the 1st and 4th, at Baltasound (Shetland) on the 4th, 7th, 25th, 27th, 29th and 30th, at Aberdeen on the 4th and 7th, at West Witton on the 7th and at some points in Scotland on the 5th, 6th and 8th. Lerwick Observatory reported auroral glows on 4th, 5th, 6th and 8th and an active display on the 7th.

A severe earth tremor was experienced in the eastern districts of Scotland as far north as Baltasound about 5.20 a.m. on the 24th and another in western districts on the morning of the 27th.

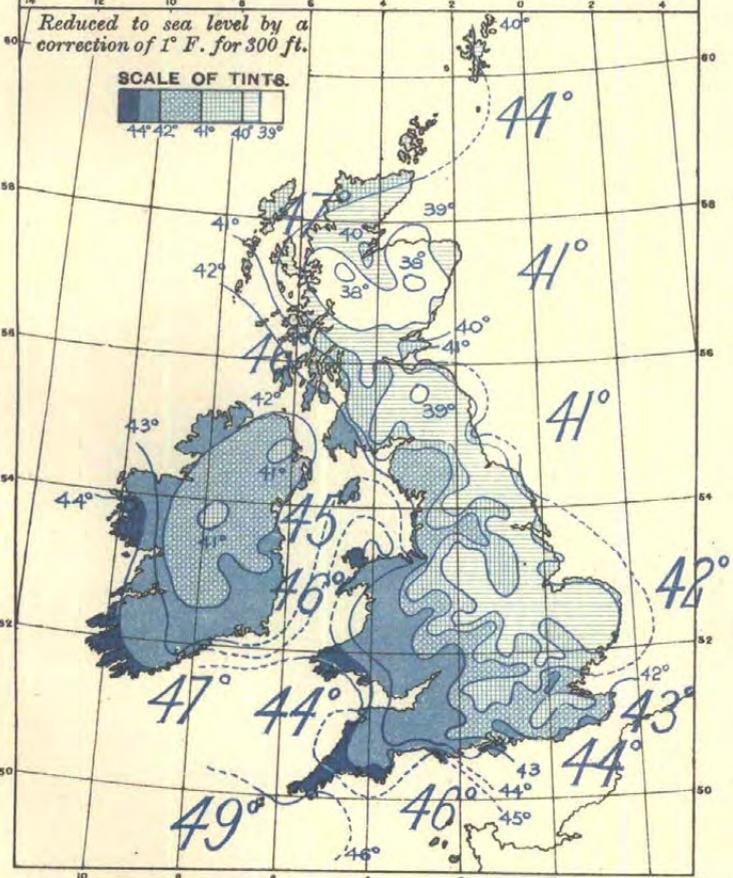
1. WIND AND MEAN PRESSURE. 7 A.M.



2. MOVEMENTS OF DEPRESSIONS.

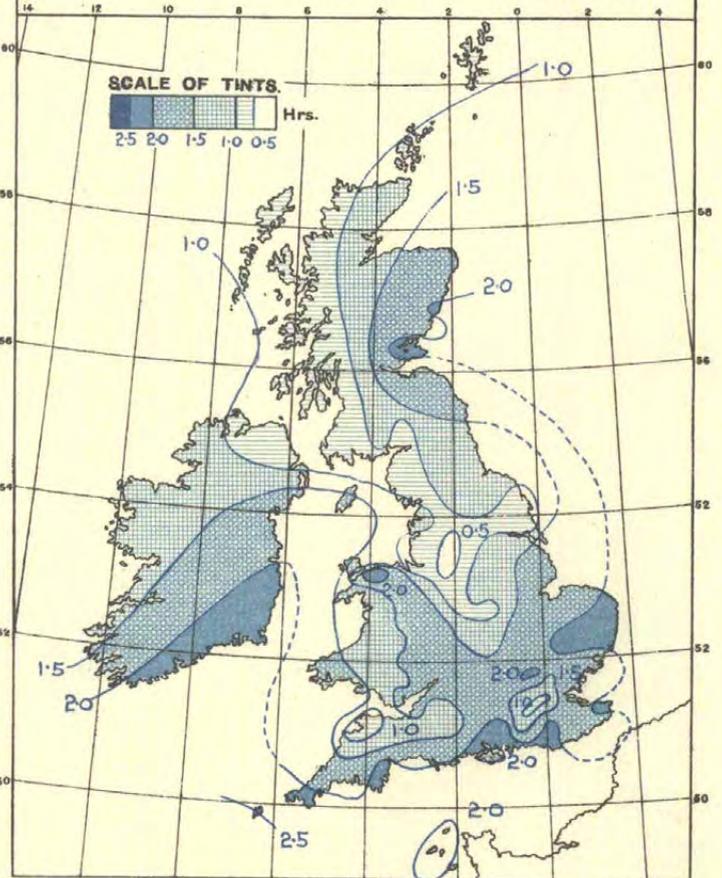


3. DISTRIBUTION OF MEAN TEMPERATURE.

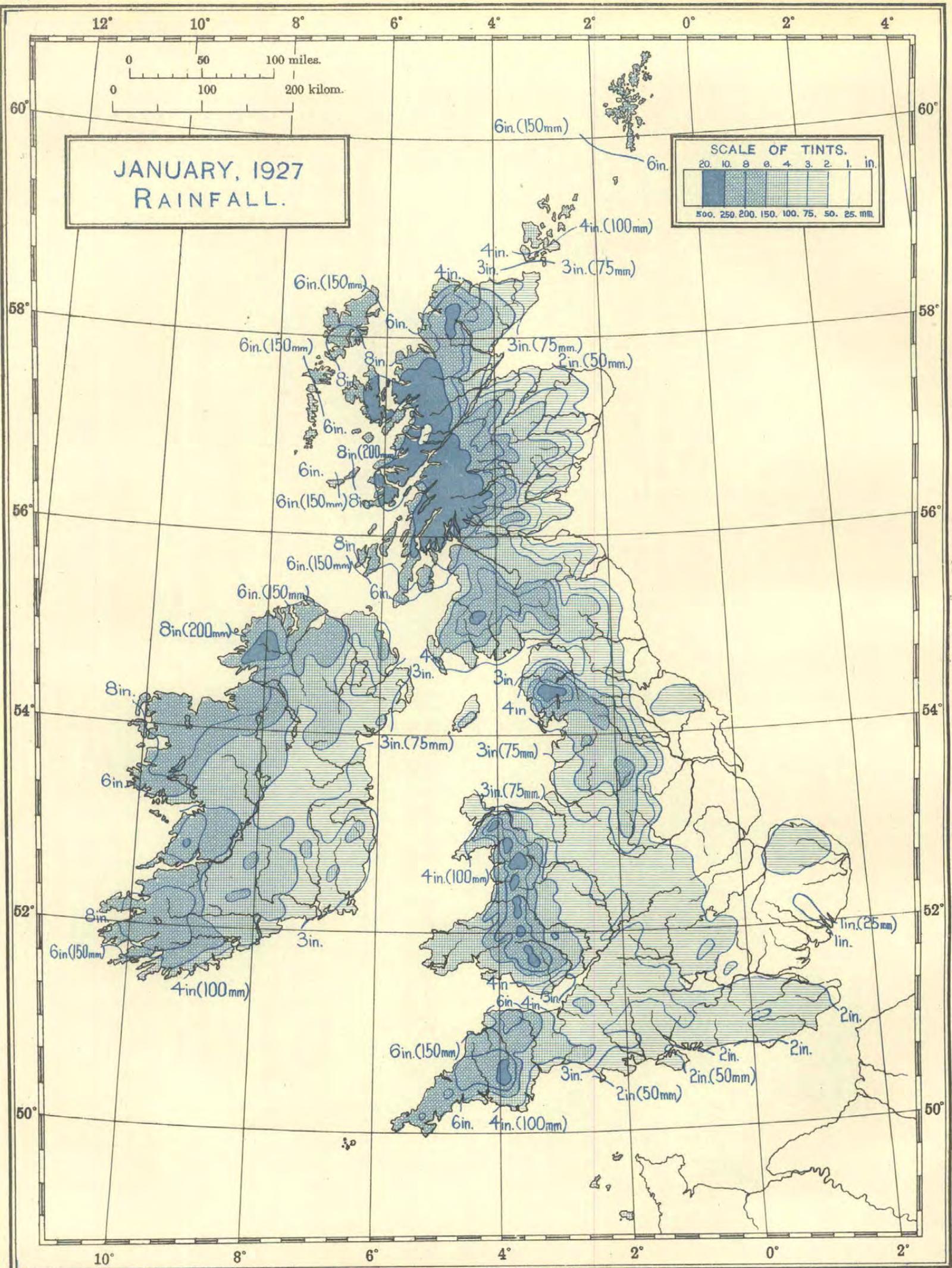


Sea temperatures are shown in large figures, thus: 45°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 1974/1458. Wt. 70A. D. 22. 1/25. 2/27.

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

TABLE III.—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JANUARY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.		
			Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.						
			A	B		Maximum.	Date.	Minimum.					Date.	Amount.	Date.	0.2 mm. or more.							1 mm. or more.	Daily Mean.	Deviation from Normal.	Per Cent.			
0. SCOTLAND, N.																													
Shetlands. Baltasound	9 9 9	31	43.0	35.0	39.0	—	49	1,8	23	5th	—	—	6.57	167	—	25	1st	31	25	3	3	6	2	0	—	6	0.60	—	9
Lerwick	18-7 7	54	43.0	37.4	40.2	+1.1	50	9th	24	4.5	—	—	6.94	176	+68	39	1st	29	23	9	—	2	1	0	—	5	0.83	—	13
Orkneys. Deerness	2121 9	160	43.4	36.7	40.1	+1.1	50	1,2	27	5th	—	—	3.99	101	+13	13	12th	24	19	4	0	3	0	0	9	8	1.04	+0.07	15
Kirkwall	9 9 9	151	43.0	36.3	39.7	—	50	1,2,8	26	5th	—	—	3.44	87	—	11	26th	23	16	7	0	3	0	0	10	7	1.51	—	22
Hebrides. Castlebay	18-7 7	37	46.1	40.3	43.2	—	52	9th	34	5,22	—	—	4.91	125	—	14	2nd	30	25	6	0	10	0	0	—	3	0.95	—	13
Stornoway	18-7 7	30	43.5	36.6	40.1	+0.8	52	9th	24	5th	—	—	6.88	175	+44	23	26th	30	27	3	—	6	1	0	—	1	0.57	-0.33	88
Caithness. Wick	18-7 7	81	43.2	35.5	39.3	+1.4	53	9th	24	20th	—	—	2.46	62	0	9	12th	23	18	4	2	2	0	0	—	2	—	—	—
Ross & Achnashellach	9 9 9	225	41.5	34.1	37.8	+0.7	52	9th	23	20th	—	—	14.87	377	+121	55	2nd	23	23	7	4	1	1	3	12	2	—	—	—
Cromarty. Forthrose	9 9 9	69	44.4	34.7	39.5	—	54	10th	27	5.20	—	—	2.24	57	—	8	27,30	23	14	2	0	0	0	0	—	1	1.25	—	17
Inverness. Strathpeffer	9 9 9	125	42.4	31.8	37.1	-0.2	53	2,9	21	20,21	—	—	5.31	135	+55	19	28th	22	19	6	2	0	0	—	0	—	—	—	
Ft. Augustus	9 9 9	68	43.4	33.5	38.5	+0.8	53	9th	20	20,21	—	—	8.18	208	+71	28	27th	25	20	4	2	1	0	2	—	1	0.35	-0.26	58
Inverness	9 9 9	242	43.7	35.9	39.8	—	54	1,9	24	20th	—	—	3.77	96	+33	17	27th	19	18	8	2	0	0	1	13	1	1.00	—	13
1. SCOTLAND, E.																													
Nairn. Nairn	18-7 7	82	41.5	34.9	38.2	+1.0	53	9th	24	20th	—	—	2.52	64	+13	11	27th	21	12	5	3	0	0	0	—	2	1.21	—	17
Elgin. Gordon Castle	2121 9	104	43.9	33.9	38.9	+0.8	54	2,9,10	25	5th	—	—	2.15	55	+4	8	13th	18	13	4	11	0	0	—	3	1.56	—	21	
Banff. Banff	9 9 9	130	43.6	34.8	39.2	—	54	9th	25	17th	—	—	1.56	39	—	7	26th	15	10	3	0	0	0	0	24	2	1.57	—	22
Aberdeen. Aberdeen	242424	46	43.0	35.0	39.0	—	57	9th	25	17th	—	40.7	1.87	47	-8	9	12th	16	13	7	1	4	0	0	14	0	1.91	+0.36	26
Balmoral	9 9 9	927	40.6	28.8	34.7	—	58	9th	13	20th	—	—	3.79	96	+26	15	26th	23	14	6	11	0	0	1	22	1	—	—	—
Braemar	2121 9	1120	41.0	29.7	35.3	+1.0	51	9th	10	20th	—	—	2.60	66	-15	12	26th	14	12	10	11	0	0	6	20	1	—	—	—
Craibstone	9 9 9	300	42.5	33.1	37.8	—	55	9th	23	5th	36.3	39.4	1.84	47	—	13	12th	18	10	5	2	1	0	—	16	1	1.93	—	268
Logie Coldstone	9 9 9	608	42.7	30.6	36.7	—	56	9th	17	17,22	—	—	2.58	65	+9	11	28th	20	15	6	6	0	0	7	27	0	—	—	—
Forfar. Arbroath	2121 9	93	44.2	32.9	38.5	—	56	9,10	23	20th	—	—	1.41	36	—	5	29th	16	12	5	3	0	0	0	16	2	1.89	—	25
Carnoustie	9 9 9	39	43.8	33.7	38.7	—	55	9th	25	21st	—	—	1.74	44	—	6	12,29	21	15	5	4	0	0	—	1	1.76	—	23	
Dundee (E. Nec.)	2121 9	198	42.1	33.2	37.7	+0.6	51	10th	22	20th	—	—	1.91	49	0	6	12th	20	16	4	3	0	0	—	2	—	—	—	
Mayfield	9 9 9	147	43.7	34.2	38.9	—	57	9th	24	20th	37.7	—	1.81	46	—	6	12th	20	15	4	7	0	0	—	15	2	2.07	—	28
Kettins	9 9 9	218	43.4	32.5	37.9	—	56	9th	20	20,21	36.5	—	3.25	83	—	21	12th	19	14	5	9	0	0	0	18	2	—	—	—
Montrose	9 9 9	16	44.2	33.8	39.0	—	54	9th	25	20th	—	—	1.64	42	—	10	24th	16	12	4	1	0	0	1	—	3	2.29	—	31
Perth. Crieff	2121 9	478	42.9	32.6	37.7	+0.8	55	9th	20	20th	—	—	5.01	127	+25	21	24th	22	20	7	6	0	0	—	3	—	—	—	
Perth	9 9 9	76	43.6	33.4	38.5	+1.5	57	9th	16	20th	—	—	2.85	72	+8	12	27th	21	17	8	4	0	0	—	4	1.50	—	20	
Fife. Cupar	9 9 9	210	43.7	33.6	38.7	—	54	9,28	21	21th	—	—	2.42	61	—	13	27th	21	17	5	7	1	0	—	0	—	—	—	
Inchkeith	18-7 7	190	44.0	38.2	41.1	—	52	9th	30	5,20	—	—	0.98	25	—	5	29th	20	9	6	0	1	0	0	6	2	1.63	—	21
Kirkcaldy	9 9 9	66	44.5	35.5	40.0	—	54	9th	24	20,21	—	—	2.02	51	—	6	27th	24	19	3	1	0	0	—	1	—	—	—	
Leuchars	18-7 7	40	43.7	35.2	39.5	—	55	9th	24	20th	—	—	1.57	40	—	9	27th	18	14	7	1	1	0	0	17	3	2.13	—	28
St. Andrews	9 9 9	20	44.7	34.1	39.4	—	55	9th	24	20,21	37.4	40.7	2.13	54	—	11	12th	19	16	2	0	1	0	0	16	3	1.92	—	25
Linlithgow. Bangour	2121 9	587	41.6	32.9	37.3	—	51	9th	17	20th	—	—	2.94	75	—	11	29th	25	21	13	10	1	0	1	—	3	—	—	—
Edinburgh. Blackford Hill	2121 9	441	43.7	35.4	39.5	+1.5	52	9,10	26	20th	—	—	2.23	57	+13	9	27th	23	15	4	0	0	0	—	10	4	1.82	+0.24	24
Boghall	9 9 9	645	41.6	34.5	38.1	—	52	9th	23	19,20	37.6	40.5	2.18	55	—	5	24th	23	18	8	6	0	0	—	16	2	1.55	—	20
Edin. Univ.	9 9 9	227	44.4	36.7	40.5	—	53	9,10	27	20,21	38.5	41.9	2.08	53	+6	7	29th	22	16	—	—	—	—	—	—	—	—	—	—
Liberton	9 9 9	190	44.5	—	—	—	53	9th	—	—	—	—	2.45	62	—	11	27th	21	16	3	0	0	0	—	3	—	—	—	
Haddington N. Berwick	9 9 9	152	44.2	34.8	39.5	—	53	9th	27	20th	—	—	1.25	32	—	7	28th	19	13	4	1	0	0	0	14	3	1.31	—	17
Smeaton	9 9 9	100	43.9	34.5	39.2	—	53	9th	26	5,20	38.6	—	1.55	39	0	6	28th	16	12	2	1	0	0	0	21	2	—	—	—
Berwick. Marchmont	9 9 9	498	43.0	32.9	37.9	+1.5	53	9th	21	22nd	—	—	2.40	61	+4	10	27th	22	13	4	3	0	0	—	2	1.52	+0.17	20	
Peebles. West Linton	9 9 9	770	41.2	31.8	36.5	+2.3	51	9th	12	20th	—	—	4.03	102	—	10	8th	28	22	11	11	0	0	—	14	6	—	—	
Roxburgh. Kelso (Br'ml'ds)	9 9 9	195	43.8	33.6	38.7	—	56	8th	22	20th	—	—	1.87	47	+3	8	29th	22	12	3	2	0	0	2	—	2	—	—	—
Wolfelee	9 9 9	537	41.7	31.9	36.8	—	52	9th	16	20th	—	—	4.23	107	+26	18	27th	23	18	6	9	0	0	—	1	—	—	—	—
6a. SCOTLAND, W.																													
Argyll. Ardnadam	9 9 9	60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ardornish	2121 9	48	44.4	—	—	—	52	8,9	—	—	—	—	19.17	487	—	64	12th	29	27	7	2	5	0	—	4	—	—	—	
Ford	9 9 9	149	45.5	35.9																									

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JANUARY, 1927.

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station above Mean Sea Level; Air Temperature in Degrees Fahrenheit (Means of A and B, Absolute Maximum and Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Deviation from Normal, Most in a day); Weather (Precip'n, Snow lying, Hail, Thunderstorm, Fog, Ground Frost, Calc.); Bright Sunshine (Hours per day, Daily Mean, Deviation from Normal, Per Cent.).

+ At Scarborough the earth thermometer is at a depth of 3ft. † Botanic Gardens, published in this Report from July, 1899. †† University Farm station. ** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft. § See paragraph headed "Sunshine" in Notes on Tables on last page of this issue.

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, JANUARY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.		Height of Station above Mean Sea Level*	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER Number of days.										BRIGHT SUNSHINE.								
	Max.	Min.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.												
				A	B		Max.	Min.	Max.					Date.	Minimum.	Date.	Amount.						Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Fail.	Daily Mean.	Deviation from Normal.	Per Cent.					
5. ENGLAND, S.E.—cont.																																			
Hampshire	Calshot	18-7	7	8	46.1	37.9	42.0	—	53	9th	25	20th	—	—	1.94	49	mm.	mm.	mm.	mm.	10	26th	16	12	3	0	3	0	2	11	4	2.33	—	28	
—(cont.)	Grayshott	9 9 9	661		43.9	33.7	38.8	+1.1	52	9th	23	20th	38.5	—	2.76	70	mm.	mm.	mm.	mm.	9	18th	25	15	7	7	4	0	5	20	3	2.10	+0.29	25	
	Long Sutton	9 9 9	479		44.9	34.9	39.9	—	52	9th	26	20th	39.0	—	2.14	54	mm.	mm.	mm.	mm.	11	28th	19	12	4	3	1	0	3	15	1	2.09	—	25	
	Petersfield (Stoner Hill)	9 9 9	748		43.5	34.3	38.9	—	50	9th	25	20th	—	—	3.46	88	mm.	mm.	mm.	mm.	9	26th	26	16	5	1	1	1	7	16	2	—	—	—	
	Portsmouth	9 9 9	15		47.2	37.7	42.5	+2.4	54	9th	25	20th	41.4	45.3	2.27	58	mm.	mm.	mm.	mm.	10	26th	22	14	2	0	0	0	5	15	1	2.14	—	25	
	Southamp'n	2121	9	64	46.8	36.0	41.4	+1.3	53	9th	22	20th	—	—	2.38	60	mm.	mm.	mm.	mm.	10	26th	22	15	2	0	0	2	0	8	11	2	1.59	-0.12	19
	S. Farnboro'	18-7	7	230	45.3	34.6	39.9	—	53	9th	21	20th	—	—	1.74	44	mm.	mm.	mm.	mm.	10	28th	22	12	6	3	2	0	4	16	0	2.00	—	24	
	Winchester (Worthy Down)	18-7	7	272	45.1	35.5	40.3	—	53	6,9	20	20th	—	—	2.40	61	mm.	mm.	mm.	mm.	14	28th	23	12	5	1	2	1	5	16	0	1.81	—	22	
I. of Wight.	Newport	9 9 9	9	43	46.7	35.6	41.1	—	54	9th	21	20th	—	—	2.78	71	mm.	mm.	mm.	mm.	13	26th	20	14	2	1	4	1	3	14	2	—	—	—	
	Ryde	9 9 9	13		46.8	38.2	42.5	—	53	9th	26	20th	—	—	2.39	61	mm.	mm.	mm.	mm.	11	26th	22	13	0	0	0	0	1	1	1	1.83	—	22	
	Sandown	9 9 9	30		47.0	36.3	41.7	—	54	9th	21	20th	—	—	2.70	69	mm.	mm.	mm.	mm.	15	26th	26	14	1	0	1	0	1	0	0	2.13	—	25	
	Totland Bay	9 9 9	140		46.5	38.6	42.5	+2.2	50	6,9,27	26	20th	—	—	2.19	56	mm.	mm.	mm.	mm.	8	26th	21	12	1	0	1	1	1	9	2	2.12	+0.06	25	
	Ventnor (Hospital) (Public Pk.)	9 9 9	59		47.3	39.6	43.5	+1.8	52	8,9	30	20th	—	—	2.59	66	mm.	mm.	mm.	mm.	10	26th	23	13	—	—	—	—	—	—	—	2.36	+0.42	28	
	Wilt.	9 9 9	196		46.4	38.9	42.7	—	51	8,9	31	19,20	41.1	45.6	2.53	64	mm.	mm.	mm.	mm.	10	26th	22	14	3	1	1	0	0	1	0	2.27	—	27	
	Larkhill	9 9 9	440		44.9	34.2	39.5	—	51	6,9	15	20th	—	—	2.62	67	mm.	mm.	mm.	mm.	20	28th	22	13	3	2	0	0	0	6	16	2	—	—	—
	Marlboro'	9 9 9	424		44.9	32.6	38.7	+1.3	52	9th	17	20th	39.1	43.9	3.99	99	mm.	mm.	mm.	mm.	47	28th	22	14	10	5	0	0	—	19	2	1.44	+0.05	17	
	Porton	9 9 9	363		45.5	32.8	39.1	—	52	6,9	18	20th	39.4	—	2.46	63	mm.	mm.	mm.	mm.	16	28th	23	13	5	1	0	0	3	18	0	1.92	—	23	
7a. ENGLAND, N.W.																																			
Cumberland.	Aspatria (Mealsgate)	2121	9	487	43.5	35.8	39.7	+1.6	51	9,26	25	20th	40.7	43.7	3.87	98	mm.	mm.	mm.	mm.	14	12th	27	22	2	2	0	0	—	6	1	0.82	-0.63	11	
	Keswick	9 9 9	254		—	36.6	—	—	53	8,9	24	20th	40.9	44.0	7.29	185	mm.	mm.	mm.	mm.	37	12th	25	23	12	4	9	0	0	13	1	0.60	—	8	
	Newton Rigg	2121	9	559	44.4	34.4	39.4	+2.5	57	9th	20	20th	—	—	3.83	97	mm.	mm.	mm.	mm.	15	26th	25	20	4	3	1	0	0	11	2	0.95	-0.34	12	
	Scaleby	9 9 9	111		44.0	34.0	39.0	+1.4	53	9th	20	20th	—	—	3.89	99	mm.	mm.	mm.	mm.	19	24th	26	19	4	2	1	1	—	—	—	—	—	—	
Lancashire.	Blackpool	9 9 9	66		44.9	38.1	41.5	+2.8	51	26th	26	20th	41.1	44.5	3.17	81	mm.	mm.	mm.	mm.	17	24th	24	18	4	1	5	1	5	6	4	1.09	-0.46	14	
	Blundellsands	9 9 9	34		45.3	38.1	41.7	—	52	26,28	27	20th	40.1	43.2	3.64	92	mm.	mm.	mm.	mm.	15	24th	25	20	4	1	6	0	—	8	4	—	—	—	
	Bolton	9 9 9	341		43.8	35.0	39.4	—	50	9,28	20	21st	39.3	42.0	5.43	138	mm.	mm.	mm.	mm.	19	15th	27	23	7	5	2	1	—	14	0	0.45	—	6	
	Burnley	9 9 9	458		43.1	34.8	38.9	—	50	9th	21	20th	39.2	42.5	4.59	117	mm.	mm.	mm.	mm.	11	12th	28	24	9	2	5	0	1	11	1	0.48	—	68	
	Darwen	2121	9	724	41.6	34.5	38.1	—	49	9,10	25	20th	38.2	41.3	5.95	151	mm.	mm.	mm.	mm.	15	20th	26	24	12	6	4	0	5	11	1	0.50	—	6	
	Hutton	9 9 9	82		44.0	35.6	39.8	—	51	28th	23	20th	39.4	42.8	3.63	92	mm.	mm.	mm.	mm.	13	24th	25	20	5	5	4	1	4	12	6	0.69	—	9	
	Lancaster	9 9 9	311		44.2	36.6	40.4	—	50	9,26,28	28	20th	39.3	42.5	4.45	113	mm.	mm.	mm.	mm.	19	24th	25	23	5	2	2	1	1	15	3	1.05	—	13	
	Leyland	9 9 9	124		43.9	35.4	39.7	—	51	9,26,28	23	19,20	—	—	3.47	88	mm.	mm.	mm.	mm.	12	24th	25	19	5	4	3	0	2	14	4	0.68	—	9	
	Manchester (Whitworth Pk.)	2121	9	125	45.3	36.7	41.0	+1.9	52	9,10	24	20th	—	—	3.57	91	mm.	mm.	mm.	mm.	9	28th	24	21	4	3	0	0	7	3	3	0.58	0.00	7	
	(Oldham Road)	2121	9	190	44.8	36.8	40.8	+1.3	52	9,10	25	20th	39.4	43.7	4.21	107	mm.	mm.	mm.	mm.	13	16th	26	24	8	—	1	0	—	4	1	0.28	-0.17	38	
	(Swinton)	9 9 9	253		44.5	34.5	39.5	—	52	11th	25	20th	—	—	4.07	114	mm.	mm.	mm.	mm.	14	21st	23	23	12	5	4	1	3	19	2	0.37	—	5	
	Morecambe	9 9 9	24		44.5	37.5	41.0	—	51	26th	26	20th	—	—	3.94	100	mm.	mm.	mm.	mm.	17	24th	24	23	—	—	—	—	—	—	—	—	—		
	Southport	9 9 9	37		44.9	37.9	41.4	+2.7	52	26th	27	20th	38.7	41.2	3.75	95	mm.	mm.	mm.	mm.	15	24th	24	19	5	0	8	2	0	7	6	1.00	-0.55	12	
	Stonyhurst	9 9 9	377		43.1	35.3	39.2	+1.4	50	9,26,28	24	20th	—	—	5.43	138	mm.	mm.	mm.	mm.	29	14	8th	26	23	4	5	4	0	0	9	3	20.86	-0.14	118
Cheshire.	Hoyle	9 9 9	30		47.3	37.7	42.5	+2.6	54	11,26,28	26	20th	—	—	3.06	78	mm.	mm.	mm.	mm.	18	24th	26	20	—	—	—	—	—	—	—	—	—		
	Liverpool (Bidston)	18-7	7	189	44.4	38.6	41.5	+2.2	52	26,28	27	20th	—	—	2.97	75	mm.	mm.	mm.	mm.	13	24th	24	18	6	—	6	0	0	1	3	1.69	+0.24	24	
	Macclesfield	9 9 9	500		42.3	33.4	37.9	+1.0	51	9th	23	20th	—	—	3.37	86	mm.	mm.	mm.	mm.	14	14th	21	17	9	26	1	0	4	—	2	—	—	—	
	Wallasey	9 9 9	35		40.0	37.5	41.7	—	53	26,28	28	20th	—	—	3.26	83	mm.	mm.	mm.	mm.	15	24th	22	19	4	0	5	0	2	—	1	1.31	—	16	
	West Kirby	9 9 9	25		45.5	37.3	41.4	—	52	26,28	30	19,20	—	—	2.26	57	mm.	mm.	mm.	mm.	16	24th	23	16	7	1	11	1	0	9	7	2.01	—	25	
7b. NORTH WALES.																																			
Flint.	Hawarden B'ge	9 9 9	22		47.7																														

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JANUARY, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.				MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.					8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ...	9	352	1003.4	—	38.5	1.2	7.2	89	5.9	2	6	8	9	6	0	0	0	1	4	2	18	6	0	0	2	1	28	0	1	1	0	1	7	11	9	1	
	21	352	1003.5	—	39.6	1.5	7.3	87	5.5	10	2	3	3	13	0	0	0	0	2	1	19	9	0	0	0	10	19	2	1	0	0	1	7	9	10	1	
York, N. Riding. Scarborough...	9	96	1004.2	—	39.6	1.4	7.4	87	6.0	3	5	9	7	7	0	0	0	1	0	10	5	8	7	0	0	1	30	0	2	0	0	0	9	9	9	2	
	21	53	1004.9	—	39.2	1.6	6.9	85	7.5	2	4	4	3	18	—	—	—	—	—	—	—	—	—	—	—	0	1	30	0	3	1	1	0	15	4	6	1
E. Riding. Spurn Head	9	28	1006.1	—	39.5	0.9	7.4	92	4.8	11	3	3	8	6	0	0	0	0	5	8	16	2	0	0	22	8	1	0	1	0	3	8	9	8	1		
	7	28	1005.5	-0.0	39.0	1.0	7.3	91	7.2	1	5	5	8	12	1	0	1	0	0	4	8	15	2	0	0	19	11	1	1	0	0	4	9	9	6	1	
	13	28	1004.8	—	42.2	1.5	7.9	87	8.2	0	2	3	16	10	0	0	0	1	0	7	19	4	0	0	1	17	12	1	0	0	0	3	7	15	3	2	
	18	28	1004.8	—	40.7	1.3	7.8	89	6.6	4	3	5	9	10	0	0	0	2	1	8	10	10	0	0	0	19	11	1	0	0	0	3	10	10	6	1	
Lincoln. Cranwell H	1	240	1008.1	—	38.2	0.4	7.6	96	5.6	3	10	3	6	9	0	0	1	0	4	3	20	3	0	0	0	15	16	0	0	1	0	0	4	13	10	3	
	7	240	1007.6	—	37.5	0.5	7.7	96	6.4	0	11	1	9	10	0	0	1	0	2	3	19	5	1	0	0	13	17	1	1	0	0	0	5	12	10	2	
	13	240	1006.8	—	42.2	1.1	8.4	91	8.5	1	0	4	12	14	0	1	0	0	1	0	22	3	4	0	0	0	16	15	0	1	0	0	2	4	15	8	1
	18	240	1006.8	—	39.9	0.6	8.0	95	6.8	1	7	4	10	9	0	0	0	0	3	4	20	3	1	0	0	0	17	13	1	2	0	0	1	3	11	11	2
3. ENGLAND, E.																																					
Norfolk. Cromer ...	9	74	1007.5	—	40.2	1.4	7.4	87	6.3	0	6	12	9	4	0	0	0	0	0	1	13	10	7	0	0	7	24	0	1	1	0	0	6	9	12	2	
Norfolk. Yarmouth...	1	26	1009.5	—	39.2	1.3	7.1	88	5.6	9	2	5	5	10	0	0	0	0	2	12	15	2	0	0	11	20	0	0	0	1	0	7	11	9	3		
	7	26	1009.2	-6.6	38.5	0.8	7.4	93	6.6	0	9	7	2	13	0	0	1	0	1	2	8	17	2	0	0	7	23	1	0	1	0	0	6	8	13	2	
	13	26	1008.8	—	43.3	1.8	8.1	87	7.1	0	4	10	5	12	0	1	0	0	0	2	20	8	0	0	0	16	14	1	0	0	1	0	6	13	7	2	
	18	26	1008.4	—	41.2	1.1	7.9	91	6.2	5	5	5	1	15	0	0	0	0	0	2	12	17	0	0	0	10	20	1	1	0	0	9	13	6	1		
Suffolk. Felixstowe Aero.	7	20	1009.7	—	38.9	1.0	7.3	91	6.5	3	4	6	10	8	0	1	2	1	3	2	8	11	3	0	0	11	18	2	1	1	0	1	5	8	8	5	
	13	20	1009.2	—	42.5	2.0	7.8	83	7.2	1	5	2	13	10	0	0	1	1	3	5	8	9	4	0	0	15	16	0	1	0	0	9	12	6	3		
	18	20	1009.1	—	41.1	1.3	7.8	89	5.6	2	10	5	7	7	0	0	0	0	1	5	12	10	3	0	0	13	15	3	1	0	1	0	7	11	5	3	
Cambridge. Cambridge H	9	43	1009.3	-7.8	39.1	1.3	7.3	89	7.0	3	3	4	9	12	—	—	—	—	—	—	—	—	—	—	—	0	6	25	0	1	0	1	2	4	10	10	3
	21	43	1008.4	-8.4	39.5	1.2	7.5	90	5.5	10	0	6	3	12	—	—	—	—	—	—	—	—	—	—	—	0	4	26	1	0	0	2	1	4	14	7	2
Hertford. Rothamsted	9	396	1009.3	—	38.1	1.0	7.0	91	6.6	2	8	1	7	13	1	2	1	0	1	9	17	0	0	0	0	6	17	8	0	0	0	5	8	7	2	1	
Essex. Shoeburyness H	7	14	1010.0	—	38.9	0.7	7.6	94	6.8	2	7	2	6	14	2	1	0	1	1	6	10	7	3	0	0	6	22	3	0	1	0	0	4	14	7	2	
	13	14	1009.3	—	44.2	1.8	8.5	86	6.6	3	5	4	9	10	0	0	0	0	2	5	10	2	12	0	0	12	19	0	0	1	0	0	6	14	8	2	
	18	14	1009.2	—	41.3	1.0	8.2	91	5.8	6	4	6	3	12	0	0	0	0	1	3	13	8	6	0	0	9	21	1	0	0	0	1	4	15	8	2	
4. MIDLAND COUNTIES.																																					
York, W. Riding. Harrogate...	7	478	1004.9	—	38.4	1.1	6.9	90	7.8	0	4	4	12	11	0	0	1	0	3	2	4	15	6	0	1	9	19	2	1	0	0	0	6	18	3	1	
	13	478	1004.1	—	41.1	1.8	7.4	84	7.9	0	5	2	13	11	0	0	0	0	3	4	3	14	7	0	1	15	14	1	1	0	0	0	5	21	2	1	
	18	478	1004.5	—	39.5	1.2	7.2	89	6.8	1	8	1	14	7	0	0	1	0	1	0	7	22	0	0	1	9	20	1	2	0	0	0	6	18	3	1	
Nottingham. Nottingham	9	215	1006.6	—	38.9	1.6	6.9	85	8.4	0	2	2	13	14	1	5	6	6	5	1	5	2	0	0	1	9	21	0	2	0	0	1	2	5	20	1	
Warwick. Birmingham H	7	542	1008.0	—	38.3	1.3	7.1	89	6.6	3	4	5	13	6	1	0	0	1	2	5	5	5	12	0	0	9	22	0	0	1	0	2	6	15	6	1	
	13	542	1007.0	—	42.5	2.2	7.6	81	6.9	1	2	7	17	4	0	0	1	0	4	2	10	3	11	0	0	13	18	0	0	1	1	0	4	15	8	2	
	18	542	1007.3	—	40.4	1.6	7.4	85	5.2	2	11	7	2	9	0	0	0	2	1	6	11	5	6	0	0	9	22	0	1	1	0	0	4	14	7	4	
Oxford. Oxford ...	9	212	1009.8	-7.8	39.1	1.3	7.2	88	6.9	3	4	3	10	11	0	2	2	2	4	1	6	8	6	0	0	10	18	3	1	0	0	2	5	12	7	1	
Hereford. Ross-on-Wye...	7	226	1008.5	—	39.7	1.8	7.1	84	6.6	0	9	4	7	11	0	1	1	0	0	1	5	7	16	0	0	9	18	4	1	0	0	0	3	16	7	0	
	13	226	1007.7	—	44.5	3.1	7.6	75	7.5	0	5	4	14	8	0	0	0	1	0	4	2	22	1	0	14	16	1	1	0	1	0	3	10	11	4	0	
	18	226	1008.2	—	42.5	2.4	7.5	79	6.7	0	7	6	8	10	0	0	0	0	1	0	2	5	6	16	1	0	9	22	0	2	0	0	1	5	10	13	0
	21	226	1008.8	—	41.5	2.1	7.0	81	6.5	2	8	2	8	11	0	0	0	1	1	1	7	5	16	0	0	7	23	1	1	1	0	0	4	16	7	1	
Gloucester. Cheltenham H	9	230	1008.8	—	41.2	2.1	7.3	82	6.6	3	6	5	1	16	0	0	0	0	0	9	17	5	0	0	0	4	27	0	0	1	0	2	3	12	11	2	
	21	230	1008.9	—	41.2	1.8	7.5	84	5.9	10	3	1	1	16	0	0	0	0	0	14	14	3	0	0	0	1	29	1	0	1	0	1	0	9	16	3	
5. ENGLAND, S.E.																																					
London. Greenwich H	9	152	1010.5	-6.9	39.6	1.3	7.4	88	7.5	4</																											

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JANUARY, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.															
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).			DIRECTION.											
										0	1 to 2	3 to 4	5 to 6	7 to 8	9 to 10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	10	11	12			
5. ENGLAND, S.E.—cont.																																						
Kent.	Biggin Hill H	7	616	1010.2	—	37.6	0.3	7.4	94	6.7	5	3	4	6	13	0	2	2	2	0	3	15	6	1	0	0	14	16	1	1	0	0	1	2	16	9	1	
		13	616	1009.0	—	42.5	2.1	7.7	83	7.5	0	5	5	9	12	0	0	1	0	0	3	4	14	8	1	0	0	14	17	0	0	1	1	0	2	18	8	1
		18	616	1009.4	—	39.5	1.0	7.5	91	6.5	1	10	3	5	12	0	0	0	0	0	3	5	13	7	3	0	0	13	18	0	1	0	0	2	1	16	9	2
Kent.	Dungeness ...	1	21	1011.7	—	40.9	0.8	8.1	93	6.1	5	3	7	9	7	0	1	0	0	0	2	5	13	10	0	0	1	7	23	0	1	0	0	1	2	10	13	4
		7	21	1010.6	-6.2	40.4	0.5	8.0	95	7.2	2	2	5	13	9	0	0	1	0	2	1	2	15	10	0	0	0	9	21	1	2	0	0	1	2	7	12	6
		13	21	1010.2	—	44.5	1.5	8.9	87	7.6	1	1	6	12	11	0	0	0	0	0	1	2	18	7	0	0	0	10	20	1	0	1	0	0	3	12	13	1
Kent.	Lympne H	18	21	1010.2	—	42.7	1.0	8.6	91	7.3	1	4	7	5	14	0	0	0	0	1	0	4	14	12	0	0	0	10	21	0	1	0	0	1	4	9	10	6
		1	343	1011.0	—	38.7	0.9	7.4	92	6.6	5	4	1	11	10	0	0	3	0	2	2	11	11	2	0	0	9	22	0	2	0	1	0	2	8	13	5	
		7	343	1010.7	—	37.9	0.7	7.4	94	7.5	0	4	6	11	10	0	1	2	1	2	4	12	7	2	0	0	0	11	20	0	1	1	0	0	4	8	12	5
Kent.	Tunbridge Wells	13	343	1010.0	—	43.1	2.0	8.0	83	7.5	2	3	3	14	9	0	1	0	1	2	3	8	12	4	0	1	15	15	0	0	1	0	1	5	11	10	3	
		18	343	1010.1	—	40.3	1.1	7.8	90	7.4	3	2	5	7	14	0	0	0	0	4	5	11	7	4	0	0	14	16	1	1	0	0	1	5	10	9	4	
		9	396	1011.5	—	38.7	0.7	7.5	93	7.5	2	3	2	8	16	0	0	2	1	8	4	12	4	0	0	0	0	5	26	0	0	1	0	3	6	14	3	4
Sussex.	Brighton H	9	48	1011.5	—	41.0	0.9	8.2	92	6.1	8	1	5	4	13	0	0	0	1	2	4	15	9	0	0	0	1	25	5	3	1	0	0	6	10	4	2	
Sussex.	St. Leonards	9	174	1011.0	—	40.6	1.0	8.0	91	7.4	1	3	5	9	13	0	0	1	0	5	12	12	0	0	0	0	5	26	0	1	2	0	0	2	10	9	7	
		21	174	1010.1	—	41.6	1.2	8.1	90	6.2	6	4	4	4	13	0	0	0	0	1	6	3	21	0	0	1	3	27	0	2	1	1	1	1	7	13	5	
I. of Wight.	Ventnor(Hosp.)	9	80	1011.5	—	43.1	1.5	8.2	87	6.5	0	8	6	7	10	—	—	—	—	—	—	—	—	—	—	—	0	15	16	0	2	1	1	1	7	14	4	
		15	80	1010.3	—	44.8	2.1	8.4	83	6.1	0	7	10	6	8	—	—	—	—	—	—	—	—	—	—	—	0	14	17	0	0	2	0	1	0	9	15	4
Hampshire.	Calshot ...	1	15	1011.4	—	41.3	1.3	7.7	88	5.1	8	6	2	9	6	0	1	0	0	0	2	4	10	14	0	0	13	17	1	1	1	0	1	3	10	12	2	
		7	15	1010.9	—	40.1	1.1	7.5	90	6.7	3	6	2	11	9	0	2	0	0	1	1	5	9	13	0	1	16	14	0	0	2	0	1	2	12	12	2	
		13	15	1010.2	—	44.6	2.4	8.0	81	7.4	1	2	8	11	9	0	0	0	0	2	2	8	9	10	0	0	25	6	0	2	0	1	2	6	9	8	3	
Hampshire.	Southampton H	18	15	1010.6	—	42.3	1.7	7.6	85	5.6	2	8	7	4	10	0	0	0	0	0	0	6	16	9	0	0	0	17	13	1	1	0	1	3	17	7	1	
		9	84	1012.6	-5.2	40.7	1.4	7.7	88	7.1	5	1	1	12	12	0	2	5	1	3	5	15	0	0	0	0	2	29	0	1	3	0	1	11	9	5		
		21	84	1011.9	-5.6	41.8	1.3	8.1	88	6.6	8	1	1	5	16	1	0	0	1	4	11	14	0	0	0	0	0	3	28	0	1	4	0	0	9	13	4	
Hampshire.	S. Farnborough H	7	256	1010.2	—	37.5	0.7	7.3	94	7.3	2	6	1	8	14	0	1	1	2	2	1	3	12	9	0	0	5	23	3	1	0	0	0	4	11	10	2	
		13	256	1009.4	—	44.2	2.2	8.2	83	7.6	1	2	6	10	12	0	0	1	0	0	1	9	9	11	0	0	13	16	2	1	0	0	0	6	7	14	1	
		18	256	1009.6	—	40.4	1.3	7.7	89	5.9	4	5	6	5	11	0	0	1	1	0	2	5	11	11	0	0	0	6	19	6	1	0	0	0	3	8	11	2
Hampshire.	Winchester (Worthy Down)	7	273	1010.5	—	37.5	0.7	7.1	93	7.3	3	5	1	7	15	0	2	2	1	2	2	9	11	2	0	0	6	18	7	1	0	0	3	7	7	5	1	
		13	273	1009.6	—	43.5	1.8	8.2	85	7.9	1	2	3	14	11	0	1	0	0	1	1	8	14	6	0	0	13	18	0	2	0	0	2	5	9	11	2	
		18	273	1009.9	—	40.6	1.3	7.6	89	5.7	2	9	6	5	9	0	1	0	1	0	1	8	18	2	0	0	5	22	4	1	0	1	0	8	9	7	1	
Wilt's	Larkhill H	9	444	1010.3	—	38.7	0.7	7.7	94	6.9	2	6	3	9	11	0	3	0	3	0	3	8	14	0	0	0	16	15	0	2	0	0	3	7	10	8	1	
		13	444	1009.3	—	42.9	1.6	8.2	87	8.2	1	1	4	12	13	0	0	0	1	1	1	2	5	21	0	0	22	9	0	2	0	0	1	5	8	11	4	
		15	444	1009.0	—	42.9	1.8	8.1	85	7.2	0	7	3	12	9	0	0	1	0	0	1	2	4	23	0	1	19	11	0	2	0	0	1	5	10	11	2	
7a. ENGLAND, N.W.																																						
Cumberland.	Aspatria (Mealsgate)	9	485	1002.7	—	40.1	1.0	7.6	91	8.8	0	1	4	4	22	—	—	—	—	—	—	—	—	—	—	—	1	5	22	3	0	0	0	3	3	18	4	0
		21	485	1003.5	—	39.5	0.9	7.4	91	7.7	2	2	6	1	20	—	—	—	—	—	—	—	—	—	—	—	0	9	19	3	0	1	0	2	0	18	7	0
Lancashire.	Hutton ...	9	86	1005.4	—	39.4	0.8	7.5	93	8.2	2	1	2	10	16	—	—	—	—	—	—	—	—	—	—	0	4	13	14	0	0	0	2	4	3	7	1	
Lancashire.	Southport H	9	42	1005.6	-10.1	40.6	1.3	7.7	89	7.8	0	5	4	7	15	0	0	0	0	1	12	6	1	11	0	1	17	13	0	2	1	0	4	5	6	11	2	
		13	42	1004.8	-10.6	42.7	1.6	8.1	86	8.3	0	2	3	12	14	0	0	0	0	1	5	5	1	19	0	2	22	6	1	1	0	3	4	7	10	4		
		17	42	1005.1	-10.1	42.1	1.7	7.9	85	7.0	0	7	5	4	15	0	0	0	0	3	4	9	2	13	0	2	23	6	0	3	1	0	0	6	7	11	3	
Lancashire.	Stonyhurst	21	42	1005.9	-9.7	41.1	1.4	7.8	88	6.6	0	5	11	5	10	0	0	0	0	1	13	6	2	9	0	0	21	8	2	1	1	0	0					

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open," the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director. South Kensington, S.W.7, February 28th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 4 "
7	" 4 " " 6½ "
8	" 6½ " " 12½ "
9	" 12½ " " 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section 1, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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FEBRUARY, 1927: MAINLY COLD, DRY AND FOGGY TO 19th, THEREAFTER MILD AND UNSETTLED. WET IN THE SOUTH.

General.—February 1927 was chiefly remarkable for an unusual prevalence of fog. Anticyclonic weather prevailed generally up to the 18th with low temperatures from about the 8th to the 13th; from the 19th onwards conditions were mild and unsettled with considerable precipitation in England and Wales.

Cloudy conditions generally with some rain at a few places and showers of sleet in some northerly districts characterised the weather of the opening day of the month. On the night of the 1st to the 2nd, associated with the passage across Southern England of a secondary depression, heavy rain, sleet or snow occurred in southern districts, 41mm. (1.61 in.) being measured at Folkestone and 31mm. (1.22 in.) at Cullompton on the morning of the 2nd. Snow lay on the ground in many parts of the country, the average depth at Biggin Hill being 8 in., and at Oxford, Hampstead and Rothamsted about 3 in. on the 2nd. Fresh to strong south-westerly winds veering to the north-west with cloudy weather and some rain or showers prevailed on the 3rd and 4th. On the 5th a ridge of high pressure began to extend northwards across the British Isles and from the 6th until about the 19th anticyclonic conditions persisted over the greater part of the country. During this period much mist or fog prevailed, particularly from the 11th to 17th, and was especially persistent in the eastern districts of England and in the English Channel. Little or no rain occurred from the 7th to 19th except in the western and north-western districts which came occasionally under the influence of the depression centred near Iceland. Temperature was low from the 8th to 13th; on the 12th the maximum at Leafield was as low as 27°F. and at Birmingham, Hereford and Oundle, as low as 29°F., while screen minima below 20°F. were registered at a few places, the lowest, 12°F. occurring at Wellington (Roden) on the 11th.

From the 19th onwards, conditions became mild and unsettled with rain at times but with some fair colder periods. Hail was reported at several places on the 23rd and snow occurred at Shaftesbury (Dorset) on the 23rd and 24th. The rainfall was heavy locally, 68mm. (2.67 in.) being recorded at Carnarvon on the 27th. On the 22nd a depression centred off the west of Ireland caused strong winds and gales in the western part of the English Channel. Gales were also experienced in the southern part of the country from the 26th to 28th.

The general character of the month is illustrated by the following remarks taken from observers' notes:—Huddersfield—A mild and dry month with mainly light winds. Southport—A very calm and humid south-easterly month with much mist and haze. Second week cold but several days in later part of month unseasonably warm. Copdock—An unpleasant month, wet, foggy and sunless. Berkhamsted—February was very wet, especially during the later part of month. An excessive and unusual number of fog-days. Halstead—The month was remarkable for an exceptional spell of foggy weather from the 11th to the 17th and for its high rainfall, most of which occurred during the last ten days. The total fall for the month has been exceeded on only three occasions in February during the last 34 years. Newport (Isle of Wight)—A dull, quiet and very foggy month. Teignmouth—Dry and cold to the 19th, then mild stormy and wet. Dublin (City)—A month of mean temperature, sharply divided into two periods of widely different types of weather. Quiet anti-cyclonic weather with little rain, low night screen temperatures often rising many degrees in the day-time and much fog prevailed until the 19th, after which rain fell daily. Cork—Cold and cloudy with light winds principally between south-east and west. Relatively dry to the 17th, but latter part of month wet.

Pressure and Winds.—The distribution of the mean pressure for the month, was largely influenced by the anticyclonic conditions which prevailed during the greater part of the first three weeks of the month. The mean sea level pressure at 7h. ranged from 1011 mb. on the western side of the British Isles to 1018 mb. in the south-east of England, and was above the normal in practically all districts. The prevailing winds were southerly and light to moderate. Gales occurred in Shetland on the 3rd and at exposed places in the south of England on the 22nd and from the 26th to the 28th. A gust of 74 mi./hr., the highest recorded at an anemograph station during the month, was recorded at Pendennis Castle (near Falmouth) in the early morning of the 27th.

Temperature.—The mean temperature for Districts 1–10 was 40.7°F. and was 0.9°F. above the normal. On the 8th a fall in temperature was associated with cold winds off the continent, and up to the 13th low temperatures prevailed widely; thereafter conditions were generally mild and for the month as a whole, the mean temperature was above the normal in all Districts. The largest excess 2.8°F. occurred in Scotland N. (mean temperature 40.7°F.) and the smallest excess 0.1°F. in the Midland Counties (mean temperature 38.9°F.). The warmest periods were the 3rd, round about the 16th, and from the 26th to the 28th. Ground frosts occurred frequently during the month.

The extreme temperatures for the month were:—(England and Wales) 61°F. at York and Wakefield on the 16th, 12°F. at Roden on the 11th; (Scotland) 61°F. at Arbroath on the 16th, 14°F. at Eskdalemuir on the 11th and at Braemar on the 12th; (Ireland) 62°F. at Dublin (Phoenix Park) and at Newcastle (Wicklow) on the 15th, 20°F. at Dublin (Phoenix Park) on the 13th.

Precipitation.—Except in the northern districts and in Cornwall precipitation was above the normal in England and Wales, the largest excesses occurring in central and south-eastern England. More than twice the normal precipitation was recorded in the London area and rather more than two and a half times the normal at Oxford and High Wycombe (Buckinghamshire). On the other hand, less than half the normal precipitation was recorded at Newcastle (Northumberland) and at Middlesbrough (Yorks).

In Scotland rainfall approached or slightly exceeded the normal in the Loch Fyne area, but in most districts monthly totals were decidedly deficient and in some areas they represented less than half the normal. Less than ten days with precipitation amounting to 1mm. or more occurred at several stations in eastern Scotland; at Braemar the number was five.

Except in some central and eastern districts, precipitation was below the normal generally in Ireland.

The general precipitation of the British Isles expressed as a percentage of the normal was 108: the values for the constituent countries were:—England and Wales 134, Scotland 67, Ireland 88.

There were occasional thunderstorms and hail. Snow fell in many parts of the south of England on the 2nd, and at one or two places on the 23rd and 24th. In Scotland no snow of any importance fell though there were trifling falls here and there early in the month.

Sunshine.—The mean daily duration of sunshine was above the normal in Scotland N. (notably in the Moray Firth area), Scotland E., England N.W., Ireland and the Channel Isles and below the normal in the remaining districts. The largest mean daily excess was 0.42 hr. in Scotland N. (mean daily duration 2.31 hrs.) and the largest deficit 0.81 hr. in England E. (mean daily duration 1.85 hr.). Most of the month's sunshine was recorded during the first 10 days or so; the second half of the month was generally dull, the 24th being the only outstanding sunny day when sunshine values between 8 hours and 9½ hours were recorded at several places in western and south-western districts.

Fog.—A notable feature of the weather of the month was the unusual prevalence of fog. The foggiest period extended from the 11th to the 17th, the area which was most affected being the east and south-east of England and the eastern English Channel. Except during brief periods on the 12th and 14th, fog was continuous at Southend from the 11th to the 15th inclusive. Amongst the stations which reported persistent fog throughout the day were Felixstowe on the 11th, 13th and 15th, Stroud Green on the 11th, 12th and 13th, Hampstead on the 11th and 12th and Totland Bay (Isle of Wight) on the 12th, 14th and 15th.

Miscellaneous Phenomena.—Halo phenomena were observed on various days at several places. Aurora was observed at Baltasound on the 2nd, 4th, 18th and 25th, at Gordon Castle on the 1st and 24th, at Armagh and Cogle Park on the 24th, at Fort Augustus on the 25th and at one or two places on the 8th. "Auroral glows" were noted at Lerwick on the 1st, 3rd, 4th, 25th, 26th and 27th.

DISTRICT VALUES AND WIND SUMMARY, FEBRUARY, 1927.
TABLE I.—DISTRICT VALUES—FEBRUARY, 1927. [1908.]

DISTRICTS.	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (1-10).				PRESSURE. MEAN SEA LEVEL.						
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days.	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h	13h	17h	18h	19h	Highest.	Date.	Lowest.	Date.	
			Daily Max.	Daily Min.	** Adjusted Daily Mean.	Deviation from Normal.																					
0. SCOTLAND, N. ...	55	21	45.5	35.8	40.7	+2.8	—	—	—	—	—	—	2.21	56	-60	17	2.31	+0.42	25	7.0	6.6	7.4	7.0	1035	9	980	23
Eastern.																											
1. SCOTLAND, E. ...	61	14	44.6	33.4	39.0	+1.6	—	—	—	1.34	34	-23	16	2.64	+0.14	28	6.3	6.6	6.5	6.9	1038	9	981	23			
2. ENGLAND, N.E. ...	61	17	45.2	34.3	39.7	+0.9	37.9	+0.5	40.8	+0.2	1.11	28	-11	13	2.05	-0.48	21	6.3	6.9	7.8	7.2	1037	8	984	28		
3. ENGLAND, E. ...	55	21	45.0	34.8	39.9	+1.1	39.3	-0.1	42.1	-0.1	2.53	64	+25	15	1.85	-0.81	19	6.7	7.9	7.0	7.6	1035	10,14,15	989	24		
4. MIDLAND COUNTIES ...	61	12	44.1	33.6	38.9	+0.1	38.1	-0.3	40.9	-0.4	2.43	62	+15	13	1.60	-0.74	16	—	7.6	7.4	6.8	1036	8,9,14	983	28		
5. ENGLAND, S.E. ...	56	18	45.4	35.2	40.3	+0.2	40.0	+0.4	42.7	0.0	3.90	99	+47	16	2.01	-0.63	20	6.8	8.1	8.1	7.9	1036	14	986	24		
Western.																											
6. SCOTLAND, W. (& I. of Man) ...	56	14	45.6	35.4	40.5	+1.2	—	—	41.5	+0.5	3.11	79	-21	18	1.87	-0.36	20	—	7.8	8.0	7.6	1037	9	982	28		
7. ENGLAND, N.W. (& N. Wales) ...	58	18	45.2	35.3	40.3	+0.5	38.2	-0.3	41.3	0.0	1.76	45	-19	15	2.49	+0.15	26	6.6	7.3	6.9	7.0	1036	6	977	28		
8. ENGLAND, S.W. (& S. Wales) ...	59	17	46.2	36.4	41.3	+0.2	41.2	-0.5	43.8	-0.4	3.56	90	+13	15	2.54	-0.09	26	6.9	7.6	7.5	7.2	1037	6,7	977	28		
9. IRELAND, N. ...	57	22	47.9	37.3	42.6	+1.8	40.8	+0.3	42.9	-0.3	2.35	60	-14	18	2.40	+0.17	25	5.0	6.7	7.1	6.7	1035	6	973	23		
10. IRELAND, S. ...	62	20	49.3	38.7	44.0	+1.7	41.3	+0.1	42.9	-0.4	2.82	72	-13	17	2.78	+0.25	28	—	7.5	6.9	7.0	1038	6,7	972	22, 26		
11. CHANNEL I. (& Scilly) ...	54	29	48.1	40.6	44.3	+0.2	42.3	-0.7	45.5	+0.1	1.83	47	-20	15	3.48	+0.31	35	5.8	6.6	6.5	6.2	1039	6	980	28		
Mean: DISTRICTS 1-10 ...	57	22	45.9	35.4	40.7	+0.9	39.6	0.0	42.1	-0.1	2.49	63	0	16	2.22	-0.24	23	6.4	7.4	7.3	7.2	1038	—	972	—		

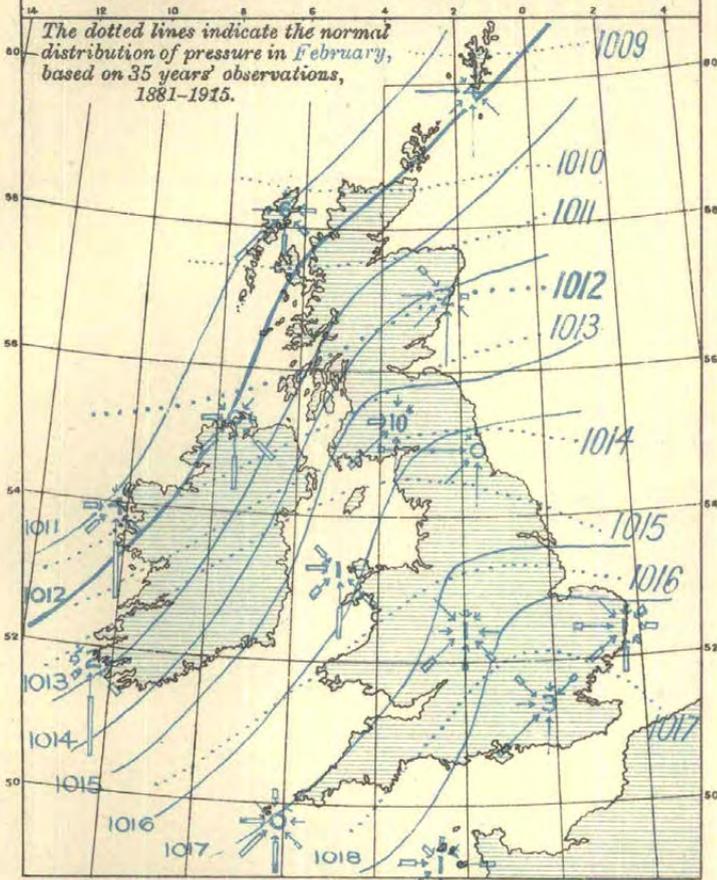
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—FEBRUARY, 1927. [1914.]

DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.														
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record.		Highest Hourly Wind.				Highest Gust.						
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	From N.	Speed.	Mid Time.	Speed.	Time.								
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	33†	3	7	10	57	355	215	38	0	230	44	19	3	15	64	29	3	12	35					
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	7	32	289	283	43	25	170	29	13	24	11	—	—	—	—	—	—	—	—		
1. SCOTLAND, E.																										
Aberdeen Aberdeen ...	70	42	33†	—	0	2	3	89	439	141	0	220	25	11	3	15	45	20	3	15	5					
Kincardine Balmakewan ...	140	25	18	—	0	—	0	11	(260)	(401)	0	230	18	8	3	7	38	17	3	7	0					
Edinburgh Edinburgh ...	485	39	31†	—	0	4	18	117	352	185	0	240	32	14	3	7	51	23	3	5	55					
6a. SCOTLAND, W.																										
Argyll Tisee ...	80	55	48†	3	1	9	95	309	232	35	0	210	39	17	3	8	56	25	3	8	0					
Renfrew Paisley ...	188	81	15	—	0	—	0	46	419	207	0	190	24	11	3	21	49	22	4	10	25					
Dumfries Eskdalemuir ...	825	50	22	—	0	3	22	97	348	205	0	210	36	16	3	22	51	23	3	22	15					
2. ENGLAND, N.E.																										
Durham South Shields ...	72	61	12	—	0	2	12	216	359	85	0	260	29	13	4	4	48	21	3	3	35					
York, E.R. Spurn Head ...	67	42	35†	—	0	6	21	264	311	76	0	160	30	13	28	21	39	17	28	20	35					
Lincoln Cranwell ...	284	44	26†	—	0	2	10	181	(374)	(100)	7	190	26	12	28	20	44	20	23	11	20					
3. ENGLAND, E.																										
Norfolk Gorleston ...	52	42	33†	—	0	5	24	221	290	137	0	180	31	14	28	21	47	21	28	21	35					
Suffolk Felixstowe Aero. ...	55	40	25	—	0	4	21	235	(186)	(230)	0	150	30	13	24	7	42	19	27	14	10					
Essex Shoeburyness ...	115	104	14†	28	4	5	27	236	317	88	0	190	43	19	28	19	58	26	28	18	10					
4. MIDLAND COUNTIES.																										
Warwick Birmingham ...	643	118	18	—	0	1	1	135	449	87	0	200	25	11	28	22	47	21	28	23	0					
5. ENGLAND, S.E.																										
Surrey Richmond (KewObs) ...	82	65	22	—	0	1	3	126	313	230	0	205	26	12	28	18	44	20	28	18	25					
Surrey Croydon ...	284	40	24	—	0	—	0	110	397	165	0	210	24	11	28	15	47	21	28	15	10					
Kent Dover ...	61	32	22	—	0	9	45	251	321	53	2	—	30	13	27	9	47	21	27	8	50					
Kent Lympne ...	409	70	55†	27	5	8	49	269	301	48	0	230	41	18	27	12	60	27	27	12	30					
Hampshire Petersfield ...	811	42	34†	—	0	1	4	184	378	97	9	250	27	12	27	11	45	20	26	16	50					
Hampshire S. Farnboro' Tower	444	160	14	—	0	3	19	147	(357)	(149)	0	200	33	15	28	20	56	25	28	20	5					
Hampshire Calshot ...	55	45	31†	—	0	4	35	289	(272)	(76)	0	190	37	17	28	17	51	23	26	17	5					
Hampshire Worthy Down ...	314	43	27†	—	0	2	13	121	331	207	0	180	33	15	28	19	57	25	28	19	0					
Wiltshire Larkhill ...	526	51	34†	28	1	6	48	251	(319)	(53)	0	180	39	17	28	18	52	23	28	15	35					
7a. ENGLAND, N.W.																										
Lancashire Fleetwood ...	112	50	12	—	0	2	7	185	350	130	0	290	31	14	5	22	48	21	3	20	35					
Lancashire Southport ...	77	59	45†	—	0	3	12	246	381	33	0	250	32	14	4	3	43	19	4	2	35					
7b. NORTH WALES.																										
Anglesey Holyhead ...	64	45	29†	—	0	7	28	301	293	50	0	200	29	13	3	7	46	21	3	21	10					
Flint Sealand ...	77	61	49†	—	—	—	—	Instrument	dismounted.																	
8b. ENGLAND, S.W.																										
Devon Plymouth ...	185	88	2	22,26,28	10	7	77	249	236	100	0	—	47	21	28	11	64	29	28	10	30					
Cornwall Pendennis Castle	256	65	24	22,26-28	48	13	92	282	165	85	0	—	53	24	28	11	74	33	27	2	0					
Dorset Lyme Regis ...	554	59	56†	—	0	6	26	97	(186)	(345)	18	—	34	15	28	12	52	23	28	12	35					
9. IRELAND, N.																										
Donegal Dunfanaghy ...	180	47	39	3	2	4	21	197	373	79	0	—	43	19	3	4	59	26	3	4	15					
10. IRELAND, S.																										
Dublin Kingstown (Cup Anr.)	49	27	16	26	1	8	28	257	283	103	0	120	40	18	26	17	—	—	—	—	—					
Clare Quilty ...	100	40	32†	—	0	8	33	401	209	29	0	—	29	13	10	13	45	20	10	13	20					
Kerry Cahirciveen (Val.O.)	98	41	34†	—	0	5	17	405	193	57	0	190	29	13	3	16	51	23	3	14	35					
Cork Weaver Pt. ...	160	30	21†	26	2	7	26	305	255	84	0	—	40	18	26	18	65	29	26	18	5					
11. SCILLY ISLES.																										
St. Mary's ...	160	42	35†	23,26-28	13	9	64	326	222	47	0	260	46	21	27	2	69	31	27	2	5					

†† Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
† Standard mounting. ** District values of mean temperature in the Monthly Weather Reports from 1917 to 1922 are not comparable with

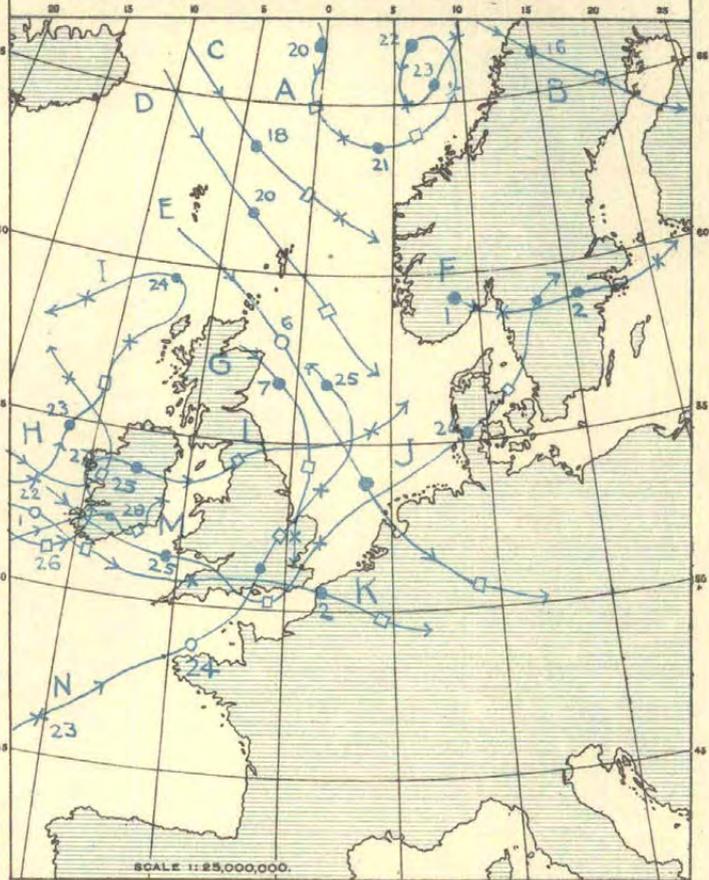
1. WIND AND MEAN PRESSURE. 7 A.M.

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



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

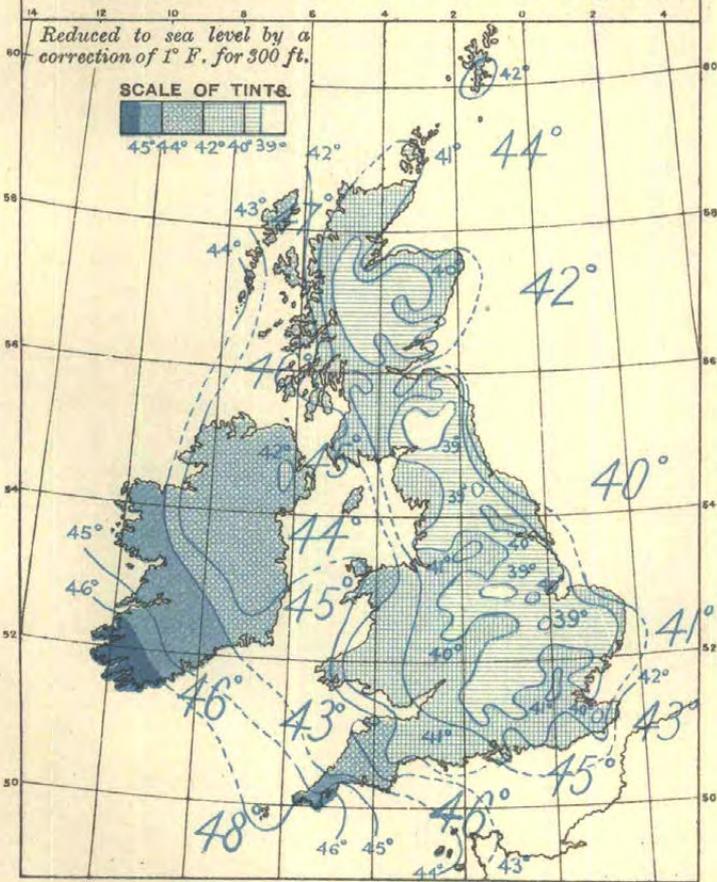
2. MOVEMENTS OF DEPRESSIONS.



Positions of centres are shown thus: ○ at 1h, ◻ at 7h, ◻ at 13h, X at 18h.

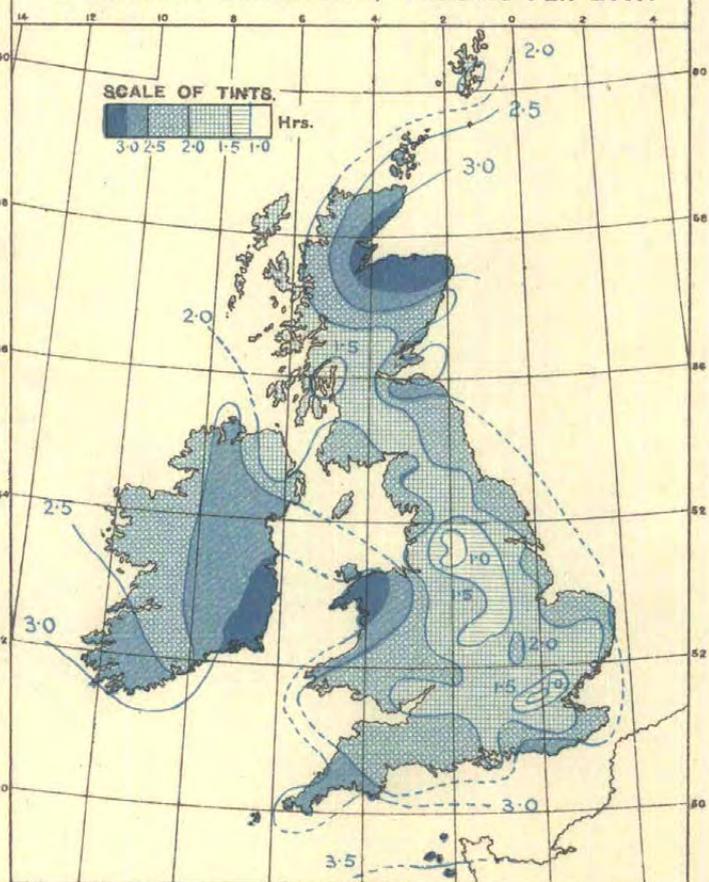
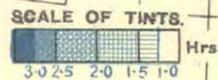
3. DISTRIBUTION OF MEAN TEMPERATURE.

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

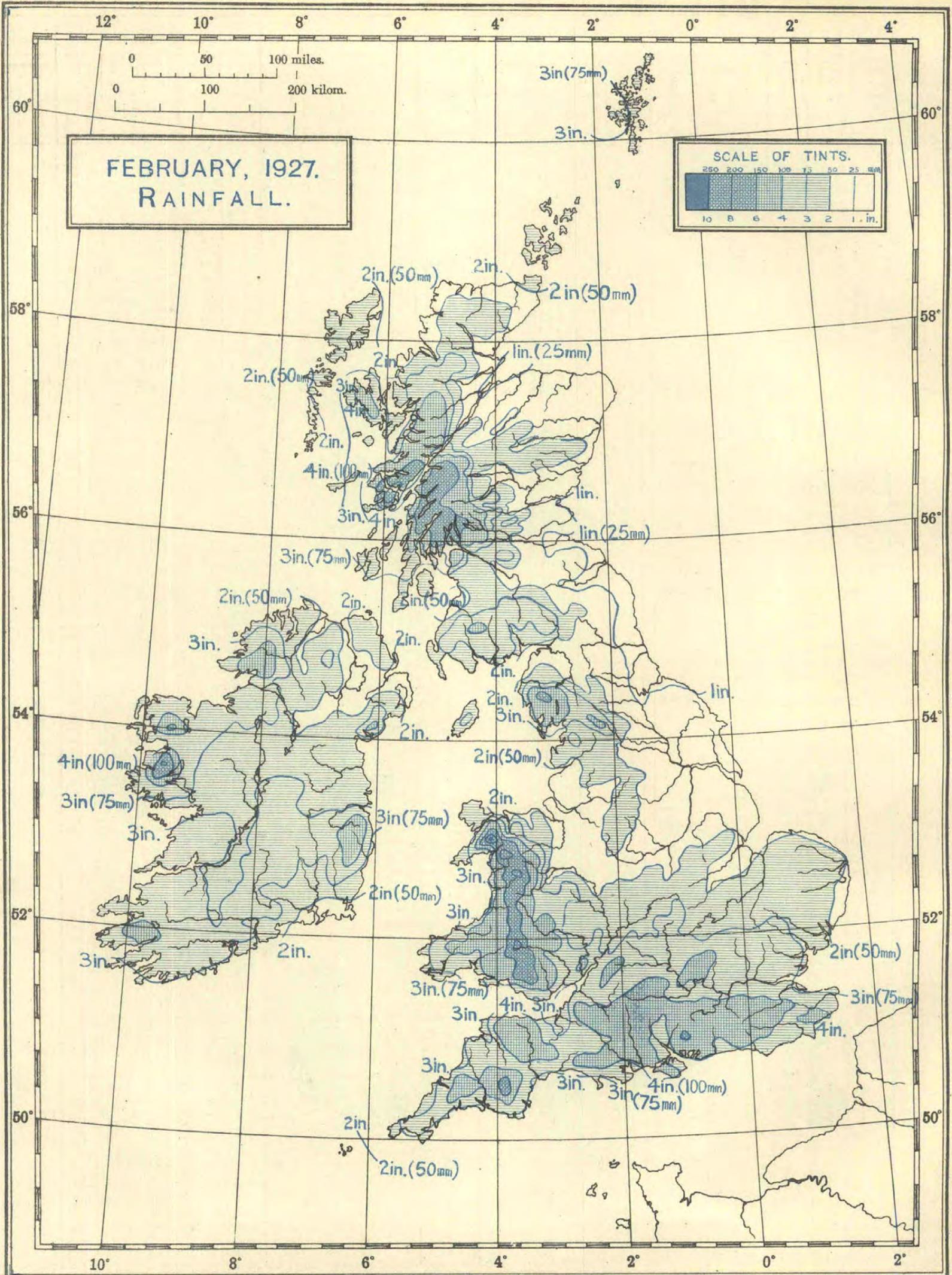


Sea temperatures are shown in large figures, thus: 45°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 1975/1479. Wt. 70A. D. 22. 1125. 3/27.

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

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, FEBRUARY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.							
			Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.										
			A	B		Max.	Min.	Max.					Date.	Min.	Date.	Amount.						Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Hail.	Daily Mean.	Deviation from Normal.				
			Max.	Min.	Mean of A and B.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	Per Cent.							
4. MID. COUNTIES—cont.																																
Warwick.	Birmingham	18-7 7	535	43.7	35.0	39.3	+0.4	54	16th	25	11, 13	39.4	43.4	2.89	73	+30	16	20th	13	13	1	0	0	0	8	14	0	1.31	-0.46	13		
	B'ham, Sparkhill	7 13 7	424	44.7	34.3	39.5	—	54	21st	21	11th	—	—	3.07	78	—	15	20th	14	12	2	0	0	0	9	15	0	—	—	—		
	Coventry	9 9 9	270	44.3	33.9	39.1	-0.2	53	16th	25	11, 12	38.3	42.4	2.57	65	+20	17	20th	15	13	0	0	0	0	7	19	0	1.29	-0.87	13.8		
	Leamington Spa	9 9 9	165	45.2	33.3	39.3	—	54	16, 21	23	11th	38.5	44.8	2.69	68	—	13	20th	14	11	0	0	0	0	5	16	0	1.61	—	16		
	Rugby	21 21 9	390	44.4	32.1	38.3	—	53	16th	21	11th	—	—	2.31	59	—	10	23rd	15	13	—	—	—	—	—	—	—	—	—	—		
Oxford.	Leafield	18-7 7	612	41.9	33.6	37.7	—	54	16th	23	11th	—	—	3.50	89	—	17	1st	14	13	2	1	0	0	10	14	0	1.76	—	18		
	Oxford	9 9 9	208	44.5	34.4	39.5	-0.2	53	21st	25	11th	39.0	42.1	3.87	98	+56	24	1st	16	13	2	2	1	0	8	16	0	1.79	-0.66	18		
	Oxford (Sandford)	9 9 9	210	44.5	33.1	38.8	—	53	21st	22	11th	—	—	3.65	93	—	26	1st	14	13	1	2	0	0	10	18	0	1.72	—	17		
Bucks.	Mursley	9 9 9	490	43.3	32.4	37.9	—	51	21, 22, 26,	24	10th	38.7	40.2	3.54	90	—	14	1st	17	14	1	2	1	0	—	15	0	1.81	—	18		
Stafford.	Chaele	9 9 9	646	41.7	32.5	37.1	-0.7	52	16th	24	11, 12, 13	—	—	1.98	50	-1	9	27th	14	10	—	—	—	—	—	—	—	—	—	—		
	Mayfield	9 9 9	374	44.3	30.8	37.5	—	57	16th	21	11th	—	—	1.92	49	—	14	27th	13	11	1	0	0	0	—	17	0	1.62	—	17.8		
Shropshire.	Roden, Well'n	9 9 9	207	45.3	31.4	38.3	—	54	15th	21	11th	—	—	1.51	38	—	13	20th	13	9	0	0	0	0	—	—	—	—	—	—		
	Wellington	9 9 9	257	45.3	33.4	39.3	—	54	15th	17	11th	—	—	1.84	47	—	13	20th	11	10	0	0	0	0	—	14	0	1.81	—	18		
	Wistanstow	21 21 9	481	45.0	32.9	38.9	-0.3	58	16th	18	11th	—	—	2.71	69	+14	14	26th	11	11	0	0	0	0	5	15	0	—	—	—		
Worcester.	Malvern	9 9 9	377	44.9	34.9	39.9	—	56	16th	25	11th	38.2	40.7	3.09	78	+32	12	26th	16	12	1	0	0	0	7	13	1	2.01	—	20		
	Tenbury	9 9 9	313	44.5	32.7	38.6	-0.8	56	16th	17	11th	38.4	—	2.20	56	+21	11	20th	13	11	1	0	0	0	—	18	—	—	—	—		
	Worcester (Perdiswell)	9 9 9	95	44.6	33.5	39.1	—	56	16th	20	11th	—	—	2.39	61	—	9	19th	15	14	0	0	0	0	—	16	0	1.85	—	19		
Hereford.	Bromyard	9 9 9	392	45.0	32.5	38.7	—	58	16th	17	11th	37.8	40.7	2.53	64	—	11	20th	15	12	0	0	0	0	10	17	0	—	—	—		
	Hereford	9 9 9	291	44.9	33.1	39.0	-0.4	59	16th	19	11th	—	—	2.69	68	+16	13	26th	14	10	1	0	0	0	4	23	0	—	—	—		
	Ross-on-Wye	18-7 7	223	44.9	35.4	40.1	+0.2	56	16th	19	11th	38.9	41.8	3.17	80	+29	15	28th	17	13	2	1	0	0	8	15	0	1.87	—	19		
Gloucester.	Cheltenham	21 21 9	214	45.1	35.3	40.2	+0.7	53	22nd	23	11th	39.0	41.5	2.76	70	+21	10	1, 19	16	14	1	0	0	0	0	15	0	2.02	—	20		
	Clifton	9 9 9	225	44.5	34.8	39.7	-0.9	52	21st	23	12th	—	—	3.44	87	+27	24	1st	14	14	0	0	0	0	7	15	0	1.87	-0.67	19		
	Over Court	9 9 9	147	45.7	34.0	39.9	—	53	21st	22	11, 12	—	—	3.48	88	—	22	1st	16	15	1	2	0	0	9	—	—	—	—	—		
5. ENGLAND, S.E.																																
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.95	-0.81	10	
	Camden Square	9 9 9	110	44.7	36.0	40.3	+0.3	54	21st	27	11th	39.3	42.6	3.34	85	+43	20	1st	14	13	1	1	0	0	—	12	—	—	—	—	—	
	East Ham	9 9 9	15	45.0	35.1	40.3	—	55	28th	27	10, 11, 12	—	—	3.12	79	—	18	1st	13	12	—	—	—	—	—	—	—	—	—	—	—	—
	Enfield	9 9 9	148	45.1	34.5	39.8	—	55	21st	25	10th	—	—	4.18	90	+48	14	1st	15	14	1	2	0	0	8	15	0	1.50	—	15		
	Greenwich	24 24 9	149	46.1	34.7	40.4	+0.6	56	21, 22	25	11th	40.6	42.6	3.37	86	+46	21	1st	13	12	3	1	0	0	12	13	0	1.26	-0.78	13		
	Hampst'd Res.	21 21 9	450	43.1	33.6	38.3	—	52	22, 28	24	13th	—	—	3.91	99	—	24	1st	14	13	2	2	0	0	—	19	—	1.69	—	27		
	Kensington	18-9 9	80	44.9	36.5	40.7	—	55	28th	28	10, 11, 12	39.4	42.7	3.63	92	—	21	1st	15	13	1	—	—	—	12	13	0	—	—	—	—	
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Richmond (Kew Obs.)	24 24 24	18	45.0	35.1	40.1	0.0	54	28th	25	11th	38.8	42.6	3.40	86	+47	14	1st	14	13	2	1	1	0	7	14	0	1.23	-0.90	12		
	Stroud Green	18-7 7	212	45.1	35.9	40.5	+0.5	54	21, 28	26	10th	—	—	3.13	79	—	17	1st	13	13	1	1	0	0	10	10	0	—	—	—	—	—
	Tottenham	21 21 9	51	45.9	36.6	41.3	—	54	22, 28	27	11th	—	—	4.35	79	—	16	1st	13	12	0	0	0	0	—	16	0	0.89	-1.01	9		
Westminster	9 9 9	27	45.7	36.3	41.0	+0.3	55	28th	28	5, 11, 12	—	—	3.22	82	+45	21	1st	13	13	—	—	—	—	—	9	—	0.95	-0.40	10			
Surrey	Addington	9 9 9	472	43.1	33.9	38.5	—	51	22nd	25	13, 14	—	—	4.76	121	—	30	1st	14	14	—	—	—	—	—	—	—	—	—	—	—	
	Croydon Aero.	18-7 7	244	44.8	35.3	40.1	—	54	21, 28	21	10th	—	—	4.37	111	—	29	1st	14	13	3	2	1	0	5	12	0	1.66	—	17		
	Wisley	9 9 9	150	44.6	34.3	39.5	+0.1	55	21st	24	11th	39.2	41.6	4.30	109	+65	30	1st	15	13	1	2	0	0	8	12	0	1.28	-0.99	13		
Kent.	Biggin Hill	18-7 7	597	43.7	34.5	39.1	—	53	21st	19	13th	—	—	4.67	119	—	25	1st	14	13	1	4	0	0	6	10	0	1.81	—	18		
	Bromley	9 9 9	213	45.2	34.5	39.9	—	54	21, 28	24	10th	—	—	4.01	102	—	29	1st	14	13	—	—	—	—	10	12	—	—	—	—	—	
	Canterbury	9 9 9	124	46.3	35.0	40.7	—	55	21, 28	22	10th	41.0	43.1	3.85	98	—	33	1st	14	13	—	—	—	—	—	—	—	—	—	—	—	
	Deal	9 9 9	25	45.8	36.2	41.0	—	55	28th	26	10th	39.9	42.6	4.23	107	—	39	1st	16	13	0	0	1	0	5	9	4	2.29	—	23		
	Dover	9 9 9	22	45.7	36.8	41.3	—	54	17th	26	11, 13	40.4	42.7	3.87	98	—	37	1st	16	13	0	0	0	0	9	7	0	2.28	—	23		
	Dungeness	18-7 7	20	44.5	36.6	40.5	+0.6	51	26, 28	23	11th	—	—	2.95	75	+34	13	1st	16	12	0	0	0	0	7	—	—	—	—	—	—	
	East Malling</																															

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of FEBRUARY, 1927.

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Kent (Biggin Hill, Dungeness, Lympne), Sussex (Brighton, St. Leonards), I. of Wight (Ventnor), Hampshire (Calshot, Southampton, S. Farnborough, Winchester), Wiltshire (Larkhill), Lancashire (Hutton, Southport, Stonyhurst, Manchester), Cheshire (Liverpool), Flint (Sealand), Anglesey (Holyhead), and Carmarvon (Llandudno).

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns. The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol § is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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tion, 10s. post free.*

MARCH, 1927: MILD AND UNSETTLED: WET IN ENGLAND AND WALES AND IN IRELAND.

General.—March on the whole was mild with a brief warm spell about the 19th; during the first week and the last ten days very unsettled weather with frequent rain prevailed generally.

The mild unsettled weather which characterised the latter half of February, 1927, continued during the first week of March. On the 2nd and 3rd gales were experienced on several parts of the coasts, notably along the English Channel and Irish Sea, and there was heavy rain at times, e.g., 39mm. (1.52 in.) fell at Delamere, Cheshire, on the 1st, and 22mm. (0.87 in.) at Lympne on the 10th. Hail occurred frequently, while snow was reported from a few northern stations. Thunderstorms occurred in many parts of southern England on the 10th. Subsequently an anti-cyclone passed across Ireland and Scotland to Scandinavia giving north-easterly to easterly winds over England and Ireland, and colder weather generally. Slight snow fell at Harrogate. The lowest minimum temperatures of the month were experienced at this period, 18°F. in the screen at Balmoral on the 13th, and 14°F. on the ground at Birr Castle on the 13th, and at Rhayader on the 15th.

Meanwhile, further depressions approaching from the Atlantic caused a renewal of rough rainy weather in the extreme west, while the withdrawal of the anticyclone southwards across Germany was associated with more southerly winds over Great Britain and higher temperatures. Maximum readings rose above 50°F. again on the 16th and reached or exceeded 60°F. in most parts on the 19th to 21st.

On the 22nd, cyclonic conditions spread from the west to the eastern counties and an unsettled type of weather prevailed until the end of the month with further high winds and gales at times, frequent rain, local thunderstorms and hail, but some good sunshine records, e.g., 11.7 hours at Tieve on the 28th and 11.0 hours at Falmouth on the 30th. Strong gales were experienced in southwest England and Ireland on the 30th and 31st.

The following remarks taken from observers' notes illustrate the character of the month:—Southport—No certainly warmer March in the 55 previous years' local record. Winds from N.W. to E. unusually infrequent, the aggregate hours of duration of these winds being much less than half the normal. Huddersfield (Oakes)—A mild but wet month; very good weather from the 14th to the 22nd. Copdock—Except for the brief spell from the 16th to the 21st inclusive during which there were four sunny days, on three of which the temperatures rose to 60°F. or above, March, 1927, was mild and wet and on the whole a singularly unpleasant month. The outstanding feature of the month was the thunderstorms which occurred on the 26th, 27th and 28th. Redruth—Warmest March since observations began in 1901. Dublin—A mild month of generally unsettled weather, frequent rainfall and a prevalence of winds from westerly points. An exceptionally warm spell for the time of year lasted from the forenoon of the 18th to the night of the 22nd.

Pressure and Winds.—The mean pressure for the month was below the normal at all stations; the highest recorded pressure at a fixed hour was 1032 mb. at Guernsey on the 19th and at Dungeness on the 20th, and the lowest, 966 mb. at Blacksod Point, Malin Head, Aldergrove and Birr Castle on the 25th. The prevailing winds were southwesterly. High winds reaching gale force locally occurred widely during the period 2nd to the 5th and around about the 25th and in the southern districts of England and Ireland on the 30th and 31st. During the gale on the 31st the wind at St. Mary's (Scilly) in the late evening attained a mean hourly velocity of 68 mi/hr. and a velocity of 85 mi/hr. in a gust. Other notable wind velocities attained in gusts were 77 mi/hr. at St. Mary's (Scilly) and 73 mi/hr. at Pendennis Castle (near Falmouth) on the 25th and 72 mi/hr. at Southport on the 2nd.

Temperature.—A notable feature of the month was its mildness. For the third consecutive month, the mean temperature for the month was above the normal in all Districts, the greatest excess, 4.5°F. occurring in England E. (mean temperature 45.6°F.) and the smallest excess, 2.4°F., in the Channel Isles (mean temperature 47.7°F.). In Scotland the month on the whole was the mildest March since 1893.

During a short period of anticyclonic weather and north-easterly to easterly winds from the 12th to the 15th, colder weather prevailed; at most places the day maximum temperature on the 14th failed to reach 45°F., and at Leafeld did not rise above 38°F. By the 18th, temperature had recovered, and during the next few days, which were the warmest days of the month, day temperatures were well above the normal for the time of year. The observer at Hampstead reports that at that station the 21st, on which the temperature reached 67°F., was the warmest March day since 1923.

There were frequent occurrences of ground frost in all Districts, particularly from about the 7th to the 17th and round about the 27th.

The extreme temperatures for the month were:—(England and Wales) 68°F. at Cambridge, Raunds, London (Greenwich and Camden Square) and Aber (Bangor) on the 21st; 24°F. at Garforth on the 17th and at Porton on the 11th; (Scotland) 65°F. at Smeaton on the 21st, 18°F. at Balmoral on the 13th; (Ireland) 62°F. at Dublin (Glasnevin) on the 19th, 25°F. at Birr Castle on the 13th.

Precipitation.—March 1927, was wet in England and Wales and in Ireland. The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 125; the values for the several countries were:—England and Wales 135, Scotland 93, Ireland 138.

In some districts in the north-east of England monthly totals were below the normal, but elsewhere they were well above the normal, the excess being most marked in the western and southern districts.

In Scotland monthly totals were decidedly below the normal in most northern districts but in parts of the western districts and Perthshire they exceeded the normal; in south Ayrshire the excess was considerable. In the eastern districts little rain fell during the period 10th to the 22nd, but in the western districts rain was general on the 15th, heavy from the 18th to the 20th and frequent until the 30th. In nearly all districts the period 22nd to 27th was wet, with some fairly heavy falls on the 22nd, 25th and 27th.

Except in some northern districts monthly totals were well above the normal in Ireland amounting to more than twice the normal in parts of Wicklow and Wexford.

Thunderstorms accompanied in many instances by hail occurred in the south-eastern parts of England on the 10th and in various parts of the British Isles during the last week of the month. The observer at Copdock reported that the lightning associated with a thunderstorm on the 28th was exceptionally vivid and frequent between 6.30 p.m. and 8 p.m.

Snow and "snow-lying" were reported on a few days at some stations.

Sunshine.—The mean daily duration of sunshine differed only slightly from the normal in most Districts. The largest excess, 0.36 hrs. occurred in Scotland N. (mean daily duration 3.41 hrs.) and the largest deficiency, 0.33 hrs. in England N.E. (mean daily duration 3.54 hrs.). The sunniest week in general was the week ending March 12th, between 9 hrs. and 11 hrs. sunshine being recorded at several stations between the 10th and 12th. Good records were also obtained on the 17th notably in the eastern counties of England, in several districts on the 27th, 28th, 30th and in the east of Scotland on the 31st.

Fog.—In contrast to February 1927, little fog was reported during the month. Fog occurred in the northern districts of England on the 7th, in south-eastern England on the 10th, 11th and 20th and widely on the 18th.

Miscellaneous Phenomena.—Halos of 22° were observed on several occasions during the month. Aurora was observed at Aberdeen and Cocker Park on the 6th, at Baltasound on the 6th, 7th, 9th, 11th, 27th, 28th, 30th and 31st, at Deerness on the 22nd, at Gordon Castle on the 17th and 26th, at Lerwick Observatory on the 11th, at Stornoway on the 12th and at Wick on the 4th, 9th, 27th and 31st. "Auroral glows" were observed at Lerwick Observatory on the 3rd, 6th, 8th, 9th, 22nd, 27th and 28th. The Zodiacal Light was seen at Oxford on the 2nd, 4th, 23rd and 26th, and at Ross-on-Wye on the 27th.

TABLE I.—DISTRICT VALUES—MARCH, 1927.

[1908.]

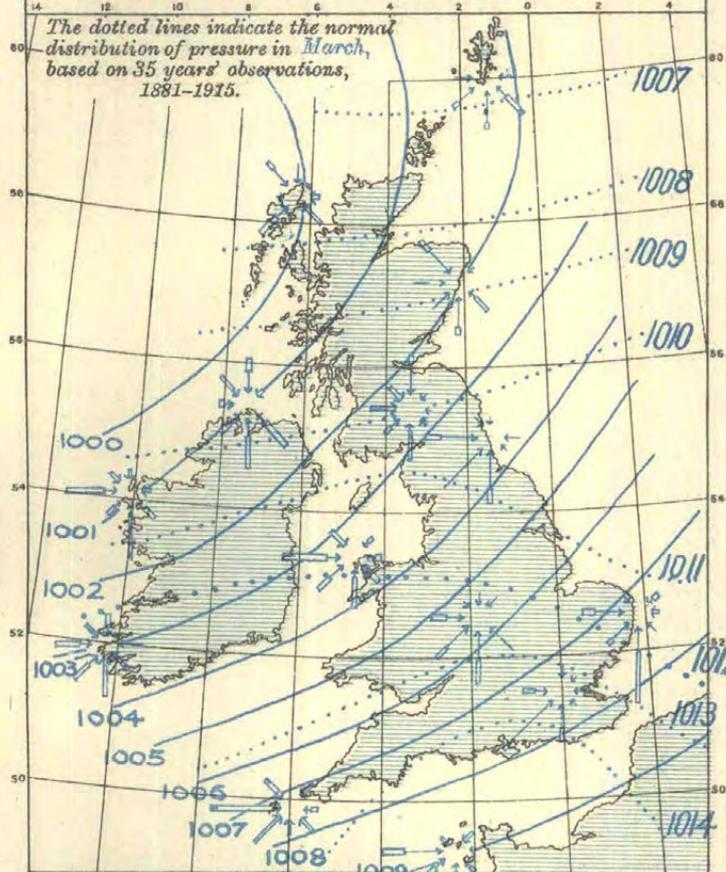
DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (11-10).				PRESSURE. MEAN SEA LEVEL.				
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	lb	7h 9h	13h 15h	17h 18h 21h	Highest.	Date.	Lowest.	Date.	
			Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal.																			in.
0. SCOTLAND, N. ...	61	23	48.5	37.5	42.8	+3.6	—	—	—	3.25	83	-29	19	3.41	+0.36	29	6.6	6.5	7.4	6.5	1029	13	972	25	
Eastern.																									
1. SCOTLAND, E. ...	65	18	48.5	36.5	42.3	+3.1	—	—	—	2.45	62	-1	19	3.54	+0.03	30	6.9	7.1	7.1	6.3	1029	12	971	25	
2. ENGLAND, N.E. ...	67	27	50.5	38.2	44.2	+3.5	42.0	+2.4	42.4	+1.4	1.58	40	-7	18	3.54	-0.33	30	6.0	6.5	7.5	6.7	1030	16	971	25
3. ENGLAND, E. ...	68	28	51.8	39.7	45.6	+4.5	44.4	+2.4	44.5	+1.2	1.96	50	+7	17	4.01	+0.14	34	5.6	6.5	7.0	6.5	1031	15, 16	977	25
4. MIDLAND COUNTIES ...	68	24	51.2	38.8	44.8	+3.8	42.4	+2.0	42.5	+0.8	2.42	61	+13	19	3.31	-0.16	28	—	6.9	7.4	6.8	1029	19	972	25
5. ENGLAND, S.E. ...	68	24	51.3	40.5	45.7	+3.6	44.9	+2.7	45.3	+1.4	3.11	79	+27	20	4.28	+0.34	36	5.7	6.9	7.9	7.2	1032	20	976	25
Western.																									
6. SCOTLAND, W. (& I. of Man) ...	64	21	49.4	37.7	43.4	+2.7	—	—	43.2	+1.3	4.23	107	+16	21	3.42	-0.19	29	—	7.1	7.6	7.5	1029	12	970	25
7. ENGLAND, N.W. (& N. Wales) ...	68	26	49.8	39.6	44.6	+3.3	42.5	+1.7	42.9	+0.7	3.27	83	+18	20	3.26	-0.30	28	6.2	7.7	7.4	6.9	1026	19, 20	969	25
8. ENGLAND, S.W. (& S. Wales) ...	66	28	50.5	40.9	45.6	+3.0	45.9	+1.9	45.8	+1.1	3.91	99	+23	21	3.85	-0.11	33	6.2	7.1	7.5	6.7	1031	19, 20	970	25
9. IRELAND, N. ...	60	27	49.7	39.9	44.7	+2.7	44.0	+2.1	44.1	+0.8	3.18	71	+6	21	3.19	-0.16	27	5.5	6.9	7.1	6.8	1027	12, 13	966	25
10. IRELAND, S. ...	62	25	51.4	40.9	46.0	+2.6	44.7	+1.7	44.9	+0.7	4.57	116	+36	24	3.78	-0.06	32	—	6.9	7.2	7.5	1026	12, 19	966	25
11. CHANNEL I. (& Scilly) ...	63	36	51.4	44.2	47.7	+2.4	47.3	+2.0	47.2	+1.2	3.40	86	+22	23	4.49	-0.21	38	5.2	6.6	5.6	5.9	1032	19	979	25
Mean: DISTRICTS 1—10 ...	68	18	50.4	39.3	44.7	+3.3	43.9	+2.1	44.0	+1.0	3.07	78	+14	20	3.62	-0.08	31	6.0	7.0	7.4	6.9	1032	—	966	25

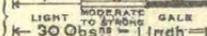
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—MARCH, 1927.

[1914.]

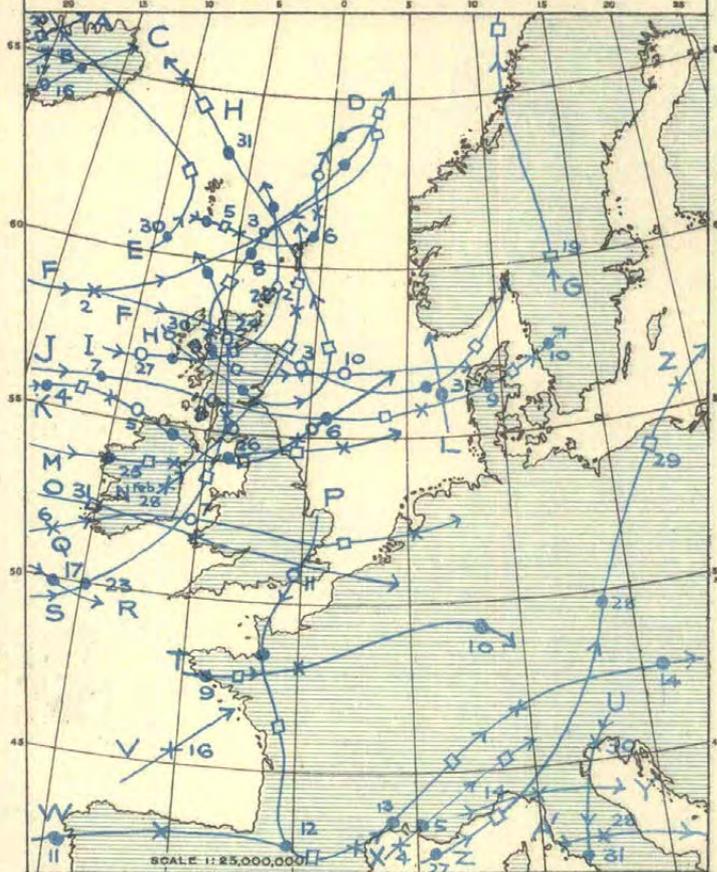
DISTRICT AND STATION.	Height.			Distribution of Wind.††										Extreme Velocities.										
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record.		Highest Hourly Wind.			Highest Gust.					
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	—	4	14	149	277	232	82	0	120	44	19	24	5	65	29	24	4	5	—	—	
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	7	55	286	352	38	13	110	37	16	23	23	—	—	—	—	—	—	—	
1. SCOTLAND, E.																								
Aberdeen Aberdeen	70	42	33†	—	0	2	20	164	480	80	0	90	33	15	25	20	47	21	25	20	40	—	—	
Kincardine Balmakewan	140	25	18	—	0	—	0	40	(395)	(309)	0	80	21	9	25	22	38	17	25	21	10	—	—	
Edinburgh Edinburgh	485	39	31†	—	0	6	17	269	340	118	0	200	32	14	16	3	48	21	16	2	50	—	—	
6a. SCOTLAND, W.																								
Argyll Tiree ...	80	55	48†	—	0	16	106	374	198	66	0	140	37	17	15	9	56	25	2	21	10	—	—	
Renfrew Paisley ...	188	81	15	—	0	1	1	81	455	207	0	300	26	11	3	2	47	21	3	0	50	—	—	
Dumfries Eskdalemuir	825	50	22	—	3	8	47	259	286	149	0	300	45	20	3	3	66	29	3	3	40	—	—	
2. ENGLAND, N.E.																								
Durham South Shields	72	61	12	—	0	6	34	318	332	60	0	270	35	16	3	4	56	25	3	4	15	—	—	
York, E.R. Spurn Head	67	42	35†	3	9	13	81	347	277	26	4	260	41	18	3	5	59	26	3	4	55	—	—	
Lincoln Cranwell	284	44	26†	—	0	8	51	350	307	36	0	150	34	15	25	11	55	25	25	11	5	—	—	
3. ENGLAND, E.																								
Norfolk Gorleston	52	42	33†	—	0	11	65	286	340	53	0	180	38	17	5	16	50	22	5	15	35	—	—	
Suffolk Felixstowe Aero.	55	40	25	—	0	10	54	332	(240)	(118)	0	150	31	14	25	11	44	20	25	12	0	—	—	
Essex Shoeburyness	115	104	14†	—	0	11	77	339	298	30	0	150	34	15	25	10	55	25	26	15	35	—	—	
4. MIDLAND COUNTIES.																								
Warwick Birmingham	643	118	18	—	0	2	3	263	436	42	0	260	26	12	26	13	52	23	25	15	20	—	—	
5. ENGLAND, S.E.																								
Surrey Richmond (Kew Obs)	82	65	22	—	0	—	0	240	419	85	0	220	21	10	2	18	42	19	25	9	55	—	—	
Surrey Croydon ...	284	40	24	—	0	—	0	243	446	55	0	60	22	10	13	16	48	21	26	14	55	—	—	
Kent Dover ...	61	32	22	—	0	8	67	282	347	48	0	—	32	14	25	22	55	25	25	22	30	—	—	
Kent Lympne ...	409	70	55†	—	0	13	98	338	297	11	0	210	36	16	26	13	58	26	25	10	55	—	—	
Hampshire Petersfield	811	42	34†	—	0	1	5	283	401	20	35	270	28	13	30	12	46	21	30	10	30	—	—	
Hampshire S. Farnboro' Tower	444	160	14	—	0	2	3	271	428	42	0	270	25	11	2	21	50	22	26	11	30	—	—	
Hampshire Calshot ...	55	45	31†	—	0	12	87	372	(275)	(10)	0	160	33	15	25	8	54	24	25	19	45	—	—	
Hampshire Worthy Down ...	314	43	27†	—	0	7	15	232	386	111	0	260	28	13	30	13	50	22	25	8	50	—	—	
Wiltshire Larkhill ...	526	51	34†	—	0	13	88	416	(235)	(5)	0	290	36	16	30	13	49	22	25	8	35	—	—	
7a. ENGLAND, N.W.																								
Lancashire Fleetwood	112	50	12	2,3	8	9	47	319	336	34	0	270	45	20	2	23	58	26	2	22	15	—	—	
Lancashire Southport	77	59	45†	2,3	11	12	84	436	213	0	0	280	48	21	2	23	72	32	2	22	30	—	—	
7b. NORTH WALES.																								
Anglesey Holyhead	64	45	29†	2,3	7	14	90	411	212	24	0	260	43	19	2	24	62	28	2	21	35	—	—	
Flint Sealand ...	77	61	49†	—	—	—	—	Instrument	dismounted	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8b. ENGLAND, S.W.																								
Devon Plymouth	185	88	2	—	0	13	92	398	215	39	0	—	38	17	31	18	60	27	25	18	10	—	—	
Cornwall Pendennis Castle	256	65	24	4, 23, 25, 31	27	20	215	346	138	14	4	—	54	24	31	17	73	33	25	17	30	—	—	
Dorset Lyme Regis	554	59	56†	—	0	4	18	149	(333)	(225)	19	—	30	13	25	21	51	23	25	20	20	—	—	
9. IRELAND, N.																								
Donegal Dunfanaghy	180	47	39	—	2	1	8	292	343	79	0	—	39	17	2	22	57	25	2	22	35	—	—	
Antrim Aldergrove*	282	40	27	—	0	2	11	174	281	68	18	180	29	13	15	16	53	24	15	9	10	—	—	
10. IRELAND, S.																								
Dublin Kingstown (Cup Anr.)	49	27	16	2	5	16	103	368	155	13	100	240	43	19	2	{ 17 18	—	—	—	—	—	—	—	
Clare Quilty ...	100	40	32†	25	1	15	118	448	167	10	0	—	40	18	25	16	58	26	2	18	30	—	—	
Kerry Cahirciveen (Val.O.)	98	41	34†	31	1	15	127	434	163	19	0	330	40	18	31	16	64	29	25	10	20	—	—	
Cork Weaver Pt.	160	30	21†	31	1	14	95	323	295	27	3	—	40	18	31	19	65	29	4	13	10	—	—	
11. SCILLY ISLES.																								
St. Mary's	160																							

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



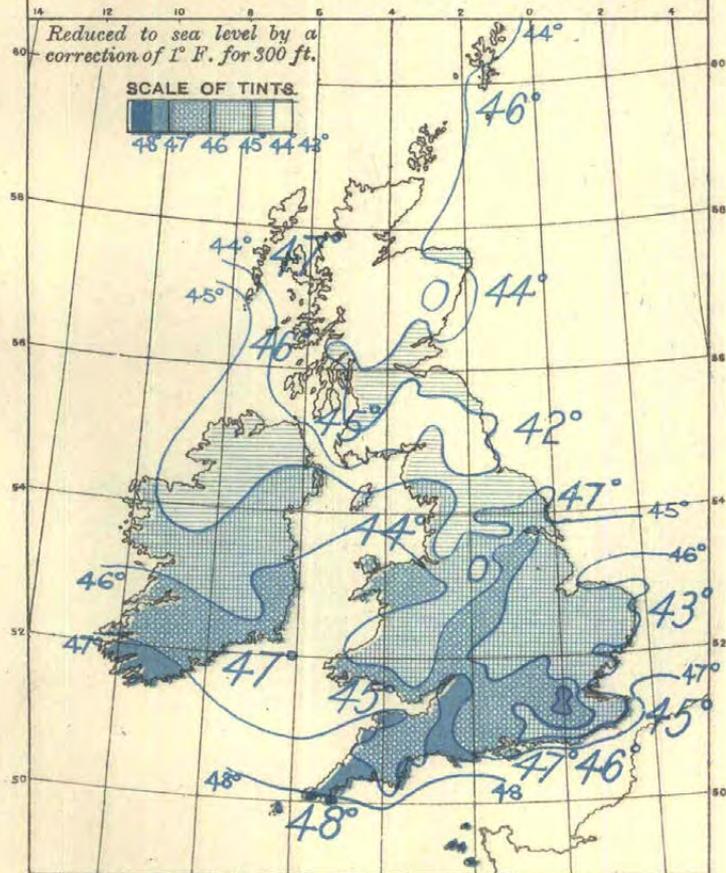
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:  LIGHT TO STRONG GALE 30 00 50 1 inch

2. MOVEMENTS OF DEPRESSIONS.

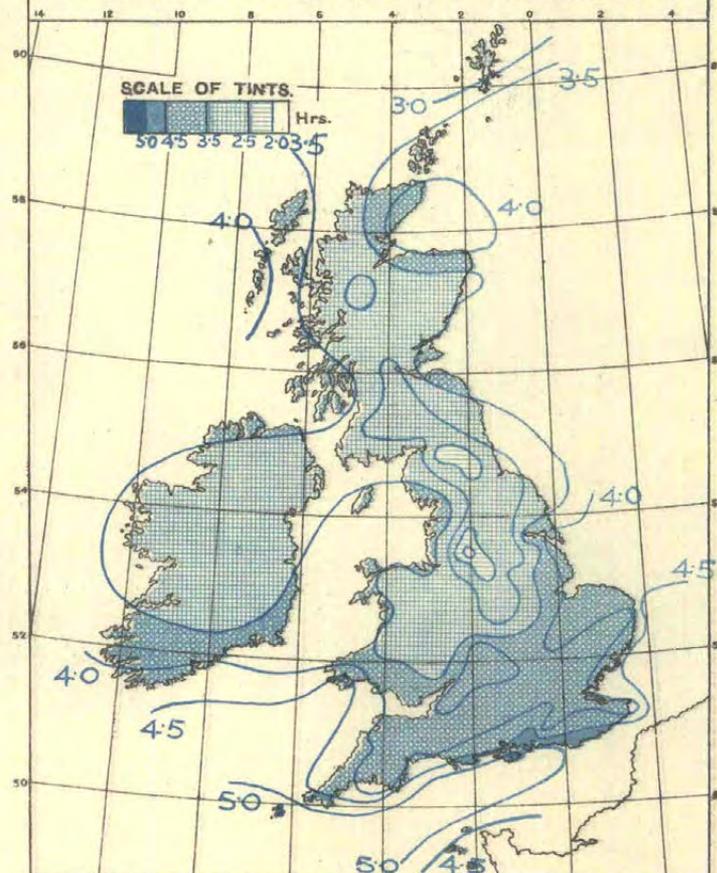


Positions of centres are shown thus: ○ at 1h; ◐ at 7h; ◑ at 13h; × at 18h.

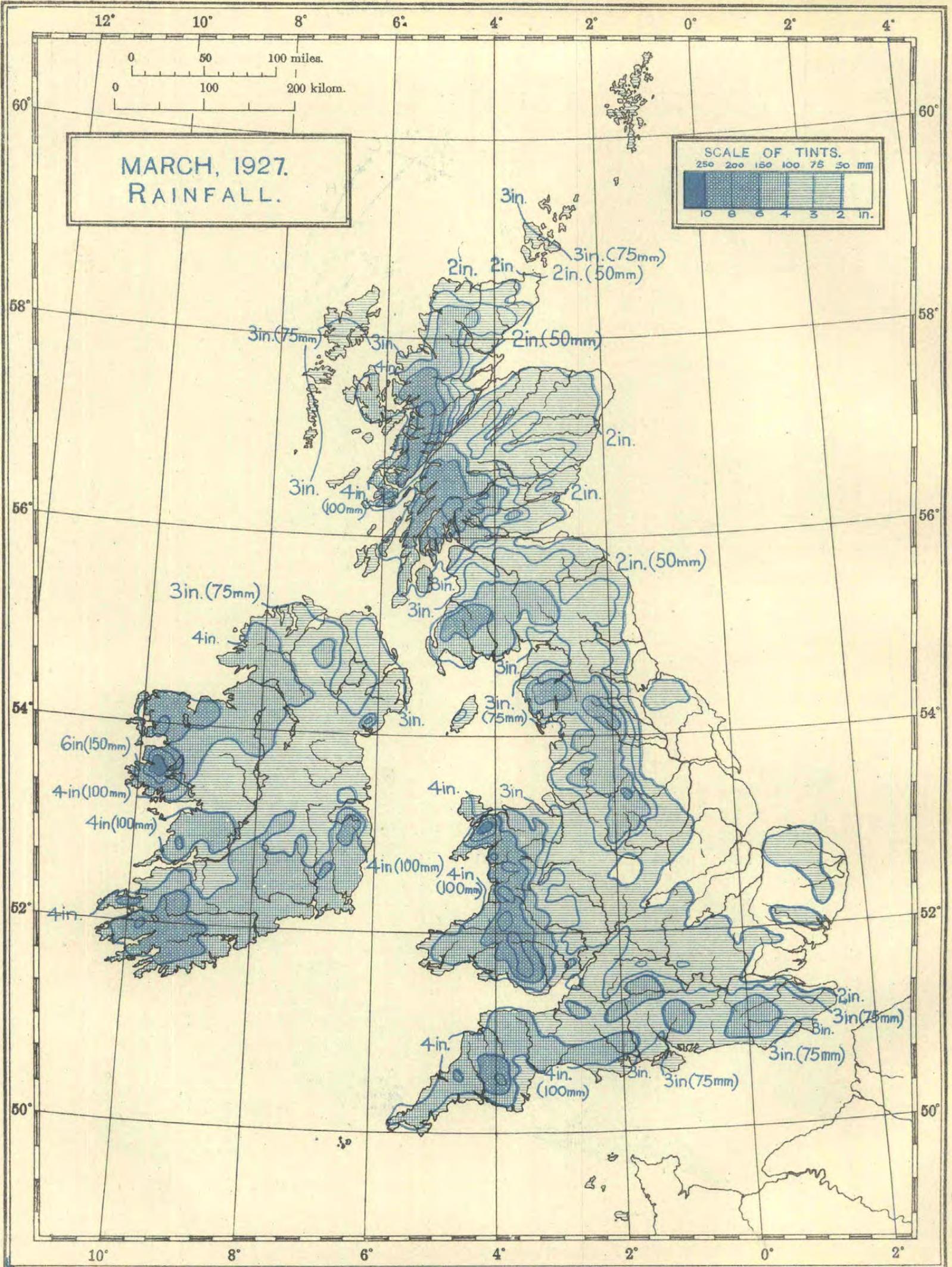
3. DISTRIBUTION OF MEAN TEMPERATURE.



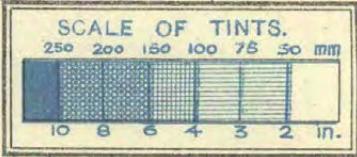
4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



MARCH, 1927.
RAINFALL.



Scale 1 : 5,000,000.

Ps. 305/1494. Wc. 1224. D. 26. 1125. 4/27.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE and of WEATHER OBSERVATIONS, MARCH, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.		Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER Number of days.							BRIGHT SUNSHINE.								
	Max.	Min.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.							
				A	B		Maximum.	Date.	Minimum.					Date.	Amount.	Date.	0-2 mm. or more.							1 mm. or more.	Snow.	Thunder.	Daily Mean.	Deviation from Normal.			
	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.	%				
5. ENGLAND, S.E.—cont.																															
Hampshire	Calshot	18-7	7	8	51.2	41.5	46.3	—	59	20th	33	11th	—	—	2.49	77	—	12	23rd	19	13	0	0	5	0	1	3	1	4.74	—	40
—(cont.)	Grayshot	9 9 9	661		50.3	38.2	44.3	+2.9	63	21st	31	9, 15	43.7	—	4.63	118	+53	18	31st	21	17	1	0	10	4	1	9	0	3.96	+0.06	34
	Long Sutton	9 9 9	479		50.6	38.2	44.4	—	62	21st	30	11, 15	44.1	—	3.53	90	—	17	23rd	18	14	0	0	3	3	1	8	0	4.65	—	39
	Petersfield (Stoner Hill)	9 9 9	748		49.5	38.3	43.9	—	61	21st	32	15th	—	—	5.27	134	—	24	23rd	21	17	0	0	3	1	5	5	0	—	—	—
	Portsmouth	9 9 9	15		51.8	42.1	46.9	+3.6	57	18, 20	33	11th	45.7	46.4	2.62	67	+17	10	6th	18	15	0	0	0	0	0	10	1	4.73	—	40
	Southamp'n	2121	9	64	51.9	40.8	46.3	+2.7	62	21st	30	11th	—	—	3.65	93	+35	14	24th	21	18	0	0	3	0	1	4	0	4.33	+0.30	37
	S. Farnboro'	18-7	7	230	52.7	38.3	45.5	—	64	21st	27	15th	—	—	3.31	84	—	15	25th	21	13	0	0	4	1	2	7	0	4.43	—	38
	Winchester (Worthy Down)	18-7	7	272	51.5	39.1	45.3	—	62	21st	29	11th	—	—	3.95	100	—	17	23rd	24	19	0	0	4	3	1	11	0	4.46	—	38
I. of Wight,																															
	Newport	9 9 9	48		52.3	39.9	46.1	—	61	21st	28	11th	—	—	3.31	84	—	15	31st	16	14	0	0	1	0	0	9	1	—	—	—
	Ryde	9 9 9	13		50.9	42.0	46.5	—	58	20th	34	11th	—	—	2.83	72	—	11	31st	16	13	0	0	0	0	0	0	0	3.42	—	29
	Sandown	9 9 9	30		50.6	40.9	45.7	—	56	29th	29	11th	—	—	3.08	78	—	11	6th	18	14	0	0	0	0	0	0	0	5.20	—	44
	Totland Bay	9 9 9	140		50.3	41.8	46.1	+3.4	57	18th	32	11th	—	—	2.51	64	+11	11	6th	16	14	0	0	1	1	0	2	2	5.03	+0.68	43
	Ventnor (Hospital)	9 9 9	59		51.3	42.5	46.9	+3.0	57	18, 21	36	12th	—	—	3.17	81	+29	13	6th	19	13	—	—	—	—	—	—	5.56	+0.95	47	
	(Public Pk.)	9 9 9	196		50.1	41.5	45.8	—	56	18th	35	11, 12	46.3	46.1	2.78	71	—	12	6th	17	11	0	0	2	0	0	0	0	5.33	—	45
Wilts.																															
	Larkhill	9 9 9	440		51.0	38.5	44.7	—	64	21st	30	9th	—	—	3.55	90	—	15	24th	22	17	0	0	4	0	0	7	1	—	—	—
	Marlboro'	9 9 9	424		51.1	38.3	44.7	+3.9	62	21st	29	11th	44.2	44.8	3.83	97	+33	13	24th	20	16	1	0	2	1	0	9	2	2.84	-0.48	24
	Porton	9 9 9	363		51.6	37.1	44.3	—	64	21st	24	11th	43.6	—	3.23	82	—	14	24th	21	17	0	0	4	0	0	9	0	4.00	—	34
7a. ENGLAND, N.W.																															
Cumber-land.	Aspatria (Mealsgate)	2121	9	487	48.1	37.9	43.0	+2.6	63	21st	30	13th	42.2	43.1	2.80	71	-9	13	29th	24	15	0	0	0	0	—	8	0	2.79	-0.95	24
	Keswick	9 9 9	254		49.2	38.5	43.9	—	59	17, 21	29	13th	42.4	43.0	4.49	114	—	21	29th	23	17	2	0	2	0	0	11	0	2.08	—	18
	Newton Rigg	2121	9	559	49.1	36.4	42.7	+3.2	62	21st	28	10th	—	—	2.96	75	+4	?	? 29th	? 20	? 12	0	0	0	0	0	12	0	2.97	-0.55	25
	Scaleby	9 9 9	111		50.3	37.0	43.7	+3.2	65	21st	26	12th	—	—	2.87	73	+11	16	29th	23	15	0	0	2	0	—	0	—	—	—	
Lancashire.																															
	Blackpool	9 9 9	66		50.1	40.3	45.2	+4.0	63	21st	32	11th	44.2	44.2	2.61	66	+6	8	31st	20	17	0	0	2	1	2	7	1	3.77	-0.39	32
	Blundellsands	9 9 9	34		50.6	40.9	45.7	—	62	21st	32	11th	43.7	44.1	2.85	72	—	13	26th	19	14	0	0	0	0	—	7	1	—	—	
	Bolton	9 9 9	341		49.9	38.7	44.3	—	65	21st	32	9th	42.1	42.1	6.34	161	—	45	26th	22	18	1	0	0	0	—	10	0	1.95	—	17
	Burnley	9 9 9	458		48.7	38.2	43.5	—	63	21st	29	11th	42.0	42.2	3.94	100	—	16	25th	20	14	1	0	0	0	2	12	0	2.22	—	19
	Darwen	2121	9	724	47.2	37.3	42.3	—	61	20th	31	11th	41.9	41.4	5.90	150	—	31	26th	22	19	2	0	2	1	1	8	0	2.24	—	19
	Hutton	9 9 9	82		50.5	38.6	44.5	—	63	21st	29	11th	42.9	43.1	3.34	85	—	17	26th	20	17	0	0	0	0	1	10	1	2.82	—	24
	Lancaster	9 9 9	311		50.1	39.0	44.5	—	65	21st	31	12th	41.2	42.7	3.85	98	—	18	25th	22	18	0	0	1	0	1	14	0	3.76	—	32
	Leyland	9 9 9	124		50.4	38.5	44.5	—	64	21st	27	11th	—	—	3.75	95	—	23	26th	19	16	0	0	1	0	1	9	2	3.08	—	26
	Manchester (Whitworth Pk.)	2121	9	125	51.0	39.9	45.5	+3.2	65	21st	33	14, 26	—	—	3.23	82	+25	14	26th	22	15	1	0	1	0	0	—	0	2.59	+0.24	22
	(Oldham Road)	2121	9	190	50.4	39.8	45.1	+2.6	64	21st	33	26th	43.0	44.3	4.23	107	+42	23	26th	24	15	1	0	0	0	—	1	0	2.04	-0.54	17
	(Swinton)	9 9 9	253		50.3	37.9	44.1	—	64	21st	32	9, 14	—	—	4.22	101	—	20	26th	22	15	1	0	0	0	0	12	0	2.49	—	21
	Morecambe	9 9 9	24		49.5	39.5	44.5	—	65	21st	32	11th	—	—	3.15	80	—	14	25th	20	18	0	0	0	0	0	0	0	3.89	—	33
	Southport	9 9 9	37		50.5	40.2	45.3	+3.8	63	21st	33	11th	43.2	43.1	3.52	89	+32	23	26th	19	16	0	0	2	0	0	8	2	3.86	-0.11	33
	Stonyhurst	9 9 9	377		48.4	38.3	43.3	+2.9	62	21st	33	9, 29	—	—	4.19	106	+12	18	2nd	20	17	0	0	1	0	0	7	0	2.67	-0.72	23
Cheshire.																															
	Hoylake	9 9 9	30		51.1	39.9	45.5	+2.7	62	20, 21	31	11, 15	—	—	2.52	64	+17	15	31st	16	14	—	—	—	—	—	—	3.92	+0.21	33	
	Liverpool (Bidston)	18-7	7	189	49.2	40.4	44.8	+2.9	60	21st	33	13, 15	—	—	1.91	48	0	8	30th	16	12	0	0	1	0	1	0	2	3.78	—	32
	Macclesfield	9 9 9	500		49.5	37.8	43.7	+3.5	64	21st	29	11th	—	—	4.23	107	+40	28	25th	20	16	1	0	2	0	1	—	0	—	—	
	Wallasey	9 9 9	35		50.9	40.4	45.7	—	62	20, 21	33	13th	—	—	2.88	73	—	14	31st	20	16	0	0	0	0	1	—	0	3.31	—	28
	West Kirby	9 9 9	25		50.5	39.7	45.1	—	61	21st	30	11, 13	—	—	2.46	62	—	14	31st	18	14	1	0	2	1	0	6	2	3.77	—	32
7b. NORTH WALES.																															
Flint.	Hawarden B'ge	9 9 9	22		51.7	40.7	46.2	+3.5	63	21st	34	15th	—	—	3.14	80	—	16	25th	19	17	—	—	—	—	—	—	—	—	—	
	Rhyl	9 9 9	30		—	—	—	—	63	21st	29	11th	—	—	2.95	75	+32	15	25th	19	14	0	0	0	0	0	4	0	3.75	-0.57	32
	Sealand	18-7	7	16	51.6	38.9	45.3	—	64	20th	29	11, 15	43.2	43.6																	

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, MARCH, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.				
			Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.								
			A	B		Maximum.	Date.	Minimum.					Date.	Amount.									Date.	Daily Mean.	Deviation from Normal.	Per Cent.					
			Max.	Min.	Mean of A and B.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more.	1 mm. or more.	°F.	°F.	°F.	°F.	°F.	°F.	hr.	hr.	%				
8b. ENGLAND, S. W. cont.			°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more.	1 mm. or more.	°F.	°F.	°F.	°F.	°F.	°F.	hr.	hr.	%							
Dorset—	G.M.T.	ft.	49.6	37.9	43.7	+2.9	59	21st	31	13th	—	—	3.65	93	+33	13	31st	18	16	0	0	0	0	0	0	0	5.13	—	43		
cont	Weymouth	21	52.1	42.8	47.5	—	57	18th	34	11th	—	—	2.68	68	—	12	31st	19	14	0	0	0	0	0	0	0	—	—	—		
Devon.	Arlington	613	49.9	39.9	44.9	+3.6	62	20th	32	11th	—	—	5.44	138	+36	20	31st	21	19	0	0	6	0	0	0	0	—	—	—		
	Ashburton	583	52.2	40.3	46.3	+2.7	62	20th	34	11, 13, 14	—	—	6.71	170	+57	30	31st	22	21	0	0	3	1	0	0	0	—	—	—		
	Cullompton	202	52.9	40.1	46.5	+3.8	61	19th	30	15, 28	46.2	—	4.69	119	+49	21	31st	21	19	0	0	1	0	0	0	13	0	3.20	-0.64	27	
	Exmouth	195	50.9	41.7	46.3	—	57	19th	33	28th	—	—	3.22	82	—	15	22nd	21	16	0	0	3	2	0	0	0	0	3.47	—	29	
	Ilfracombe	74	51.1	43.7	47.4	+3.0	62	20th	36	11th	47.5	48.2	3.20	81	+11	17	31st	20	13	0	0	0	0	1	1	0	4.09	—	35		
	Killerton	159	52.1	39.2	45.7	—	61	19th	31	28th	—	—	4.30	109	—	14	21st	22	21	3	0	0	2	0	0	14	—	—	—		
	Newton Abbot	350	51.5	40.9	46.2	—	63	20th	34	11, 13, 14	—	—	3.78	96	—	17	31st	24	17	0	0	1	1	0	4	1	4.05	—	34		
	Paignton	11	52.6	41.9	47.3	—	60	20th	34	11, 28	—	—	3.84	97	—	21	22nd	22	21	0	0	6	1	0	6	3	4.03	—	34		
	Plymouth	2121	51.8	42.4	47.1	+3.1	59	20th	34	11th	46.3	47.1	4.10	104	+30	17	31st	23	20	0	0	3	1	3	2	2	3.97	-0.32	34		
	(Hoe)	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Plymouth (Cattewater)	18-7	7	82	50.8	43.0	46.9	—	59	20th	34	28th	—	—	—	17	31st	23	18	0	0	5	2	1	3	6	3.81	—	32		
	Salcombe	39	—	—	—	—	—	—	—	—	—	—	—	—	—	18	23rd	23	20	—	—	—	—	—	—	—	4.09	-0.49	34		
	Sidmouth	147	51.0	41.6	46.3	+3.4	56	19th	33	11th	—	—	4.19	107	+45	18	22nd	22	21	0	0	5	2	0	1	3	—	—	—		
	Tavistock	458	50.5	40.1	45.3	—	61	20th	30	28th	—	46.1	6.17	157	—	26	31st	24	21	0	0	5	1	1	7	3	—	—	—		
	Teignmouth	19	52.2	43.0	47.6	+3.4	57	22nd	35	28th	—	—	3.31	84	+18	17	22nd	23	17	0	0	1	2	1	0	4	4.14	—	35		
	Torquay	12	52.2	43.1	47.7	+3.6	59	18th	36	11th	—	45.3	3.92	100	+30	19	22nd	23	18	0	0	4	1	1	3	3	4.54	+0.06	38		
	Woolacombe	2121	59	50.7	43.3	47.0	+2.8	61	20, 21	35	11th	—	—	2.80	71	+14	14	31st	19	14	0	0	1	0	0	1	0	3.75	-0.57	32	
Cornwall.	Bude	49	51.1	43.1	47.1	—	62	20th	31	11th	47.2	47.0	3.16	80	—	9	7th	23	19	0	0	1	0	0	0	0	4.35	—	38		
	Falmouth Obs.	167	52.0	43.0	47.5	+3.2	57	19th	34	13th	47.5	47.9	4.04	103	+15	16	22nd	24	20	0	0	0	2	0	6	1	4.38	-0.07	37		
	(Pendennis)	200	50.7	43.8	47.3	—	55	20th	35	13th	—	—	3.22	82	—	15	31st	23	18	0	0	4	2	0	0	8	4.78	—	41		
	Fowey	51	52.8	42.4	47.6	—	58	21st	33	14, 28	—	—	3.74	95	—	18	31st	22	17	0	0	0	0	1	0	0	4.01	—	34		
	Gulval	20	52.3	39.1	45.7	—	57	30th	35	13th	—	—	4.11	104	—	13	31st	24	21	0	0	0	0	0	2	2	4.35	—	37		
	Morwenstow	331	49.7	41.6	45.7	—	62	20th	33	11th	—	—	5.00	127	—	21	31st	23	21	2	0	5	0	0	0	0	—	—	—		
	Newquay	190	50.6	42.9	46.7	+2.5	58	20th	32	14th	46.8	47.4	2.96	75	+13	12	23rd	22	17	0	0	4	1	0	0	2	4.32	0.00	37		
	Penzance	54	52.8	44.1	48.5	—	57	22nd	36	13th	—	—	3.97	101	+20	12	22nd	21	19	0	0	1	0	0	0	0	4.15	—	35		
	Redruth	397	50.5	41.6	46.1	—	61	20th	33	13th	—	—	4.37	111	+20	19	22nd	24	20	1	0	5	2	1	5	1	—	—	—		
9. IRELAND, N.			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	
Sligo.	Markree Cas.	2121	9	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mayo.	Blacksod Pt.	18-7	7	10	49.5	41.0	45.3	+2.0	58	21st	34	12th	—	—	4.85	123	+19	15	4th	26	22	0	0	1	0	0	—	—	—	—	
	Mallary	120	50.5	40.4	45.5	—	55	17th	32	12th	—	—	7.23	184	—	19	31st	25	25	0	0	—	—	—	—	—	—	3.31	—	28	
Donegal.	Malin Head	18-7	7	51	48.3	40.9	44.6	+2.7	58	21st	31	13th	—	—	2.06	52	-7	8	29th	18	13	0	0	3	1	0	0	3.63	—	31	
Antrim.	Aldergrove	18-7	7	238	50.1	38.3	44.2	—	58	21st	27	13th	—	—	2.28	58	—	7	2nd	19	13	0	0	4	1	0	12	1	3.59	—	31
	Belfast	13	51.1	41.2	46.1	—	59	19th	33	10th	—	—	2.57	65	—	11	29th	17	15	—	—	—	—	—	—	—	—	—	—	—	
	Lisburn	206	52.9	37.0	44.9	+3.9	60	19, 21	38	11th	—	—	3.78	96	+35	15	29th	25	16	0	0	0	0	3	0	0	—	—	—	—	
Down.	Donaghadee	18-7	7	40	49.1	40.6	44.9	+2.8	59	19th	32	9th	—	—	3.21	81	+25	12	23rd	22	17	0	0	1	1	0	0	—	—	—	
Armagh.	Armagh	2121	9	204	50.4	38.2	44.3	+2.6	59	19th	27	13th	44.0	44.1	2.33	59	-1	10	24th	20	15	1	0	4	1	0	5	0	3.19	-0.16	27
Longford.	Newtownforbes	2121	9	161	50.3	37.5	43.9	—	58	21st	27	12, 13	43.9	44.1	4.05	103	—	14	25th	24	20	0	0	5	0	0	—	—	—	—	
10. IRELAND, S.			°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	
Dublin.	Balbriggan	203	50.2	39.4	44.8	+2.9	58	19th	33	11, 12	44.1	44.6	3.27	83	+34	17	31st	22	16	2	0	1	0	1	3	2	—	—	—	—	
	City	54	51.1	41.2	46.1	+2.4	61	19th	34	12th	—	—	3.08	78	+29	16	31st	23	14	1	0	4	0	1	2	0	—	—	—	—	
	Clasnevin	55	52.1	38.3	45.2	+2.8	62	19th	29	12, 13	—	—	3.24	82	+32	17	31st	26	13	1	0	3	0	3	7	0	—	—	—	—	
	Phoenix Pk.	155	51.8	38.4	45.1	+3.3	60	19th	28	12th	—	—	2.94	75	+26	16	31st	20	13	3	0	2	0	0	5	0	3.56	-0.41	30		
	Trin. Coll.	12	51.9	41.7	46.8	+3.2	61	19th	34	12th	45.1	45.1	2.95	73	+26	15	31st	20	14	0	0	1	0	0	4	0	—	—	—	—	
Wicklow.																															

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of MARCH, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	10	11	12		
5. ENGLAND, S.E.—cont.																																					
Kent.	Biggin Hill ...	7	616	1007.4	—	40.8	1.0	7.7	91	7.5	2	2	5	9	13	0	0	1	0	1	4	15	10	0	0	0	13	17	1	1	3	0	4	2	18	2	0
		13	610	1007.1	—	47.8	3.7	7.9	71	8.4	0	0	4	14	13	0	0	0	0	0	1	14	16	0	0	0	16	15	0	1	3	0	3	3	15	5	1
		18	616	1007.0	—	44.4	2.7	7.8	79	7.9	0	3	4	14	10	0	0	0	0	0	1	17	10	3	0	0	14	17	0	0	5	0	3	3	15	4	1
Kent.	Dungeness ...	1	21	1008.6	—	44.2	1.1	8.9	91	5.8	8	0	8	5	10	0	0	1	0	1	0	4	9	17	0	1	11	17	2	0	4	0	1	2	15	6	1
		7	21	1008.3	-4.3	43.7	1.2	8.8	90	7.5	0	1	9	12	9	0	0	1	0	0	1	4	18	7	0	1	14	16	0	1	3	1	3	4	9	9	1
		13	21	1008.1	—	48.5	2.7	9.5	80	7.8	0	0	7	14	10	0	0	1	0	0	0	2	13	15	0	1	15	15	0	0	4	0	1	4	16	6	0
Kent.	Lympe ...	18	21	1007.9	—	45.7	1.6	9.2	87	7.7	0	0	10	11	10	0	0	0	0	0	2	21	8	0	0	14	16	1	1	4	1	1	3	15	4	1	
		1	343	1008.6	—	42.2	1.2	8.3	90	6.3	6	3	4	6	12	0	0	0	2	1	0	6	12	10	0	0	15	16	0	3	2	1	2	7	8	8	0
		7	343	1008.5	—	41.7	1.0	8.3	92	6.8	0	8	3	11	9	0	1	1	3	0	1	10	10	5	0	0	15	16	0	4	2	1	3	10	4	6	1
Kent.	Tunbridge Wells	13	343	1008.0	—	48.1	3.6	8.4	74	7.8	0	2	6	15	8	0	0	1	0	0	0	5	16	8	1	0	22	9	0	3	1	1	2	12	6	5	1
		18	343	1008.0	—	44.4	1.7	8.7	87	7.7	0	3	5	13	10	0	0	0	0	0	1	6	13	9	2	0	16	15	0	1	3	1	4	9	9	3	1
		9	396	1008.5	—	45.1	1.6	8.8	87	6.9	1	7	4	5	14	0	0	0	0	2	7	16	6	0	0	0	8	23	0	2	2	1	3	7	11	4	1
Sussex.	Brighton H	9	48	1009.0	—	45.8	1.4	9.4	89	6.1	4	5	5	5	12	0	0	1	1	1	0	19	6	3	0	1	3	26	1	3	3	5	1	9	7	2	0
Sussex.	St. Leonards	9	174	1008.0	—	45.8	2.2	8.7	83	6.9	0	9	1	11	0	0	1	1	0	1	1	4	22	1	0	1	6	24	0	2	4	1	2	1	12	6	3
		21	174	1007.7	—	44.5	1.5	8.9	87	6.1	6	4	3	6	12	0	0	1	0	0	2	2	26	0	0	0	7	24	0	2	3	1	2	3	14	3	3
I. of Wight.	Ventnor (Hosp.)	9	80	1008.0	—	47.1	2.2	9.1	83	5.5	0	12	6	6	7	—	—	—	—	—	—	—	—	—	—	0	17	14	0	0	3	2	2	3	11	10	0
		15	80	1007.6	—	48.8	3.0	9.2	78	6.1	0	9	7	6	9	—	—	—	—	—	—	—	—	—	—	—	0	13	18	0	1	1	4	3	0	6	16
Hampshire.	Calshot H	1	15	1008.3	—	43.9	1.5	8.6	87	5.1	11	2	4	5	9	0	0	0	1	0	7	18	5	0	0	15	14	2	2	2	2	5	8	7	1	0	
		7	15	1007.7	—	43.3	1.4	8.3	88	6.7	1	6	5	10	9	0	1	0	0	0	0	14	11	5	0	0	16	13	2	3	1	4	2	6	6	7	0
		13	15	1007.8	—	49.2	3.8	8.7	73	7.8	0	1	8	15	7	0	0	0	0	0	0	5	13	13	0	0	24	6	1	0	4	2	4	2	13	3	2
		18	15	1007.6	—	46.5	2.7	8.5	79	6.9	0	6	6	12	7	0	0	0	0	0	0	5	15	11	0	0	16	15	0	1	2	3	2	5	13	3	2
Hampshire.	Southampton H	9	84	1008.6	-5.6	46.4	2.4	8.8	80	5.6	3	6	8	6	8	0	0	0	1	1	7	22	0	0	0	3	28	0	1	4	1	4	2	8	9	2	
		21	84	1008.4	-5.5	45.4	2.0	8.7	84	6.6	4	1	7	8	11	0	0	0	1	15	15	0	0	0	0	6	25	0	1	3	0	3	3	10	9	2	
Hampshire.	S. Farnborough	7	256	1007.3	—	40.9	0.7	8.4	94	7.2	2	4	4	10	11	0	1	0	1	1	3	7	11	7	0	0	7	22	2	1	1	3	3	7	9	5	0
		13	256	1007.0	—	50.9	4.7	8.7	69	7.8	0	1	9	12	9	0	0	0	0	0	0	1	4	10	17	0	15	16	0	1	2	1	3	7	9	6	2
		18	256	1007.0	—	45.9	2.3	8.7	82	7.1	0	4	9	11	7	0	0	0	0	0	0	1	9	9	12	0	6	24	1	1	2	2	1	8	9	7	0
Hampshire.	Winchester (Worthy Down)	7	273	1007.3	—	41.4	1.0	8.1	91	7.5	0	6	3	9	13	0	0	1	0	1	2	7	16	4	0	0	7	21	3	4	0	2	4	8	7	3	0
		13	273	1007.1	—	49.3	4.2	8.3	70	8.4	0	0	2	22	7	0	0	0	0	0	0	2	12	16	1	0	20	11	0	3	1	1	4	7	7	1	
		18	273	1007.1	—	45.6	2.4	8.4	81	7.0	0	5	7	12	7	0	0	0	0	0	0	6	14	9	2	0	10	19	2	2	1	1	4	9	7	4	1
Wilts.	Larkhill H	9	444	1006.8	—	44.7	1.9	8.6	85	7.6	0	5	3	13	10	0	0	0	0	1	3	7	20	0	0	23	8	0	2	2	1	4	7	5	8	2	
		13	444	1006.5	—	48.8	4.5	8.0	69	8.3	0	0	3	19	9	0	0	0	0	0	0	6	25	0	0	25	6	0	1	3	0	3	9	6	7	2	
		15	444	1006.3	—	48.5	4.2	8.1	70	8.1	0	1	1	23	6	0	0	0	0	0	0	4	27	0	0	26	5	0	2	3	1	2	6	7	8	2	
7a. ENGLAND, N.W.																																					
Cumberland.	Aspatria (Mealsgate)	9	485	1003.3	—	43.5	1.7	8.0	85	8.2	0	1	8	5	17	—	—	—	—	—	—	—	—	—	—	0	1	29	1	1	5	0	8	1	12	3	0
		21	485	1004.2	—	41.4	1.3	7.8	89	6.4	5	6	3	0	17	—	—	—	—	—	—	—	—	—	—	—	0	2	23	6	2	2	0	8	0	9	4
Lancashire.	Hutton ...	9	86	1003.7	—	44.1	1.2	8.8	90	7.5	3	4	1	7	16	—	—	—	—	—	—	—	—	—	—	0	4	16	11	0	1	0	6	6	2	4	1
Lancashire.	Southport H	9	42	1004.2	-8.2	44.1	1.8	8.4	85	7.2	2	3	4	11	11	0	0	0	0	10	5	5	10	0	0	22	9	0	1	2	1	6	7	5	7	1	
		13	42	1004.3	-8.1	48.5	3.8	8.5	73	6.8	0	9	2	9	11	0	0	0	0	4	7	1	19	0	0	23	8	0	0	2	1	4	6	4	12	2	
		17	42	1004.2	-7.7	47.2	3.3	8.4	76	7.6	0	6	1	12	12	0	0	0	1	7	4	2	17	0	0	24	7	0	2	1	2	3	3	9	9	2	
		21	42	1005.1	-7.2	43.5	1.9	8.2	85	7.9	0	5	3	5	18	0	0	0	0	1	9	9	5	7	0	1	15	15	0	0	2	3	5	9	4	6	2
Lancashire.	Stonyhurst	9	381	1005.7	—	43.1	2.2	7.6	81	7.8	1	3	5	6	16	0	0	0	0</																		

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns. The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " 2½ "
6	" 2½ " " 4 "
7	" 4 " " 6½ "
8	" 6½ " " 12½ "
9	" 12½ " " 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

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APRIL, 1927: BRIGHT PERIODS, FINE AND WARM 18TH TO 21ST; LAST WEEK COLD BUT SUNNY.

General.—An unsettled period early in the month with frequent rain and showers of hail, sleet and snow, fine warm weather from the 18th to the 21st and cold weather with severe local ground frost during the last week of the month, were the main features of the weather of April.

During the first nine days of April, the passage of depressions across the British Isles maintained an unsettled type of weather generally with moderate temperature, winds between south and north-west and alternating rainy and bright periods with showers of hail and, in northern districts, snow. In northern and western districts strong winds reaching gale force in exposed places were experienced on the 4th, 5th and 6th. In south-eastern districts the 7th was decidedly cold and wet. As a depression over southern England and the Channel moved slowly eastwards, northerly winds and cold showery weather set in over the British Isles on the 9th; in London thunderstorms accompanied by heavy hail occurred. Northerly winds, lower temperatures and mainly fair weather prevailed for a few days, but as the anticyclone off the west of Ireland moved southwards, winds became more westerly and on the 13th and 14th temperature rose to about 60°F. in southern England. In Scotland fairly heavy rainfall was general around about the 13th and in the south of England rain fell generally during the night of the 14th-15th.

Westerly winds and variable weather prevailed generally on the 15th and 16th, but associated with an anticyclone to the south of British Isles conditions improved on the 17th and on the 18th, fairer warmer weather prevailed over most of the British Isles, day temperatures exceeding 65°F. in some parts of London. From the 18th to the 21st fine warm weather was experienced in all districts, day temperature rising locally above 70°F. on the 21st.

In the rear of a depression which passed north-eastwards towards Scandinavia on the 22nd, the winds became more northerly and during the last week of the month extremely cold but sunny weather with showers of hail, snow or sleet prevailed in Scotland and northern England. In the southern districts the maximum temperature at several stations did not exceed 50°F. on the 26th, the weather during the closing days of the month being characterised by sunny weather, moderate day temperatures and cold nights.

The following remarks taken from observers' notes illustrate the character of the weather of the month:—Southport—An exceptionally westerly and north-westerly April with a remarkable scarcity of easterly winds, small daily range of temperature, light rainfall but singularly numerous rain-days. West Kirby—A month of variable weather. Bitterly cold with wintry showers of hail and snow at the close. Newport (I. of W.)—Fine and dry with remarkably low humidity towards the end of the month. Teignmouth—Unsettled to the 8th, then mainly fair with N. to N.W. winds. The 21st was the warmest April day since at least 1903. Cork—A dry month with light winds principally between N.W. and S.W. There were a few visitations of heavy frost towards the end of the month.

Pressure and Winds.—Monthly means of pressure were in general below the normal in Scotland, the northern districts of England, Wales and Ireland and above the normal in the southern districts. The trend of the isobars favoured north-westerly to westerly winds. There was a notable absence of easterly winds.

High winds reaching gale force in exposed places occurred on several days during the first week of the month and on the 22nd, 23rd, 25th and 27th. The highest gust recorded at an anemograph station during April was 66 mi/hr. at Pendennis Castle (near Falmouth); it occurred during the gale on the night of March 31st to April 1st, but was exceeded during the same gale by a gust of 71 mi/hr. which, however, occurred at 23h. 50m. on March 31st.

Temperature.—The mean temperature of Districts 1-10 was 45.8°F. and was 0.3°F. above the normal. The mean temperature was above the normal in most English Districts and in Ireland and below the normal in Scotland, but departures from the normal were mostly slight; the largest excess from normal, 1.7°F., occurred in England E. (mean temperature 47.3°F.) and the largest deficit, 1.4°F., in Scotland N. (mean temperature 41.5°F.).

There were frequent occurrences of ground frost. The ground frosts which occurred widely during the last week of the month were unusually severe for the time of year. The observer at Totland Bay states that the frost which occurred during the night of April 26th

to 27th (screen minimum, 31.6°F.) is the latest screen frost recorded there in 41 years. A grass minimum temperature as low as 11°F. was recorded at Renfrew on the 28th and at Balmoral on the 29th.

The extreme temperatures for the month were:—(England and Wales) 73°F. at Waltham-on-Aze, Enfield, Deal and Culmpton on the 21st, 22°F. at Bellingham on the 28th and at Mayfield, Wistanstow, Perdisswell and Usk on the 30th; (Scotland) 65°F. at Aberdeen on the 17th, 17°F. at Balmoral on the 29th; (Ireland) 70°F. at Kilkenny on the 20th, 24°F. at Markree Castle on the 30th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 107; the values for the constituent countries were:—England and Wales 107, Scotland 145, Ireland 69. The value for Ireland is the lowest recorded in April since 1921.

Monthly totals of precipitation showed considerable variation. Thus in parts of Sutherlandshire the total precipitation for the month amounted to fully three times the normal and in Anglesey and over a large area of the south of Ireland to less than half the normal. In most districts of England and Wales and Ireland little rain of any importance fell after the 9th.

In Scotland rainfall totals were appreciably below the normal in some eastern and southern districts but over the greater part of the country there was an excess, notably in parts of Sutherland, Ross and Cromarty, Inverness and the Hebrides and Orkney.

In England and Wales monthly totals of precipitation were less than the normal in some northern, north-western and south-western districts and in parts of east Anglia.

In Ireland precipitation exceeded the normal over a small area to the north-west: in some southern districts there was a marked deficiency; thus Cahirciveen had only 38 per cent. of the normal and Killarney 39 per cent.

Hail showers occurred frequently during the month occasionally in association with thunderstorms. During the thunderstorms in London on the 9th heavy hail fell at Hampstead and according to the observer's report lay 1 inch thick on the ground and in drifts to a depth of 3 inches. During the unsettled early portion of the month and during the cold last week of the month snow fell on several occasions in northern districts. In Shetland and some northern districts of Scotland including Morayshire conditions between the 25th and 27th amounted to a blizzard and the storm is reported to have been one of the worst on record. A notable fall of snow occurred on the evening of the 30th in the Lothians. At Lairg on the 30th snow lay to a depth of 7 inches.

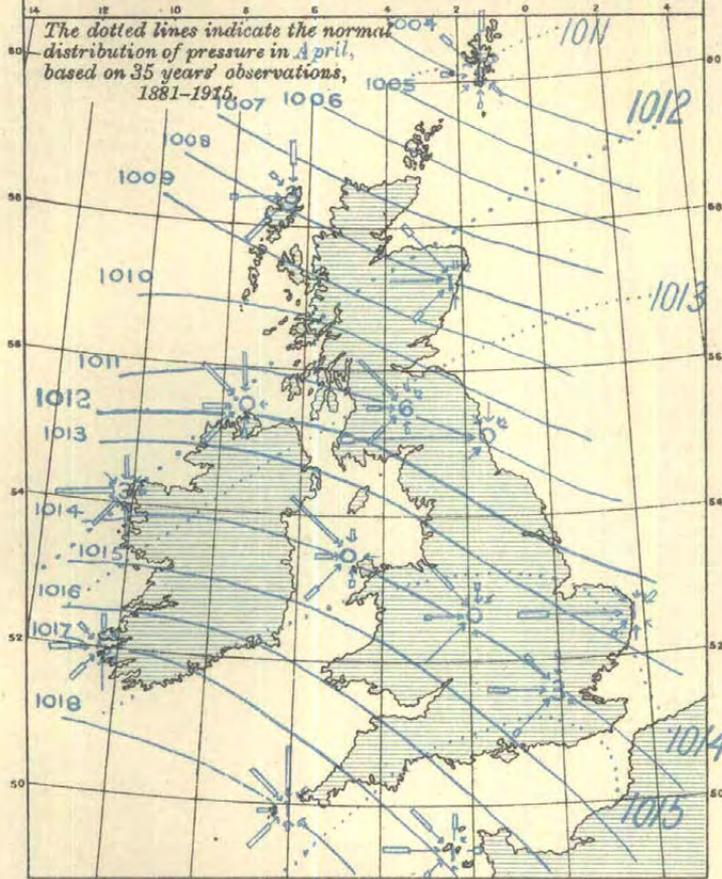
Sunshine.—The mean daily duration of sunshine was above the normal in Scotland E. and England N.E. and S.E., notably in England S.E., and in the Midland Counties; in the remaining Districts it was below the normal.

Although the early part of April was generally rainy and unsettled there were considerable bright periods, abundant sunshine being recorded in Ireland and southern Scotland during the week ending April 9th. The period April 16th to the 21st was unusually sunny in the eastern and south-eastern districts of England while the last few days of the month were sunny generally, between 13 hours and 13½ hours sunshine being recorded at a number of stations in the south and east of England on the 30th. The total duration of sunshine expressed as a percentage of the possible total for April amounted to 53 per cent. at Ventnor (Isle of Wight), to 51 per cent. at Margate and Worthing and to 50 per cent. at Eastbourne.

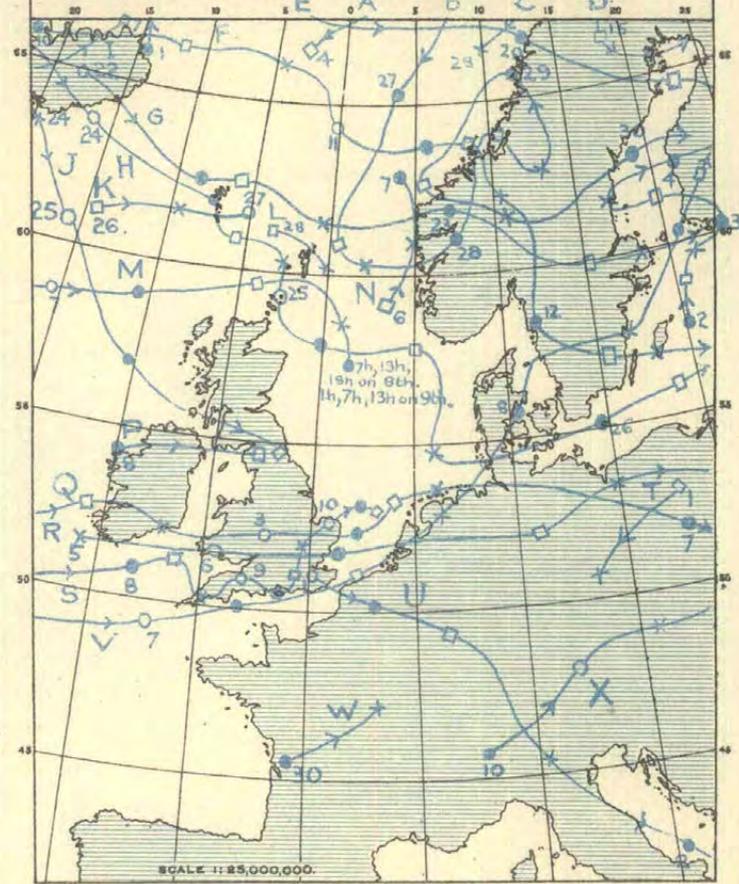
Fog.—Apart from some local fog, mostly in coastal regions, on the 4th and 5th and during the third week of the month, little fog was reported during the month.

Miscellaneous Phenomena.—Halos of 22° were observed at several places on various dates. A halo of 22° with well developed upper and lower arcs of contact was observed at Croydon, Oxford, South Farnborough and Richmond (Kew Observatory) in the forenoon of April 2nd. A halo of 46° with upper arc of contact and parhelia was observed at Oxford on the 5th. Aurora was observed at Wick on the 1st and 2nd, at Baltasound on the 1st, 2nd and 29th, at Stornoway on the 7th, at Gordon Castle on the 20th and at Inchkeith on the 24th and 29th. "Auroral glows" were observed at Lerwick Observatory on the 1st, 2nd, 3rd, 4th, 9th, 15th and 22nd.

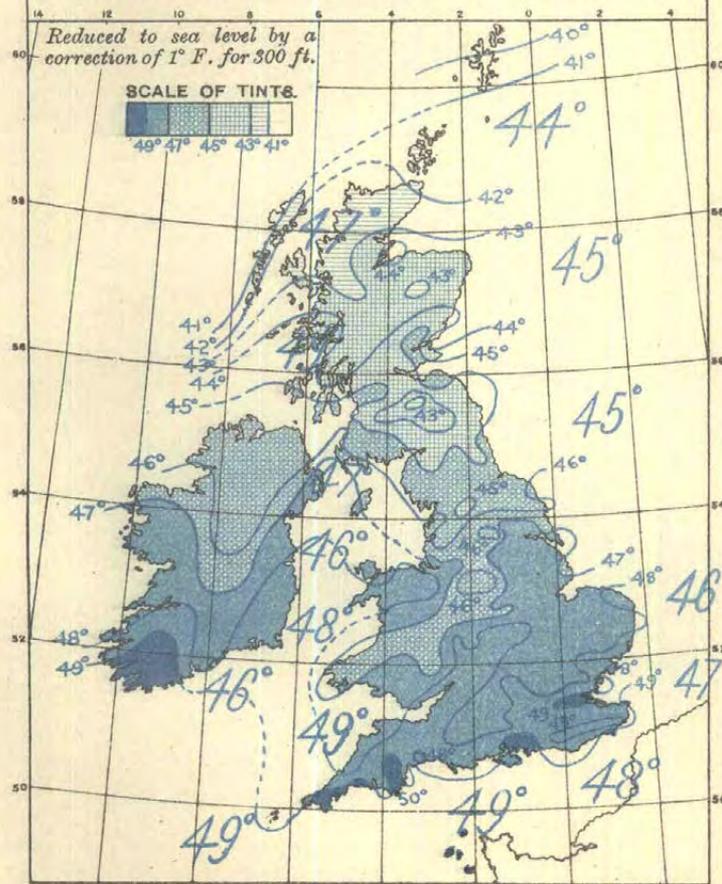
1. WIND AND MEAN PRESSURE. 7 A.M.



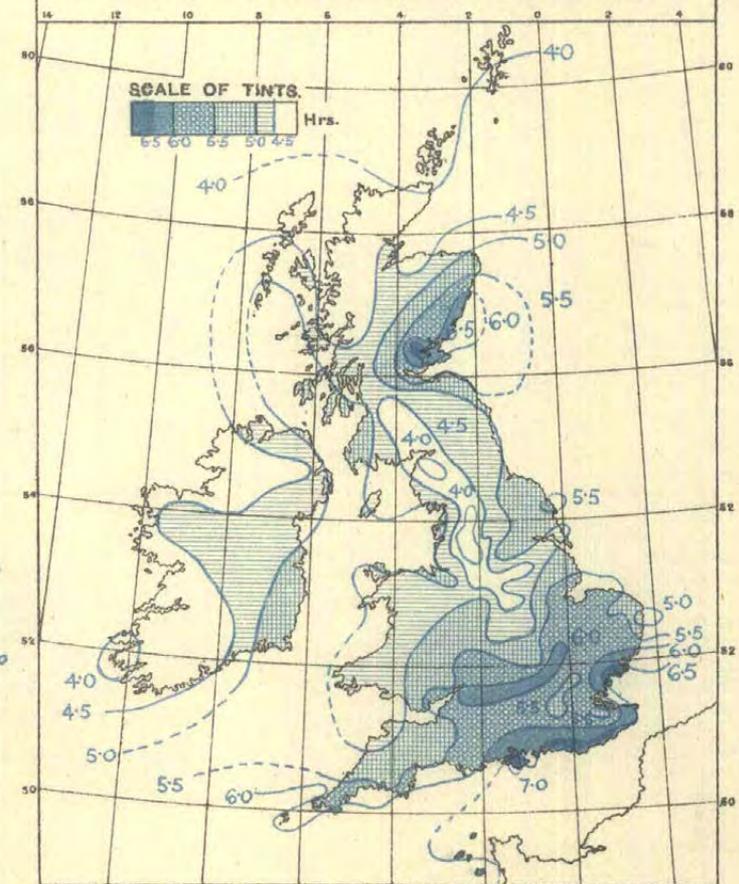
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. BRIGHT SUNSHINE, HOURS PER DAY.



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

* The pressure is expressed in millibars.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE and of WEATHER OBSERVATIONS, APRIL, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER Number of days.										BRIGHT SUNSHINE.				
	Max.	Min.	Rain.		Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.						
					Max.	Min.			Maximum.	Date.	Minimum.					Date.	Amount.										Date.	2 mm. or more.	1 mm. or more.	Daily Mean.	Deviation from Normal.	Pct.	
5. ENGLAND, S.E.—cont.																																	
Hampshire	Calshot	...	18-7	7	8	55.4	41.7	48.5	—	63	21st	33	2, 27	—	—	1.65	42	—	11	5th	12	8	0	0	0	0	0	2	4	0	6.24	—	46
—(cont.)	Grayshott	...	9-9	9	661	54.2	38.3	46.2	+0.3	71	21st	30	27th	47.5	—	2.27	58	+ 8	11	8th	13	9	3	0	2	0	0	12	1	6.05	+0.28	44	
	Long Sutton	...	9-9	9	479	55.1	38.9	47.0	—	69	21st	30	27, 30	48.6	—	1.76	45	—	11	5th	11	9	0	0	1	0	0	11	0	6.21	—	45	
	(Stoner Hill)				748																												
	Portsmouth	...	9-9	9	15	55.9	42.7	49.3	+1.5	65	21st	33	2nd	50.2	49.5	1.79	45	+ 5	11	5th	10	9	0	0	0	0	0	3	0	6.30	—	46	
	Southamp'n	...	2121	9	64	56.6	41.2	48.9	+0.4	71	21st	30	27th	—	—	1.96	50	+ 3	13	6th	11	9	0	0	1	4	0	6.00	+0.20	44			
	S. Farnboro'	...	18-7	7	230	56.6	38.8	47.7	—	72	21st	27	2nd	—	—	2.45	62	—	19	9th	13	8	0	0	2	0	1	6	0	5.84	—	42	
	Wincchester (Worthy Down)	...	18-7	7	272	55.0	38.8	46.9	—	69	21st	24	27th	—	—	2.16	55	—	15	8th	12	9	0	0	0	0	2	7	0	5.93	—	43	
I. of Wight.																																	
	Newport	...	9-9	9	48	56.7	40.0	48.3	—	65	21st	27	27th	—	—	1.91	49	—	11	5th	10	8	0	0	0	0	0	8	0	—	—	—	
	Ryde	...	9-9	9	13	55.3	42.8	49.1	—	66	21st	33	2nd	—	—	1.97	50	—	10	5th	11	9	0	0	0	0	1	1	5.53	—	44		
	Sandown	...	9-9	9	30	54.9	41.3	48.1	—	63	21st	29	2, 28	—	—	1.85	47	—	11	6th	11	8	0	0	0	0	0	0	6.49	—	47		
	Totland Bay	...	9-9	9	140	53.6	41.8	47.7	+0.6	60	21st	32	27th	—	—	1.67	43	+ 1	10	6th	9	8	0	0	0	0	0	3	0	6.58	+0.68	48	
	Ventnor (Hospital)	...	9-9	9	59	54.8	43.0	48.9	+0.8	62	21st	36	2nd	—	—	1.79	45	+ 2	12	6th	10	8	—	—	—	—	—	7.20	+1.13	53			
	(Public Pk.)	...	9-9	9	196	54.2	42.1	48.1	—	60	21, 23	35	27th	50.2	48.6	1.78	45	—	12	6th	10	7	0	0	1	0	0	3	0	6.59	—	48	
Wilts.																																	
	Larkhill	...	9-9	9	440	53.9	38.3	46.1	—	67	21st	28	2, 27, 30	—	—	1.97	50	—	10	9th	14	8	0	0	1	1	0	8	0	—	—	—	
	Marlboro'	...	9-9	9	424	54.5	37.2	45.9	+0.5	68	21st	23	27th	47.8	47.3	1.97	50	0	11	5th	14	9	0	0	0	0	0	6	0	—	—	—	
	Porton	...	9-9	9	363	54.6	36.7	45.7	—	68	21st	24	27th	47.0	—	1.79	45	—	13	8th	13	8	0	0	0	0	1	12	0	5.99	—	43	
7a. ENGLAND, N.W.																																	
Cumberland	Aspatria (Mealsgate)	...	2121	9	487	48.9	37.2	43.1	-1.7	56	18th	27	28th	44.3	44.4	2.42	61	+ 3	12	22nd	24	16	1	0	0	1	—	14	0	3.95	-1.22	28	
	Keswick	...	9-9	9	254	50.4	38.1	44.3	—	61	18th	26	30th	45.0	44.6	3.79	96	—	21	13th	20	14	5	0	0	0	0	12	0	3.72	—	27	
	Newton Rigg	...	2121	9	559	50.4	36.5	43.5	-0.4	59	18th	26	9, 28, 30	—	—	1.84	47	- 6	8	22nd	23	13	0	0	0	0	0	12	0	4.39	-0.74	31	
Lancashire.																																	
	Blackpool	...	9-9	9	66	50.7	41.7	46.2	+0.8	58	18th	32	30th	48.1	46.5	1.07	27	-21	6	4th	16	10	0	0	0	0	0	6	0	5.21	-0.62	37	
	Blundellsands	...	9-9	9	34	51.4	42.4	46.9	—	60	22nd	34	2, 11	47.8	46.9	1.19	30	—	4	4th	19	12	2	0	1	0	—	3	0	—	—	—	
	Bolton	...	9-9	9	341	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Burnley	...	9-9	9	458	49.8	37.7	43.7	—	60	22nd	23	30th	44.9	44.3	3.21	81	—	20	13th	20	16	0	0	1	0	0	9	0	3.50	—	25	
	Darwen	...	2121	9	724	49.3	37.8	43.5	—	60	18, 22	28	30th	45.5	43.6	3.96	101	—	16	13th	22	18	1	0	5	0	0	7	0	3.67	—	26	
	Hutton	...	9-9	9	82	51.3	39.0	45.1	—	61	22nd	25	30th	46.3	45.4	1.74	44	—	6	4th	20	12	0	0	0	0	0	11	0	4.26	—	30	
	Lancaster	...	9-9	9	311	50.6	39.4	45.0	—	57	18th	30	30th	45.8	45.3	2.13	54	—	10	13th	19	12	0	0	1	0	0	13	0	4.76	—	34	
	Leyland	...	9-9	9	124	51.4	38.5	44.9	—	61	22nd	25	30th	—	—	2.02	51	—	6	4th	20	16	0	0	1	0	0	11	0	4.53	—	33	
	Manchester (Whitworth Pk.)	...	2121	9	125	51.5	41.2	46.3	-0.5	65	21st	33	2, 11	—	—	2.05	52	+ 3	6	22nd	19	16	0	0	0	1	0	—	0	3.79	-0.11	27	
	(Oldham Road)	...	2121	9	190	52.2	40.4	46.3	-0.8	64	18, 20	31	30th	45.6	46.3	2.40	61	+11	10	13th	22	14	0	0	0	1	—	1	0	3.58	-0.75	26	
	(Swinton)	...	9-9	9	253	51.7	39.1	45.4	—	64	21st	28	30th	—	—	2.42	61	—	9	13th	20	16	4	0	7	1	1	11	0	4.04	—	29	
	Morecambe	...	9-9	9	24	50.2	41.0	45.6	—	56	18th	30	30th	—	—	2.03	51	—	13	13th	19	11	0	0	1	0	0	0	5	26	—	38	
	Southport	...	9-9	9	37	50.9	41.9	46.4	+0.7	61	22nd	33	30th	47.9	46.9	1.07	27	-20	6	4th	21	11	0	0	1	0	0	5	2	5.20	-0.47	37	
	Stonyhurst	...	9-9	9	377	49.4	38.5	43.9	-0.9	58	18, 22	28	30th	—	—	3.79	96	+27	31	13th	22	16	0	0	2	0	0	9	0	4.56	-0.44	33	
Cheshire.																																	
	Hoylake	...	9-9	9	30	52.6	42.1	47.3	+0.4	64	20, 21	32	2nd	—	—	1.37	35	- 6	6	22nd	20	16	—	—	—	—	—	—	5.04	-0.39	36		
	Liverpool (Bidston)	...	18-7	7	189	50.2	42.2	46.2	-0.1	61	21st	34	2nd	—	—	0.80	20	-21	3	4th	19	6	1	0	4	0	0	0	1	4.83	—	35	
	Macclesfield	...	9-9	9	500	50.8	37.4	44.1	-0.9	65	20th	26	30th	—	—	3.42	87	+34	16	8th	20	16	6	0	3	1	0	—	0	—	—	—	
	Wallasey	...	9-9	9	35	52.6	42.3	47.5	—	63	20th	36	2, 11	—	—	1.14	29	—	4	25th	20	14	1	0	2	0	0	—	0	4.64	—	33	
	West Kirby	...	9-9	9	25	52.0	41.9	46.9	—	62	21st	32	11th	—	—	1.10	28	—	3	8th	20	19	5	0	8	0	0	4	5	5.02	—	36	
7b. NORTH WALES.																																	
Flint	Hawarden B'ge	...	9-9	9	22	53.3	42.7	48.0	+0.9	65	21st	33	2nd	—	—	1.55	39	—	13	9th	17	11	—	—	—	—	—	—	—	—	—		
	Rhyl	...	9-9	9	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Sealand	...	18-7	7	16	52.8	41.1	46.9	—	64	19, 21	30	2, 30	46.8	46.2	1.90	48	—	24	9th	17	12	1	0	2	1	0	5	1	5.19	—	37	
Anglesey	Holyhead	...	18-7	7	26	50.3	43.7	47.0	+0.6	55	18th	37	30th	—	—	0.81	21	-32	6	4th	12	7	1	0	5	0	0	0	0	4.77	—		

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, AND OF WEATHER OBSERVATIONS, APRIL, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.		Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER Number of days.								BRIGHT SUNSHINE.							
	Max.	Min.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Hours per day.								
				A	B		Maximum.	Date.	Minimum.					Date.	Amount.	Date.	0.2 mm. or more.							1 mm. or more.	Daily Mean.	Deviation from Normal.	Per Cent.					
	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.									hr.	hr.	%						
8. ENGLAND, S.W.—cont.																																
Dorset—	Shattesbury	9 9 9	722	52.9	38.1	45.5	-0.2	66	21st	31	27, 30	—	—	1.70	43	-11	13	6th	14	11	0	0	0	0	0	0	0	0	0	6.48	—	47
cont.	Weymouth	9 9 9	21	55.2	41.6	48.4	—	61	21st	33	27th	—	—	2.02	51	—	13	6th	11	7	0	0	0	0	0	0	0	0	0	—	—	—
Devon.																																
	Arlington	9 9 9	613	51.2	39.5	45.3	-0.3	60	20th	30	2, 11, 28	—	—	2.77	70	-8	19	5th	12	11	0	0	1	0	0	7	1	—	—	—	—	
	Ashburton	9 9 9	583	56.2	40.2	48.2	+0.3	70	21st	34	30th	—	—	2.81	71	-7	22	6th	16	13	0	0	0	0	0	0	0	0	0	5.29	+0.06	39
	Cullompton	9 9 9	202	56.9	39.5	48.2	+0.9	73	21st	29	2, 28	49.9	—	2.12	54	-4	13	6th	14	10	0	0	0	0	0	0	14	0	5.16	—	38	
	Exmouth	9 9 9	195	53.6	41.8	47.7	—	70	21st	34	28th	—	—	1.77	45	—	18	6th	11	7	0	0	0	0	0	0	0	0	4.75	—	34	
	Ilfracombe	9 9 9	74	51.4	44.1	47.7	-0.5	58	20th	38	30th	50.1	49.9	1.86	47	-4	17	5th	10	9	0	0	0	0	0	0	0	0	5.70	—	42	
	Kilerton	9 9 9	159	55.2	39.5	47.3	—	70	20th	28	28th	—	—	1.85	47	—	14	6th	10	8	0	0	0	0	0	0	14	0	5.92	—	43	
	Newton Abbot	9 9 9	350	54.5	40.9	47.7	—	68	21st	32	2, 27	—	—	2.18	55	—	20	6th	15	7	0	0	0	0	0	0	4	2	5.46	-0.37	40	
	Paignton	9 9 9	11	55.2	41.8	48.5	—	64	19th	32	2nd	—	—	1.88	48	—	17	6th	11	6	0	0	0	0	0	0	0	0	—	—	—	
	Plymouth	2121 9	116	53.6	42.0	47.8	-0.4	59	21st	33	2nd	49.4	48.8	2.29	58	0	15	6th	11	7	0	0	0	0	0	0	3	0	—	—	—	
	(Hoe)	9 9 9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plymouth (Cattewater)	18-7 7	82	53.0	42.6	47.8	—	58	23rd	34	2nd	—	—	2.32	59	—	13	8th	12	7	0	0	1	0	1	2	0	5.23	—	38	—	
	Salcombe	9 9 9	39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Sidmouth	9 9 9	147	54.2	40.7	47.5	+0.5	62	20th	32	2nd	—	—	1.98	50	-4	17	6th	12	9	0	0	0	0	0	0	3	0	—	—	—	—
	Tavistock	9 9 9	458	52.8	40.7	46.7	—	64	21st	30	2nd	49.4	—	2.59	66	—	19	6th	18	11	0	0	2	0	0	0	14	1	5.94	—	43	
	Teignmouth	9 9 9	19	55.4	43.0	49.2	+0.8	70	21st	34	2nd	—	—	1.87	47	-4	22	6th	11	7	0	0	1	1	0	0	2	2	5.98	-0.09	44	
	Torquay	9 9 9	12	55.2	43.2	49.2	+1.1	67	21st	36	2, 27	47.6	—	2.15	55	+4	24	6th	13	7	0	0	1	0	0	0	0	0	4.38	-1.55	32	
	Woolacombe	2121 9	59	51.4	43.7	47.5	-0.3	56	20th	38	2, 30	—	—	1.74	44	0	15	5th	12	10	0	0	1	0	0	0	0	0	—	—	—	—
Cornwall.																																
	Bude	9 9 9	49	52.1	42.7	47.4	—	63	21st	30	27th	49.8	49.3	1.99	51	—	15	5th	16	12	0	0	0	0	0	1	0	0	4.84	—	35	
	Falmouth Obs.	9 9 9	167	54.2	43.5	48.9	+1.1	62	20, 21	35	27th	51.4	50.5	2.74	70	+3	17	5th	14	7	0	0	0	0	0	0	5	0	5.91	-0.22	43	
	(Pendennis)	18-7 7	200	52.4	44.1	48.3	—	60	21st	37	27th	—	—	2.35	60	—	15	2nd	13	7	0	0	4	0	1	2	1	6.15	—	45		
	Fowey	9 9 9	51	55.9	42.1	49.0	—	63	29th	35	2, 20	—	—	2.31	59	—	18	6th	12	8	0	0	0	0	0	0	0	0	5.53	—	40	
	Gulval	9 9 9	20	54.7	43.2	48.9	—	62	21st	34	27th	—	—	3.38	86	—	18	2nd	16	12	0	0	0	0	0	0	2	0	6.06	—	44	
	Newquay	9 9 9	190	51.6	43.0	47.3	-0.4	62	20th	32	27th	49.8	49.2	1.92	49	-2	15	6th	14	8	0	0	0	0	0	0	0	0	5.48	-0.39	40	
	Penzance	9 9 9	54	54.2	43.9	49.1	—	62	21st	35	27th	—	—	3.09	79	+17	15	6th	17	12	0	0	0	0	0	0	0	0	5.83	—	43	
	Redruth	9 9 9	397	51.6	42.0	46.8	—	63	21st	35	27th	—	—	2.49	63	-10	17	6th	16	11	0	0	2	0	1	9	0	—	—	—	—	
9. IRELAND, N.																																
Sligo.	Markree Cas.	2121 9	122	53.0	38.6	45.8	+0.1	59	18th	24	30th	48.0	46.7	1.89	48	-20	8	4th	22	16	3	0	8	1	0	—	1	4.41	-0.56	31		
Mayo.	Blacksod Pt.	18-7 7	10	50.4	42.4	46.4	-0.3	55	17, 18, 19	33	30th	—	—	2.95	75	+1	14	4th	27	23	0	0	2	0	0	—	0	—	—	—	—	
	Mallarany	9 9 9	120	51.8	41.5	46.7	—	56	17th	34	2, 3	—	—	4.05	103	—	9	4th	27	22	—	—	—	—	—	—	0	—	4.50	—	32	
Donegal.	Malin Head	18-7 7	51	48.7	41.0	44.9	-0.4	56	21st	32	30th	—	—	2.94	75	+25	16	13th	25	18	6	—	6	0	0	—	0	—	4.98	—	35	
Antrim.	Aldergrove	18-7 7	238	52.0	38.1	45.1	—	60	17th	25	30th	—	—	1.37	35	—	6	7th	20	13	3	0	5	0	0	15	0	4.43	—	32		
	Belfast	9 9 9	13	53.4	40.9	47.1	—	61	17th	30	30th	—	—	1.53	39	—	6	7th	14	13	—	—	—	—	—	—	—	—	—	—	—	
	Lisburn	9 9 9	206	53.4	37.1	45.3	+0.3	62	17th	28	27, 28	—	—	1.79	45	-11	12	7th	20	10	2	0	2	0	0	—	0	—	—	—	—	
Down.	Donaghadee	18-7 7	40	52.0	40.0	46.0	+0.3	61	17, 20	30	28, 30	—	—	1.26	32	-19	8	4th	21	12	2	—	3	0	0	—	1	—	—	—	—	
Armagh.	Armagh	2121 9	204	52.7	38.5	45.6	0.0	61	17th	28	30th	46.8	46.0	1.32	33	-20	5	7th	21	12	3	0	5	0	0	8	0	4.60	-0.30	33		
Longford.	Newtownforbes	2121 9	161	51.9	38.4	45.1	—	59	17th	29	26, 27	46.2	45.8	1.39	35	—	7	2nd	15	11	0	0	4	0	—	—	—	—	—	—	—	
10. IRELAND, S.																																
Dublin.	Balbriggan	9 9 9	203	53.9	39.9	46.9	+1.2	66	20th	30	27th	47.8	47.5	1.12	28	-20	9	2nd	15	7	0	0	2	0	0	6	2	—	—	—	—	
	City	2121 9	54	54.4	41.2	47.8	+0.2	66	20th	34	27th	—	—	1.23	31	-17	7	4th	16	11	0	0	2	0	0	4	1	—	—	—	—	
	Glasnevin	2121 9	55	55.2	38.5	46.9	+1.0	68	20th	28	2nd	—	—	1.22	31	-17	8	2nd	18	10	0	0	3	0	1	5	0	—	—	—	—	
	Phoenix Pk.	2121 9	155	54.8	38.0	46.4	+1.2	67	20, 21	28	26, 27	—	—	1.31	33	-13	6	2, 4	18	9	1	0	1	0	—	8	0	5.05	-0.45	36		
	Trin. Coll.	2121 9	12	54.5	41.5	48.0	+1.0	66	20th	34	26, 27	48.3	47.5	1.10	28	-19	5	4th	14	11	0	0	0	0	—	9	0	—	—	—	—	
Wicklow.	Newcastle	2121 9	256	54.1	40.2	47.1	—	67	20, 21	31	27th	—	—	1.06	27	—	11	2nd	12	6	0	0	0	0	0	—	0	—	—	—	—	
King																																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of APRIL, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			0 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ...	9	352	1011.4	—	45.4	3.1	7.1	70	5.9	1	8	7	7	7	0	0	0	0	2	1	10	12	5	0	1	3	24	2	2	1	0	0	3	4	11	7	
	21	352	1011.5	—	42.2	2.2	7.3	81	4.8	6	6	7	5	6	0	0	0	0	0	0	0	19	11	0	0	5	22	3	3	0	0	0	3	9	11	1	
York, N. Riding. Scarborough...	9	96	1011.6	—	47.6	3.4	8.5	74	4.5	8	7	2	9	4	0	0	0	0	0	2	10	7	11	0	0	1	29	0	9	1	0	0	2	2	8	8	
	9	53	1011.9	—	47.1	4.2	7.5	68	6.8	3	3	7	4	13	—	—	—	—	—	—	—	—	—	—	0	0	30	0	10	0	0	0	1	4	11	4	
21	53	1011.7	—	45.2	3.0	7.7	76	5.4	9	4	3	3	11	—	—	—	—	—	—	—	—	—	—	0	0	30	0	5	1	0	0	2	6	13	3		
E. Riding. Spurn Head	1	28	1010.5	—	44.0	1.6	8.5	87	5.3	7	3	8	3	9	0	0	0	0	0	4	7	17	2	0	0	18	11	1	1	2	0	0	3	8	13	2	
	7	28	1011.1	-2.3	44.0	1.9	8.3	85	6.4	1	7	6	9	7	0	0	0	0	0	4	11	14	1	0	0	22	8	0	2	1	0	1	2	8	12	4	
	13	28	1011.5	—	49.1	3.8	8.6	73	7.3	0	2	9	11	8	0	0	0	0	1	2	5	15	7	0	0	16	13	1	4	2	2	1	4	11	3		
	18	28	1011.0	—	47.1	2.6	8.8	80	7.6	0	2	7	13	8	0	0	0	0	0	4	7	10	9	0	0	17	11	2	3	1	3	5	1	4	11	3	
Lincoln. Cranwell H	1	240	1012.6	—	42.1	0.9	8.5	93	5.8	5	6	4	3	12	0	0	0	0	0	4	15	11	0	0	0	13	16	1	2	1	1	0	2	9	13	1	
	7	240	1013.1	—	42.6	1.3	8.4	89	6.4	1	9	2	10	8	0	0	0	0	1	2	17	7	3	0	0	11	19	0	1	1	0	1	0	13	10	4	
	13	240	1013.1	—	51.5	4.5	9.1	71	7.9	0	3	3	13	11	0	0	0	0	0	1	9	13	7	0	0	20	10	0	3	0	0	2	2	7	9	7	
	18	240	1012.6	—	49.8	3.3	9.5	77	7.6	0	3	6	13	8	0	0	0	0	0	9	13	8	0	0	0	17	13	0	3	0	2	2	1	8	12	2	
3. ENGLAND, E.																																					
Norfolk. Cromer ...	9	74	1011.5	—	47.5	3.1	8.4	76	6.6	0	3	12	11	4	0	0	0	0	0	0	10	8	12	0	0	10	20	0	5	2	0	0	3	2	7	11	
Norfolk. Yarmouth...	1	26	1012.5	—	44.4	2.0	8.2	84	5.1	9	3	6	3	9	0	0	0	0	0	0	4	23	3	0	0	8	22	0	1	0	1	0	5	8	12	3	
	7	26	1012.7	-1.0	43.1	1.7	8.0	85	6.7	1	5	8	7	9	0	0	0	0	0	2	19	9	0	0	0	9	20	1	1	2	0	1	2	3	17	3	
	13	26	1013.3	—	51.0	4.9	8.4	66	7.1	0	0	12	9	9	0	0	0	0	0	0	17	13	0	0	0	20	10	0	2	2	3	3	2	5	7	6	
18	26	1013.1	—	49.7	4.1	8.7	71	7.0	0	4	10	7	9	0	0	0	0	0	0	19	11	0	0	0	12	17	1	3	1	0	3	4	6	8	4		
Suffolk. Felixstowe Aero.	7	20	1013.0	—	44.9	2.2	8.3	82	5.9	1	8	6	11	4	0	0	0	0	0	3	9	15	3	0	0	15	14	1	3	0	0	2	5	10	9		
	13	20	1013.6	—	52.0	5.5	8.3	63	7.2	0	2	8	13	7	0	0	0	0	0	0	1	16	13	0	0	17	13	0	4	0	1	1	7	3	10	4	
	18	20	1013.3	—	50.6	4.6	8.7	68	6.0	0	7	10	9	4	0	0	0	0	0	2	14	14	0	0	0	15	15	0	5	0	1	2	4	5	9	4	
Cambridge. Cambridge H	9	43	1013.6	-0.8	48.9	3.5	9.0	75	5.7	4	5	3	9	7	—	—	—	—	—	—	—	—	—	—	0	7	23	0	5	2	0	0	4	3	7	9	
	21	43	1013.1	-1.1	47.3	2.7	9.0	80	5.2	7	5	4	7	7	—	—	—	—	—	—	—	—	—	—	0	2	27	1	4	0	0	2	8	11	4		
Hertford. Rothamsted	9	396	1013.6	—	46.9	3.8	7.9	71	6.3	0	8	6	11	5	0	0	0	0	0	1	29	0	0	0	0	12	15	3	1	0	0	1	3	8	11	3	
Essex. Shoeburyness H	7	14	1013.6	—	45.6	2.0	8.8	84	6.7	2	5	3	12	8	0	0	0	0	2	2	16	5	5	0	0	10	17	3	4	0	0	0	3	13	7		
	13	14	1014.1	—	53.5	5.8	8.8	63	6.3	1	7	6	9	7	0	0	0	0	0	0	5	9	16	0	0	16	12	2	1	1	0	1	3	6	8	8	
	18	14	1013.6	—	50.9	4.4	8.8	70	6.3	1	7	2	15	5	0	0	0	0	0	0	11	8	11	0	0	8	21	1	2	1	1	1	8	9	6		
4. MIDLAND COUNTIES.																																					
York, W. Riding. Harrogate H	7	478	1011.9	—	42.2	2.4	7.2	79	6.0	0	12	2	9	7	0	0	0	1	1	0	1	15	12	0	0	7	21	2	3	0	0	0	1	16	6	2	
	13	478	1012.0	—	48.9	5.2	7.4	63	7.7	0	2	8	14	6	0	0	0	0	0	1	0	3	6	17	3	0	12	18	0	4	0	0	0	3	12	11	0
	18	478	1011.6	—	46.3	3.7	7.5	71	7.2	0	5	4	17	4	0	0	0	0	1	1	1	8	17	2	0	0	12	17	1	1	0	1	0	2	15	9	1
Nottingham. Nottingham	9	215	1012.8	—	46.7	4.0	7.7	69	8.0	0	2	4	13	11	0	0	0	3	1	6	11	8	1	0	0	12	18	0	5	0	1	1	2	1	20	0	
Warwick. Birmingham H	7	542	1014.0	—	43.3	2.4	7.7	80	6.2	2	5	7	11	5	0	0	0	1	1	0	11	3	14	0	0	7	23	0	3	2	0	0	1	9	6	9	
	13	542	1013.8	—	50.5	5.5	7.9	63	7.5	0	0	7	19	4	0	0	0	0	1	1	5	1	22	0	0	18	12	0	3	0	0	1	1	7	8	10	
	18	542	1013.5	—	48.8	4.8	7.9	66	6.1	1	10	2	12	5	0	0	0	0	0	2	5	2	21	0	0	12	18	0	4	1	0	0	3	5	10	7	
Oxford. Oxford ...	9	212	1015.0	+0.1	47.7	4.1	7.9	70	6.2	1	8	5	8	8	0	0	0	1	0	2	3	7	15	2	0	12	16	2	3	1	0	1	2	6	8	7	
Hereford. Ross-on-Wye H	7	226	1014.4	—	43.7	2.6	7.7	79	5.7	3	9	2	8	8	0	0	1	0	0	2	1	9	17	0	0	8	19	3	3	0	1	0	0	7	10	6	
	13	226	1014.2	—	52.6	6.5	7.8	58	7.4	0	1	8	16	5	0	0	0	0	0	1	7	14	8	0	0	14	16	0	4	0	0	0	2	4	10	10	
	18	226	1013.9	—	50.0	5.2	8.0	65	7.2	0	6	2	15	7	0	0	0	0	0	0	3	6	13	8	0	8	22	0	4	1	0	0	2	5	10	8	
	21	226	1014.6	—	45.6	3.1	7.9	75	6.3	2	6	4	8	10	0	0	0	0	0	1	5	7	10	7	0	7	22	1	4	1	2	0	0	8	12	2	
Gloucester. Cheltenham H	9	230	1015.1	—	48.0	4.6	7.6	67	6.1	0	10	6	5	9	0	0	0	0	0	1	8	21	0	0	0	1	29	0	3	1	0	0	2	2	11	11	
	21	230	1014.6	—	47.3	3.3	8.4	75	7.3	6	1	2	1	20	0	0	0	0	0	3	8	19	0														

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of APRIL, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																	
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.												
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calim.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
5. ENGLAND, S.E.—cont.																																								
Kent.	Biggin Hill ...	7	616	1013.7	—	42.3	2.0	7.7	84	6.6	2	6	3	8	11	0	0	0	0	0	1	13	15	1	0	1	12	14	3	1	2	0	2	0	13	7	2			
		13	616	1014.0	—	51.0	6.4	7.3	58	7.8	0	3	2	18	7	0	0	0	0	0	0	2	12	12	4	0	0	15	14	1	3	2	0	0	2	8	8	6	6	
		18	616	1013.7	—	49.6	5.2	7.8	65	7.2	0	4	5	14	7	0	0	0	0	0	3	12	14	1	0	0	14	15	1	2	1	0	0	1	10	10	5	5		
Kent.	Dungeness ...	1	21	1013.2	—	45.2	1.4	9.0	89	5.9	7	1	6	6	10	0	0	0	0	1	1	2	15	11	0	0	10	20	0	3	1	0	1	3	9	6	7	6		
		7	21	1013.9	+0.2	45.8	2.0	8.9	84	6.6	3	1	10	7	9	0	0	1	2	0	0	4	15	8	0	0	11	19	0	2	2	0	0	2	5	7	6	6		
		13	21	1014.6	—	51.4	3.9	9.3	73	7.3	1	2	5	13	9	0	0	0	0	0	1	18	10	1	1	1	12	17	0	3	1	1	1	1	15	5	3	3		
Kent.	Lympne ...	1	343	1013.4	—	43.1	1.5	8.3	87	5.9	8	1	3	10	8	0	0	2	0	0	0	9	12	7	0	0	15	14	1	3	0	0	1	7	7	5	6	6		
		7	343	1013.9	—	43.4	1.6	8.4	87	5.8	2	8	5	10	5	0	0	0	0	1	3	11	9	6	0	0	15	15	0	4	0	0	1	1	9	7	8	8		
		13	343	1014.4	—	51.4	5.1	8.6	66	7.2	0	3	6	15	6	0	0	0	0	0	7	8	15	0	0	0	22	8	0	3	0	0	5	7	5	6	4	3		
Sussex.	Brighton H	9	396	1015.0	—	48.1	3.8	8.2	72	6.2	3	7	5	1	14	0	0	0	0	0	3	11	13	3	0	0	3	27	0	1	1	0	0	3	7	7	11	11		
		9	48	1015.3	—	48.5	3.3	9.0	76	5.8	8	3	2	7	10	0	0	0	0	0	3	15	11	1	0	0	1	28	1	4	3	1	0	3	11	2	5	5		
		9	174	1014.1	—	49.1	3.8	8.6	73	5.7	4	7	2	12	5	0	0	0	0	1	1	1	20	7	0	0	9	21	0	3	4	1	2	1	7	7	5	7		
Sussex.	St. Leonards	21	174	1014.4	—	46.6	2.8	8.7	79	5.0	8	7	2	5	8	0	0	0	0	0	1	0	22	7	0	0	3	27	0	2	2	1	1	0	8	9	7	7		
		9	80	1015.6	—	49.4	3.6	8.7	73	5.0	0	14	6	4	6	—	—	—	—	—	—	—	—	—	—	—	0	6	24	0	3	4	2	1	1	4	12	3		
		15	80	1015.1	—	52.5	4.7	9.4	69	5.5	1	9	8	5	7	—	—	—	—	—	—	—	—	—	—	—	0	9	21	0	2	0	0	2	1	8	14	3		
Hampshire.	Calshot H	1	15	1014.4	—	44.7	1.7	8.7	86	5.2	7	6	2	8	7	0	0	0	0	0	3	12	15	0	0	11	16	3	2	0	0	0	1	5	13	6	6			
		7	15	1015.2	—	44.6	2.1	8.3	83	6.5	1	6	6	6	11	0	0	2	0	0	0	3	14	11	0	0	12	15	3	4	2	1	0	1	3	9	7	7		
		13	15	1015.5	—	53.6	6.0	8.5	62	7.1	0	4	5	15	6	0	0	0	0	0	3	11	16	0	0	22	7	1	3	0	1	1	2	12	3	7	7			
Hampshire.	Southampton H	9	84	1016.3	+1.4	47.5	3.1	8.6	76	5.8	1	8	7	7	7	0	0	1	0	1	5	23	0	0	0	4	26	0	1	3	1	2	1	2	2	9	11	11		
		21	84	1016.3	+1.6	48.2	3.0	8.9	77	6.2	4	4	7	2	13	0	0	0	2	1	9	18	0	0	0	10	20	0	1	1	0	2	3	6	10	7	7			
		7	256	1014.3	—	42.5	1.0	8.6	91	6.4	3	7	2	7	11	0	0	0	1	0	0	9	14	6	0	0	6	18	6	0	2	0	0	1	3	11	7	7		
Hampshire.	S.Farnborough	13	256	1013.9	—	54.4	5.9	9.2	64	7.7	0	3	5	15	7	0	0	0	0	1	2	9	18	0	0	12	18	0	3	1	1	1	2	3	12	7	7			
		18	256	1014.2	—	51.0	4.1	9.3	73	6.6	1	6	3	16	4	0	0	0	0	0	2	10	18	0	0	7	19	4	1	1	0	0	2	4	13	5	5			
		7	273	1014.8	—	42.8	1.8	7.9	84	6.4	1	9	4	4	12	0	0	2	0	0	0	5	19	4	0	0	4	19	7	2	0	1	0	2	7	6	5	6		
Hampshire.	Winchester (Worthy Down)	13	273	1014.9	—	52.6	6.1	8.0	60	7.1	0	3	9	11	7	0	0	0	0	0	1	10	18	1	0	19	10	1	1	0	0	0	4	8	8	8	8			
		18	273	1014.6	—	50.2	4.7	8.3	67	7.0	0	8	2	11	9	0	0	0	0	0	4	7	18	1	0	12	17	1	3	0	0	2	5	4	9	6	6			
		9	444	1015.3	—	47.0	3.3	8.3	75	7.1	0	5	6	11	8	0	0	0	0	1	0	1	3	24	1	0	17	13	0	7	2	0	2	1	3	8	7	7		
Wilts.	Larkhill H	13	444	1014.9	—	51.3	5.2	8.4	65	7.5	0	4	4	14	8	0	0	0	0	0	3	27	0	0	0	26	4	0	4	1	1	0	3	4	10	7	7			
		15	444	1014.5	—	52.0	5.3	8.6	65	7.3	0	3	6	14	7	0	0	0	0	0	6	20	4	0	0	24	6	0	3	1	0	1	3	3	10	9	9			
		9	444	1015.3	—	47.0	3.3	8.3	75	7.1	0	5	6	11	8	0	0	0	0	1	0	1	3	24	1	0	17	13	0	7	2	0	2	1	3	8	7	7		
7a. ENGLAND, N.W.																																								
Cumberland.	Aspatria (Mealsgate)	9	485	1012.3	—	43.8	2.9	7.5	76	7.9	0	3	7	3	17	—	—	—	—	—	—	—	—	—	—	—	0	2	26	2	1	6	0	2	0	13	6	3		
		21	485	1011.2	—	41.6	1.6	7.8	86	6.0	7	5	2	1	15	—	—	—	—	—	—	—	—	—	—	—	0	0	27	3	1	1	0	1	2	10	7	5		
Lancashire.	Hutton ...	9	86	1012.8	—	46.3	1.8	9.1	86	7.7	0	5	4	8	13	—	—	—	—	—	—	—	—	—	—	0	8	19	3	2	0	1	1	1	3	11	8	8		
Lancashire.	Southport H	9	42	1013.5	-0.8	46.4	3.0	8.3	77	6.5	0	8	6	5	11	0	0	0	0	0	5	1	4	20	0	0	25	3	2	3	1	0	1	1	3	12	7	8		
		13	42	1013.6	-0.6	49.2	3.8	8.8	72	6.0	1	10	3	6	10	0	0	0	0	0	2	2	24	0	0	1	24	5	0	0	1	1	1	1	2	16	6	6		
		17	42	1012.9	-0.7	48.5	3.6	8.7	74	7.2	0	7	3	5	15	0	0	0	0	0	3	1	1	25	0	0	1	22	7	0	0	1	1	1	1	4	16	6		
Lancashire.	Stonyhurst	21	42	1013.3	-0.9	45.4	2.4	8.5	81	7.4	2	4	4	4	16	0	0	0	0	0	6	3	2	19	0	0	23	6	1	2	2	0	0	1	5	11	8	8		
		9	381	1013.1	—	44.8	2.9	7.8	77	8.0	0	1	7	9	13	0	0	0	0	0	6	11	13	0	0	16	14	0	4	2	0	0	0	1	12	11	11			
		21	381	1013.1	—	43.0	1.9	7.9	84	6.6	1	9	1	6	13	0	0	0																						

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (i.e., snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director.

South Kensington, S.W.7, May 25th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " " 550 "
3	" 550 " " " 1,100 "
4	" 1,100 " " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " " 6¼ "
7	" 6¼ " " " 12½ "
8	" 12½ " " " 31 "
9	" 31 " " " "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV, also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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MAY, 1927: COOL IN THE NORTH; WARM AND SUNNY IN THE SOUTH. RELATIVELY DRY MOST DISTRICTS.

General.—Fine weather with moderate day temperatures prevailed generally on the first day of the month; from the 2nd to the 4th conditions were unsettled with much rain in the northern and western districts and widespread thunderstorms on the 4th. In the eastern and southern districts fairer, warmer weather prevailed and by the 7th had extended to the northern districts; day temperatures between 70°F. and 80°F. occurred in many parts, 80°F. being recorded at Mountmellick on the 7th and at Colmonell on the 8th. Thunderstorms occurred locally on several days and amongst the larger rainfall measurements were 66mm. (2.58 in.) at Aasleagh (Mayo) on the 1st and 31mm. (1.23 in.) at Edinburgh on the 4th.

On the 10th the wind temporarily became more northerly and a sharp fall in temperature ensued; thus at Sheffield the maximum temperature on the 9th was 69°F. and on the 10th did not exceed 48°F. Some sleet was experienced on the north-east coast on the morning of the 13th. A moderate recovery in temperature associated with south-westerly winds occurred about the 15th, while rain was fairly general from the 14th to the 16th.

A belt of high pressure subsequently extended across the British Isles giving for a few days fine sunny weather with temperature rising to nearly 70°F. in some cases, but there was a renewal of unsettled conditions, with rain locally, by the 20th. Heavy rain again occurred on the 23rd when 41mm. (1.61 in.) were measured at Ford (Argyllshire) and 38mm. (1.50 in.) at Dungeon Ghyll (Westmorland) on the 23rd. After this the weather was mainly fair until the end of the month, with local showers and cool northerly winds, a sharp brief fall in temperature occurring in most districts on the 27th or 28th. In the south temperature varied a good deal, some high maxima being experienced on a few days, e.g., 77°F. at London (Camden Square and Greenwich) on the 24th, 74°F. at Southampton on the 25th and 71°F. at London (Camden Square) and South Farnborough on the 30th.

The character of the month is illustrated by the following remarks taken from observer's notes:—Southport—Generally dry weather predominated during May with an unusual prevalence of easterly and north-westerly winds. Huddersfield (Oakes)—Cool and rather dry. Copdock—Brilliant weather with three or four warm days prevailed during the first week after which, though the month remained dry, there were many days which were dull and cold. Winds were light and largely from a northerly quarter. Littlehampton (Sussex)—The outstanding features of the weather of the month were the abundant sunshine and the low rainfall. Newport (Isle of Wight)—A very dry and fine month. Falmouth—May has had less rainfall only twice, 3.3mm. in 1876 and 0.5mm. in 1896. Cork—Light variable winds. Rainfall confined almost entirely to first half of month.

Pressure and Winds.—Pressure on the whole was relatively high over the British Isles, the mean monthly pressure being above the normal at all stations. Winds were mainly moderate to light, there being an almost complete absence of gales; only two stations amongst those equipped with anemographs recorded a gale, viz., Fleetwood and Southport on the 21st; during the gale the highest velocity attained by the wind in a gust was 51 mi./hr. at the former station and 50 mi./hr. at the latter station. There was a considerable frequency of winds between north-west and north-east.

Temperature.—May, on the whole, was cool in the northern districts and warm in the southern districts. The largest excess relative to the normal, viz., 2.1°F., occurred in the Channel Isles (mean temperature 55.1°F.) and the largest deficit, 2.5°F. in Scotland E. (mean temperature 45.7°F.). For the British Isles as a whole the mean temperature for the month was 50.7°F. and was 0.1°F. above the normal. The warmest days of the month occurred generally during the period May 4th to the 9th during which unusually high maximum temperatures were recorded. Low day temperatures occurred generally on the 10th and 11th and on the 27th or 28th. There were frequent occurrences of ground frost, the frost which occurred during the night of April 30th to May 1st

being notable for its unusual severity so late in the season; at Braemar the temperature in the screen during the night of April 30th to May 1st fell to 16°F. A minimum temperature of 14°F. on the grass was recorded at Greenwich and Eskdalemuir during the night of April 30th to May 1st.

The extreme temperatures for the month were:—(England and Wales) 79°F. at Wye on the 4th, 79°F. at Colwyn Bay, 79°F. at Aberystwyth and 79°F. at Killerton on the 7th, 21°F. at Houghall on the 1st. (Scotland) 80°F. at Colmonell on the 8th, 16°F. at Braemar on the 1st. (Ireland) 80°F. at Mountmellick on the 7th, 26°F. at Dublin (Glasnevin) on the 1st.

Precipitation.—May was relatively dry over the British Isles regarded as a whole. In all districts of England and Wales and Ireland monthly totals were much below the normal, the deficiency being most pronounced in some eastern and south-western districts of England; at Plymouth Hoe rain of measurable amount fell on 8 days during May, the total for the month amounting to only 19 per cent. of the normal. There were only five days with precipitation amounting to 0.2mm. or more at Portland Bill, Exmouth and Cambridge.

In Scotland areas of moderate excess of precipitation occurred in the Spey Valley and in the Loch Fyne and Firth of Clyde region; in most other districts there was a well-defined deficiency. Some central and southern districts were practically rainless after the 16th. At Edinburgh more than half the month's total was accounted for by a fall of 31mm. (1.23 in.) on the 4th.

The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881–1915 was 69; the values for the constituent countries were:—England and Wales 56, Scotland 100, Ireland 65.

Thunderstorms occurred locally on various dates, those which occurred on the 4th affecting a very large area of the country and in some parts the lightning and heavy rain which accompanied the storm were responsible for damage to buildings and to farm and garden crops. The observer at Keswick reported the occurrence of a thunderstorm there on the 7th which he states was very violent between 18h. 30m. and 19h. 30m. with almost continuous thunder and lightning but only slight rain.

Some snow or sleet occurred at a few stations. Melting of the snow which had accumulated in the hills at the end of April and the rains of the early days of May caused flooding of the Perthshire rivers.

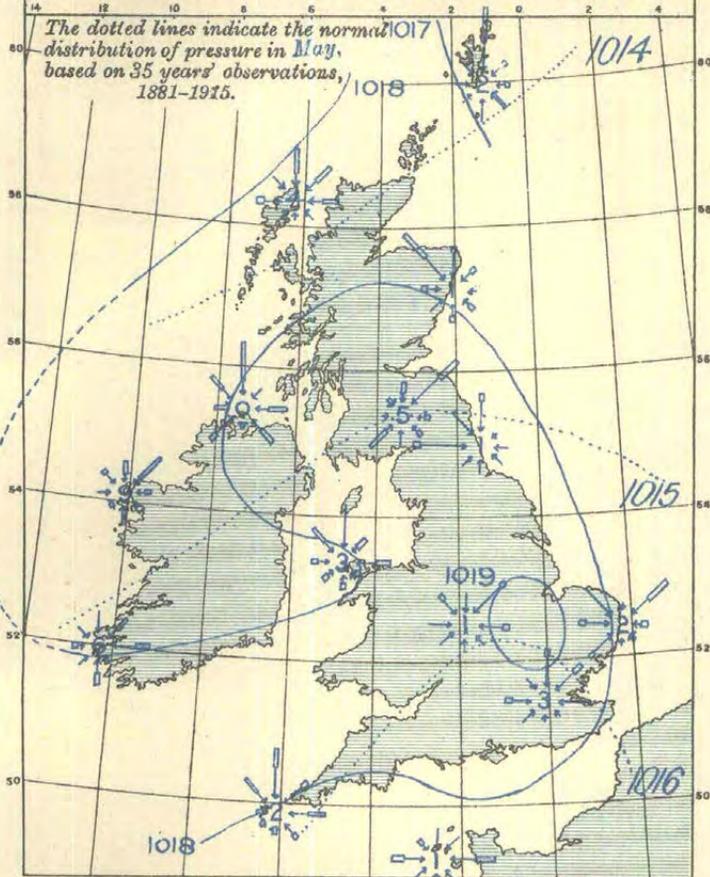
Sunshine.—Many bright periods occurred during the month notably in the east and south-east of England and in the west of Scotland, where sunshine aggregates exceeded the normal. In Scotland N. and E., England N.E., the Midland Counties and Ireland S. sunshine aggregates were below the normal; in the remaining districts they were about normal. The deviation of the mean daily duration of sunshine from the normal varied from +1.20 hr. in England S.E. (mean daily duration, 8.10 hr.) to -1.45 hr. in Scotland E. (mean daily duration, 4.31 hr.). More than 10 hours sunshine was recorded on 16 days at Lympne and Southend and on 15 days at Margate. At Aberdeen the month was the cloudiest May for at least forty years and its sunshine aggregate of 105 hours was in striking contrast with 270 hours at Trec and 237 hours at Turnberry.

Fog.—Coastal fog occurred on various dates, mostly between the 4th and 9th.

Miscellaneous Phenomena.—Halos of 22° were observed at several places on various dates. Parhelia were observed at Armagh and Oxford on the 19th. Aurora was observed at Edinburgh on the 4th and 5th, at Gordon Castle on the 9th, at Baltasound on the 1st and 8th and at Tenbury on the 19th. At Lerwick a diffuse auroral glow was observed on the 3rd and a bright auroral glow on the night of the 5th to 6th.

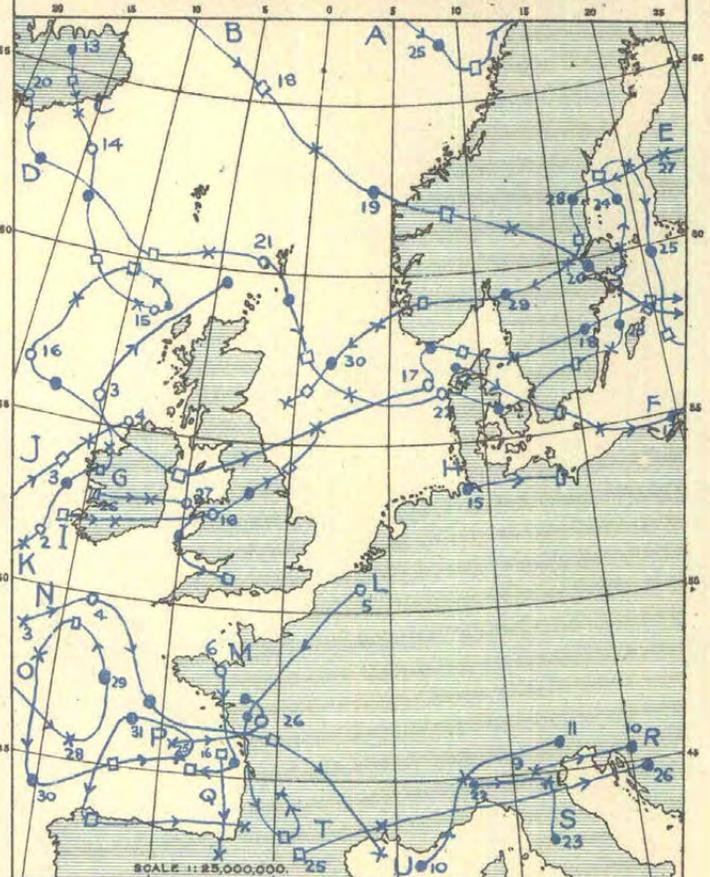
1. WIND AND MEAN PRESSURE. 7 A.M.

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



WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT TO STRONG GALE 30 OBS 1 mch 4

2. MOVEMENTS OF DEPRESSIONS.

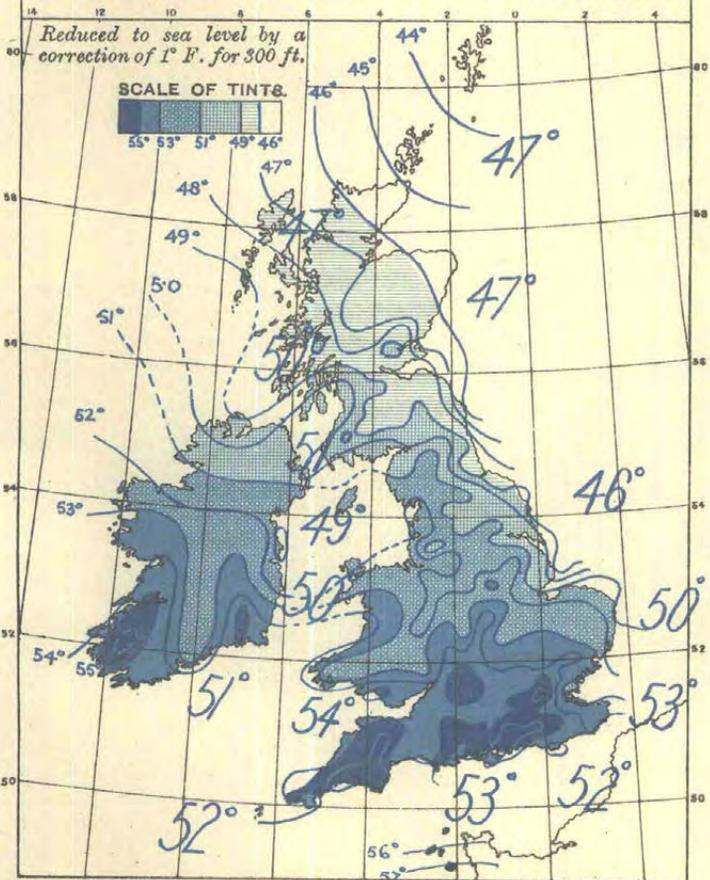


Positions of centres are shown thus: ○ at 1hr; ◐ at 7h; ◑ at 13h; X at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

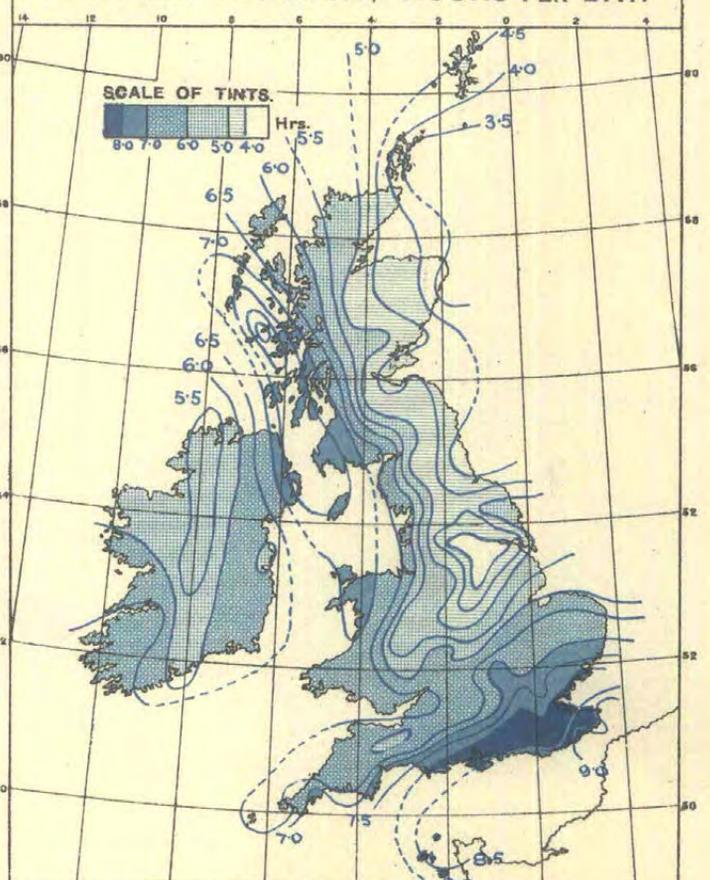
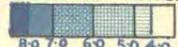
SCALE OF TINTS.



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

4. BRIGHT SUNSHINE, HOURS PER DAY.

SCALE OF TINTS.



* The pressure is expressed in millibars.

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, AND OF WEATHER OBSERVATIONS, MAY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.						WEATHER. Number of days.						BRIGHT SUNSHINE.								
			Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.								
			A	B			Maximum.	Date.	Minimum.					Date.	Amount.													Date.							
			Max.	Min.	Rain.	Max.	Min.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.								hr.	hr.	%						
4. MID. COUNTIES—cont.																																			
Warwick.	Birmingham	18-7	7	535	60.4	43.5	51.9	+0.1	72	7th	35	1st	47.7	47.0	1.96	50	-4	13	15th	11	10	0	0	0	0	1	2	5	10	0	0	4.20	-0.70	27	
	B'ham, Sparkhill	7 13	7	424	63.1	42.3	52.7	—	74	4th	31	1st	—	—	1.79	45	—	15	15th	10	10	0	0	0	0	1	2	4	4	0	0	5.14	-0.70	33	
	Coventry	9 9 9	9	270	62.9	43.8	53.3	+0.6	74	7-9	35	1st	53.5	49.6	1.43	36	-15	13	4th	11	8	0	0	0	0	1	1	1	1	4	0	0	5.26	—	34
	Leamington Spa	9 9 9	9	165	62.5	43.9	53.2	—	73	7, 8	34	1st	57.0	52.2	0.99	25	—	10	4th	11	6	0	0	0	0	1	1	1	1	4	0	0	—	—	—
	Rugby	2121	9	390	62.2	41.2	51.7	—	74	4, 7-9	32	29th	—	—	0.81	21	—	76	15th	10	6	—	—	—	—	—	—	—	—	—	—	—	—	—	
Oxford.	Leaffield	18-7	7	612	60.9	42.4	51.7	—	71	7, 8	30	1st	—	—	1.38	35	—	10	16th	12	6	0	0	0	0	1	1	5	0	0	6.59	-0.69	42		
	Oxford	9 9 9	9	208	63.7	44.2	53.9	+1.1	75	7th	30	1st	55.3	51.1	0.85	22	-26	6	26th	9	7	0	0	0	1	2	0	5	0	0	6.95	+0.69	45		
	Oxford (Sandford)	9 9 9	9	210	64.0	43.3	53.7	—	76	8th	28	1st	—	—	1.05	27	—	8	16th	9	8	0	0	0	0	2	0	10	0	0	6.56	—	42		
Bucks.	Mursley	9 9 9	9	490	61.5	42.4	51.9	—	73	4th	32	1st	52.3	51.8	1.29	33	—	15	4th	10	6	0	0	0	1	3	—	4	0	0	7.29	—	47		
	Mayfield	9 9 9	9	374	59.9	40.4	50.1	—	71	4, 7	30	28th	—	—	1.52	39	—	14	15th	11	9	0	0	0	1	1	0	5	0	0	5.31	—	34		
Shropshire.	Roden, Well'n	9 9 9	9	207	61.3	39.9	50.6	—	73	7th	30	1, 28	—	—	0.99	25	—	8	15th	12	7	0	0	0	1	—	—	—	—	—	—	—			
	Wellington	9 9 9	9	259	61.2	42.2	51.7	—	75	7th	33	1, 28	—	—	1.27	32	—	8	15th	11	8	0	0	0	1	—	—	—	—	—	—	—			
	Wistanstow	2121	9	481	60.9	39.8	50.3	-1.3	73	7th	31	1st	—	—	1.12	29	-30	8	15th	10	7	0	0	0	0	1	2	—	—	—	—	—			
Worcester.	Malvern	9 9 9	9	377	61.5	45.0	53.3	—	73	7, 8	36	1st	53.9	50.5	1.37	35	-20	9	15th	12	5	0	0	0	1	0	1	0	0	6.09	—	39			
	Tenbury	9 9 9	9	313	62.8	42.0	52.4	+0.5	74	7th	32	1st	53.1	—	1.31	33	-9	13	15th	10	7	0	0	0	3	—	—	—	—	—	—				
	Worcester (Perdiswell)	9 9 9	9	95	62.2	42.4	52.3	—	74	7, 8	29	1st	—	—	1.48	38	—	9	15th	11	6	0	0	0	2	—	—	—	—	—	—	—			
Hereford.	Bromyard	9 9 9	9	392	61.6	42.1	51.9	—	72	7th	32	23rd	53.7	49.6	1.55	39	—	10	15th	13	7	0	0	0	1	1	2	0	0	—	—	—			
	Hereford	9 9 9	9	291	62.2	42.5	52.3	-0.1	73	8, 24	33	1st	—	—	1.02	26	-29	8	16th	7	6	0	0	0	1	0	14	0	0	—	—	—			
	Ross-on-Wye	18-7	7	223	62.5	43.9	53.2	-0.1	73	7, 8	34	1, 23	54.5	51.5	0.95	24	-30	6	4th	12	6	0	0	0	0	1	6	0	0	6.03	—	39			
Gloucester.	Cheltenham	2121	9	214	63.6	45.3	54.5	+2.0	76	7th	35	1st	55.2	52.3	1.33	34	-13	8	5th	13	8	0	0	0	1	0	1	0	0	6.02	—	39			
	Clifton	9 9 9	9	225	62.5	46.6	54.5	+0.4	77	8th	40	1, 11	—	—	1.27	32	-21	10	15th	10	8	0	0	0	0	0	0	0	0	6.19	-0.68	40			
	Over Court	9 9 9	9	147	63.0	44.6	53.8	—	70	7, 8	36	1, 29	—	—	1.19	30	—	9	15th	11	8	0	0	0	0	0	0	0	0	—	—	—			
5. ENGLAND, S.E.																																			
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.29	+1.55	47	
	Camden Square	9 9 9	9	110	66.2	46.6	56.4	+1.3	78	6th	34	1st	54.4	50.0	1.29	33	-12	9	16th	10	6	0	0	0	1	—	—	—	—	—	—	—			
	East Ham	9 9 9	9	15	64.1	45.5	54.8	—	75	4th	33	1st	—	—	1.38	35	—	8	16th	10	9	—	—	—	—	—	—	—	—	—	—	—			
	Enfield	9 9 9	9	148	65.1	44.8	54.9	—	76	4th	30	1st	—	—	51.0	1.37	35	-10	8	6th	10	7	0	0	0	2	0	3	0	0	7.16	—	46		
	Greenwich	2424	9	149	65.9	43.4	54.7	+0.7	77	24th	30	1st	51.0	49.2	1.21	31	-13	8	5th	10	6	0	0	0	1	3	0	11	0	0	6.54	+0.07	42		
	Hampst'd Res.	2121	9	450	62.6	43.5	53.1	—	73	6th	33	1, 28	—	—	1.51	38	—	8	16th	10	8	0	0	0	1	2	—	—	—	—	—	—			
	Kensington	18-9	9	80	64.6	46.6	55.6	—	76	4, 6	34	1st	54.9	51.6	0.99	25	—	8	26th	9	5	0	0	0	1	1	3	0	0	7.40	—	47			
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Richmond (Key Obs.)	242424	18	*18	64.0	46.0	55.0	+1.6	75	6th	33	1st	54.7	51.6	1.09	28	-16	13	27th	7	5	0	0	0	2	0	6	0	0	7.68	+1.20	49			
	Stroud Green	18-7	7	212	64.7	45.3	55.0	—	76	6th	32	1st	—	—	1.33	34	—	8	16th	8	7	0	0	0	1	2	0	1	—	—	—	—			
	Tottenham	2121	9	51	65.2	45.8	55.5	—	76	6, 7	30	1st	—	—	52.7	1.56	40	—	7	16th	9	8	0	0	0	1	0	1	0	0	7.44	+0.82	48		
	Westminster	9 9 9	9	27	64.6	47.9	56.3	+2.2	75	4, 6	35	1st	—	—	1.35	34	-7	9	16th	10	7	—	—	—	—	—	—	—	—	—	—	—			
	Surrey	Addington	9 9 9	9	472	61.8	43.9	52.9	—	72	4, 6	32	1st	—	—	1.07	27	—	7	16th	9	6	—	—	—	—	—	—	—	—	—	—	—		
		Croydon Aero.	18-7	7	244	63.8	43.8	53.8	—	75	4, 6	27	1st	—	—	1.03	26	—	8	27th	9	5	0	0	0	2	3	0	8	—	—	—	—		
Wisley		9 9 9	9	150	65.5	43.9	54.7	+2.0	76	6th	28	1st	55.5	51.8	1.42	36	-3	7	26th	7	6	0	0	0	0	2	0	9	0	0	7.55	+0.90	49		
Kent.	Biggin Hill	18-7	7	597	60.6	43.7	52.1	—	73	4th	32	1st	—	—	1.48	38	—	9	27th	10	8	0	0	0	1	1	4	5	0	0	8.25	—	53		
	Bromley	9 9 9	9	213	63.6	44.2	53.9	—	76	4th	29	1st	—	—	1.32	33	—	10	5th	9	7	—	—	—	—	—	—	—	—	—	—				
	Canterbury	9 9 9	9	124	63.3	42.7	53.0	—	76	4th	25	1st	54.5	51.3	0.64	16	—	4	26, 27	6	5	—	—	—	—	—	—	—	—	—	—				
	Deal	9 9 9	9	25	60.7	45.8	53.3	—	74	24th	35	12th	54.9	51.8	0.46	12	—	4	27th	4	4	0	0	0	1	0	0	0	0	8.48	—	55			
	Dover	9 9 9	9	22	60.4	47.9	54.1	—	74	6th	36	12, 29	55.8	52.5	0.56	14	—	3	27th	8	6	0	0	0	0	0	0	0	0	8.39	—	54			
	Dungeness	18-7	7	20	59.3	47.1	53.2	+1.2	67	4th	33	12th																							

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, and of WEATHER OBSERVATIONS, MAY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.					
					A	B			Maximum.	Date.	Minimum.	Date.					Amount.	Date.										Daily Mean.	Deviation from Normal.	Per Cent.			
85. ENGLAND, S. W.—cont.																																	
Dorset—	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.												hr.	hr.	%		
Chatesbury	9 9 9	722	61.6	44.3	52.9	+1.5	73	6, 7, 8	35	1st	—	—	1.59	41	-13	10	26th	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	
cont. Weymouth	9 9 9	21	62.1	48.3	55.2	—	72	7th	30	1st	—	—	1.07	27	—	7	8th	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
Devon.																																	
Arlington	9 9 9	613	61.5	45.9	53.7	+2.8	73	8th	36	1st	—	—	2.06	52	-21	15	16th	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ashburton	9 9 9	583	62.8	47.3	55.1	+2.0	73	7th	40	1st	—	—	0.68	17	-51	6	16th	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cullompton	9 9 9	202	65.8	46.0	55.9	+3.0	78	7th	33	1st	57.6	—	0.60	15	-40	7	16th	12	6	0	0	0	0	0	0	0	0	4	5.70	-0.65	37		
Exmouth	9 9 9	195	60.9	47.7	54.3	—	72	7th	37	1st	—	—	0.35	9	—	3	16th	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ilfracombe	9 9 9	74	58.8	48.3	53.5	+0.5	70	7th	40	1st	56.0	53.1	0.85	21	-29	5	16th	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
Killerton	9 9 9	159	64.7	45.0	54.9	—	79	7th	35	12th	—	—	0.57	15	—	6	16th	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Newton Abbot	9 9 9	350	63.2	47.1	55.1	—	74	7th	38	1, 12	—	—	0.56	14	—	7	16th	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Paignton	9 9 9	11	61.7	49.0	55.3	—	69	5, 7	38	12th	—	—	0.39	10	—	4	3rd	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Plymouth	2121 9	116	62.2	49.3	55.7	+2.4	75	7th	40	12th	57.6	53.3	0.38	10	-43	4	16th	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(Hoe)	9 9 9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Plymouth (Cattewater)	18-7 7	82	60.9	49.4	55.1	—	74	7th	39	18th	—	—	0.38	10	—	4	16th	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sidmouth	9 9 9	147	62.1	46.8	54.5	+2.4	76	7th	37	1, 12	—	—	0.76	19	-31	7	3, 16	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tavistock	9 9 9	458	62.9	46.9	54.9	—	75	7th	36	12th	—	54.6	0.80	20	—	9	16th	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	
Teignmouth	9 9 9	19	61.6	49.8	55.7	+2.2	71	5th	41	12th	—	—	0.48	12	-35	5	3rd	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Torquay	9 9 9	12	62.0	50.0	56.0	+2.8	71	7th	42	1, 14	—	—	0.43	11	-37	5	3rd	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Woolacombe	2121 9	59	60.5	48.7	54.6	+1.8	75	7th	40	1st	—	—	0.58	15	-26	4	14th	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cornwall.																																	
Bude	9 9 9	49	61.2	46.8	54.0	—	78	7th	35	1st	56.4	52.6	0.93	23	—	11	16th	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Falmouth Obs	9 9 9	167	61.3	49.3	55.3	+2.9	69	7th	30	1st	58.6	55.2	0.64	16	-40	8	29th	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
(Pendennis)	18-7 7	200	58.9	49.4	54.1	—	66	27th	40	1st	—	—	0.47	12	—	7	29th	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fowey	9 9 9	51	62.8	48.2	55.5	—	72	7th	40	1st	—	—	0.61	15	—	6	16th	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gulval	9 9 9	20	61.9	48.5	55.2	—	69	27th	41	1, 14	—	—	0.82	21	—	6	3rd	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Newquay	9 9 9	190	60.0	48.0	54.0	+1.9	72	7th	37	1st	55.2	52.6	0.85	21	-21	16	16th	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Penzance	9 9 9	54	60.9	49.9	55.4	—	70	7th	41	1st	—	—	0.99	25	-31	8	3rd	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
Redruth	9 9 9	397	60.1	47.3	53.7	—	69	7, 25	37	1st	—	—	1.02	26	-33	7	3rd	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
9. IRELAND, N.																																	
Sligo. Markree Cas.	2121 9	122	59.9	41.4	50.7	+0.4	75	7th	28	30th	53.8	49.8	2.02	51	-20	14	8th	14	7	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mayo. Blacksod Pt.	18-7 7	10	57.1	47.2	52.1	+1.2	72	7th	37	1st	—	—	1.62	41	-31	11	14th	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mallary	9 9 9	120	59.5	45.9	52.7	—	76	7th	30	1st	—	—	2.03	52	—	15	2nd	11	7	—	—	—	—	—	—	—	—	—	—	—	—	—	
Donegal. Malin Head	18-7 7	51	52.3	44.4	48.3	-1.3	63	8th	31	1st	—	—	1.74	44	-6	11	2nd	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
Antrim. Aldergrove	18-7 7	238	58.5	41.5	50.0	—	75	7th	27	1st	—	—	1.26	32	—	9	2nd	9	9	1	0	0	0	0	0	0	0	0	0	0	0	0	
Belfast	9 9 9	13	59.3	44.7	52.0	—	72	8th	32	1st	—	—	1.83	47	—	16	2nd	8	8	—	—	—	—	—	—	—	—	—	—	—	—		
Lisburn	9 9 9	206	60.6	40.7	50.7	-0.1	72	8th	28	1st	—	—	1.66	42	-19	14	2nd	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
Down. Donaghadee	18-7 7	40	54.6	43.9	49.3	-0.8	61	8, 15	31	1st	—	—	1.51	38	-20	12	2nd	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	
Armagh. Armagh	2121 9	204	59.6	42.1	50.9	+0.2	74	7th	32	1st	53.1	49.8	1.54	39	-22	15	2nd	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	
Longford. Newtownforbes	2121 9	161	60.4	42.8	51.6	—	75	7th	35	28th	52.8	49.5	1.55	39	—	9	1st	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
10. IRELAND, S.																																	
Dublin. Balbriggan	9 9 9	203	56.9	43.5	50.2	-0.1	67	24th	33	1st	53.3	51.1	1.09	28	-26	6	2nd	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
City	2121 9	54	58.9	46.2	52.5	-0.1	67	24th	34	1st	—	—	0.77	20	-32	7	2nd	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
Glacnevin	2121 9	55	59.2	41.9	50.5	-0.1	69	24th	26	1st	—	—	0.81	21	-32	5	15th	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
Phoenix Pk.	2121 9	155	58.8	41.3	50.1	+0.2	69	24th	28	1st	—	—	0.76	19	-34	6	15th	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trin. Coll.	2121 9	12	57.2	45.9	51.5	-0.3	63	23, 24	31	1st	53.4	50.7	0.71	18	-31	6	2nd	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wicklow. Newcastle	2121 9	256	57.8	43.1	50.5	—	67	24th	35	1st	—	—	1.44	37	—	9	2nd	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
King's Co. Birr Castle	18-7 7	175	60.9	42.9																													

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Month of MAY, 1927.

DISTRICT, COUNTY AND PLACE	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.			POOR VIS.			MOD. VIS.			GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	10	11	12		
0. SCOTLAND, N.																																					
Shetlands. Lerwick ...	1	59	1016.7	—	41.8	1.7	7.7	85	7.5	0	4	6	9	12	0	0	0	0	1	0	1	10	19	0	0	4	24	3	11	3	1	2	3	2	3	3	
	7	59	1016.5	+2.8	43.3	2.1	7.7	83	7.5	0	1	12	11	7	0	0	0	0	1	0	1	2	27	0	0	10	19	2	10	3	2	3	4	2	2	3	
	13	59	1016.6	—	45.3	2.6	8.0	79	8.1	0	1	7	12	11	0	0	0	1	0	0	0	4	26	0	0	6	25	0	11	3	2	3	7	1	2	2	
	18	59	1016.6	—	44.7	2.4	8.2	81	8.0	0	2	5	13	11	0	0	0	0	0	0	0	9	22	0	0	7	24	0	10	4	2	3	4	3	3	2	
Orkneys. Deerness ...	9	165	1017.0	—	45.2	2.2	8.3	83	8.1	0	1	6	13	11	0	2	0	0	0	0	2	4	18	5	—	—	—	—	—	—	—	—	—	—	—	—	
	21	165	1017.7	—	43.4	1.6	8.1	87	8.2	0	3	2	11	15	0	1	0	0	0	0	1	6	21	2	—	—	—	—	—	—	—	—	—	—	—	—	
Hebrides. Stornoway ...	7	41	1017.9	+4.0	45.4	2.1	8.4	83	7.8	0	4	4	10	13	0	0	0	0	0	3	5	21	2	0	0	10	17	4	6	6	3	2	1	3	2	4	
	13	41	1017.9	—	50.1	4.0	8.8	73	7.5	2	3	2	11	13	0	0	0	0	0	4	4	19	6	2	0	11	18	2	5	8	3	2	4	1	2	4	
	18	41	1017.8	—	48.1	3.2	8.6	77	7.2	1	6	3	8	13	0	0	0	0	0	5	5	18	6	2	0	11	19	1	7	7	2	3	4	0	4	3	
	21	41	1017.9	—	44.5	1.8	8.7	85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	11	17	3	6	7	2	2	3	1	3	4	
Caithness. Wick ...	1	97	1017.9	—	41.5	1.0	8.0	91	7.6	0	4	4	11	12	0	1	0	0	0	0	5	25	0	0	3	28	0	4	3	2	2	2	4	5	9		
	7	97	1017.7	+3.6	43.5	1.4	8.3	88	7.9	0	3	3	13	12	0	1	0	0	0	0	3	27	0	0	5	26	0	5	5	1	1	4	5	3	7		
	13	97	1017.8	—	46.4	2.3	8.7	82	7.8	0	0	5	20	6	0	0	0	2	3	0	0	2	27	0	0	4	27	0	6	7	2	1	5	1	1	8	
Inverness. Inverness ...	9	250	1018.1	—	46.0	2.5	8.5	81	6.4	2	4	6	13	6	0	0	0	1	1	1	1	2	13	12	0	6	23	2	5	9	1	1	0	7	3	3	
	17	250	1017.2	—	49.4	3.5	8.8	74	5.8	1	7	9	11	3	0	0	0	0	0	1	3	13	14	0	13	17	1	4	16	0	0	0	3	3	4		
1. SCOTLAND, E.																																					
Nairn. Nairn ...	7	82	1017.8	+3.6	44.5	2.3	8.3	81	6.5	0	3	9	18	1	0	0	0	0	0	0	9	22	0	0	0	19	12	3	4	4	0	0	0	5	3		
	13	82	1017.6	—	51.2	4.1	9.1	71	6.5	0	1	13	16	1	0	0	0	0	0	0	4	26	1	0	1	25	5	4	8	5	1	0	0	5	3		
	18	82	1017.4	—	49.1	3.5	8.8	74	6.4	0	4	10	16	1	0	0	0	0	0	0	8	23	0	0	6	23	2	3	10	6	1	0	0	6	3		
Aberdeen. Aberdeen H	7	88	1017.8	+2.9	44.8	2.5	8.0	80	7.5	1	5	2	10	13	0	0	0	1	0	2	4	9	15	0	0	9	19	3	7	1	1	4	2	4	8		
	13	88	1017.7	+2.7	48.0	3.4	8.5	75	8.2	0	3	2	14	12	0	0	0	0	1	5	9	16	0	0	18	13	0	6	5	2	1	8	0	0	9		
	18	88	1017.4	+2.6	47.7	3.4	8.4	75	7.9	0	4	2	15	10	0	0	1	0	0	2	4	7	17	0	0	13	17	1	9	3	2	3	5	1	1	6	
	21	88	1017.8	+2.5	45.2	2.2	8.4	82	7.3	1	5	3	12	10	0	0	1	0	1	1	4	12	12	0	0	6	21	4	4	2	0	1	5	1	1	13	
Aberdeen. Braemar ...	9	111.4	1017.8	—	45.4	4.4	6.7	65	—	—	—	—	—	—	0	1	2	3	0	2	23	0	0	0	0	0	31	0	1	13	2	0	1	7	2	5	
	9	111.4	976.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Perth. Crieff ...	9	482	1017.8	—	48.1	4.0	8.0	70	7.3	0	7	4	7	13	—	—	—	—	—	—	—	—	—	—	—	0	8	23	0	8	0	7	1	1	0	12	2
	21	482	1017.3	—	46.4	3.2	7.9	75	7.3	2	4	4	7	14	—	—	—	—	—	—	—	—	—	—	—	0	3	28	0	4	1	8	1	1	0	10	6
Fife. Inchkeith ...	1	184	1018.0	—	44.6	1.9	8.6	85	6.8	2	4	6	13	6	0	1	1	0	0	1	2	18	8	0	4	26	1	4	2	10	1	3	2	6	2		
	7	184	1018.2	—	44.7	2.1	8.4	83	7.6	1	4	3	12	11	0	1	1	2	0	0	3	4	17	3	0	4	27	0	6	3	8	2	0	5	6	1	
	13	184	1017.8	—	49.5	3.4	8.9	75	7.5	0	4	5	12	10	0	1	0	0	0	2	5	20	3	0	3	27	1	1	3	12	0	2	4	7	1		
Fife. Leuchars H	18	184	1017.0	—	49.2	3.2	9.0	77	7.6	0	4	3	17	7	0	1	0	0	2	0	3	19	6	0	5	26	0	1	3	15	2	0	3	6	1		
	7	36	1018.3	—	45.6	2.6	8.3	80	7.4	1	5	3	9	13	0	0	0	2	1	2	9	17	0	0	0	27	4	3	3	2	2	1	6	5	5		
Fife. Leuchars H	13	36	1017.9	—	50.8	4.4	8.9	71	8.5	0	2	4	9	16	0	0	0	0	2	4	2	21	2	0	3	28	0	3	4	7	5	1	2	4	5		
	18	36	1017.3	—	49.6	3.3	9.2	77	7.9	0	4	3	12	12	0	0	1	0	0	2	0	6	21	1	0	4	26	1	1	4	8	7	2	2	3	3	
	9	441	1019.2	—	46.6	3.3	8.3	75	8.0	2	3	3	5	18	—	—	—	—	—	—	—	—	—	—	—	0	11	14	6	5	5	4	0	2	0	4	5
Edinburgh. Blackford Hill	21	441	1018.4	—	45.9	2.5	8.5	81	8.1	1	4	2	6	18	—	—	—	—	—	—	—	—	—	—	—	0	4	24	3	0	5	7	3	2	2	7	2
	6a. SCOTLAND, W.																																				
Argyll. Tiree ...	7	36	1017.8	—	48.2	2.4	9.4	82	6.2	2	5	9	4	11	0	0	0	0	0	2	6	3	13	7	0	14	17	0	8	4	3	4	4	2	2	4	
	13	36	1017.9	—	51.5	3.0	10.1	79	6.1	1	11	3	5	11	0	0	0	0	0	0	6	2	11	12	0	16	15	0	11	4	0	2	6	3	2	3	
	18	36	1017.5	—	51.0	3.0	10.1	79	4.3	5	12	4	4	6	0	0	0	0	0	2	7	2	3	17	0	13	18	0	9	6	2	1	2	1	5	5	
Bute. Rothesay ...	9	187	1018.6	—	48.9	2.7	9.5	80	7.5	0	2	10	7	12	0	0	0	1	2	2	5	10	9	2	0	8	23	0	2	12	4	2	1	1	2	7	
	21	187	1017.3	—	47.8	2.1	9.6	84	7.2	0	6	6	6	13	0	0	0	0	0	3	8	4	10	6	0	6	25	0	0	6	7	1	1	1	4	11	

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of MAY, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.											
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
5. ENGLAND, S.E.—cont.																																							
Kent.	Biggin Hill ...	7	616	1018.1	—	49.1	2.2	10.0	83	5.5	4	7	5	8	7	0	0	0	2	5	3	7	14	0	0	0	0	8	20	3	2	7	1	3	1	9	3	2	
		13	616	1017.7	—	58.7	6.5	10.7	63	6.8	2	4	7	11	7	0	0	0	0	0	0	0	12	13	6	0	0	12	19	0	3	10	3	3	0	6	3	3	
		18	616	1017.3	—	55.3	5.0	10.3	69	5.9	3	5	9	11	3	0	0	0	0	1	1	14	11	4	0	0	9	22	0	2	15	2	0	1	7	2	2		
Kent.	Dungeness ...	7	21	1017.9	—	49.8	1.8	10.7	87	4.5	11	2	5	9	4	0	0	0	0	1	0	4	6	20	0	0	8	22	1	3	11	7	4	1	0	4	3	1	
		13	21	1018.0	+2.6	52.2	2.7	10.7	81	5.8	6	1	9	10	5	0	0	0	0	0	0	7	11	13	0	0	5	25	1	1	10	4	4	1	4	3	3		
		18	21	1017.2	—	57.3	4.5	11.5	71	6.3	3	2	10	12	4	0	0	0	0	0	0	6	9	15	1	0	8	23	0	2	10	7	4	0	5	3	0		
Kent.	Lympe ...	1	343	1018.3	—	47.5	2.4	9.3	82	4.5	10	2	8	6	5	0	0	0	0	0	2	22	7	0	0	8	22	1	9	7	4	0	1	5	2	2			
		7	343	1018.1	—	50.6	2.7	10.3	81	5.4	4	7	4	11	5	0	0	0	0	1	2	11	9	8	0	0	7	24	0	5	9	3	2	1	4	3	4		
		18	343	1017.9	—	58.7	6.8	10.4	62	5.6	3	7	8	10	3	0	0	0	0	1	9	7	14	0	0	14	17	0	7	4	7	4	2	2	2	3	0		
Sussex.	Brighton H	9	396	1018.6	—	56.7	5.4	10.6	67	5.3	4	8	6	6	7	0	0	0	0	3	17	9	2	0	0	0	31	0	1	6	2	7	3	5	2	5			
		13	396	1018.3	—	55.6	4.2	11.3	73	4.4	7	7	7	8	2	0	0	0	0	0	9	21	1	0	0	0	31	0	8	3	0	6	5	6	0	3			
		18	396	1017.4	—	55.2	4.7	10.6	71	5.0	5	4	11	9	2	0	0	0	0	0	0	9	7	14	1	0	16	14	1	8	10	2	1	4	4	1	0		
Sussex.	St. Leonards	9	174	1017.8	—	56.4	5.4	10.2	66	5.0	4	7	7	8	5	0	0	0	0	1	5	16	9	0	0	5	26	0	1	9	6	5	1	4	2	3			
		21	174	1017.3	—	51.6	3.4	10.2	77	4.8	8	2	9	8	4	0	0	0	0	1	0	21	9	0	0	3	28	0	0	9	8	3	0	4	5	2			
I. of Wight.	Ventnor(Hosp.)	9	80	1018.1	—	56.8	7.6	8.6	55	5.1	1	13	5	4	8	—	—	—	—	—	—	—	—	—	—	0	5	26	0	3	3	9	4	0	2	8	2		
		15	80	1017.3	—	59.9	5.3	12.3	69	4.9	3	10	8	4	6	—	—	—	—	—	—	—	—	—	—	0	7	24	0	2	1	8	5	1	8	6	0		
Hampshire.	Calshot H	1	15	1018.2	—	50.7	2.3	10.7	84	4.2	9	7	2	11	2	0	0	0	0	0	1	17	13	0	0	7	24	0	4	7	7	2	0	3	5	3			
		7	15	1018.2	—	52.1	3.0	10.5	79	5.5	4	7	5	10	5	0	0	0	0	1	14	11	5	0	0	9	20	2	7	8	4	2	1	3	1	3			
		18	15	1017.8	—	60.8	6.6	11.7	64	6.1	2	6	5	13	5	0	0	0	0	0	0	6	13	12	0	0	19	11	1	1	3	3	9	2	8	1	3		
Hampshire.	Southampton H	9	84	1019.7	+3.5	55.1	4.2	10.9	73	4.4	5	6	11	4	5	0	0	0	0	2	24	5	0	0	0	4	26	1	4	9	3	5	1	4	2	2			
		21	84	1018.7	+2.5	56.4	4.3	11.5	73	4.9	5	8	6	4	8	0	0	0	0	10	20	1	0	0	0	4	26	1	1	4	2	6	2	8	3	4			
		18	84	1017.1	—	58.0	5.0	11.5	70	5.6	4	5	7	11	4	0	0	0	0	0	5	18	8	0	0	17	13	1	3	3	3	8	0	7	4	2			
Hampshire.	S. Farnborough	7	256	1018.2	—	48.7	1.0	11.0	92	5.0	4	10	4	8	5	0	0	0	0	1	4	16	6	4	0	0	2	22	7	4	4	4	2	2	3	2	3		
		13	256	1017.5	—	62.9	6.6	12.9	65	5.7	1	5	12	10	3	0	0	0	0	0	9	13	9	0	0	9	22	0	4	7	5	2	4	4	4	1			
		18	256	1017.0	—	59.2	5.2	12.2	70	5.5	2	8	8	7	6	0	0	0	0	1	0	8	14	8	0	0	4	26	1	3	5	5	3	3	5	3	3		
Hampshire.	Winchester (Worthy Down)	7	273	1018.1	—	50.4	2.7	9.9	81	5.3	4	8	5	7	7	0	0	0	0	0	13	15	3	0	0	4	24	3	10	4	3	2	3	2	2	2			
		13	273	1017.3	—	61.0	7.9	10.3	56	6.7	1	4	4	17	5	0	0	0	0	0	6	12	13	0	0	8	20	3	3	6	4	2	3	3	4	3			
		18	273	1016.9	—	58.9	6.8	10.3	60	6.4	1	7	5	12	6	0	0	0	0	0	2	14	14	1	0	5	25	1	4	7	1	3	7	1	4	3			
Wilts.	Larkhill H	9	444	1018.0	—	54.6	4.1	10.9	74	6.3	2	5	7	8	9	0	0	0	0	1	1	10	18	1	0	12	19	0	3	9	5	3	3	2	3	3			
		13	444	1017.2	—	60.5	6.1	11.9	65	6.2	1	4	8	12	6	0	0	0	0	1	10	20	0	0	17	14	0	4	7	5	2	2	3	3	5				
		15	444	1016.9	—	60.9	6.4	11.9	65	6.6	0	5	7	13	6	0	0	0	0	3	5	23	0	0	17	14	0	5	7	5	2	4	3	3	2				
7a. ENGLAND, N.W.																																							
Cumberland.	Aspatria (Mealsgate)	9	485	1017.4	—	48.9	3.6	8.7	73	6.8	3	4	7	2	15	—	—	—	—	—	—	—	—	—	—	0	0	26	5	7	6	1	2	2	6	1			
		21	485	1017.9	—	47.2	2.3	9.1	82	6.4	6	4	4	0	17	—	—	—	—	—	—	—	—	—	—	0	0	25	6	2	3	1	7	3	3	2	4		
Lancashire.	Hutton ...	9	86	1018.0	—	53.2	3.7	10.3	75	6.2	6	4	2	7	12	—	—	—	—	—	—	—	—	—	0	3	14	14	1	1	5	1	1	0	4	4			
Lancashire.	Southport H	9	42	1018.4	+2.4	53.4	4.6	9.8	70	6.0	0	9	7	6	9	0	0	0	0	12	6	2	11	0	0	14	15	2	1	0	7	5	1	1	7	7			
		13	42	1018.0	+2.2	56.9	6.1	10.1	64	6.4	2	6	4	10	9	0	0	0	0	8	3	2	18	0	0	20	11	0	3	1	6	1	3	0	9	8			
		17	42	1017.4	+2.0	55.5	5.1	10.4	69	6.6	2	7	3	5	14	0	0	0	0	10	3	2	16	0	0	18	11	2	2	2	7	0	2	2	6	8			
Lancashire.	Stonyhurst	9	381	1018.2	—	51.4	3.3	9.8	77	6.8	5	0	7	8	11	0	0	0	0	0	14	11	6	0	0	7	24	0	4	5	7	2	1	2	8	2			
		21	381	1018.5	—	48.5	1.7	10.3	87	7.6	2	4	3	6	16	0	0	0	1	0	2	19	9	0	0	4	25	2	1	6	6	1	0	4	5	6			
		18	381	1017.9	+1.9	50.1	2.6	10.2	81	6.4	4	7	3	2	15	0	0	0	0	15	5	2	9	0	0	18	1												

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director.

South Kensington, S.W.7, June 25th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE	RANGE OF VISION.	
0	Less than 55 yards.	
1	Exceeding 55 yards, less than 220 yards	
2	220 "	550 "
3	550 "	1,100 "
4	1,100 "	1½ miles
5	1½ miles	2½ "
6	2½ "	6½ "
7	6½ "	12½ "
8	12½ "	31 "
9	31 "	

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV. also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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JUNE, 1927: VERY COOL, MUCH HEAVY RAIN AND HIGH WINDS DURING LAST TWO WEEKS.

General.—Cool, rather unsettled weather with local thunderstorms during the first ten days, generally fair weather from the 11th to the 15th and very unsettled weather with local thunderstorms, heavy rain and high winds subsequently were the main features of the weather of June.

During the first two days of the month, pressure was low to the south and east of the British Isles; cool, cloudy weather with showers was experienced over the eastern districts, in the west the weather was fair. From the 3rd to the 8th a low pressure system was centered either over or near the British Isles and a changeable type of weather with bright periods and local heavy rain prevailed: 38mm. (1.48 in.) fell at Banbridge (Down) on the 7th. During the next two days, pressure was low over Scandinavia and an anticyclone was spreading over the country from the north-west; weather was changeable and cool but with considerable bright periods and not very much rain. From the 11th to the 15th and in eastern districts on the 16th, the weather was fair or fine generally but some low minimum temperatures for the time of year were recorded: on the night of the 14th to the 15th, the screen temperature at Castleton (Yorkshire) fell to 26°F. and a grass minimum temperature as low as 23°F. occurred at Rounton (Yorkshire); ground frosts were widespread during this period. The 16th was a very warm day in south-eastern England when temperature rose above 80°F., the highest maximum 85°F. occurring in London.

From the 16th onwards the character of the weather changed to a more disturbed type. Depressions moving across the country were accompanied by high winds and heavy rain at times. Gales were experienced on the 16th, 18th, 21st, 24th, 25th and 26th the highest mean hourly velocity recorded by an anemometer being 54 m.p.h. at Dunfanaghy on the 21st. Thunderstorms were prevalent especially in the south and east of England from the 23rd to the 30th and were accompanied by some heavy falls of rain locally. The 30th was a fine day in the north of Scotland, Lerwick on that day had as much as 17.0 hours of bright sunshine.

The following remarks taken from observers' notes illustrate the character of the weather of the month:—Southport—A cold and unusually westerly June, bright to 15th much cloud and rain afterwards. Huddersfield—Very low mean temperature and excessive rainfall, much unsettled weather. Ampleforth—This month has been one of unusually heavy rainfall. The middle part of the month was fine and dry but rather cold due to the prevalence of north and north-west winds. West Kirby—Brilliant weather until mid-June then very stormy, cold and rainy with constant high winds or gales. Berkhamsted—June was rather cold, the first half of the month was fine and dry but the latter half was very wet and the month became the wettest June since 1910. Teignmouth—Generally fair to the 16th, then unsettled and rather cool with strong S.W. to N.W. winds reaching gale force at times. Falmouth—June has been remarkable for its excess of wind from a westerly quarter. Dublin—A cold cloudy, dull and rainy month save for a fine spell from the 10th to the 15th. Cork—A relatively, cold month with generally light winds and much cloud. Rainfall about normal but occurring frequently in small amounts.

Pressure and Winds.—The mean pressure for the month was everywhere decidedly below normal, the departure being as much as 7 millibars at Lerwick. The highest recorded pressure at a fixed hour was 1028 mb. at Guernsey on June 22nd, the lowest 989 mb. at Stornoway on June 19th. The prevailing winds were westerly. From the 16th to the 26th high winds and gales were widespread. On the 21st a westerly gale did considerable damage in some districts of Scotland. On that day a gust of 87 mi/hr. was recorded at Dunfanaghy and a gust of 71 mi/hr. at Paisley. Over England the 18th, 21st, 24th, 25th and 26th were the days of highest wind generally. On the 21st a gust of 58 mi/hr. was recorded at South Shields and one of 56 mi/hr. at Spurn Head; on the 25th a gust of 55 mi/hr. was recorded at Southport and on the 18th a gust of 54 mi/hr. at Penderennis.

Temperature.—A notable feature of the month was its relative coolness the greatest deficit, 4.5°F. occurring in Scotland E. (mean temperature 49.2°F.) and the smallest deficit 1.3°F. in the Channel Isles (mean temperature 56.4°F.). In Scotland the month was much the coldest June for at least 60 years and probably for a much longer period. For Edinburgh temperature records are available for comparison as far back as 1764 and during the period of fully 160 years no June has been so cold in Edinburgh as that of 1927.

An exception to the generally low temperatures occurred on the 16th and 17th and 18th. On the 16th maxima in England were above 75°F. generally at inland stations and in the neighbourhood of 70°F. at coast stations; the highest temperatures on this day occurred in and near London. In Scotland the 17th was generally the warmest day and at some stations temperatures of 70°F. or slightly above were obtained.

There were occurrences of ground frost in all Districts during the early part of the month and some remarkably low screen temperatures for the time of year were recorded. The coldest nights generally were the 9th to 10th, 13th to 14th and 14th to 15th.

The extreme temperatures for the month were:—(England and Wales) 85°F. at London (Greenwich and Camden Square) on the 16th, 26°F. at Castleton on the 15th; (Scotland) 74°F. at Inverness on the 17th and 28°F. at Balmoral on the 11th and 15th and at Logie Coldstone on the 15th; (Ireland) 72°F. at Killarney on the 14th, 32°F. at Lisburn on the 11th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881 to 1915 was 158; the values for the constituent countries were:—England and Wales 163; Scotland 165; Ireland 135.

More than twice the normal rainfall for the month was experienced in parts of south-east England, locally in the Midlands of England, in the centre of Wales and locally in south-west Scotland and west Ireland. Rainfall was almost everywhere in excess of the normal but on the south coast of Cork, in Meath and on the north coast of Devon, the rainfall was slightly below normal.

In Scotland, moderate rains were more or less general from the 1st to the 4th and on the 7th whilst the period from the 8th to the 14th was fine in western districts. On the 15th, rain commenced in the west of Scotland and on the 16th heavy falls were general with more than an inch over wide areas; at Aberfoyle on this day as much as 58mm. (2.30 in.) fell; on every day until the 22nd there were in most districts of Scotland further more or less heavy falls. Noteworthy rainfall was registered at Eskdalemuir on the 18th between 17h. and 18h. when 6mm. (0.23 in.) fell in 6 minutes and 9mm. (0.34 in.) in 10 minutes.

In England and Wales the greater part of the total rainfall for the month fell after the 15th; thus, of a total rainfall for the month of 117mm. (4.61 in.) at Keswick only 4.8mm. (0.19 in.) had fallen up to the 15th. Noteworthy falls were 48mm. (1.88 in.) at Chopwellwood on the 30th; 38mm. (1.50 in.) at Buxton on the 30th; 34mm. (1.33 in.) at Douglas on the 16th and at Tynemouth on the 30th.

In Ireland there was a dry period from the 10th to the 14th but rain fell at most stations on almost all other days the falls being generally heavier after the 14th than before the 10th. The heaviest falls of rain were 28mm. (1.11 in.) at Foynes on the 9th, 26mm. (1.02 in.) at Waterford on the 16th and 24mm. (0.93 in.) at Newcastle (Co. Wicklow) on the 16th.

Thunderstorms accompanied in many instances by hail were comparatively frequent especially in eastern England. At Bungay (Suffolk) thunder was heard on no fewer than 10 days of the month. Ball lightning is reported as having been seen at Harpenden (Herts.) on June 25th. A severe thunderstorm in the Thames Valley on June 26th was accompanied by a heavy fall of hail.

Snow fell on high ground in the north of Scotland early in the month and again around the 22nd. Sleet fell at Ushaw (Durham) on June 8th.

Sunshine.—The mean daily duration of sunshine was below normal except in Scotland N. and England N.E. England E. had the greatest deficiency relative to the normal for the District 1.10 hours (mean daily duration 5.76 hr.) and Scotland N. the greatest excess 0.18 hr. (mean daily duration 5.35 hr.). The first half of the month was generally more sunny than the latter half.

Fog.—There was very little fog during the month.

Miscellaneous Phenomena.—Halos of 22° were observed at many stations on various dates: a halo with contact arc was seen at Oxford on June 1st and parhelia on the 9th and 16th. Sun pillars were observed at Oxford on June 14th and at Paignton on June 3rd. Double rainbows were observed at Huddersfield on the 17th and at Calshot on the 26th.

TABLE I.—DISTRICT VALUES—JUNE, 1927.

[1908.]

DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (1-10).				PRESSURE. MEAN SEA LEVEL.						
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h 9h	13h 15h	17h 18h 21h	Highest	Date.	Lowest	Date.			
			Daily Max.	Daily Min.	** Ad-justed Daily Mean	Deviation from Normal.																			in.	mm.	mm.
0. SCOTLAND, N. ...	74	32	55.2	43.1	48.7	-3.7	—	—	—	—	—	—	3.65	93	+24	21	5.35	+0.18	29	7.5	7.1	7.4	6.9	1024	15	989	19
Eastern.																											
1. SCOTLAND, E. ...	71	28	56.6	42.7	49.2	-4.5	—	—	—	—	—	—	3.59	91	+37	21	5.79	-0.24	33	6.5	6.7	7.3	7.4	1025	15	992	19
2. ENGLAND, N.E. ...	80	26	60.4	45.7	52.5	-2.7	54.0	-3.6	51.0	-1.1	—	—	3.15	80	+28	17	6.34	+0.14	37	6.7	6.8	7.3	6.9	1026	15	991	26
3. ENGLAND, E. ...	80	33	63.1	48.4	55.2	-1.9	57.8	-2.6	54.4	-1.7	—	—	3.74	95	+44	19	5.74	-1.12	35	7.3	6.9	7.0	7.3	1025	15	993	26
4. MIDLAND COUNTIES ...	81	31	62.9	46.5	54.1	-2.7	54.8	-2.3	51.5	-0.7	—	—	3.20	81	+25	18	5.20	-1.00	31	—	6.9	7.8	7.3	1024	15	996	18
5. ENGLAND, S.E. ...	85	34	63.7	48.6	55.6	-2.1	58.7	-1.1	56.0	+0.4	—	—	3.28	83	+35	17	6.36	-0.84	39	5.3	6.9	7.7	7.3	1026	22	995	19
Western.																											
6. SCOTLAND, W. (& I. of Man)	69	30	58.4	44.0	50.7	-4.3	—	—	51.5	-2.1	—	—	4.29	109	+36	19	5.84	-0.35	34	—	7.1	7.6	7.5	1024	15	992	21
7. ENGLAND, N.W. (& N. Wales)	75	34	59.2	47.1	52.7	-3.3	55.6	-2.2	52.3	-1.3	—	—	3.61	92	+31	17	6.05	-0.46	36	5.4	7.4	6.7	7.5	1023	15, 22	997	18
8. ENGLAND, S.W. (& S. Wales)	76	33	61.8	48.7	54.8	-1.9	59.1	-1.7	55.6	-0.7	—	—	3.24	82	+22	16	6.37	-0.42	39	5.7	6.8	7.4	6.5	1027	22	997	30
9. IRELAND, N. ...	67	32	57.8	45.5	51.2	-3.8	56.2	-1.9	53.1	-0.5	—	—	3.24	82	+13	22	5.51	-0.93	32	5.5	7.1	6.9	6.7	1022	14	996	17, 21
10. IRELAND, S. ...	72	34	60.9	47.4	53.7	-2.9	55.9	-2.0	53.4	-1.1	—	—	3.59	91	+24	21	5.45	-0.54	33	—	7.5	7.7	7.4	1026	21, 22	998	17
11. CHANNEL I. (& Scilly)	76	47	61.3	52.2	56.4	-1.3	62.7	+2.1	59.4	+2.3	—	—	3.01	77	+32	17	7.42	-0.50	46	5.7	7.1	6.9	5.9	1028	—	999	30
Mean: DISTRICTS 1—10	85	26	60.5	46.5	53.0	-3.0	56.5	-2.2	53.2	-1.0	—	—	3.49	89	+29	19	5.87	-0.49	35	6.1	7.0	7.3	7.2	1027	22	991	—

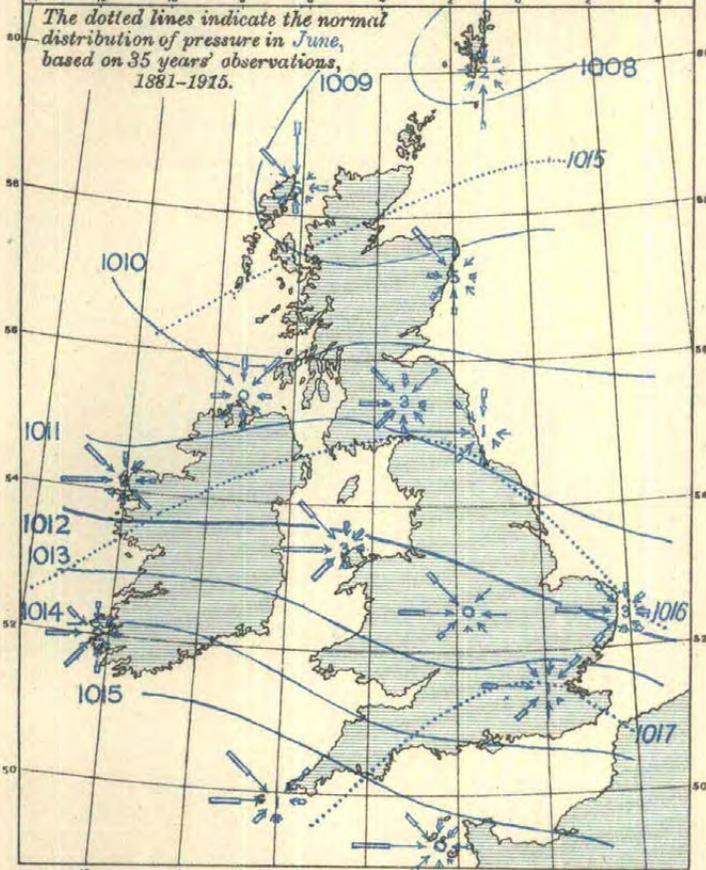
TABLE II.—SUMMARY of AUTOGRAPHIC RECORDS of WIND.—JUNE, 1927.

[1914.]

DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	—	0	6	52	243	342	83	0	340	32	14	26	17	45	20	14	17	5
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	7	65	196	327	27	105	160	36	16	16	11	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	70	42	33†	—	0	—	0	165	454	101	0	300	23	10	14	7	45	20	14	7	5
Kincardine Balmakewan ...	140	25	18	—	0	—	0	92	(424)	(203)	1	350	22	10	26	20	40	18	21	7	35
Edinburgh Edinburgh ...	485	39	31†	21	1	4	15	307	323	74	0	260	39	17	21	13	64	29	21	13	0
6a. SCOTLAND, W.																					
Argyll Tiree ...	80	55	48†	16	2	11	102	329	261	26	0	160	39	17	16	7	53	24	16	7	35
Renfrew Paisley ...	188	81	15	—	0	1	3	93	526	98	0	240	28	13	21	12	71	32	21	11	45
Dumfries Eskdalemuir ...	825	50	22	—	0	6	26	311	268	115	0	210	33	15	21	12	49	22	21	16	25
2. ENGLAND, N.E.																					
Durham South Shields ...	62	46	20	—	0	3	17	188	381	134	0	240	32	14	21	14	58	26	21	14	15
York, E.R. Spurn Head ...	67	42	35†	—	0	7	55	407	245	7	6	320	38	17	26	10	56	25	21	18	15
Lincoln Cranwell ...	284	44	26†	—	0	2	10	255	378	77	0	290	27	12	19	13	47	21	21	16	55
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	33†	—	0	4	8	275	385	52	0	170	30	13	19	1	46	21	19	4	55
Suffolk Felixstowe Aero. ...	55	40	25	—	0	4	15	271	(326)	(108)	0	190	32	14	18	24	46	21	18	23	45
Essex Shoeburyness ...	115	104	14†	—	0	3	8	276	352	84	0	210	33	15	24	9	54	24	19	2	5
4. MIDLAND COUNTIES.																					
Warwick Birmingham ...	643	118	18	—	0	—	0	176	481	63	0	330	22	10	26	8	45	20	26	12	30
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs)	82	65	22	—	0	—	0	169	465	86	0	220	23	10	24	8	38	17	24	13	10
Surrey Croydon ...	284	40	24	—	0	—	0	127	496	97	0	240	20	9	18	15	37	17	24	14	10
Kent Dover ...	61	32	22	24	1	6	30	289	269	63	68	—	39	17	24	12	57	25	24	12	50
Kent Lympne ...	409	70	55†	—	0	5	20	317	349	34	0	180	37	17	18	24	53	24	19	0	40
Hampshire Petersfield ...	811	42	34†	—	0	—	—	—	No Record	—	—	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' Tower	444	160	14	—	0	1	2	161	462	95	0	220	25	11	24	8	50	22	24	12	15
Hampshire Calshot ...	55	45	31†	—	0	8	57	413	(214)	(36)	0	230	37	17	18	22	49	22	18	21	45
Hampshire Worthy Down ...	314	43	27†	—	0	3	4	159	408	149	0	270	26	12	24	13	49	22	24	12	15
Wiltshire Larkhill ...	526	51	34†	—	0	8	58	413	(235)	(14)	0	270	38	17	24	12	47	21	24	11	35
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	112	50	12	25	1	11	108	323	229	59	0	270	39	17	25	24	49	22	25	23	10
Lancashire Southport ...	77	59	45†	25, 26	3	12	138	293	247	39	0	290	42	19	25	23	55	25	25	22	50
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	29†	26	1	10	61	331	264	63	0	290	39	17	26	1	54	24	25	22	5
Flint Sealand ...	77	61	49†	—	0	—	—	—	Instrument	dismounted	—	—	—	—	—	—	—	—	—	—	—
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	18	1	4	13	348	300	58	0	—	39	17	18	17	49	22	18	16	55
Cornwall Pendennis Castle	256	65	24	18	2	13	90	338	239	46	5	—	42	19	18	16	54	24	18	15	50
Dorset Lyme Regis ...	554	59	56†	—	0	—	—	—	Defective	—	—	—	—	—	—	—	—	—	—	—	—
9. IRELAND, N.																					
Donegal Dunfanaghy ...	180	47	39	21, 25	7	9	49	267	285	112	0	—	54	24	21	5	87	39	21	5	10
Antrim Aldergrove ...	282	40	27	—	0	1	10	212	353	145	0	230	31	14	21	7	57	25	21	8	25
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)	49	27	16	—	0	14	105	328	234	53	0	240	37	16	21	10	—	—	—	—	—
Clare Quilty ...	100	40	32†	—	0	13	83	297	256	84	0	—	30	14	21	5	45	20	21	1	10
Kerry Cahirciveen (Val.O.)	98	41	34†	—	0	8	35	332	292	61	0	210	31	14	20	16	47	21	15	23	40
Cork Weaver Pt. ...	160	30	21†	—	0	7	23	255	340	97	5	—	28	13	5	13	47	21	5	17	45
11. SCILLY ISLES.																					
St. Mary's ...	160	42	35†	—	0	12	138	325	233	24	0	340	37	17	26	7	47	21	18	20	5

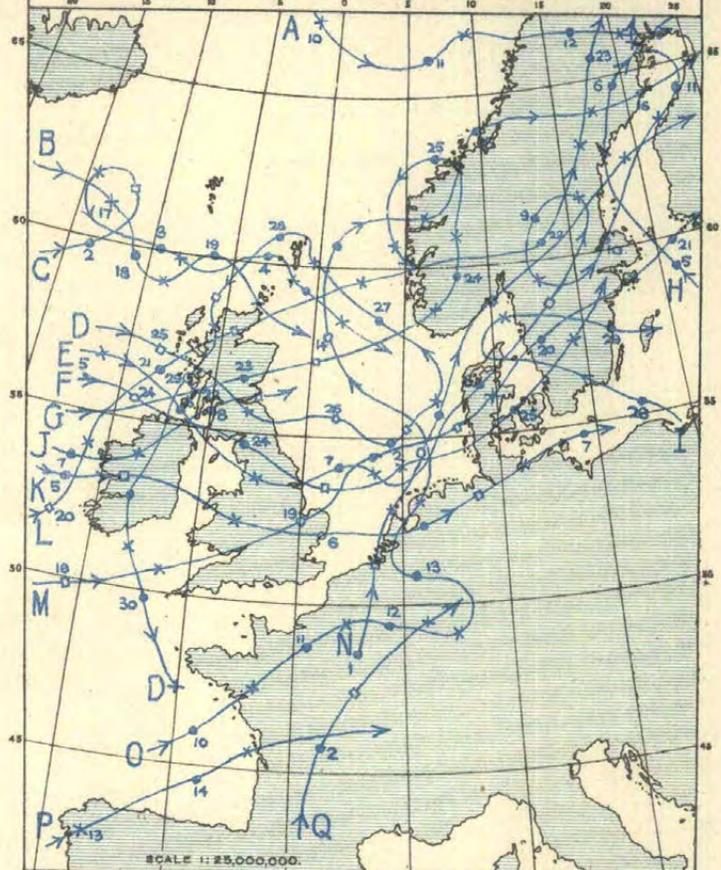
†† Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
 † Standard mounting.
 ** District values of mean temperature in the Monthly Weather Reports from 1917 to 1922 are not comparable with those for other years. Corrected values are printed in the Preface for 1922.

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



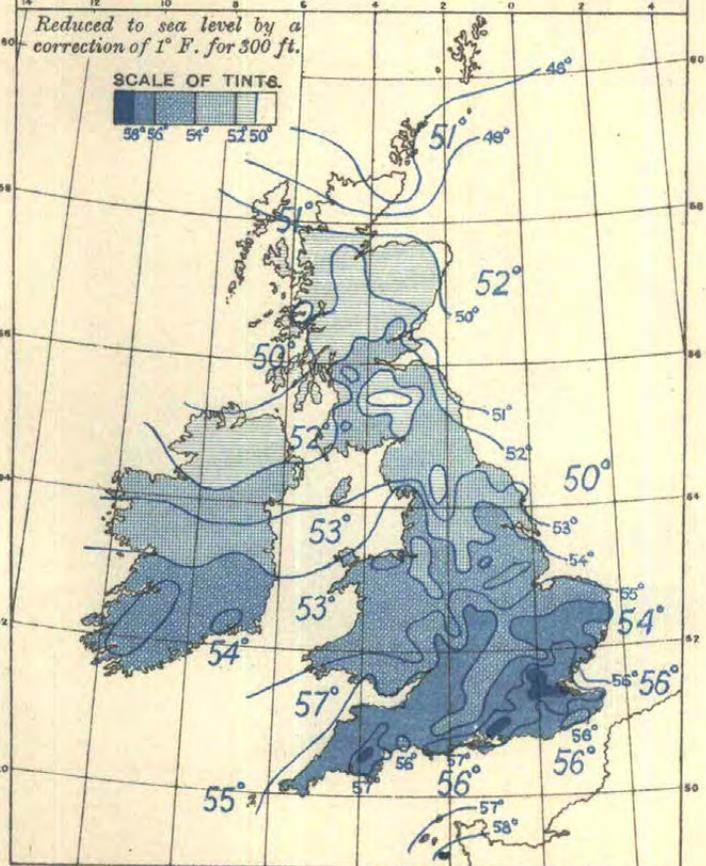
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: $\left\{ \begin{array}{l} \text{LIGHT TO STRONG} \\ \text{30 OBS.} \end{array} \right.$ $\left\{ \begin{array}{l} \text{MODERATE} \\ \text{1 inch} \end{array} \right.$ $\left\{ \begin{array}{l} \text{GALE} \\ \text{1 inch} \end{array} \right.$

2. MOVEMENTS OF DEPRESSIONS.



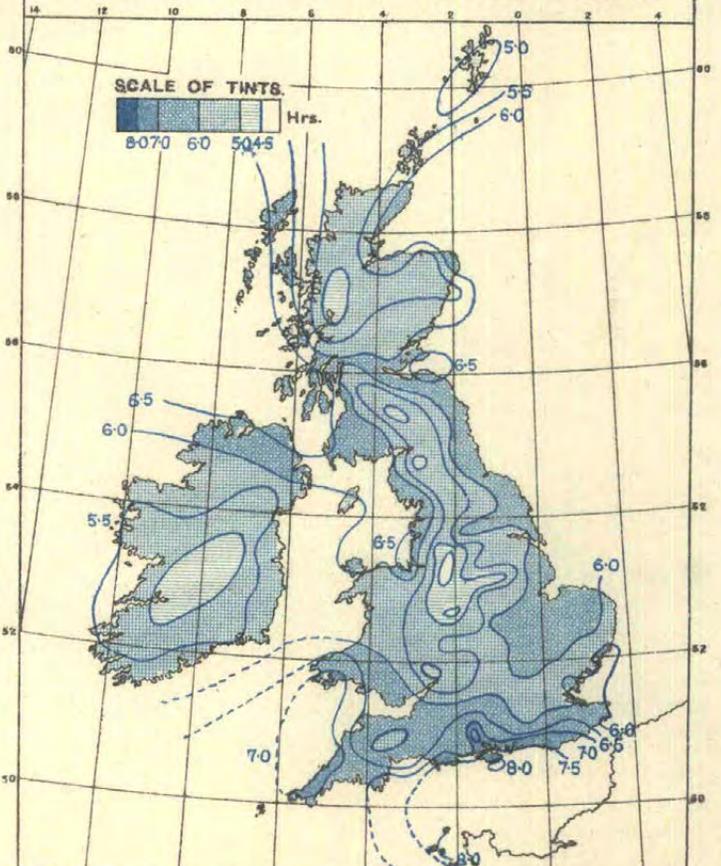
Positions of centres are shown thus: \circ at 1h; \bullet at 7h; \square at 13h; \times at 19h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

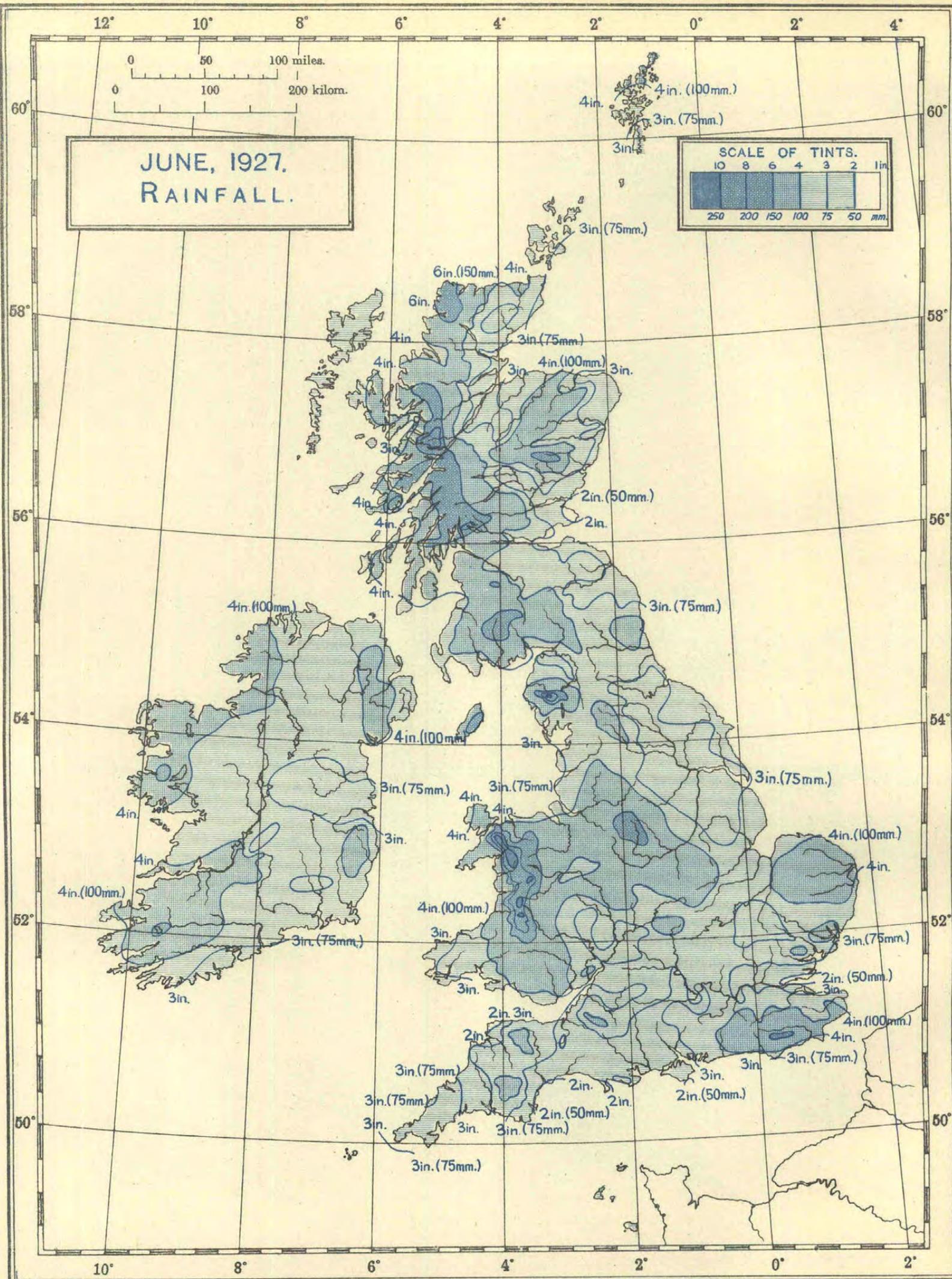


Sea temperatures are shown in large figures, thus: 55°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 309/1546. Wt. 122g. D. 26. 1125. 1/27.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JUNE, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n	Snow lying.	Snow falling.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Daily Mean.	Deviation from Normal.	Per Cent.						
					A	B		Maximum.	Date.	Minimum.					Date.	Amount.											Date.	0.2 mm. or more.	1 mm. or more.	0.	1.	2.
4. MID. COUNTIES—cont.																																
Warwick.	Birmingham	18-7	7	535	61.8	46.6	54.2	-3.3	76	16th	41	4th	50.3	48.9	4.15	105	+46	28	18th	21	18	0	0	1	3	2	0	0	hr.	hr.	%	
	B'ham, Sparkhill	713	7	424	64.1	46.0	55.1	—	79	16th	38	4th	—	—	4.38	111	—	29	18th	23	21	0	0	1	2	0	2	2	4.21	-0.79	25	
	Coventry	9	9	270	64.4	47.5	55.9	-2.5	79	16th	40	4th	57.8	53.1	3.85	98	+44	23	18th	20	18	0	0	1	2	0	0	0	5.11	-1.16	31	
	Leamington Spa	9	9	165	63.3	47.6	55.5	—	79	16th	40	4, 15	61.2	56.2	3.86	98	—	15	18th	22	19	0	0	0	0	1	0	0	5.60	—	34	
	Rugby	2121	9	390	63.1	45.4	54.3	—	78	16th	37	4th	—	—	3.44	87	—	18	18th	20	19	—	—	—	—	—	—	—	—	—	—	
Oxford.	Leaffield	18-7	7	612	61.9	45.5	53.7	—	78	16th	38	4, 12	—	—	3.10	79	—	18	18th	20	14	0	0	1	1	1	3	0	5.90	—	36	
	Oxford	9	9	208	64.3	47.9	56.1	-2.4	80	16th	39	4, 12	59.1	54.9	3.18	81	+24	13	18th	19	15	0	0	1	0	0	0	0	5.68	-0.82	35	
	Oxford (Sandford)	9	9	210	64.9	47.3	56.1	—	79	16th	38	4th	—	—	2.79	71	—	10	29th	17	12	0	0	0	0	0	4	0	5.66	—	34	
Bucks.	Mursley	9	9	490	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Mayfield	9	9	374	61.1	45.0	53.1	—	73	16th	34	4th	—	—	6.36	161	—	26	18th	23	17	0	0	1	3	0	0	4.72	—	28		
Shropshire.	Roden, Well'n	9	9	207	61.4	44.1	52.7	—	69	16th	36	4th	—	—	3.57	91	—	17	18th	23	18	0	0	0	1	—	—	—	—	—		
	Wellington	9	9	259	61.7	46.0	53.9	—	75	16th	39	15th	—	—	4.03	102	—	17	18th	20	18	0	0	2	1	—	2	0	5.34	—	32	
	Wistanstow	2121	9	481	61.1	44.8	52.9	-4.4	72	16th	38	5th	—	—	3.58	91	+33	17	18th	18	12	0	0	0	1	0	0	—	—	—		
Worcester.	Malvern	9	9	377	62.7	48.4	55.5	—	76	16th	43	12, 15	58.0	54.8	3.48	89	+30	16	18th	21	15	0	0	0	1	0	1	0	5.52	—	33	
	Tenbury	9	9	313	63.8	45.6	54.7	-2.8	74	16th	36	4th	56.1	—	2.74	70	+18	17	18th	19	15	0	0	3	1	—	1	0	—	—		
	Worcester (Perdiswell)	9	9	95	63.2	45.8	54.5	—	78	16th	36	4th	—	—	2.99	76	—	15	18th	20	13	0	0	2	1	—	0	0	5.14	—	31	
Hereford.	Bromyard	9	9	392	62.8	45.7	54.3	—	75	16th	35	4th	57.4	53.5	3.85	98	—	18	16th	17	16	0	0	1	1	1	0	0	—	—		
	Hereford	9	9	291	63.4	45.8	54.6	-3.4	74	16th	35	4th	—	—	2.67	68	+14	11	16th	14	14	0	0	2	2	0	8	0	—	—		
	Ross-on-Wye	18-7	7	223	63.2	47.9	55.5	-3.4	76	16th	36	4th	57.7	55.3	2.64	67	+12	14	16th	19	12	0	0	1	4	0	1	0	5.22	—	32	
Gloucester.	Cheltenham	2121	9	214	64.7	48.4	56.5	-1.7	78	16th	40	4th	58.8	56.5	2.83	72	+15	10	7th	21	15	0	0	1	0	0	0	0	5.32	—	32	
	Clifton	9	9	225	63.2	50.0	56.6	-3.0	76	16th	43	4th	—	—	3.38	86	+23	17	16th	18	13	0	0	0	0	0	0	0	5.76	-1.04	35	
	Over Court	9	9	147	63.6	48.1	55.9	—	76	16th	39	4th	—	—	2.72	69	—	17	16th	17	13	0	0	0	0	0	—	—	—			
5. ENGLAND, S.E.																																
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Camden Square	9	9	110	66.4	50.3	58.3	-2.7	85	16th	45	4, 9, 13	57.6	53.5	2.80	71	+20	12	30th	16	15	0	0	0	1	—	—	—	5.63	-0.37	34	
	East Ham	9	9	15	65.4	49.6	57.5	—	83	16th	44	13th	—	—	2.60	66	—	8	29th	17	16	—	—	—	—	—	—	—	—	—		
	Enfield	9	9	148	66.1	48.8	57.5	—	82	16th	41	13th	—	—	5.48	2.97	75	+21	12	18th	18	16	0	0	0	2	0	0	5.60	—	34	
	Greenwich	2424	9	149	67.8	48.3	58.1	-1.8	85	16th	42	4, 13	54.1	52.0	2.60	66	+15	15	30th	17	14	0	0	1	2	2	3	0	4.71	-1.99	29	
	Hampstead Res.	2121	9	450	63.6	47.6	55.6	—	80	16th	41	13th	—	—	2.85	72	—	11	29th	16	15	0	0	1	4	—	2	—	5.89	—	36.8	
	Kensington	18-9	9	80	65.4	50.2	57.8	—	82	16th	44	4, 13	58.1	55.1	3.09	79	—	9	18th	16	14	0	0	0	1	1	0	0	—	—		
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Richmond (Kew Obs.)	2424	24	18	64.9	49.5	57.2	-2.0	80	16th	43	13th	57.9	54.7	2.53	64	+9	18	27th	16	12	0	0	0	2	2	1	0	5.63	-1.19	34	
	Stroud Green	18-7	7	212	65.8	49.1	57.5	—	81	16th	44	12, 13, 27	—	—	2.10	53	—	9	18th	16	13	0	0	1	2	2	0	0	—	—		
	Tottenham	2121	9	51	66.2	50.4	58.3	—	83	16th	43	27th	—	—	56.5	67	—	10	30th	16	14	0	0	1	1	—	—	0	5.34	-1.49	32	
	Westminster	9	9	27	65.2	51.0	58.1	-1.6	81	16th	45	4, 9, 27	—	—	2.71	69	+21	12	30th	17	14	—	—	—	—	—	—	0	5.58	-0.22	34	
	Surrey	Addington	9	9	472	61.6	47.5	54.5	—	78	16th	42	4, 13	—	—	3.56	90	—	20	30th	16	12	—	—	—	—	—	—	—	—		
		Croydon Aero.	18-7	7	244	64.6	48.5	56.5	—	81	16th	37	13th	—	—	2.89	73	—	13	18th	16	12	0	0	0	2	2	1	0	5.79	—	35
		Wisley	9	9	150	65.7	48.0	56.9	-1.3	82	16th	39	13th	59.2	55.6	3.77	96	+50	14	30th	18	16	0	0	1	1	1	0	0	5.55	-1.38	34
Kent.	Biggin Hill	18-7	7	597	61.8	46.8	54.3	—	79	16th	41	4, 5, 13	—	—	3.71	94	—	18	24th	19	17	0	0	0	1	3	1	0	6.03	—	37	
	Bromley	9	9	213	65.0	48.4	56.7	—	81	16th	38	13th	—	—	3.65	93	—	22	30th	15	13	—	—	—	—	—	—	—	—			
	Canterbury	9	9	124	65.1	48.1	56.6	—	81	16th	39	4th	57.8	54.6	4.06	103	—	23	24th	16	14	—	—	—	—	—	—	—	—			
	Deal	9	9	25	63.6	49.9	56.7	—	70	16, 20, 21	43	4th	57.3	54.7	3.43	87	—	18	1st	17	16	0	0	0	2	1	0	0	6.01	—	37	
	Dover	9	9	22	61.3	50.9	56.1	—	72	16th	45	4, 5	58.6	55.9	4.44	113	—	26	24th	18	16	0	0	0	1	1	0	1	5.96	—	36	
	Dungeness	18-7	7	20	61.4	50.9	56.1	-1.2	71	16th	43	5th	—	—	3.45	88	+48	23	24th	18	13	0	0	0	3	2	—	4	—	—		
	East Malling	9	9	127	64.7	47.2	55.9	—	80	16th	38	4, 13	—	—	3.73	95	—	19	24th	16	14	0	0	1	0	2	1	0	5.61	—	34	
	Folkestone	9	9	101	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Lympe	18-7	7	347	61.4	47.3</																										

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Month of JUNE, 1927.

DISTRICT, COUNTY AND PLACE	Hour of Observation.	Height of Barometer above Mean Sea Level	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.											
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
															0	1	2				3	4	5													6	7	8	9
0. SCOTLAND, N.																																							
Shetlands. Lerwick ...	1	59	1007.7	—	45.3	1.1	9.3	91	7.9	0	1	7	11	11	0	1	0	0	0	0	0	0	10	19	0	0	1	20	9	7	0	0	0	3	3	2	3	3	
	7	59	1007.4	-7.1	47.1	1.9	9.4	85	8.0	0	3	2	16	9	0	0	0	1	0	0	0	8	21	0	0	2	26	2	10	1	1	1	2	2	2	2	3	3	
	13	59	1007.5	—	49.5	2.6	9.6	81	7.7	0	1	6	19	4	0	0	0	0	0	0	10	20	0	0	2	28	0	8	2	3	2	2	2	2	2	4	4	2	2
	18	59	1007.8	—	48.8	2.3	9.9	83	7.8	0	2	4	18	6	0	0	0	0	0	0	10	20	0	0	2	25	3	6	1	2	2	2	2	2	2	3	3	3	5
Orkneys. Deerness ...	9	165	1008.2	—	49.0	2.7	9.5	80	7.2	0	2	10	12	6	0	0	0	0	2	3	1	12	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	165	1008.9	—	46.9	2.0	9.3	85	6.2	0	7	8	11	4	0	0	0	0	0	4	2	18	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrides. Stornoway ...	7	41	1008.4	-6.1	49.5	2.2	9.9	85	7.7	1	2	2	18	7	0	0	0	0	4	5	20	1	0	0	10	14	6	8	1	3	1	2	2	1	1	6	7		
	13	41	1008.6	—	52.8	3.7	10.3	76	8.0	0	2	2	17	9	0	0	0	0	1	1	19	9	0	0	15	15	0	8	7	1	2	3	1	1	1	1	6		
	18	41	1009.2	—	51.2	3.2	9.9	78	7.4	0	4	3	13	10	0	0	0	0	2	2	17	9	0	0	16	13	1	11	4	1	2	2	2	2	2	2	4	3	
	21	41	1009.4	—	46.8	1.3	9.9	90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	8	15	7	10	3	0	2	2	2	1	1	3		
Caithness. Wick ...	1	97	1009.1	—	44.9	1.0	9.4	92	7.1	0	3	9	9	9	0	0	0	0	0	0	4	26	0	0	2	28	0	2	1	1	3	3	5	4	4	11	11		
	7	97	1008.7	-6.3	47.5	2.0	9.3	85	7.3	0	1	10	12	7	0	0	0	0	0	0	5	25	0	0	3	27	0	2	1	0	4	5	3	4	4	11	11		
	13	97	1008.9	—	50.7	3.5	9.6	75	6.5	0	0	17	8	5	0	0	0	0	0	0	7	23	0	0	3	27	0	2	3	1	6	5	1	2	10	10			
Inverness. Inverness ...	9	250	1009.5	—	50.3	3.1	9.5	78	5.4	1	5	13	10	1	0	0	0	0	0	2	11	17	0	8	18	4	0	4	0	1	1	10	4	6	6	4			
	17	250	1009.3	—	52.9	3.8	10.3	75	5.9	0	2	18	8	2	0	0	0	0	2	1	11	16	0	13	15	2	5	6	0	1	1	6	5	4	4				
1. SCOTLAND, E.																																							
Nairn. Nairn ...	7	82	1008.9	-6.1	49.3	2.8	9.4	79	6.2	0	4	10	15	1	0	0	0	0	0	0	8	22	0	0	2	16	12	2	0	3	0	0	2	6	5	5			
	13	82	1008.9	—	55.4	4.9	10.2	69	6.3	0	0	13	17	0	0	0	0	0	1	4	25	0	0	6	20	4	1	2	8	0	0	2	8	5	5				
	18	82	1008.9	—	52.8	3.9	10.2	74	6.8	0	2	8	19	1	0	0	0	0	0	1	7	20	2	0	5	21	4	2	2	6	1	0	3	5	7	7			
Aberdeen. Aberdeen H	7	88	1009.4	-6.2	49.5	3.0	9.4	79	6.7	0	6	3	16	5	0	0	0	0	6	9	15	0	0	8	16	6	2	1	2	1	5	2	2	9	6				
	13	88	1009.4	-6.3	52.9	4.0	10.1	73	7.3	0	1	9	15	5	0	0	0	1	5	6	18	0	0	8	22	0	2	1	7	4	8	1	1	2	6	9			
	18	88	1009.3	-6.2	51.6	3.5	9.9	76	7.4	0	3	7	14	6	0	0	0	1	1	5	7	16	0	0	8	19	3	2	0	7	2	6	2	2	6	6			
	21	88	1009.8	-6.2	49.3	2.5	9.8	81	6.8	0	7	4	14	5	0	0	0	2	2	3	11	12	0	0	5	19	6	0	3	1	2	4	5	2	7	7			
Aberdeen. Braemar ...	9	111.4	1009.2	—	48.3	4.2	7.8	69	—	—	—	—	—	—	0	0	0	1	4	25	0	0	0	1	29	0	2	7	3	0	0	10	1	7	7				
	9	111.4	967.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Perth. Crieff ...	9	482	1009.5	—	51.7	4.7	9.0	69	7.4	1	3	6	11	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	21	482	1009.7	—	48.7	3.0	9.2	78	8.1	1	0	7	6	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Fife. Inchkeith ...	1	184	1009.8	—	48.2	2.2	9.5	83	6.5	0	7	7	11	5	0	0	0	0	0	4	24	2	0	4	25	1	4	2	4	3	0	3	10	3	3				
	7	184	1010.0	—	48.0	2.8	9.4	79	6.4	1	7	4	13	5	0	0	0	0	3	3	22	2	0	10	18	2	1	1	6	0	1	5	13	1	0				
	13	184	1009.4	—	53.8	4.6	10.0	70	7.4	0	3	7	13	7	0	0	0	1	0	1	4	22	2	1	10	19	0	0	5	8	2	0	4	11	0	0			
Fife. Leuchars H	7	36	1009.9	—	50.4	3.3	9.6	77	6.1	1	8	5	11	5	0	0	0	0	1	7	21	1	0	7	23	0	1	3	4	3	0	5	10	4	4				
	13	36	1009.5	—	55.0	4.9	10.2	70	8.0	0	2	6	11	11	0	0	0	1	3	4	21	1	0	9	21	0	0	3	7	4	2	5	6	3	3				
Edinburgh. Blackford Hill	9	441	1010.8	—	51.4	4.3	9.0	70	7.3	0	2	11	7	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	21	441	1010.6	—	48.9	2.6	9.6	81	7.4	2	3	6	2	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6a. SCOTLAND W.																																							
Argyll. Tiree ...	7	36	1009.4	—	50.2	2.4	10.2	83	6.9	0	6	8	6	10	0	0	0	1	2	1	3	17	6	1	17	12	0	8	0	1	4	3	3	4	7				
	13	36	1010.1	—	53.3	3.5	10.5	77	6.5	1	7	6	5	11	0	0	0	1	1	1	7	9	11	0	15	15	0	7	0	1	1	5	2	5	9				
	18	36	1010.1	—	52.3	3.2	10.3	78	6.8	1	7	5	4	13	0	0	0	1	0	4	9	3	13	0	16	14	0	7	0	3	1	3	2	4	10				
Bute. Rothesay ...	9	187	1010.3	—	51.3	3.3	9.8	77	7.5	1	2	5	11	11	0	0	0	0	2	7	13	8	0	21	9	0	2	4	1	1	3	1	5	13	13				
	21	187	1010.8	—	49.0	2.0	10.1	85	8.1	0	2	5	7	16	0	0	0	0	2	3	17	8	0	10	20	0	0	4	0	1	2	2	5	16	16				
Renfrew. Renfrew ...	7	40	1010.3	—	49.5	2.4	10.0	83	7.2	3	3	2	12	10	0	0	0	1	3	5	5	10	6	0	7	21	2	0	3	3	1	2	4	11	4				
	13	40	1010.1	—	56.1	5.3	10.3	67	8.3	0	3	2	11	14	0	0	0	1	0	5	2	18	4	0	14	16	0	1	1	4									

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JUNE, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.													
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.								
										0	1 to 3	4 to 6	7 to 9	10	0	1	2	3	4	5	6	7	8	9	0 or more	1 to 7	8 to 12	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2. ENGLAND, N.E.—cont.																																				
Durham. Durham ...	9	352	1011.0	—	53.8	4.4	10.2	71	6.8	0	7	5	10	8	0	0	0	1	1	2	10	6	10	0	0	4	25	1	4	2	2	1	6	1	10	3
	21	352	1011.3	—	49.8	2.3	10.3	83	6.7	4	5	2	5	14	0	0	0	0	1	4	14	8	3	0	0	3	22	5	0	0	1	1	5	4	11	3
York, N. Riding. Scarborough...	9	96	1011.7	—	55.0	4.7	10.3	70	5.6	1	10	4	12	3	0	1	0	0	0	0	3	8	18	0	0	2	28	0	3	0	1	3	5	3	3	12
	9	53	1011.7	—	55.2	5.3	9.8	66	7.4	0	3	8	7	12	—	—	—	—	—	—	—	—	—	—	—	0	30	0	6	1	2	2	5	3	9	2
21	53	1011.5	—	52.6	3.2	10.7	79	6.3	4	5	5	1	15	—	—	—	—	—	—	—	—	—	—	—	0	30	0	3	2	4	2	3	3	12	1	
E. Riding. Spurn Head	1	28	1010.8	—	50.9	1.7	11.2	88	6.7	4	5	3	5	13	0	1	0	0	0	1	8	16	4	0	0	18	12	0	2	1	6	4	3	7	6	1
	7	28	1011.1	—	51.9	2.5	10.9	83	6.1	3	4	7	10	6	0	1	0	0	0	4	5	11	8	1	0	22	8	0	2	3	3	2	3	4	10	3
	13	28	1011.3	-4.8	55.8	4.1	11.3	75	7.1	0	3	9	13	5	0	0	1	0	0	2	3	14	9	1	0	21	9	0	3	3	7	1	1	3	10	2
	18	28	1010.7	—	54.8	3.5	11.4	77	7.2	0	3	7	15	5	0	0	0	0	0	4	8	7	10	1	0	21	8	1	2	1	8	1	2	3	9	3
Lincoln. Cranwell H	1	240	1012.3	—	48.2	0.6	11.0	96	6.3	2	8	1	6	13	0	0	0	1	0	2	19	7	1	0	0	5	21	4	4	1	1	2	3	7	6	2
	7	240	1012.4	—	51.1	1.5	11.6	91	7.8	0	3	5	12	10	0	0	1	0	1	0	17	8	2	1	0	10	20	0	1	1	4	2	2	4	11	5
	13	240	1012.4	—	59.2	4.6	12.6	75	8.1	0	1	3	20	6	0	0	0	0	0	1	6	11	11	1	0	15	14	1	1	2	3	3	1	3	12	4
18	240	1012.2	—	57.9	3.8	12.6	77	8.2	0	1	4	14	11	0	0	0	0	0	1	4	8	17	0	0	12	18	0	3	0	5	3	1	5	8	5	
3. ENGLAND, E.																																				
Norfolk. Cromer ...	9	74	1011.7	—	55.5	2.9	12.0	81	6.7	0	1	14	11	4	0	0	0	1	0	0	11	7	11	0	0	8	22	0	4	0	5	0	2	5	7	7
Norfolk. Yarmouth...	1	26	1011.7	—	51.9	1.8	11.6	87	7.3	2	5	3	4	16	0	0	0	0	0	1	6	20	3	0	0	6	23	1	0	3	3	3	3	7	8	2
	7	26	1011.5	-4.5	52.5	2.5	11.4	83	7.2	0	3	9	9	9	0	0	0	1	0	2	9	18	0	0	13	14	3	2	2	2	2	1	4	10	4	
	13	26	1011.8	—	59.0	5.4	11.6	69	7.4	0	1	10	10	9	0	0	0	0	0	2	12	16	0	0	0	16	14	0	2	6	3	0	2	5	7	5
	18	26	1011.8	—	57.0	4.6	11.4	71	7.6	0	1	9	11	9	0	0	0	0	0	1	11	18	0	0	0	11	18	1	1	3	5	1	5	5	6	3
Suffolk. Felixstowe Aero.	7	20	1012.7	—	53.7	2.9	11.5	81	7.1	0	7	2	10	11	0	0	1	1	0	3	10	9	6	0	0	13	16	1	4	3	2	0	4	4	6	6
	13	20	1013.0	—	59.2	5.5	11.5	69	7.0	0	3	8	16	3	0	0	0	0	0	3	5	5	17	0	0	15	15	0	0	4	2	2	4	5	7	6
	18	20	1012.8	—	57.6	4.4	12.1	74	7.0	0	4	7	11	8	0	0	0	0	1	2	7	4	13	3	0	13	15	2	0	6	3	1	5	5	6	2
Cambridge. Cambridge H	9	43	1012.5	-4.0	57.1	3.0	13.0	81	7.2	1	4	5	8	12	—	—	—	—	—	—	—	—	—	—	0	12	18	0	3	6	1	0	3	3	7	7
	21	43	1012.5	-4.0	54.5	1.7	12.9	88	7.4	3	2	3	7	15	—	—	—	—	—	—	—	—	—	—	0	3	26	1	1	4	2	2	3	5	9	3
Hertford. Rothamsted	9	396	1012.7	—	55.4	4.3	10.7	72	6.7	3	3	4	13	7	0	0	0	0	0	3	27	0	0	0	0	6	21	3	5	2	1	0	3	7	9	0
Essex. Shoeburyness H	7	14	1013.2	—	54.8	2.5	12.4	84	6.6	2	8	0	10	10	0	0	1	0	0	1	19	6	3	0	1	7	22	0	2	5	2	2	1	5	9	4
	13	14	1013.3	—	61.0	5.0	13.1	72	6.6	2	2	9	10	7	0	0	0	0	1	1	6	9	13	0	0	14	16	0	1	1	4	3	3	5	7	6
	18	14	1013.0	—	59.0	4.3	12.8	75	6.8	1	5	8	7	9	0	0	0	1	1	10	7	16	0	0	0	10	20	0	1	1	5	3	2	7	8	3
4. MIDLAND COUNTIES.																																				
York, W. Riding. Harrogate H	7	478	1011.5	—	50.1	2.6	10.0	81	6.7	0	8	4	9	9	0	0	0	1	2	3	3	10	11	0	0	8	22	0	2	1	2	3	4	11	7	0
	13	478	1011.3	—	56.6	6.1	10.0	63	7.6	0	4	3	17	6	0	0	0	0	0	0	3	10	17	0	1	16	13	0	3	0	3	3	2	14	4	1
	18	478	1011.5	—	54.6	5.0	10.1	69	6.9	0	8	3	12	7	0	0	0	0	0	3	3	8	16	0	0	10	19	0	4	1	1	3	4	11	5	1
Nottingham. Nottingham	9	215	1011.7	—	55.1	5.0	10.1	69	7.3	0	4	7	10	9	0	0	0	0	3	2	9	8	8	0	0	16	14	0	2	2	4	1	3	0	17	1
Warwick. Birmingham H	7	542	1013.0	—	51.0	2.5	10.5	82	6.5	2	5	5	9	9	0	0	0	2	0	4	5	6	13	0	0	7	23	0	0	3	4	2	1	5	8	7
	13	542	1012.7	—	58.8	6.9	10.3	61	7.5	0	1	4	20	5	0	0	0	0	2	2	4	22	0	0	6	24	0	1	2	3	1	4	6	7	6	
	18	542	1012.3	—	57.0	5.3	10.9	69	7.2	0	4	4	16	6	0	0	0	0	2	2	1	25	0	0	0	11	18	1	3	0	2	2	3	7	7	5
Oxford. Oxford ...	9	212	1013.4	-3.6	56.1	4.6	10.9	71	7.1	0	6	5	10	9	0	0	0	0	1	5	3	18	3	0	8	20	2	2	2	3	1	1	7	8	4	
Hereford. Ross-on-Wye H	7	226	1012.9	—	52.9	3.3	10.7	78	7.1	2	3	4	12	9	0	0	0	0	1	5	6	18	0	0	7	23	0	2	2	4	0	1	5	10	6	
	13	226	1013.1	—	60.0	6.8	10.9	62	8.2	0	1	1	23	5	0	0	0	0	0	2	9	15	4	0	0	12	18	0	1	1	3	1	1	6	10	7
	18	226	1012.2	—	56.5	3.4	11.3	66	7.6	0	4	1	18	7	0	0	0	0	0	3	10	14	3	0	0	10	19	1	1	2	2	1	2	5	13	3
	21	226	1012.7	—	54.2	3.6	11.0	77	6.7	0	8	3	11	8	0	0	0	0	1	4	10	12	3	0	0	6	23	1	1	2	2	1	1	7	13	2
Gloucester. Cheltenham H	9	230	1013.0	—	57.0	5.1	11.0	69	7.0	2	3	6	7	12	0	0	0	0	0	3	4	20	3	0	3	25	2	2	1	1	0	2	4	15	3	
	21	230	1012.0	—	55.5	3.5	11.7	75	8.3	2	0	5	5	18	0	0	0	0																		

WEATHER AT FIXED HOURS.

TABLE IV. (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JUNE, 1927.

Main data table with columns for District, County and Place; Hour of Observation; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like South Wales, England, S.W., Ireland, N., Ireland, S., Channel I. & Scilly, and Gibraltar.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvred screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director.

South Kensington, S.W.7, July 25th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2¼ "
6	" 2¼ " " 3½ "
7	" 3½ " " 4½ "
8	" 4½ " " 6½ "
9	" 6½ " " 10 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV. also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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Vol. 44, No. 7.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

JULY, 1927: UNSETTLED, THUNDERY AND MAINLY DULL. WET IN ENGLAND AND WALES.

General.—Unsettled thundery conditions prevailed generally during the first ten days of the month. Except in the south-eastern districts of the British Isles where severe thunderstorms and heavy rain were experienced from the 10th to the 13th the weather then became fairer and by the 18th fine weather was established in most districts. There was a renewal of unsettled weather on the 20th which continued until the end of the month.

On the 1st the weather over the southern half of England was affected by a depression centered near the Straits of Dover and in several districts continuous rain was experienced, heavy falls occurring locally, including 42mm. at Portland Bill. The observer at Hellingly states that he measured 57.7mm. which fell between 3h. 10m. and 18h. 30m. on the 1st. In Scotland and most parts of Ireland fairer weather prevailed. After an interval of mainly fair weather, heavy rain and high winds on the 4th, reaching gale force in exposed places in the south-west of England, were associated with a depression which deepened considerably as it approached our western coasts and during the next few days generally unsettled weather with fair periods and local thunderstorms were experienced. Severe thunderstorms occurred widely in the north of England on the 5th and in the south-east of England on the 6th to 7th.

During the next few days the passage of depressions across Northern France maintained unsettled rainy weather in most districts, but there were considerable fair intervals, 13.4 hours sunshine being recorded at Pendennis on the 7th, 11.9 hours at Scilly and 11.7 hours at Lerwick on the 8th and 15.5 hours at Lerwick and 13.8 hours at Pendennis on the 9th. On the 10th a ridge of high pressure extended north-eastwards from the Azores anticyclone over Scotland and Ireland while over northern Germany there was a deep depression. Over the British Isles the winds were northerly, but the air having originated in a warm easterly current which prevailed for some days over southern Scandinavia and the Baltic, day temperatures rose to about 80°F. over a large part of England and exceeded 75°F. in many parts of Scotland. At most places the 10th was the warmest day of the month. During the next few days fair weather prevailed over the north and west of Ireland and Scotland, but over England thundery weather associated with the development of shallow areas of low pressure was experienced. An unusually severe thunderstorm accompanied locally by remarkably heavy rain occurred in London and the south-east of England on the 11th. After the 14th the unsettled sunless conditions were confined to the south-east of England and on the 18th and 19th the anticyclone moved across Great Britain giving fine warm weather over nearly the whole country during those two days. A fresh depression however was approaching our south-west coasts, and an unsettled type of weather with fair periods was renewed and maintained from the 20th to the end of the month.

The following remarks taken from observers' notes illustrate the character of the weather of the month:—Southport—Calmer July on record and much the duller except July, 1912. Half the normal frequency of west winds replaced by south-east winds. Humidity very excessive but rainfall quite moderate. Giggleswick—Cold, wet and very dull. West Kirby—A very unsettled month with severe thunderstorms. Malvern—Showery month with poor sunshine record and high humidity for July. Teignmouth—An exceptionally dull humid month. Rain was frequent, especially in the latter half of the month. Night temperatures were relatively high. Redruth—Highest average humidity since observations started in 1901. Markree—Fine generally and warm. Dublin—A cloudy showery month of average mean temperature with a dry spell extending from the 10th to the 18th inclusive. Cork—A wet cloudy month with light variable winds and about average temperature.

Pressure and Winds.—Owing to the large number of depressions whose paths lay near or across the British Isles, the mean pressure was below the normal in all districts. Winds were mostly light to moderate. High winds occurred during the first ten days of the month and on the 3rd and 4th gales were reported from a few stations in Devon and Cornwall and in the south of Ireland.

Temperature.—The mean temperature was above the normal in the Scottish and Irish districts and in the western districts of England and Wales and about normal in the remaining districts. In Scotland N. and W. the mean temperature was appreciably above the normal, a result largely due to the frequent occurrence of decidedly warm nights. The highest temperatures of the month occurred on the 5th in some eastern districts, widely on the 10th, about the 18th and on various days during the last week of the month. The lowest screen temperatures occurred during the first few days and during the third week of the month.

The extreme temperatures for the month were:—(England and

Wales) 83°F. at Calshot on the 10th, 36°F. at Castleton on the 3rd. (Scotland) 82°F. at Ruthwell on the 10th, 37°F. at Braemar and W. Linton on the 17th. (Ireland) 78°F. at Mallaranny on the 18th. 39°F. at Markree on the 14th.

Precipitation.—The general precipitation over England and Wales and Ireland was above the normal and about normal over Scotland. The distribution of monthly totals however was rather irregular owing mainly to the frequency of occurrence of local thunderstorms.

In most districts of England and Wales monthly totals and number of rain days were above the normal, rainfall amounts exceeding twice the normal over certain areas in the south of England including parts of Kent, Hampshire and Wiltshire. Areas with a deficiency of rainfall occurred in eastern and some north-western districts. Thus at Holyhead the total rainfall for the month amounted to only 64 per cent. of the normal and at Yarmouth to 70 per cent. of the normal.

In the north-west, the extreme north and in the north-east of Scotland precipitation was deficient with little more than one-third of the normal at Gordon Castle and hardly half the normal at Wick. Elsewhere, with much of the month's rainfall of thunderstorm origin, the distribution was irregular, with a deficiency here and there, but at Blair Atholl and Dumfries more than twice the normal. In the extreme north hardly any rain fell until the 20th, and at Kirkwall about half of the month's moderate total of 1.23 in. (31mm.) was accounted for on that day. From the 3rd to the 7th conditions were unsettled in most districts, with some heavy local falls on the 5th, e.g., 2.14 in. (54mm.) at Pitlochry, and on the 10th and 13th some limited areas had heavy falls. Some heavy falls occurred on the 20th, 21st, 27th, and 28th. Thus on the 21st, Rosneath (Dumbartonshire) had 2.95 in. (75mm.) nearly the whole of which fell within 3 hours; but Arrochar only .19 in. (5mm.).

In Ireland the distribution was very irregular but in general areas with a deficiency of rainfall occurred in the central and western districts and areas with an excess in the eastern and south-eastern districts.

July, 1927 will be chiefly remembered, however, for the severe thunderstorms which most districts experienced, notably those of the 5th, the night of the 6th to 7th, the 10th to the 13th and the 21st. In Scotland thunderstorms occurred over limited or more or less wide areas on as many as 21 days. In the northern districts of England the storm on the 5th was responsible for severe flooding. Crops suffered severely and in some places damage was done to buildings by lightning. Heavy persistent rain accompanied the storm during the night of July 6th to 7th in the south-east of England. The storm was one of the worst experienced at Dover for many years. More than 2 in. was recorded at Sheringham (near Cromer), between Colchester and Clacton and in the south-east of Kent. At Deal the fall just exceeded 3 in. Severe thunderstorms swept over many parts of the country on the 11th. In London the storm occurred in the afternoon and was accompanied in places by torrential rain. The heaviest rain fell in the western and south-western districts, the fall exceeding 2 in. over an area between Hammersmith Bridge, Wormwood Scrubbs and Kensington Gardens. The largest amount recorded on the 11th was 3.42 in. (87mm.) in Kensington (Holland House). Exceptionally heavy falls occurred at Kensington Palace where 1.00 in. fell in 12 minutes and at Balham High Road 1.50 in. in 18 minutes, which represent an hourly rate of 5.00 in. Another unusual feature of the storm in London was the intense darkness. In the Staffordshire and Oldham districts considerable damage by floods is reported to have occurred. Heavy rain accompanied the thunderstorms on the 21st and extensive floods were reported from Ashton-under-Lyne, Sunderland, Glasgow and Greenock.

Sunshine.—A characteristic feature of the weather of the month was the relatively small sunshine aggregates recorded in most districts. The mean daily duration of sunshine was above the normal in the north and north-west of Scotland and in parts of Ireland, but elsewhere there was a decided deficiency notably in the Midlands, the south-east of England and the Channel Isles. At several places in these areas the daily loss ranged on the average from two to three hours and at one or two places exceeded three hours. At Totland Bay the month's total was the smallest recorded in any July since 1887 at that station. The observer at Copdock states that from the 12th to the 23rd inclusive only 11.9 hours sunshine were recorded "an experience which is quite unique in any summer month throughout the period of my observations extending now over some thirty years in East Anglia."

Fog.—Fog occurred in all districts but with greatest frequency in Scotland and the northern districts of England. Dense fog occurred on the north-east coast of Scotland around the 7th and 22nd.

Miscellaneous Phenomena.—Solar halos were observed at several places on various dates. An aurora was observed at Kirkwall (Orkney) on the 29th.

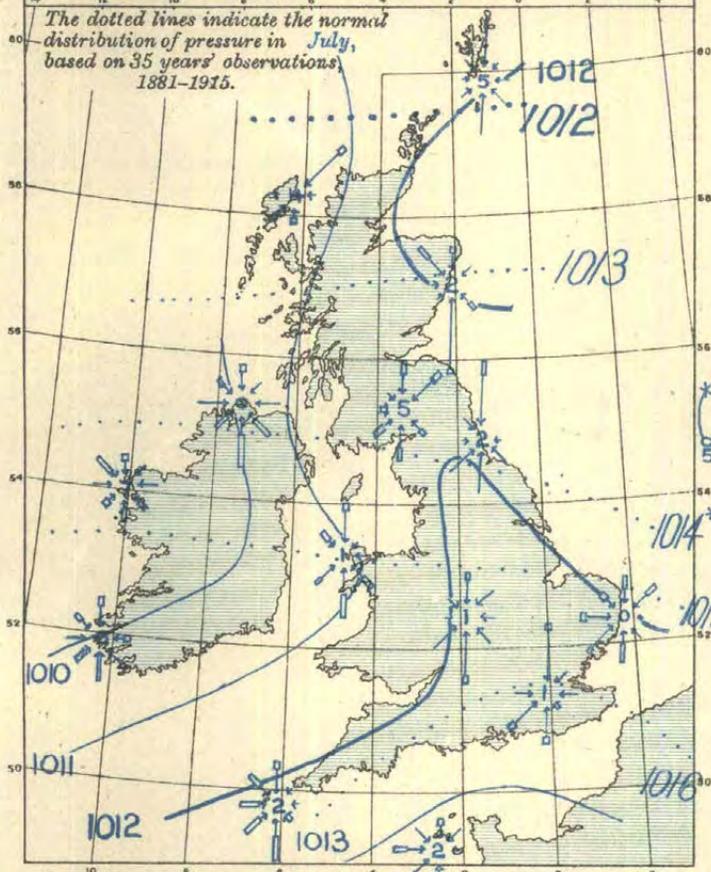
TABLE I.—DISTRICT VALUES—JULY, 1927. [1908.]

DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (1-10).				PRESSURE. MEAN SEA LEVEL.						
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h } 9h }	13h }	17h } 18h } 21h }	Highest	Date.	Lowest	Date.			
			Daily Max.	Daily Min.	** Ad-justed Daily Mean	Deviation from Normal.																			in.	mm.	mm.
0. SCOTLAND, N. ...	74	42	63.1	51.6	57.0	+2.3	—	—	—	—	—	—	3.03	77	- 8	13	4.70	+0.52	27	8.0	7.7	7.6	6.9	1028	15, 16	992	4
Eastern.																											
1. SCOTLAND, E. ...	78	37	64.7	51.0	57.4	+1.0	—	—	—	—	—	—	2.69	68	- 5	16	4.70	-0.39	28	7.4	7.9	7.0	7.0	1027	16	995	28
2. ENGLAND, N.E. ...	80	36	65.0	52.4	58.3	-0.3	58.2	-1.3	54.1	-1.1	3.01	77	+12	15	4.31	-1.56	26	6.2	8.0	8.1	6.7	1026	16	996	28		
3. ENGLAND, E. ...	81	40	67.2	54.5	60.4	-0.1	61.8	-1.2	57.6	-1.4	2.58	66	+ 7	17	4.63	-1.95	29	5.8	8.0	7.3	6.7	1025	19	995	1		
4. MIDLAND COUNTIES ...	82	41	67.0	53.4	59.7	-0.1	58.9	-0.7	54.6	-0.7	3.26	83	+21	17	3.65	-2.21	22	—	8.2	8.4	7.2	1026	16	993	1		
5. ENGLAND, S.E. ...	83	39	66.6	55.0	60.4	-0.7	62.5	+0.1	58.9	+0.3	3.50	89	+34	17	4.76	-2.20	30	6.7	8.0	8.4	7.6	1025	19	991	1		
Western.																											
6. SCOTLAND, W. (& I. of Man) ...	82	42	66.0	53.0	59.1	+2.0	—	—	54.5	-2.1	4.14	105	+17	20	4.96	-0.53	30	—	8.1	7.3	7.5	1028	16	992	4		
7. ENGLAND, N.W. (& N. Wales) ...	82	41	66.2	53.9	59.6	+0.9	59.6	-0.8	55.3	-1.3	3.26	83	+ 6	18	4.68	-1.22	28	6.2	8.1	7.4	7.3	1026	15	997	27		
8. ENGLAND, S.W. (& S. Wales) ...	78	42	66.1	54.9	60.1	+0.4	62.7	-0.5	58.1	-1.0	3.47	88	+13	20	4.43	-1.96	28	7.1	8.1	7.5	7.6	1026	15	993	1		
9. IRELAND, N. ...	78	39	64.1	52.5	57.9	+0.7	60.6	+0.1	55.7	-0.5	3.18	81	+ 1	17	4.99	+0.32	30	6.4	7.1	7.1	6.8	1028	15, 16	985	4		
10. IRELAND, S. ...	77	43	66.7	53.8	59.8	+0.9	59.9	-0.5	55.7	-1.5	3.79	96	+17	18	5.25	+0.03	32	—	7.4	7.2	7.3	1027	15	986	4		
11. CHANNEL I. (& Scilly) ...	71	51	65.4	56.7	60.8	-0.2	65.5	+2.2	61.5	+1.4	2.53	64	+ 7	16	5.28	-2.42	33	6.2	7.8	7.1	7.2	1024	15	998	1		
Mean: DISTRICTS 1-10 ...	83	36	66.0	53.4	59.3	+0.5	60.5	-0.6	56.1	-1.0	3.29	84	+12	17	4.64	-1.17	28	6.5	7.9	7.6	7.2	1028	—	985	—		

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—JULY, 1927. [1914.]

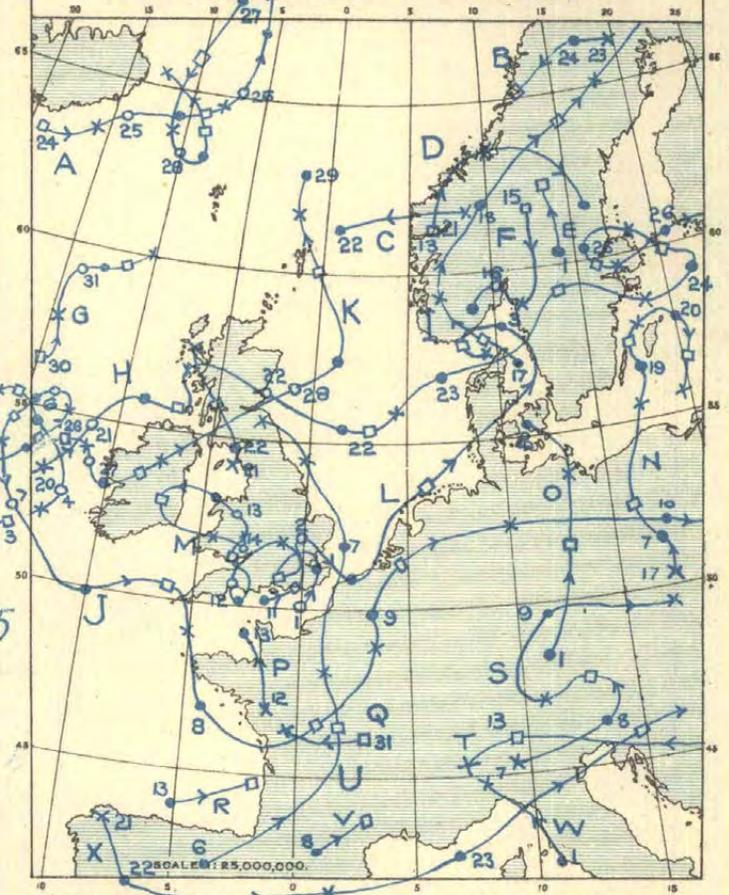
DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.													
	Above Mean Sea Level.	Above Ground.	Above Build-ing.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record.		Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Dura-tion.	No. of Days.	Dura-tion.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	—	0	1	8	218	411	107	0	0	0	0	250	28	12	25	10	38	17	5	22	55	
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	2	6	200	482	56	0	0	0	0	140	29	13	5	21	—	—	—	—	—	
1. SCOTLAND, E.																									
Aberdeen Aberdeen ...	70	42	33†	—	0	—	0	114	504	126	0	0	0	0	30	18	8	7	13	29	13	4	11	10	
Kincardine Balmakewan ...	140	25	18	—	0	—	0	32	(382)	(330)	0	0	0	0	50	17	8	1	15	30	13	4	11	15	
Edinburgh Edinburgh ...	485	39	31†	—	0	1	1	153	364	226	0	0	0	0	200	26	12	30	24	37	17	30	23	40	
6a. SCOTLAND, W.																									
Argyll Tiree ...	80	55	48†	—	0	4	35	334	336	39	0	0	0	0	120	30	13	3	4	42	19	3	4	15	
Renfrew Paisley ...	188	81	15	—	0	—	0	28	483	233	0	0	0	0	160	17	8	4	11	36	16	4	11	30	
Dumfries Eskdalemuir ...	825	50	22	—	0	2	7	212	366	159	0	0	0	0	40	27	12	1	17	36	16	1	17	10	
2. ENGLAND, N.E.																									
Durham South Shields ...	62	46	20	—	0	3	7	138	381	218	0	0	0	0	350	28	13	7	12	40	18	17	7	55	
York, E.R. Spurn Head ...	67	42	35†	—	0	7	38	351	350	5	0	0	0	0	320	30	13	17	16	39	17	5	10	25	
Lincoln Cranwell ...	284	44	26†	—	0	—	0	123	537	84	0	0	0	0	200	23	10	4	15	42	19	4	14	25	
3. ENGLAND, E.																									
Norfolk Gorleston ...	52	42	33†	—	0	2	5	284	442	13	0	0	0	0	180	27	12	27	14	38	17	27	14	0	
Suffolk Felixstowe Aero. ...	55	40	25	—	0	1	1	252	(349)	(142)	0	0	0	0	300	25	11	7	5	35	16	7	5	10	
Essex Shoeburyness ...	115	104	14†	—	0	2	2	168	443	131	0	0	0	0	190	27	12	5	11	39	17	5	6	5	
4. MIDLAND COUNTIES.																									
Warwick Birmingham ...	643	118	18	—	0	—	0	89	583	72	0	0	0	0	190	19	9	5	13	42	19	5	12	25	
5. ENGLAND, S.E.																									
Surrey Richmond (Kew Obs) ...	82	65	22	—	0	—	0	145	484	115	0	0	0	0	220	22	10	27	15	37	17	27	14	45	
Surrey Croydon ...	284	40	24	—	0	—	0	84	532	128	0	0	0	0	240	19	9	5	12	36	16	4	12	25	
Kent Dover ...	61	32	22	—	0	5	17	234	417	76	0	0	0	0	—	28	13	8	17	46	21	27	22	35	
Kent Lympne ...	409	70	55†	—	0	4	16	251	443	34	0	0	0	0	350	30	13	9	1	40	18	9	5	10	
Hampshire Petersfield ...	811	42	34†	—	0	—	0	—	No Record	—	0	0	0	0	—	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' Tower ...	444	160	14	—	0	—	0	114	470	160	0	0	0	0	200	22	10	4	12	37	17	4	11	50	
Hampshire Calshot ...	55	45	31†	—	0	7	18	339	(332)	(55)	0	0	0	0	200	32	13	27	18	39	17	27	17	55	
Hampshire Worthy Down ...	314	43	27†	—	0	—	0	139	368	237	0	0	0	0	190	22	10	27	16	40	18	4	11	35	
Wiltshire Larkhill ...	526	51	34†	—	0	6	19	327	(397)	(1)	0	0	0	0	360	27	12	9	7	36	16	9	6	50	
7a. ENGLAND, N.W.																									
Lancashire Fleetwood ...	112	50	12	—	0	1	6	180	436	122	0	0	0	0	300	29	13	23	11	38	17	30	14	55	
Lancashire Southport ...	77	59	45†	—	0	2	5	212	484	43	0	0	0	0	300	28	13	23	12	39	17	30	14	35	
7b. NORTH WALES.																									
Anglesey Holyhead ...	64	45	29†	—	0	2	5	320	326	93	0	0	0	0	160	28	13	4	3	44	20	4	0	55	
Flint Sealand ...	77	61	49†	—	0	—	0	—	Instrument	dismounted	0	0	0	0	—	—	—	—	—	—	—	—	—	—	
8b. ENGLAND, S.W.																									
Devon Plymouth ...	185	88	2	—	4	1	7	52	304	73	10	0	0	0	—	40	18	4	6	52	23	4	6	5	
Cornwall Pendennis Castle ...	256	65	24	—	3.4	7	9	81	338	203	113	2	0	0	—	41	18	4	4	54	24	3	22	55	
Dorset Lyme Regis ...	554	59	56†	—	—	—	—	—	Defective	—	0	0	0	0	—	—	—	—	—	—	—	—	—	—	—
9. IRELAND, N.																									
Donegal Dunfanaghy ...	180	47	39	—	—	—	—	—	Defective	—	0	0	0	0	—	—	—	—	—	—	—	—	—	—	—
Antrim Aldergrove ...	282	40	27	—	0	2	3	155	467	119	0	0	0	0	140	25	11	3	24	46	21	4	0	45	
10. IRELAND, S.																									
Dublin Kingstown (Cup Anr.) ...	49	27	16	—	0	5	27	240	367	110	0	0	0	0	240	32	14	22	2	—	—	—	—	—	
Clare Quilty ...	100	40	32†	—	0	3	10	237	386	111	0	0	0	0	—	30	13	19	11	42	19	3	17	15	
Kerry Cahirciveen (Val.O.) ...	98	41	34†	—	0	4	9	302	317	116	0	0	0	0	150	31	14	3	15	55	25	3	15	35	
Cork Weaver Pt. ...	160	30	21†	—	0	4	11	216	390	106	21														

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



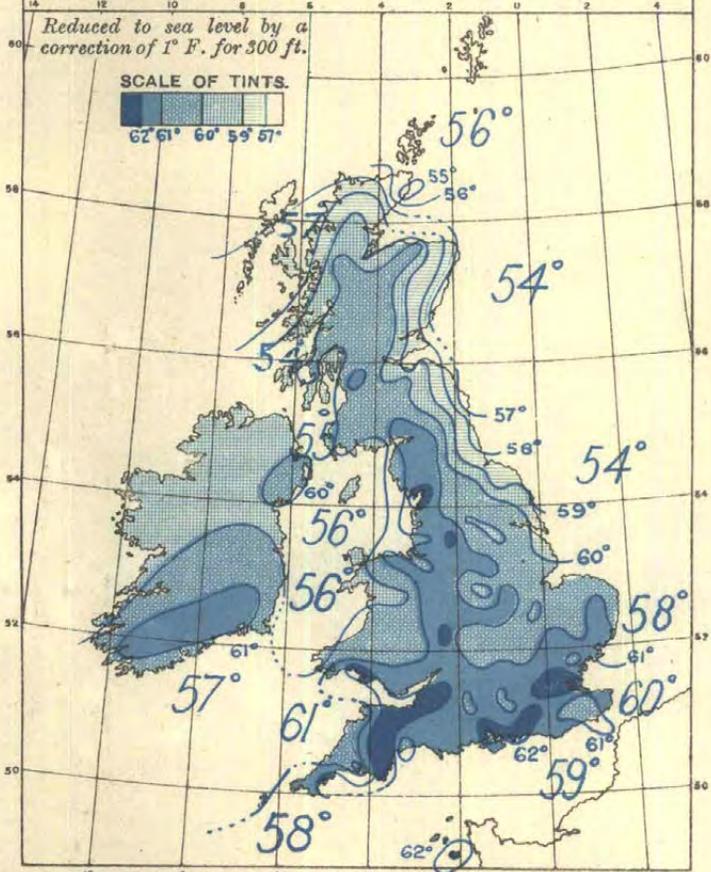
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO SYMBOLS GALE
 30 OBS. = 1 mch = 1

2. MOVEMENTS OF DEPRESSIONS.



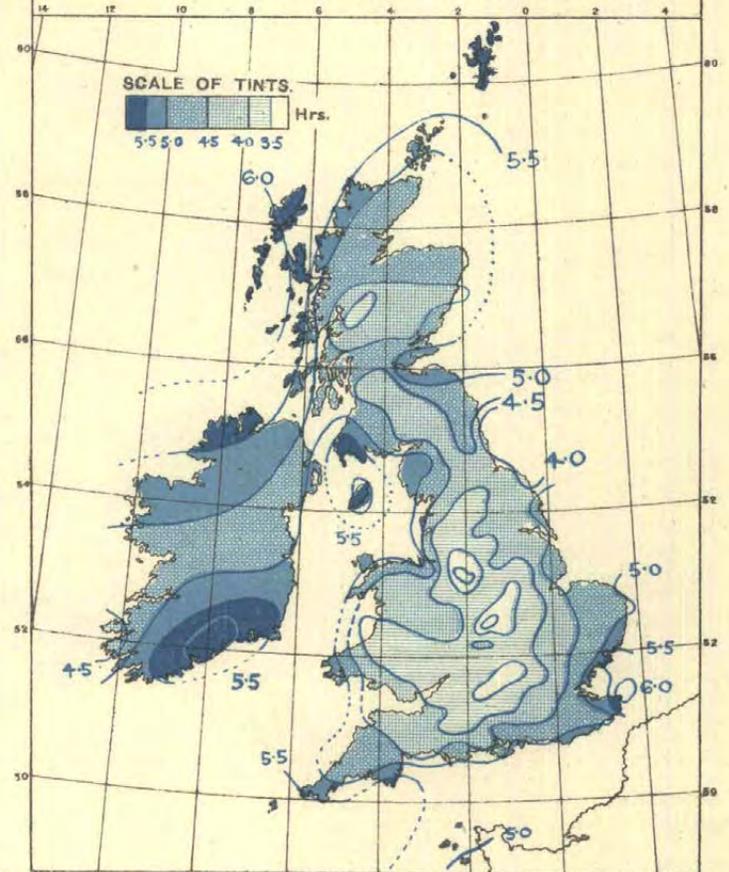
Positions of centres are shown thus: - O at 1hr; @ at 7hr; □ at 13hr; X at 18hr.

3. DISTRIBUTION OF MEAN TEMPERATURE.

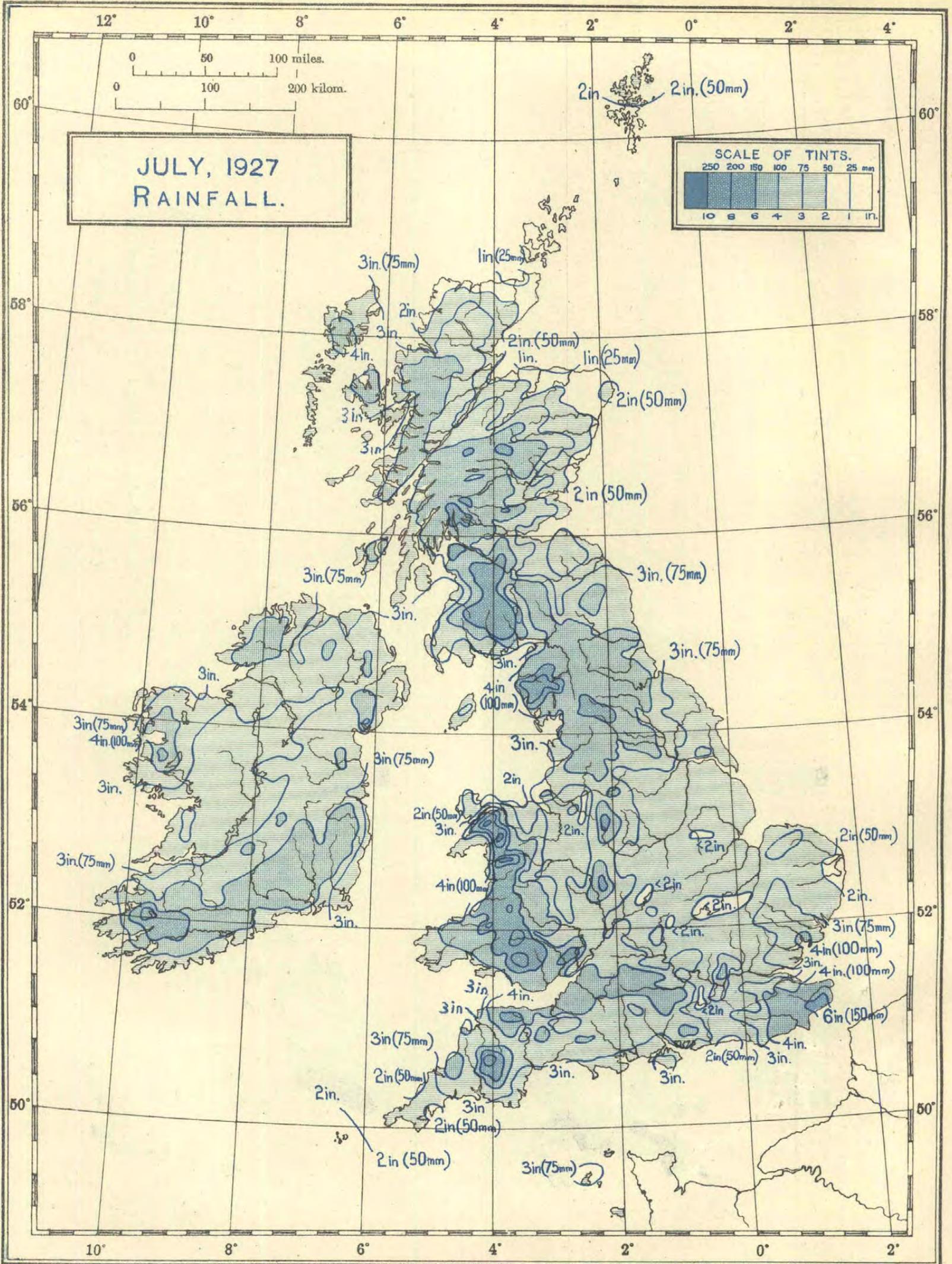


Sea temperatures are shown in large figures, thus: 56°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 309/1564. No. 122a. D. 26. 1/25. 8/27.

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

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JULY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.			
			Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.					
			A	B			Maximum.	Date.	Minimum.					Date.	Amount.													Date.				
			Max.	Min.	Rain	Max.	Min.	Mean of A and B.	Deviation from Normal.	Maximum.	Date.	Minimum.	Date.	1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Amount.	Date.	Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.	
0. SCOTLAND, N.																																
Shetlands.	Baltasound	...	9 9 9	31	60.0	49.7	54.9	—	74	9th	44	20th	55.6	—	0.94	24	—	5	21st	11	6	0	0	0	3	7	—	0	5.49	—	30	
	Lerwick	...	18-7 7	54	59.4	51.5	55.5	+2.9	68	9th	46	3rd	—	—	1.96	50	-8	12	28th	8	8	0	0	0	0	3	—	0	5.52	—	31	
Orkneys.	Deerness	...	2121 9	160	58.9	50.5	54.7	+1.2	68	9th	45	12th	—	—	1.72	44	-21	15	28th	16	6	0	0	0	0	3	—	0	5.23	+0.78	30	
	Kirkwall	...	9 9 9	151	60.2	50.4	55.3	—	68	26th	43	12th	—	—	1.23	31	—	15	20th	12	7	0	0	0	0	3	—	0	4.77	—	27	
Hebrides.	Castlebay	...	18-7 7	37	60.5	54.1	57.3	—	67	1st	51	11th	—	—	3.58	91	—	54	20th	15	11	0	0	0	0	0	—	0	6.10	—	36	
	Stornoway	...	18-7 7	30	62.3	50.7	56.5	+1.9	67	8th	43	16th	—	—	3.92	100	+23	18	20th	20	12	0	0	0	0	0	—	0	5.63	+0.95	33	
Caithness.	Wick	...	18-7 7	81	57.9	50.1	54.0	-0.5	68	10th	42	16th	—	—	1.28	32	-35	12	28th	12	7	0	0	0	0	4	—	0	—	—	—	
Ross & Cromarty.	Achnashellach	...	9 9 9	225	67.0	52.5	59.7	+4.9	74	3, 8, 19	48	3, 14, 18	—	—	5.09	129	-7	25	21st	14	13	0	0	0	0	0	—	0	—	—	—	
	Fortrose	...	9 9 9	69	64.7	52.8	58.7	—	74	9, 10	48	3rd	—	—	2.26	57	—	13	28th	10	9	0	0	0	4	0	—	0	4.89	—	28	
Inverness.	Strathpeffer	...	9 9 9	125	67.0	51.8	59.4	+2.5	72	10th	45	1st	—	—	3.63	92	+26	22	5th	10	9	0	0	0	2	—	—	—	—	—		
	Ft. Augustus	...	9 9 9	68	64.8	53.1	58.9	+2.2	73	14th	45	17th	—	—	2.28	58	-13	12	5, 8	13	10	0	0	0	1	1	—	0	3.25	-0.30	19	
	Inverness	...	9 9 9	242	64.8	52.8	58.8	—	74	5th	47	3rd	—	—	2.91	74	+9	11	30th	13	11	0	0	0	4	0	—	0	4.69	—	27	
1. SCOTLAND, E.																																
Nairn.	Nairn	...	18-7 7	82	65.2	52.5	58.9	+2.2	75	10th	47	17, 19	—	—	1.76	45	-23	12	28th	13	8	0	0	0	5	0	—	0	4.60	—	27	
Elgin.	Gordon Castle	...	2121 9	104	67.2	52.3	59.7	+2.9	77	8th	45	3rd	—	—	1.16	29	-52	7	8th	9	8	0	0	0	3	—	0	4.94	—	29		
Banff.	Banff	...	9 9 9	130	63.2	52.1	57.6	—	71	8, 31	48	1, 2, 3, 24	—	—	0.73	19	—	7	28th	9	4	0	0	0	1	0	—	0	4.84	—	28	
Aberdeen.	Aberdeen	...	242424	46	61.3	52.7	57.0	—	71	10th	49	2nd	—	—	52.8	1.88	48	-23	17	28th	13	8	0	0	0	2	5	—	0	4.39	-0.74	26
	Balmoral	...	9 9 9	927	64.5	48.3	56.4	—	71	10th	42	17th	—	—	3.46	88	+23	20	13th	20	10	0	0	0	5	2	—	0	—	—	—	
	Braemar	...	2121 9	1120	64.9	47.4	56.1	+1.3	72	10th	37	17th	—	—	2.66	68	+3	18	5th	14	12	0	0	0	3	5	—	0	—	—	—	
	Craibstone	...	9 9 9	300	62.1	50.2	56.1	—	72	10th	44	4th	—	—	2.06	52	—	12	27th	14	9	0	0	0	3	—	0	4.85	—	28		
	Logie Coldstone	...	9 9 9	608	65.4	48.3	56.9	—	75	10th	—	—	—	—	2.62	67	-8	13	10th	16	13	0	0	0	3	—	0	—	—	—		
Kincardine	Stonehaven	...	9 9 9	93	62.3	52.0	57.1	—	73	10th	46	16th	—	—	4.25	108	—	21	5th	13	12	0	0	0	1	6	—	0	4.65	—	27	
Forfar.	Arbroath	...	2121 9	93	63.5	51.1	57.3	—	73	10th	46	17, 18	—	—	1.67	43	—	9	5th	14	11	0	0	0	2	1	—	0	4.60	—	27	
	Carnoustie	...	9 9 9	39	63.5	51.4	57.5	—	70	10th	47	17, 18	—	—	3.39	86	—	42	28th	17	10	0	0	0	4	—	0	4.53	—	27		
	Dundee (E. Nec.)	...	2121 9	198	65.8	52.4	59.1	+0.7	78	10th	46	2nd	—	—	2.17	55	-14	17	5th	15	12	0	0	0	2	—	0	4.24	—	25		
	Mayfield	...	9 9 9	147	66.3	51.9	59.1	—	78	10th	45	2nd	—	—	2.08	53	—	17	5th	13	11	0	0	0	2	—	0	4.24	—	25		
	Kettins	...	9 9 9	218	67.0	51.0	59.0	—	76	10th	41	2nd	—	—	2.76	70	—	13	8th	14	11	0	0	0	4	0	—	0	—	—	—	
	Montrose	...	9 9 9	16	61.7	51.1	56.4	—	69	10th	42	20th	—	—	1.89	48	—	12	28th	11	9	0	0	0	2	1	—	0	4.63	—	27	
Perth.	Crieff	...	2121 9	478	66.0	51.4	58.7	+0.3	73	10, 15	46	17, 18	—	—	4.65	118	+43	27	5th	18	16	0	0	0	5	—	0	—	—	—		
	Perth	...	9 9 9	76	68.6	52.6	60.6	+2.2	78	10th	43	2nd	—	—	3.50	89	+16	22	5th	20	15	0	0	0	7	—	0	4.95	—	29		
Fife.	Cupar	...	9 9 9	210	65.8	51.7	58.7	—	77	10th	44	17th	—	—	2.99	76	—	17	28th	17	12	0	0	0	3	—	0	—	—	—		
	Inchkeith	...	18-7 7	190	62.6	53.2	57.9	—	72	10th	49	2nd	—	—	2.59	66	—	18	21st	14	10	0	0	0	5	1	—	0	5.63	—	33	
	Kirkcaldy	...	9 9 9	66	65.1	52.8	58.9	—	76	10th	47	3, 17	—	—	2.72	69	—	12	5th	14	11	0	0	0	3	—	0	—	—	—		
	Leuchars	...	18-7 7	40	64.4	51.5	57.9	—	77	10th	45	17, 18	—	—	2.93	74	—	18	10th	12	11	0	0	0	1	4	—	0	4.73	—	28	
	St. Andrews	...	9 9 9	20	64.8	51.5	58.1	—	75	10th	44	6, 17, 20	—	—	2.70	69	—	13	5th	13	12	0	0	0	4	0	—	0	4.47	—	26	
Linlithgow.	Bangour	...	2121 9	587	64.3	50.0	57.1	—	72	10th	42	17, 18	—	—	2.45	62	—	18	5th	20	9	0	0	0	4	4	—	0	—	—	—	
Edinburgh.	Blackford Hill	...	2121 9	441	63.9	52.3	58.1	+1.2	72	10th	47	2, 17	—	—	2.22	56	-11	17	21st	14	9	0	0	0	3	—	0	5.51	+0.12	33		
	Boghall	...	9 9 9	645	64.3	50.5	57.4	—	71	10th	45	3rd	—	—	2.68	68	—	19	21st	12	10	0	0	0	3	—	0	5.43	—	32		
	Edin. Univ.	...	9 9 9	227	65.7	53.6	59.7	—	73	10th	48	1, 2	—	—	58.5	54.6	—	21	21st	14	8	—	—	—	—	—	—	—	—	—		
	Liberton	...	9 9 9	190	65.9	—	—	—	74	10th	—	—	—	—	3.09	79	—	41	21st	13	8	0	0	0	3	—	0	—	—	—		
Haddington.	N. Berwick	...	9 9 9	152	66.5	51.6	59.1	—	75	10th	46	8, 17, 20	—	—	2.12	54	—	12	7th	14	9	0	0	0	3	0	—	0	5.22	—	31	
	Smeaton	...	9 9 9	100	66.7	51.9	59.3	—	75	10th	42	17th	—	—	3.48	88	+18	21	7th	14	12	0	0	0	4	1	—	0	—	—	—	
Berwick.	Marchmont	...	9 9 9	498	65.5	50.0	57.7	+1.0	75	10th	41	8th	—	—	3.40	86	+8	22	27th	15	8	0	0	0	5	—	0	4.78	-0.64	28		
Peebles.	West Linton	...	9 9 9	770	65.4	47.9	56.7	+1.7	74	10th	37	17th	—	—	2.61	66	—	21	5th	23	14	0	0	0	6	—	0	—	—	—		
Roxburgh.	Kelso (Br'ml'ds)	...	9 9 9	195	66.8	50.6	58.7	—	77	10th	44	3, 8, 20																				

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, JULY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.		Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.				WEATHER Number of days.								BRIGHT SUNSHINE.									
				Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			Total Fall.	Deviation from Normal.	Most in a day.			Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.													
				A	B			Maximum.	Date.	Minimum.			Date.			Amount.	Date.							0.2 min. or more.	1 min. or more.	Daily Mean.	Deviation from Normal.	Per Cent.									
				Max.	Min.			°F.	°F.	°F.			°F.			in.	mm.							mm.	mm.												
4. MID. COUNTIES—cont.																																					
Warwick.	Birmingham	18-7	7	535	66.4	53.5	59.9	-0.7	80	10th	49	29th	54.7	51.1	3.12	79	+20	17	11th	17	16	0	0	0	0	5	3	0	0	0	0	2.78	-2.03	17			
	B'ham, Sparkhill	713	7	424	68.2	52.7	60.5	—	82	10th	46	8, 18	—	—	2.48	63	—	9	27th	21	13	0	0	0	0	6	1	0	0	0	0	—	—	—			
	Coventry	9	9	270	67.8	53.8	60.8	-0.7	78	10th	48	29th	61.2	55.8	2.16	55	-5	11	27th	21	12	0	0	0	0	6	0	0	0	0	0	3.30	-2.70	20			
	Leamington Spa	9	9	165	67.6	54.3	60.9	—	79	10th	47	18th	63.8	58.3	1.69	43	—	7	20th	16	13	0	0	0	0	5	2	0	0	0	0	3.36	—	21			
	Rugby	2121	9	390	66.8	51.9	59.3	—	78	10th	47	18, 29	—	—	2.24	57	—	12	6th	17	10	—	—	—	—	—	—	—	—	—	—	—	—	—			
Oxford.	Leaffield	18-7	7	612	64.8	52.2	58.5	—	75	10th	45	18th	—	—	1.70	43	—	13	1st	18	11	0	0	0	0	6	2	0	0	0	0	3.68	—	23			
	Oxford	9	9	208	67.3	54.6	60.9	-1.0	78	10th	47	18th	62.0	57.3	3.07	78	+18	23	11th	17	14	0	0	0	0	6	0	0	0	0	0	3.40	-2.95	21			
	Oxford (Sandford)	9	9	210	67.9	54.0	60.9	—	79	10th	44	18th	—	—	2.79	71	—	21	11th	16	12	0	0	0	0	5	0	0	0	0	0	3.35	—	21			
Bucks.	Mursley	9	9	490	66.0	52.2	59.1	—	76	10th	44	18th	59.3	58.4	2.72	68	—	20	8th	21	11	0	0	0	3	6	—	—	—	—	3.92	—	22				
	Mayfield	9	9	374	66.1	50.8	58.5	—	77	10th	42	25, 29	—	—	2.52	64	—	13	6th	17	12	0	0	0	3	9	0	0	0	0	3.64	—	22				
Shropshire.	Roden, Well'n	9	9	207	67.6	50.8	59.2	—	74	8th	44	17th	—	—	2.25	57	—	25	11th	14	10	0	0	0	0	4	—	—	—	—	—	—	—				
	Wellington	9	9	259	67.8	53.2	60.5	—	79	10th	46	17th	—	—	1.54	39	—	9	11th	16	10	0	0	0	0	7	—	—	—	—	—	4.17	—	26			
	Wistanstow	2121	9	481	66.6	52.0	59.3	-0.7	78	10th	43	17th	—	—	1.72	44	-16	9	11th	14	12	0	0	0	0	2	0	0	0	0	—	—	—	—			
Worcester.	Malvern	9	9	377	67.0	55.0	61.0	—	79	10th	51	2, 6, 8, 17	61.7	57.5	3.91	99	+41	15	27th	20	14	0	0	0	0	7	1	0	0	0	0	3.95	—	25			
	Tenbury	9	9	313	68.3	52.6	60.5	-0.3	80	10th	45	17th	60.0	—	2.00	51	+4	12	26th	15	11	0	0	0	1	8	—	—	—	—	—	—	—				
	Worcester (Perdiswell)	9	9	95	67.5	53.3	60.4	—	79	10th	44	17th	—	—	3.63	92	—	39	11th	14	10	0	0	0	1	8	—	—	—	—	—	—	—				
Hereford.	Bromyard	9	9	392	66.8	52.7	59.7	—	79	10th	43	17, 29	60.6	56.1	3.89	99	—	31	27th	15	10	0	0	0	4	2	0	0	0	—	—	—	—				
	Hereford	9	9	291	66.5	53.4	59.9	-1.1	78	10th	44	1st	—	—	4.57	116	+60	32	27th	17	15	0	0	0	1	4	0	0	0	0	—	—	—	—			
	Ross-on-Wye	18-7	7	223	66.9	54.4	60.7	-1.3	78	10th	47	17, 18	61.8	57.8	3.26	83	+26	19	26th	16	14	0	0	0	0	6	2	0	0	0	0	3.92	—	24			
Gloucester.	Cheltenham	2121	9	214	68.2	54.2	61.2	-0.2	80	10th	48	18th	61.7	58.7	3.79	71	+11	25	1st	18	14	0	0	0	0	6	0	0	0	0	0	3.61	—	22			
	Clifton	9	9	225	67.6	55.8	61.7	-1.0	77	10th	50	18th	—	—	5.13	130	+58	27	11th	23	16	0	0	0	0	1	0	0	0	0	0	3.90	-2.97	24			
	Over Court	9	9	147	68.1	54.6	61.3	—	78	10th	41	25th	—	—	4.12	105	—	18	1st	21	16	0	0	0	0	4	0	—	—	—	—	—	—				
5. ENGLAND, S.E.																																					
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.27	-1.54	27		
	Camden Square	9	9	110	69.1	56.0	62.5	-1.8	81	10th	49	18th	60.5	56.0	3.24	82	+21	24	11th	17	12	0	0	1	2	—	—	—	—	—	—	—	—	—			
	East Ham	9	9	15	69.2	55.1	62.1	—	80	10th	49	18, 20	—	—	2.28	58	—	18	6th	16	13	0	0	0	4	0	0	0	0	0	0	0	0	4.14	—	26	
	Enfield	9	9	148	69.0	55.0	62.0	—	80	10th	48	18, 20	—	—	5.77	2.26	57	-1	21	6th	19	12	0	0	0	4	0	0	0	0	0	0	0	4.27	-2.23	27	
	Greenwich	2424	9	149	70.8	53.9	62.3	-1.2	81	10, 11	47	20th	58.1	55.0	2.25	57	0	17	6th	20	12	0	0	1	4	0	0	0	0	0	0	0	0	4.27	-2.23	27	
	Hampstead Res.	2121	9	450	66.5	52.3	59.4	—	79	10th	44	18th	—	—	3.80	97	—	42	11th	21	14	0	0	1	6	—	—	—	—	—	—	—	—	4.25	—	26.8	
	Kensington	18-9	9	80	68.1	55.9	62.0	—	80	10th	57	17th	62.2	57.8	3.72	95	—	45	11th	15	11	0	0	1	2	0	0	0	0	0	0	0	0	4.30	—	27	
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Richmond (Kew Obs.)	2424	24	18	68.4	55.0	61.7	-1.0	79	10th	45	18th	61.5	57.2	3.00	76	+21	28	11th	11	9	0	0	0	3	0	0	0	0	0	0	0	0	4.09	-2.39	25	
	Stroud Green	18-7	7	212	68.3	54.7	61.5	—	80	10th	48	18th	—	—	3.02	77	—	20	11th	14	10	0	0	0	3	1	0	0	0	0	0	0	0	—	—	—	
	Tottenham	2121	9	51	70.3	56.4	63.3	—	81	10th	50	18th	—	—	5.88	2.37	60	—	19	6th	16	12	0	0	0	2	—	—	—	—	—	—	—	—	4.36	-2.26	27
Westminster	9	9	27	68.8	56.9	62.9	-0.3	80	10th	50	18th	—	—	2.28	58	+2	15	6th	15	12	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	-1.63	26	
Surrey	Addington	9	9	472	65.2	53.6	59.4	—	77	10th	46	18th	—	—	3.06	78	—	14	27th	19	12	—	—	—	—	—	—	—	—	—	—	—	—	—	4.25	—	27
	Croydon Aero.	18-7	7	244	67.5	54.3	60.9	—	78	10, 11	46	18, 20	—	—	2.65	67	—	21	1st	15	9	0	0	0	5	1	0	0	0	0	0	0	0	4.06	-2.68	25	
	Wisley	9	9	150	68.9	54.4	61.7	0.0	79	10, 11	44	18th	62.9	58.0	2.68	68	+20	33	11th	18	11	0	0	1	3	1	0	0	0	0	0	0	0	4.06	-2.68	25	
Kent.	Biggin Hill	18-7	7	597	65.8	53.2	59.5	—	76	10, 11	45	18th	—	—	3.65	93	—	16	1st	22	19	0	0	0	3	4	0	0	0	0	0	0	4.49	—	28		
	Bromley	9	9	213	68.0	54.3	61.1	—	80	10th	47	18, 20	—	—	2.60	66	—	20	6th	15	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Canterbury	9	9	124	67.6	54.3	60.9	—	79	10th	45	20th	61.6	57.8	5.02	127	—	49	6th	15	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Deal	9	9	25	67.7	55.8	61.7	—	80	10th	52	17, 24	61.5	5																							

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE and of WEATHER OBSERVATIONS, JULY, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.							BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Hours per day.					
					A	B		Maximum.	Date.	Minimum.					Date.	Amount.										Date.	Daily Mean.	Deviation from Normal.	Per Cent.		
	°F.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	hr.	hr.	%			
5. ENGLAND, S.E.—cont.																															
Hampshire	Calshot	18-7	7	8	68.6	56.4	62.5	—	83	10th	49	24th	60.4	—	2.31	59	—	19	1st	18	11	0	0	0	0	0	0	0	4.82	—	30
—(cont.)	Grayshott	9 9 9	661	65.6	52.9	59.3	-0.9	77	10, 11	46	18th	60.4	—	3.47	58	+26	21	1st	23	16	0	0	0	0	0	0	0	4.24	-2.70	27	
	Long Sutton	9 9 9	479	66.8	53.5	60.1	—	78	10th	44	18th	61.6	—	2.59	66	—	18	1st	17	13	0	0	0	0	0	0	0	3.95	—	25	
	Petersfield (Stoner Hill)	9 9 9	748	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Portsmouth	9 9 9	15	67.3	57.0	62.1	-0.5	80	10th	51	18th	63.3	60.3	2.28	58	+6	27	1st	19	11	0	0	0	0	0	0	0	4.61	—	29	
	Southamp'n	2121	9	64	68.6	55.6	62.1	-1.0	81	10th	48	24th	—	—	2.77	71	+13	26	1st	21	11	0	0	0	0	0	0	4.93	-2.13	31	
	S. Farnboro'	18-7	7	230	68.0	53.8	60.9	—	81	10th	42	18th	—	—	4.02	102	—	31	10th	19	12	0	0	0	0	0	0	4.08	—	25	
	Winchester (Worthy Down)	18-7	7	272	66.6	53.8	60.2	—	78	10th	44	18th	—	—	3.82	97	—	25	1st	21	12	0	0	0	0	0	0	3.92	—	25	
I. of Wight.																															
	Newport	9 9 9	48	69.0	54.3	61.7	—	82	10th	43	18th	—	—	2.66	68	—	25	1st	16	11	0	0	0	0	0	0	—	—	—		
	Ryde	9 9 9	13	66.9	56.3	61.6	—	80	10th	52	6, 18, 24	—	—	2.36	60	—	26	1st	16	10	0	0	0	0	0	0	0	4.87	—	31	
	Sandown	9 9 9	30	66.3	55.6	60.9	—	78	10th	45	18th	—	—	3.35	85	—	31	1st	22	14	0	0	0	0	0	0	0	4.78	—	30	
	Totland Bay	9 9 9	140	65.3	55.7	60.5	-0.5	79	10th	48	18th	—	—	2.89	73	+24	29	1st	18	14	0	0	0	0	0	0	0	4.02	-3.66	25	
	Ventnor (Hospital)	9 9 9	59	66.1	56.7	61.4	-0.4	79	10th	53	18th	—	—	3.61	92	+41	35	1st	18	12	—	—	—	—	—	—	—	—	—		
	(Public Pk.)	9 9 9	196	65.6	56.0	60.8	—	77	10th	53	3, 15, 17	63.1	57.8	3.33	85	—	32	1st	14	10	0	0	0	0	0	0	0	4.52	-2.80	29	
Wilts.																															
	Larkhill	9 9 9	440	66.7	53.4	60.1	—	77	10th	47	17, 18	—	—	3.00	76	—	18	13th	16	14	0	0	0	0	0	0	0	—	—	—	
	Marlboro'	9 9 9	424	65.8	52.6	59.2	-0.5	77	10th	41	18th	61.2	57.2	4.59	117	+55	45	11th	19	14	0	0	0	0	0	0	0	3.10	-2.93	19	
	Porton	9 9 9	363	66.6	51.7	59.1	—	77	10th	39	18th	60.3	—	2.38	60	—	21	1st	18	11	0	0	0	0	0	0	0	3.70	—	23	
7a. ENGLAND, N.W.																															
Cumber-	Aspatia	2121	9	487	66.1	53.3	59.7	+1.6	76	10th	46	17th	57.4	52.9	4.53	115	+23	20	5th	20	15	0	0	0	0	0	0	0	5.22	-0.59	31
land.	(Mealsgate)	9 9 9	254	67.2	54.2	60.7	—	78	10th	46	9, 17	58.5	53.5	6.17	157	—	29	14th	21	16	0	0	0	0	0	0	0	4.60	—	28	
	Newton Rigg	2121	9	559	66.7	52.1	59.4	+1.0	78	10th	42	8th	—	—	4.89	124	+46	34	27th	17	16	0	0	0	0	0	0	5.16	-0.68	31	
Lancashire.																															
	Blackpool	9 9 9	66	67.0	54.6	60.8	+1.5	73	8th	45	8th	59.5	54.6	2.80	71	-3	14	5th	15	12	0	0	0	0	0	0	0	4.81	-1.90	29	
	Blundellsands	9 9 9	34	—	—	—	—	—	—	—	—	—	—	3.60	91	—	18	6th	18	14	—	—	—	—	—	—	—	—	—		
	Bolton	9 9 9	341	67.2	54.1	60.7	—	77	10th	48	17th	58.8	54.7	3.69	94	—	17	25th	19	15	0	0	0	0	0	0	0	2.95	—	18	
	Burnley	9 9 9	458	66.4	52.3	59.3	—	78	10th	45	8th	59.1	54.4	4.73	120	—	36	21st	19	16	0	0	0	0	0	0	0	3.71	—	23	
	Darwen	2121	9	724	65.5	51.8	58.7	—	77	10th	47	8th	59.3	54.0	5.72	145	—	23	27th	22	18	0	0	0	0	0	0	0	2.99	—	18
	Hutton	9 9 9	82	67.8	53.9	60.9	—	77	10th	45	17th	59.5	55.0	3.36	85	—	19	5th	15	12	0	0	0	0	0	0	0	3.40	—	21	
	Lancaster	9 9 9	311	69.6	54.3	61.9	—	82	10th	48	9th	59.2	55.3	4.26	108	—	29	27th	19	14	0	0	0	0	0	0	0	4.25	—	26	
	Leyland	9 9 9	124	67.2	53.9	60.5	—	75	10th	47	17th	—	—	4.06	103	—	19	5th	19	15	0	0	0	0	0	0	0	3.56	—	22	
	Manchester (Whitworth Pk.)	2121	9	125	68.2	54.3	61.3	+0.5	78	10th	50	25th	—	—	1.87	48	-36	15	6th	18	10	0	0	0	0	0	0	3.54	-1.49	22	
	(Oldham Road)	2121	9	190	68.6	54.9	61.7	+0.2	79	10th	48	27th	60.3	56.8	2.48	63	-19	14	15th	19	13	0	0	0	0	0	0	3.16	-1.49	19	
	(Swinton)	9 9 9	253	68.2	53.8	61.0	—	78	10th	49	17, 25	—	—	56.0	2.98	76	—	17	15th	19	14	0	0	0	0	0	0	2.96	—	18	
	Morecambe	9 9 9	24	68.8	56.0	62.4	—	77	10th	49	8th	—	—	3.61	92	—	25	27th	17	15	0	0	0	0	0	0	0	5.00	—	30	
	Southport	9 9 9	37	66.9	55.0	60.9	+1.5	73	8th	48	8th	63.3	59.8	2.88	73	0	19	5th	19	15	0	0	0	0	0	0	0	4.58	-1.97	28	
	Stonyhurst	9 9 9	377	66.5	54.0	60.3	+1.6	78	10th	49	8, 19	—	—	4.93	125	+27	18	25th	20	17	0	0	0	0	0	0	0	3.61	-2.04	22	
Cheshire.																															
	Hoylake	9 9 9	30	67.5	54.1	60.8	+0.7	72	30th	46	2, 8	—	—	3.82	97	+35	17	12th	17	17	—	—	—	—	—	—	—	—	—		
	Liverpool (Bidston)	18-7	7	189	65.7	54.9	60.3	+0.3	72	8, 12	51	2, 29	—	—	4.02	102	+36	32	12th	18	13	0	0	0	0	0	0	4.61	—	28	
	Macclesfield	9 9 9	500	67.0	52.6	59.8	+0.7	74	10th	46	17th	—	—	5.15	131	+48	54	11th	19	15	0	0	0	0	0	0	0	—	—	—	
	Wallasey	9 9 9	35	67.1	55.2	61.1	—	75	8th	49	8th	—	—	3.39	86	—	20	12th	19	13	0	0	0	0	0	0	0	4.07	—	25	
	West Kirby	9 9 9	25	67.3	53.8	60.5	—	73	8th	49	1, 29	—	—	3.96	101	—	17	8th	18	17	0	0	0	0	0	0	0	4.83	—	29	
7b. NORTH WALES.																															
Flint.	Hawarden B'ge	9 9 9	22	68.1	55.0	61.5	+0.8	76	30th	49	29th	—	—	2.37	60	—	23	27th	17	14	—	—	—	—	—	—	—	—	—		
	Rhyl	9 9 9	30	66.8	53.6	60.2	+0.8	73	30th	45	8, 17	—	—	1.58	40	-16	11	5th	19	9	0	0	0	0	0	0	0	5.43	-1.09	33	
	Sealand	18-7	7	16	67.1	53.2	60.1	—	73	30th	44	17th	59.5	56.1	2.95	75	—	26	27th	20	14	0	0	0	0	0	0	3.99	—	24	
Anglesey.	Holyhead	18-7	7	26	63.0	54.7	58.9	+0.4	68	18th	49	8th	—	—	1.64	42	-24	11	4th	14	12	0	0	0	0	0	0	5.31	—	32	
Denbigh.	Colwyn Bay	9 9 9	81	66.7	55.8	61.3	—	71	6, 30	49	17th	—	—</																		

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Month of JULY, 1927.

DISTRICT, COUNTY AND PLACE	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS															
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.										
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
			0	1	2	3	4	5	6	7	8	9																										
0. SCOTLAND, N.																																						
Shetlands. Lerwick ...	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
	1	59	1012.0	—	53.2	1.2	12.6	91	8.5	0	1	4	11	15	0	1	0	1	0	0	1	14	14	0	0	1	20	10	4	1	1	3	6	0	2	4		
	7	59	1011.8	+0.3	54.3	1.6	12.7	89	8.1	0	4	3	11	13	0	2	0	1	0	2	0	8	18	0	0	0	26	5	8	1	2	3	7	2	1	2	4	
	13	59	1011.8	—	57.1	2.5	13.4	85	7.2	0	5	8	7	11	0	0	0	0	1	2	1	8	19	0	0	2	26	3	6	3	2	5	5	4	2	1	1	
18	59	1011.9	—	56.6	2.3	13.6	85	7.0	0	7	4	10	10	0	1	0	0	0	1	1	8	20	0	0	1	27	3	6	4	0	3	9	1	2	3			
Orkneys. Deerness ...	9	165	1011.8	—	55.3	2.0	12.8	87	7.7	0	3	7	6	15	0	1	2	1	2	1	1	1	20	2	0	9	21	1	4	1	5	6	7	2	4	1	1	
	21	165	1012.2	—	53.1	1.1	12.7	93	7.8	0	4	6	6	15	0	0	1	1	1	1	1	6	4	14	3	0	6	20	5	5	2	2	9	4	0	3	1	
Hebrides. Stornoway ...	7	41	1010.3	-1.9	56.1	1.6	13.7	91	7.7	1	5	0	14	11	0	0	0	0	1	2	4	19	5	0	0	3	14	14	0	9	1	1	2	2	2	0	0	
	13	41	1010.7	—	59.9	2.6	14.9	85	7.8	0	6	2	9	14	0	0	0	0	0	0	7	20	4	0	0	3	21	7	3	6	3	5	3	2	2	2	0	
	18	41	1010.6	—	59.4	2.7	14.3	84	6.3	0	8	7	9	7	0	0	0	0	0	0	0	17	9	1	0	7	16	8	4	7	2	3	3	3	1	1	0	
	21	41	1010.8	—	54.6	0.9	13.9	94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	15	11	3	8	2	1	2	3	1	0		
Caithness. Wick ...	1	97	1012.2	—	52.1	0.7	12.6	95	7.5	0	1	8	12	10	0	0	1	0	0	0	0	8	22	0	0	0	29	2	0	3	2	5	6	5	2	6		
	7	97	1012.0	-0.4	53.8	1.1	13.2	93	8.2	0	1	5	12	13	0	2	1	1	0	0	0	7	20	0	0	1	30	0	0	2	3	6	6	4	4	5	7	
	13	97	1012.3	—	56.7	2.3	13.6	85	7.9	0	1	7	11	12	0	0	0	0	1	0	0	10	20	0	0	3	28	0	2	6	2	8	6	2	1	4		
	18	97	1012.0	—	56.0	2.3	13.1	85	7.6	0	3	4	16	8	0	1	0	0	0	1	1	5	23	0	0	3	28	0	3	28	0	5	2	0	5			
Inverness. Inverness ...	9	250	1010.9	—	58.1	2.5	13.9	85	6.6	0	4	10	12	5	0	0	0	0	1	2	7	3	8	10	0	7	15	9	2	7	0	2	1	7	2	1		
	17	250	1010.6	—	61.0	3.5	14.6	80	5.8	3	2	13	11	2	0	0	0	0	0	1	6	4	8	12	0	9	20	2	5	11	0	1	4	5	2	1		
1. SCOTLAND, E.																																						
Nairn. Nairn ...	7	82	1011.2	-1.2	57.6	2.5	13.9	85	6.7	0	2	9	20	0	0	0	0	0	0	0	2	14	15	0	0	0	12	19	0	1	8	0	1	0	2	0		
	13	82	1011.0	—	63.5	4.9	14.3	73	6.3	0	1	15	15	0	0	0	0	0	0	0	0	2	13	16	0	0	1	23	7	0	10	8	1	1	1	3	0	
	18	82	1010.6	—	60.5	3.6	14.5	79	6.7	0	3	8	19	1	0	0	0	0	0	0	0	4	14	12	1	0	4	18	9	0	10	7	0	1	0	4	0	
Aberdeen. Aberdeen H	7	88	1012.1	-0.9	55.6	1.8	13.3	88	8.3	0	2	4	12	13	0	1	2	2	0	2	7	10	7	0	0	3	23	5	7	0	0	4	9	1	0	5		
	13	88	1012.1	-0.9	59.2	3.2	13.9	80	6.7	0	7	6	9	9	0	0	0	0	1	2	11	6	10	1	0	10	20	1	4	5	3	4	11	1	0	2		
	18	88	1011.8	-1.1	58.3	3.0	13.6	82	6.7	0	10	0	10	11	0	1	0	0	0	2	7	10	10	1	0	7	20	4	6	3	1	4	11	0	1	1		
	21	88	1012.4	-0.9	55.6	1.7	13.4	89	6.6	0	10	1	6	14	0	1	0	0	1	1	12	8	8	0	0	0	24	7	3	2	0	4	11	1	1	3		
88*	1012.0	-1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Aberdeen. Braemar ...	9	1114	1011.1	—	58.9	4.6	12.4	73	—	—	—	—	—	—	0	0	4	1	0	5	21	0	0	0	0	0	31	0	0	2	1	4	1	21	0	2		
†	9	1114	971.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Perth. Crieff ...	9	482	1011.4	—	58.5	2.8	14.2	83	8.0	0	4	4	8	15	—	—	—	—	—	—	—	—	—	—	—	0	9	22	0	0	0	11	1	4	5	8	2	
	21	482	1011.6	—	56.9	2.4	13.5	85	8.3	0	1	5	11	14	—	—	—	—	—	—	—	—	—	—	—	0	4	27	0	0	0	12	0	5	5	8	1	
Fife. Inchkeith ...	1	184	1011.6	—	55.0	1.3	13.5	91	7.4	1	3	8	6	13	0	3	1	0	0	0	0	6	21	0	0	3	26	2	2	7	7	4	3	3	3	0		
	7	184	1011.9	—	55.5	1.5	13.3	91	8.0	0	5	2	12	12	0	1	0	0	0	3	0	3	6	18	0	0	3	28	0	1	3	8	4	3	8	4	0	
	13	184	1011.5	—	60.4	3.6	13.9	79	6.9	0	6	4	14	7	0	0	0	0	0	0	3	9	18	1	0	5	25	1	0	5	12	3	2	4	4	0		
	18	184	1011.1	—	59.1	3.1	13.9	81	6.1	1	9	5	10	6	0	1	0	0	0	1	1	7	21	0	0	7	23	1	0	6	13	1	1	7	2	0		
Fife. Leuchars H	7	36	1011.9	—	56.7	1.9	14.0	89	8.2	1	3	1	12	14	0	0	0	1	0	3	11	5	11	0	0	2	29	0	3	6	6	3	2	5	5	1		
	13	36	1011.7	—	61.1	3.6	14.6	80	8.0	0	4	1	14	12	0	0	0	0	3	8	9	11	0	0	4	27	0	1	4	13	6	2	2	2	1			
	18	36	1011.4	—	59.6	3.0	14.4	83	7.0	1	4	6	11	9	0	0	0	0	2	2	10	17	0	0	4	24	3	0	3	10	5	7	0	3	0			
Edinburgh. Blackford Hill	9	441	1012.4	—	57.9	2.9	13.5	83	8.0	0	2	6	8	15	—	—	—	—	—	—	—	—	—	—	—	0	7	23	1	1	5	7	2	6	3	3	3	
	21	441	1012.3	—	56.0	2.3	13.1	85	7.5	0	5	6	6	14	—	—	—	—	—	—	—	—	—	—	—	0	4	23	4	0	6	7	4	7	0	3	0	
6a. SCOTLAND, W.																																						
Argyll. Tiree ...	7	36	1010.4	—	56.2	1.2	14.1	92	7.2	0	7	4	6	14	0	0	0	0	0	0	5	8	11	7	0	11	20	0	6	5	1	7	6	2	3	1		
	13	36	1010.8	—	60.1	2.6	14.9	85	6.0	0	9	11	4	7	0	0	0	0	1	0	1	4	16	9	0	13	18	0	7	3	0	9						

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JULY, 1927.

Table with columns for District, County and Place; Hour of Observation; Height of Barometer; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Durham, York, E. Riding, Lincoln, Norfolk, Suffolk, Cambridge, Hertford, Essex, Nottingham, Warwick, Oxford, Hereford, Gloucester, London, and Surrey.

* Mean of hourly readings

g Temperature from thermometers in a Glaisher stand.

WEATHER AT FIXED HOURS.

TABLE IV. (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of JULY, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 2	3 to 4	5 to 6	7 to 8	9 to 10	0	1	2	3	4	5	6	7	8	9	8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8a. SOUTH WALES—cont.																																					
Radnor.	Rhayader ...	9	—	—	59.3	2.2	14.8	87	7.5	0	3	7	10	11	0	0	0	0	5	1	10	4	11	0	1	5	22	3	3	5	2	3	2	3	5	5	
Glamorgan.	Cardiff ...	9	216	1012.2	—	61.0	2.9	15.2	83	8.0	1	3	4	6	17	0	0	0	1	8	8	8	6	0	0	0	31	0	1	4	9	3	2	5	6	1	
		21	216	1012.7	—	59.1	2.0	15.0	88	6.7	0	2	12	15	2	0	0	0	0	0	10	12	5	4	0	0	0	31	0	0	2	7	0	4	6	9	3
8b. ENGLAND, S.W.																																					
Somerset.	Bath ...	9	84	1011.7	—	62.0	3.6	15.1	80	8.4	1	3	1	7	19	0	0	0	0	1	13	6	11	0	0	6	24	1	1	4	6	2	4	6	4	3	
Dorset.	Holton Heath H	9	58	1012.6	—	61.9	3.1	15.4	81	8.3	1	1	3	13	13	0	0	0	0	1	9	21	0	0	0	7	23	1	4	5	0	3	3	10	3	2	
		15	58	1012.6	—	65.0	5.1	15.1	74	7.3	0	2	11	8	10	0	0	0	0	0	1	6	24	0	0	0	10	21	0	4	2	1	3	2	15	2	2
Dorset.	Portland Bill	1	37	1012.1	—	58.7	1.8	15.2	89	7.2	1	6	4	3	17	0	0	0	1	1	12	0	17	0	0	10	19	2	3	2	4	1	9	6	3	1	
		7	37	1011.9	-3.9	59.3	2.2	14.8	87	8.6	1	0	3	12	15	0	1	1	0	1	17	0	11	0	0	10	21	0	3	5	2	2	7	8	1	3	
		13	37	1012.3	—	61.6	2.8	15.9	84	8.3	0	2	3	13	13	0	0	0	0	3	19	0	9	0	0	14	16	1	1	2	1	3	10	8	4	1	
		18	37	1012.2	—	60.3	2.1	15.5	87	8.7	0	2	1	13	15	0	0	1	0	0	2	15	0	13	0	0	18	10	3	1	2	1	2	6	10	4	2
Devon.	Plymouth H (Cattewater)	7	27	1012.1	—	58.5	1.1	15.6	93	8.5	1	1	2	14	13	0	0	0	1	1	16	11	2	0	0	11	15	5	4	2	1	2	7	3	3	4	
		13	27	1012.5	—	62.7	2.9	16.3	84	7.4	0	5	5	14	7	0	0	0	1	9	9	12	0	0	17	14	0	1	0	0	1	11	12	1	1	5	
		18	27	1012.6	—	61.3	2.3	16.1	87	8.0	0	3	3	17	8	0	0	0	0	1	9	10	11	0	0	16	15	0	4	0	1	2	9	9	4	2	
Cornwall.	Pendennis ...	1	238	1012.4	—	57.7	1.0	15.4	94	7.7	1	3	5	8	14	0	0	1	0	0	7	15	6	2	1	13	13	4	6	2	0	1	4	6	6	2	
		7	238	1012.1	—	57.9	1.2	15.2	92	8.1	0	1	5	15	10	0	0	0	1	1	11	8	9	0	1	14	13	3	4	2	2	1	5	6	3	5	
		13	238	1012.8	—	62.7	3.2	16.1	82	7.5	0	1	10	11	9	0	0	0	0	1	0	6	11	12	1	1	20	8	2	3	0	0	3	7	8	4	4
18	238	1012.8	—	61.0	2.9	15.2	83	7.8	0	0	9	14	8	0	0	0	0	0	9	11	10	1	0	21	10	0	6	0	0	4	5	8	4	4			
Cornwall.	Newquay ...	9	161	1011.7	—	60.7	2.3	15.9	87	7.4	1	4	4	12	10	0	0	0	1	0	3	9	5	13	0	0	9	19	3	3	0	0	2	5	10	5	3
9. IRELAND, N.																																					
Sligo.	Markree Castle	9	127	1009.9	—	58.1	2.0	14.4	88	6.7	3	1	10	9	8	0	0	0	0	1	0	0	19	11	0	5	18	8	4	1	1	5	4	2	1	5	
		21	127	1010.2	—	58.8	2.4	14.8	87	7.1	1	2	11	9	8	0	0	0	0	4	0	0	17	10	0	4	20	7	5	0	1	5	3	4	0	6	
Mayo.	Blacksod Point	7	30	1009.3	—	57.2	1.0	14.9	94	7.7	0	2	6	11	12	0	0	0	0	2	3	7	15	4	0	10	14	7	3	2	3	2	5	2	3	4	
		18	30	1009.9	—	59.6	1.7	15.9	89	7.5	0	3	8	8	12	0	0	0	0	1	3	6	11	10	0	14	13	4	6	3	1	0	5	3	6	3	
Donegal.	Malin Head...	1	72	1010.4	—	55.2	1.1	13.7	93	6.4	0	9	5	10	7	0	0	1	0	0	5	14	10	1	0	11	16	4	3	2	3	2	9	1	3	4	
		7	72	1010.1	-3.0	56.5	1.6	14.3	90	6.5	0	7	4	18	2	0	0	0	1	1	4	11	14	0	0	11	20	0	3	2	4	5	7	1	5	4	
		13	72	1010.5	—	58.9	2.3	14.7	86	6.8	0	6	5	18	2	0	0	0	0	0	5	9	10	7	0	13	18	0	4	3	5	4	4	0	3	8	
18	72	1010.3	—	58.3	2.3	14.1	85	7.3	0	4	9	9	9	0	0	0	0	0	3	6	8	10	4	0	9	22	0	6	4	4	1	4	3	5	4		
Antrim.	Aldergrove H	7	245	1011.0	—	55.4	1.4	13.6	91	8.0	1	3	2	11	14	0	0	2	1	1	6	15	5	0	0	5	22	4	4	3	1	8	5	0	2	4	
		13	245	1010.9	—	62.8	4.6	14.6	75	8.1	0	1	4	18	8	0	0	0	0	2	7	8	13	1	0	12	19	0	2	3	3	7	6	2	3	5	
		18	245	1010.7	—	61.3	4.2	14.0	76	7.4	1	5	3	15	7	0	0	0	0	2	5	13	9	2	0	8	22	1	3	3	8	4	4	3	2		
Down.	Donaghadee	7	26	1011.5	-2.8	56.1	1.2	14.1	92	6.7	1	5	6	11	8	0	0	0	2	5	0	3	12	9	0	0	3	23	5	6	4	1	3	5	4	1	2
		13	26	1011.7	—	59.1	2.1	14.9	87	6.5	1	4	9	11	6	0	0	0	2	2	1	16	9	0	0	4	25	2	6	5	0	3	8	3	0	4	
		18	26	1011.4	—	59.0	2.1	14.9	87	5.9	2	4	13	8	4	0	0	0	0	2	1	3	11	14	0	0	3	24	4	7	2	0	2	8	5	0	3
		21	26	1011.7	—	56.3	1.2	14.1	92	6.7	0	2	13	10	6	0	0	0	1	2	1	2	12	13	0	0	5	22	4	6	1	0	1	6	7	2	4
Armagh.	Armagh H	9	209	1010.8	-3.6	59.4	3.0	14.2	82	7.0	3	0	8	11	9	0	0	0	0	2	2	6	20	1	0	3	16	12	2	1	1	7	5	0	1	2	
		21	209	1011.3	-3.2	57.0	2.0	14.0	88	5.7	6	5	4	7	9	0	0	1	0	0	2	4	1	22	1	0	2	13	16	1	0	1	3	7	2	0	1
10. IRELAND, S.																																					
Dublin.	Glasnevin † H	9	56	1010.8	—	60.7	3.9	14.6	80	7.9	0	0	11	8	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		21	56	1011.4	—	59.1	2.6	14.6	84	7.1	1	2	12	9	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
King's Co.	Birr Castle ...	7	173	1009.8	-5.3	56.4	1.5	13.8	91	7.4	0	4	4	17	6	0	0	1	0	1	8	20	0	0	0	4	27	0	3	2	3	3	8	2	3	7	
		13	173	1009.8	—	62.8	4.6	14.7	75	7.5	0	3	5	19	4	0	0	0	0	0	3	17	11	0	0	7	24	0	5	2	1	3	7	4	5	4	
		18	173	1009.3	—	63.6	5.2	14.6	72	7.5	0	2	5	20	4	0	0	0	0	1	4	19	7	0	0	11	20	0	6	1	2	1	10	3	4	4	
Waterford.	Seskin, Carrick-on-Suir	9	521	1009.8	—	59.3	2.7	14.3	84	6.5	3	6	3	9	10																						

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (i.e., snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director.

South Kensington, S.W.7, August 25th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV, also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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Vol. 44, No. 8.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

AUGUST, 1927: UNSETTLED AND WET,

General.—Apart from a few fine days at the beginning and end of the month, the weather during August was very unsettled and wet.

On the 1st an anticyclone was centred over south-west Ireland and, apart from continuous rain in the south-east of England, associated with a depression over France moving in a north-north-easterly direction, mainly fair showery weather prevailed in most districts. As the anticyclone moved eastwards fine, warm weather became established and prevailed up to the 5th, by which time the anticyclone had passed to Scandinavia. The development of thunderstorms locally on the 5th and 6th marked the end of the fine weather, and from then until near the end of the month the passage of a series of depressions across or near the British Isles maintained unsettled wet weather except in the north of Scotland where fair conditions prevailed. After the 24th a high pressure system to the south of the British Isles extended its influence over the southern districts with a consequent improvement in the weather and in many districts little or no rain fell during the remainder of the month; in the north and north-west unsettled weather persisted, but during the last few days of the month fair to fine warm weather prevailed generally.

The following remarks taken from observers' notes illustrate the character of the weather of the month:—Southport—The remarkable deficiency of west-north-westerly and north-westerly winds—Southport's principal summer sea breezes—continued and the duration of light easterly to southerly airs was again considerable. The month was, therefore, warm, dull and thundery with a marked excess of rainfall. Huddersfield (Oakes)—Mild and very wet. Giggleswick—Mild and very dull. Copdock—After the deluge on the 1st hopes were raised by three brilliant and beautiful days, but they were doomed to disappointment by a spell of weather from the 5th to the 20th about as unpleasant as could be well imagined: nearly 3½ inches of rain fell in this period and harvest prospects looked very dismal—conditions, however, improved and from the 21st onwards there was practically no rain, and although the sunshine was not over abundant the weather was good enough to enable harvesting operations to make rapid progress. Halstead—The weather was remarkable for the long spell of wet weather which lasted almost without a break from the 5th to the 25th. Littlehampton—The weather of the month was mainly dull and unsettled with much rainfall. Totland Bay—The mean relative humidity of 84 per cent. is the highest recorded at 9h. in any preceding August during the past 33 years. Dublin—August 1927 was one of the wettest summer months experienced in Dublin since the record wet August of 1917. Only at the beginning and the close was the weather fine and comparatively settled. Cork—A dull cloudy month with temperature below the normal and a persistent rainfall slightly in excess of the average.

Pressure and Winds.—For the third consecutive month, the mean pressure was below the normal in all districts and was more than 5 millibars below the normal in southern Ireland. The prevailing winds were south-westerly.

High winds, reaching gale force locally about the 17th, 21st and 27th, occurred frequently between the 6th and 31st. At Lerwick on the afternoon of the 27th the wind in a south westerly gale attained a mean hourly velocity of 45 m.p.h. and in a gust touched 64 m.p.h.

Temperature.—The mean temperature of Districts 1-10 was 59.2°F. and was 0.8°F. above the normal. The mean temperature was above the normal in all Districts except the Channel Isles and Scilly but the departures from the normal were small, ranging from +1.5°F. in Scotland N. to -0.1°F. in the Channel Isles and Scilly.

The highest temperatures occurred during the first week and the last few days of the month, and the lowest screen temperatures towards the end of the month in most districts. Ground frost occurred at a few stations in Scotland.

The extreme temperatures for the month were:—(England and Wales) 80°F. at Cullompton on the 5th and at Cranwell, Mursley and Rhyl on the 6th, 34°F. at Castleton on the 30th; (Scotland) 78°F. at Ruthwell on the 5th and 30°F. at Braemar on the 25th; (Ireland) 77°F. at Waterford on the 5th, 38°F. at Killarney on the 4th and 5th and at Dublin (Phoenix Park) on the 5th.

The mean temperature for the summer quarter ending August 1927 was normal in Scotland N. and less than a degree Fahrenheit below the normal in the remaining districts; the mean deficiency for the British Isles as a whole amounting to about 0.5°F. There were no remarkably hot spells during the summer, the highest temperature recorded during the season being 85°F. at London (Greenwich and Camden Square) on July 16th.

Precipitation.—The outstanding feature of the weather of August was its wetness, and except in the north and north-west of Scotland

and in parts of the north of Ireland and in one or two small areas in England, monthly totals of rainfall were well above the normal. At most stations the number of days on which rain fell exceeded twenty, and at Marchmont there were only three days immune from rain.

The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 140, the highest value recorded since August 1917; the values for the constituent countries were: England and Wales 155; Scotland 121; Ireland 126. Over England and Wales as a whole, August 1917 was wetter with the general precipitation amounting to 210 per cent. of the normal; over Scotland and Ireland August 1923 was wetter, the general precipitation amounting to 161 per cent. and 147 per cent. respectively.

In some north and north-western districts of England and Wales monthly totals exceeded twice the normal. At Durham, Giggleswick and West Kirby the month was the wettest August since observations commenced in 1850, 1906 and 1900 respectively. At Bath the total for the month has been exceeded in August only once since 1899, viz., in August 1917. Heavy rain fell on the 8th in northern and eastern districts, amongst the largest falls on that day being 58mm. at Harrogate, 44mm. at Spurn Head, and 43mm. at Cockle Park. Heavy falls were again recorded between the 17th and 20th and in most districts of England and Wales, the week ending August 20th was the wettest week during the month; in the Midland Counties the total general rainfall for the week was almost four times the normal. Amongst large daily falls during this period were 45mm. at Bradford and Scarborough and 50mm. at Huddersfield on the 18th. At Fowey 87mm. were measured on the morning of the 31st. In some eastern districts of England and Wales little rain fell after the 21st.

In the north and north-west of Scotland there was a decided deficiency, this being particularly marked in Orkney and Shetland where the month's total was less than half the normal, while the remainder of Scotland, except for a small district in the south-west had aggregates much in excess of the normal. Exceptionally heavy falls were recorded in many districts, particularly from the 5th to the 12th. The rain storms of the 8th and 9th were of unusual intensity in central Perthshire and the Lothians. In Edinburgh the month was the wettest August since 1770, with the possible exceptions of 1829 and 1877.

In some northern districts of Ireland there was a deficiency, but elsewhere monthly totals exceeded the normal.

Thunderstorms occurred frequently, mostly around about the 6th and the 24th. In Scotland thunderstorms occurred over limited or more or less wide areas, on as many as 21 days:—on the 1st, from the 4th to the 13th, from the 17th to 19th, from the 21st to 24th and on the 26th, 28th and 30th. The most general storms were those of the 5th and 9th which involved the greater portion of Scotland, south of the Caledonian Canal, and resulted in serious flooding in central Perthshire and the Lothians. Others of importance occurred on the 21st in the north and north-east and on the 23rd in the south and south-west.

A correspondent at Lutterworth states that the three months ended August were remarkable for the frequency of thunderstorms in that district and that during this period thunder was heard on 19 days, the largest number recorded in this period "during at least the last 12 years."

Sunshine.—For the third consecutive month the mean daily duration of sunshine was above the normal in Scotland N. Sunshine totals were above the normal in Ireland N., about normal in Scotland W. and E. and England E., and below the normal in the remaining English Districts and in Ireland S. The largest mean daily excess was 0.89 hrs. and occurred in Scotland N. (mean daily duration 4.58 hrs.) and the largest deficiency was 1.10 hrs. and occurred in the Midland Counties (mean daily duration 4.33 hrs.).

During the short periods of fair to fine weather associated with an anticyclone or a wedge of high pressure, good sunshine records were recorded in several districts notably between the 2nd and 5th, on the 17th, between the 23rd and 25th and on the 29th and 30th. Amongst the largest daily amounts recorded were 14.4 hrs. at Littlehampton on the 3rd, 13.3 hrs. at Southport on the 17th, 13.4 hrs. at Leuchars on the 25th, 12.8 hrs. at Llandudno on the 29th, 12.5 hrs. at Cahirciveen on the 30th and 12.0 hrs. at Tiree on the 28th and 30th.

Fog.—Fog occurred locally on various days. It occurred most frequently in Scotland and northern England.

Miscellaneous Phenomena.—Halos of 22° were observed at many stations on various dates. Sun pillars were observed at Oxford on the 18th and at Stonyhurst on the 21st. Aurora was observed in Scotland on the 17th, 20th, 21st, 27th, 29th and 31st.

TABLE I.—DISTRICT VALUES—AUGUST, 1927.

[1908.]

DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount (1-10).				PRESSURE. MEAN SEA LEVEL.				
	Means of						At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h 9h	13h 15h	17h 18h 21h	Highest	Date.	Lowest	Date.	
	Highest.	Lowest.	Daily Max.	Daily Min.	** Adjusted Daily Mean	Deviation from Normal.																			°F.
0. SCOTLAND, N. ...	75	37	62.3	50.5	56.1	+1.5	—	—	—	—	3.24	82	-24	18	4.58	+0.89	30	7.5	7.2	7.5	7.0	1028	30	990	21
Eastern.																									
1. SCOTLAND, E. ...	75	30	63.9	50.0	56.5	+0.7	—	—	—	—	4.87	124	+44	21	4.78	+0.08	32	6.5	7.4	6.6	7.2	1029	30	989	22
2. ENGLAND, N.E. ...	80	34	66.3	52.6	59.0	+0.8	59.5	+0.1	56.8	+0.2	4.72	120	+53	19	4.72	-0.55	32	5.7	7.5	7.6	7.2	1029	30	988	22
3. ENGLAND, E. ...	79	42	68.8	55.1	61.5	+1.4	63.1	-0.4	60.2	-0.3	3.08	78	+22	18	6.09	+0.04	42	4.5	6.7	6.4	5.8	1029	3	996	22
4. MIDLAND COUNTIES ...	80	37	67.6	52.8	59.8	+0.8	59.9	+0.4	57.2	+0.4	4.35	110	+45	19	4.33	-1.10	29	—	7.4	7.6	6.6	1029	30	988	22
5. ENGLAND, S.E. ...	79	40	68.0	54.9	61.1	+0.2	63.0	+0.3	60.9	+0.7	3.74	95	+36	19	5.96	-0.52	41	5.7	7.4	7.4	6.6	1028	3	996	22
Western.																									
6. SCOTLAND, W. (& I. of Man)	78	36	65.1	51.7	58.0	+1.4	—	—	—	—	4.95	126	+14	23	4.80	+0.04	32	—	7.9	7.4	7.2	1028	30	988	22
7. ENGLAND, N.W. (& N. Wales)	80	36	65.6	53.7	59.3	+1.0	60.3	+0.2	57.7	-0.2	5.98	152	+60	22	4.78	-0.41	32	6.3	7.6	7.2	6.5	1027	3, 30	986	22
8. ENGLAND, S.W. (& S. Wales)	80	38	66.0	54.6	60.0	+0.6	62.7	-0.4	60.2	-0.5	4.88	124	+40	20	5.59	-0.45	39	6.6	7.2	7.0	7.0	1028	3, 26	989	22
9. IRELAND, N. ...	74	40	64.3	52.1	57.8	+0.8	61.0	+0.5	57.9	+0.4	5.01	127	+29	23	4.05	+0.36	31	5.7	7.0	7.1	6.7	1026	30	984	21
10. IRELAND, S. ...	77	38	65.6	53.0	58.9	+0.4	59.5	-1.1	58.0	-0.5	5.09	129	+31	22	4.79	-0.18	33	—	7.4	7.5	7.3	1027	25	984	21
11. CHANNEL I. (& Scilly)	79	51	66.4	57.1	61.5	-0.1	65.5	+1.4	63.2	+1.3	3.17	81	+16	18	7.40	-0.15	51	5.2	6.4	6.3	5.7	1028	26	996	22
Mean : DISTRICTS 1—10	80	30	66.1	53.1	59.2	+0.8	61.1	-0.1	58.5	0.0	4.67	119	+37	21	5.05	-0.27	34	5.9	7.3	7.2	6.8	1029	—	984	—

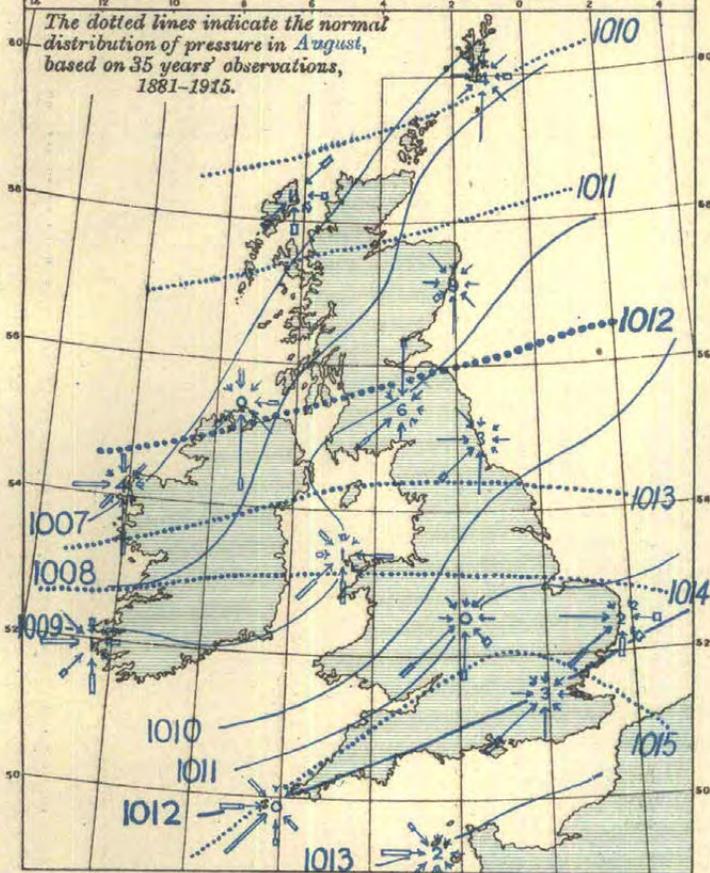
TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—AUGUST, 1927.

[1914.]

DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buil. ing.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.		°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	33†	27	6	6	49	235	370	84	0	230	45	20	27	14	64	30	27	16	0
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	1	8	195	444	72	25	240	32	14	27	10	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	70	42	33†	—	0	—	0	68	533	143	0	220	24	11	27	14	40	18	27	6	35
Kincardine Balmakewan ...	140	25	18	—	0	—	0	23	(340)	(381)	0	270	22	10	27	11	41	18	27	11	5
Edinburgh Edinburgh ...	485	39	31†	—	0	2	13	147	453	131	0	230	28	13	27	8	47	21	26	22	45
6a. SCOTLAND, W.																					
Argyll Tiree ...	80	55	48†	—	0	4	47	327	339	31	0	210	37	17	27	3	55	25	27	3	15
Renfrew Paisley ...	188	81	15	—	0	—	0	18	461	265	0	190	19	8	27	5	47	21	27	6	45
Dumfries Eskdalemuir ...	825	50	22	—	0	1	13	165	373	193	0	240	30	14	27	10	47	21	27	11	30
2. ENGLAND, N.E.																					
Durham South Shields ...	62	46	20	—	0	—	0	57	450	237	0	350	20	9	19	12	36	16	27	10	25
York, E.R. Spurn Head ...	67	42	35†	—	0	7	24	390	303	24	3	140	30	13	20	13	43	19	23	12	55
Lincoln Cranwell ...	284	44	26†	—	0	2	8	206	420	110	0	210	27	12	22	12	51	23	22	14	0
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	33†	—	0	3	15	201	451	77	0	170	31	14	9	14	41	18	22	11	30
Suffolk Felixstowe Aero. ...	55	40	25	—	0	3	16	321	(296)	(111)	0	190	33	15	22	14	45	20	22	13	15
Essex Shoeburyness ...	115	104	14†	—	0	2	12	262	343	127	0	210	31	14	22	15	46	21	22	13	10
4. MIDLAND COUNTIES.																					
Warwick Birmingham ...	643	118	18	—	0	—	0	138	542	64	0	250	21	9	27	11	45	20	27	9	40
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs)	82	65	22	—	0	1	6	171	459	108	0	230	28	12	22	14	48	21	22	12	30
Surrey Croydon ...	284	40	24	—	0	—	0	134	506	104	0	230	22	10	22	12	43	19	22	14	45
Kent Dover ...	61	32	22	—	0	5	50	353	260	41	40	—	35	16	20	23	54	24	22	15	45
Kent Lympne ...	409	70	55†	—	0	5	23	337	368	16	0	210	34	15	22	11	48	21	22	11	45
Hampshire Petersfield ...	811	42	34†	—	0	—	—	—	No Record	—	—	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' Tower	444	160	14	—	0	1	5	187	467	85	0	230	26	12	22	14	45	20	22	12	40
Hampshire Calshot ...	55	45	31†	—	0	10	63	378	(245)	(58)	0	240	35	16	22	16	47	21	22	14	0
Hampshire Worthy Down ...	314	43	27†	—	0	1	1	145	396	187	15	210	25	11	22	13	46	21	22	15	25
Wiltshire Larkhill ...	526	51	34†	—	0	6	33	355	(340)	(16)	0	260	31	14	15	16	44	20	15	16	35
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	112	50	12	—	0	4	9	250	364	121	0	290	28	13	22	22	44	20	27	10	55
Lancashire Southport ...	77	59	45†	—	0	7	25	279	423	17	0	260	34	15	14	24	43	19	15	0	10
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	29†	—	0	2	12	307	341	84	0	80	30	13	18	7	47	21	27	4	36
Flint Sealand ...	77	61	49†	—	0	—	—	—	Instrument	dismounted	—	—	—	—	—	—	—	—	—	—	—
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	11	66	396	238	44	0	—	31	14	22	2	47	21	17	23	50
Cornwall Pendennis Castle	256	65	24	17, 21	3	17	152	328	206	55	0	—	40	18	21	12	53	24	15	14	35
Dorset Lyme Regis ...	554	59	56†	—	0	3	11	130	(291)	(312)	0	—	27	12	15	23	41	18	15	23	20
9. IRELAND, N.																					
Donegal Dunfanaghy ...	180	47	39	—	0	—	—	—	Defective	—	—	—	—	—	—	—	—	—	—	—	—
Antrim Aldergrove ...	282	40	27	—	0	—	0	92	532	120	0	220	24	11	27	1	40	18	27	0	25
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)	49	27	16	—	0	7	35	259	367	83	0	10	34	15	18	10	—	—	—	—	—
Clare Quilty ...	100	40	32†	—	0	3	11	341	315	61	16	—	30	13	27	2	43	19	27	2	0
Kerry Cahirciveen (Val.O.)	98	41	34†	—	0	4	7	372	309	56	0	150	28	13	19	24	44	20	6	16	5
Cork Weaver Pt. ...	160	30	21†	—	0	2	16	198	358	129	43	—	29	13	18	8	44	20	15	13	30
11. SCILLY ISLES.																					
St. Mary's ...	160	42	35†	15	1	16	129	408	187	19	0	310	39	17	15	20	49	22	15	20	5

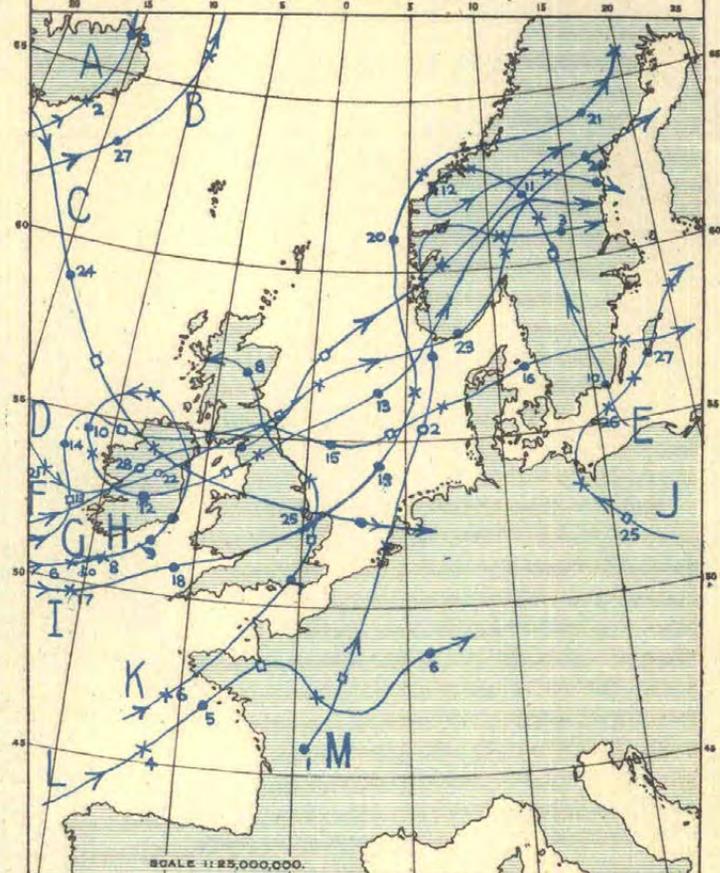
†† Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
 † Standard mounting.
 ** District values of mean temperature in the Monthly Weather Reports from 1917 to 1922 are not comparable with those for other years. Corrected values are printed in the Preface for 1922.

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



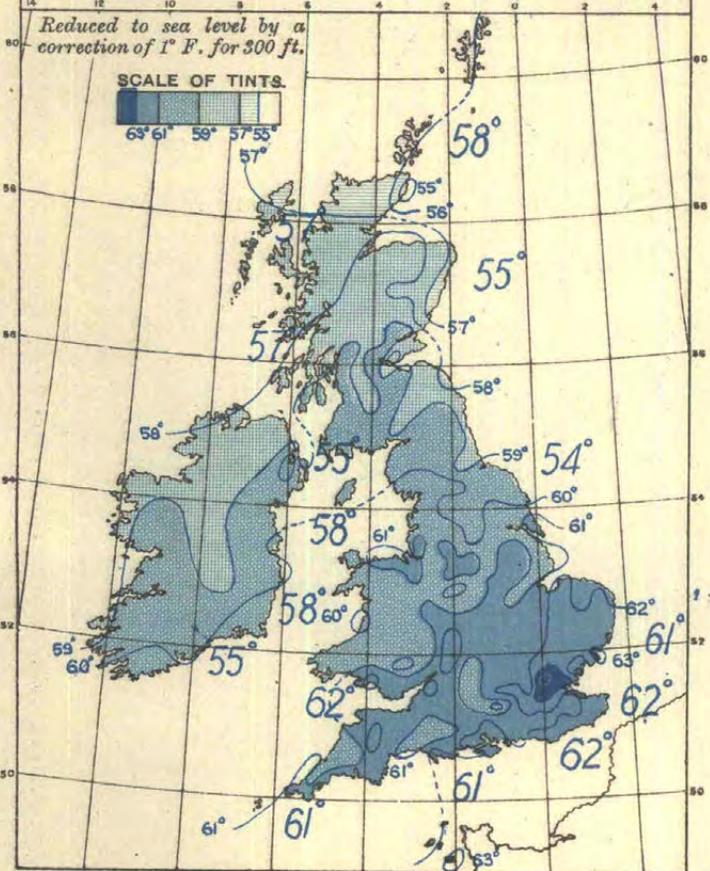
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 LIGHT TO STRONG
 MODERATE GALE
 30 Obs. 1 inch

2. MOVEMENTS OF DEPRESSIONS.



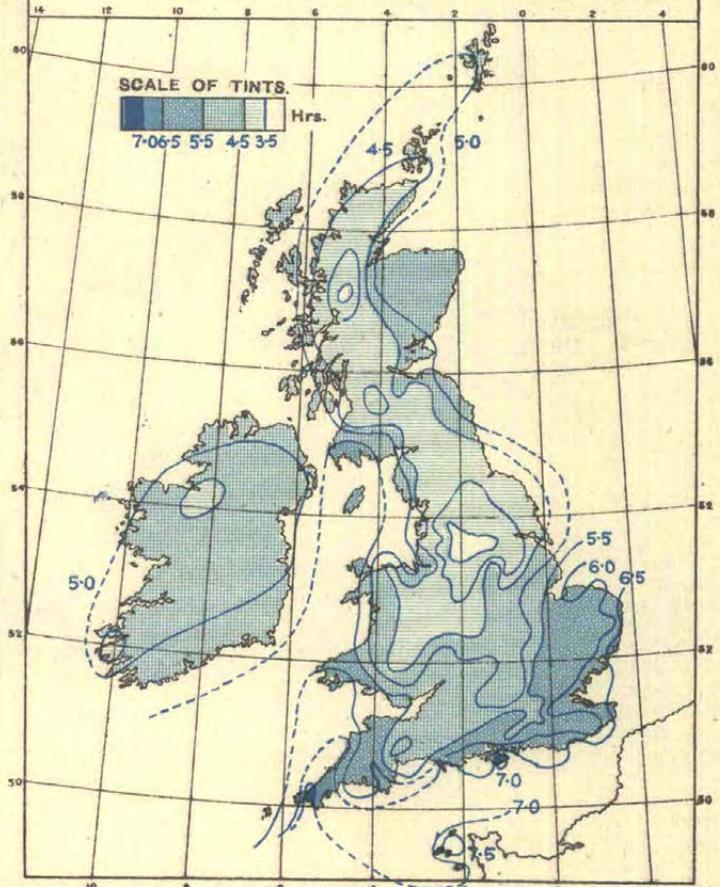
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

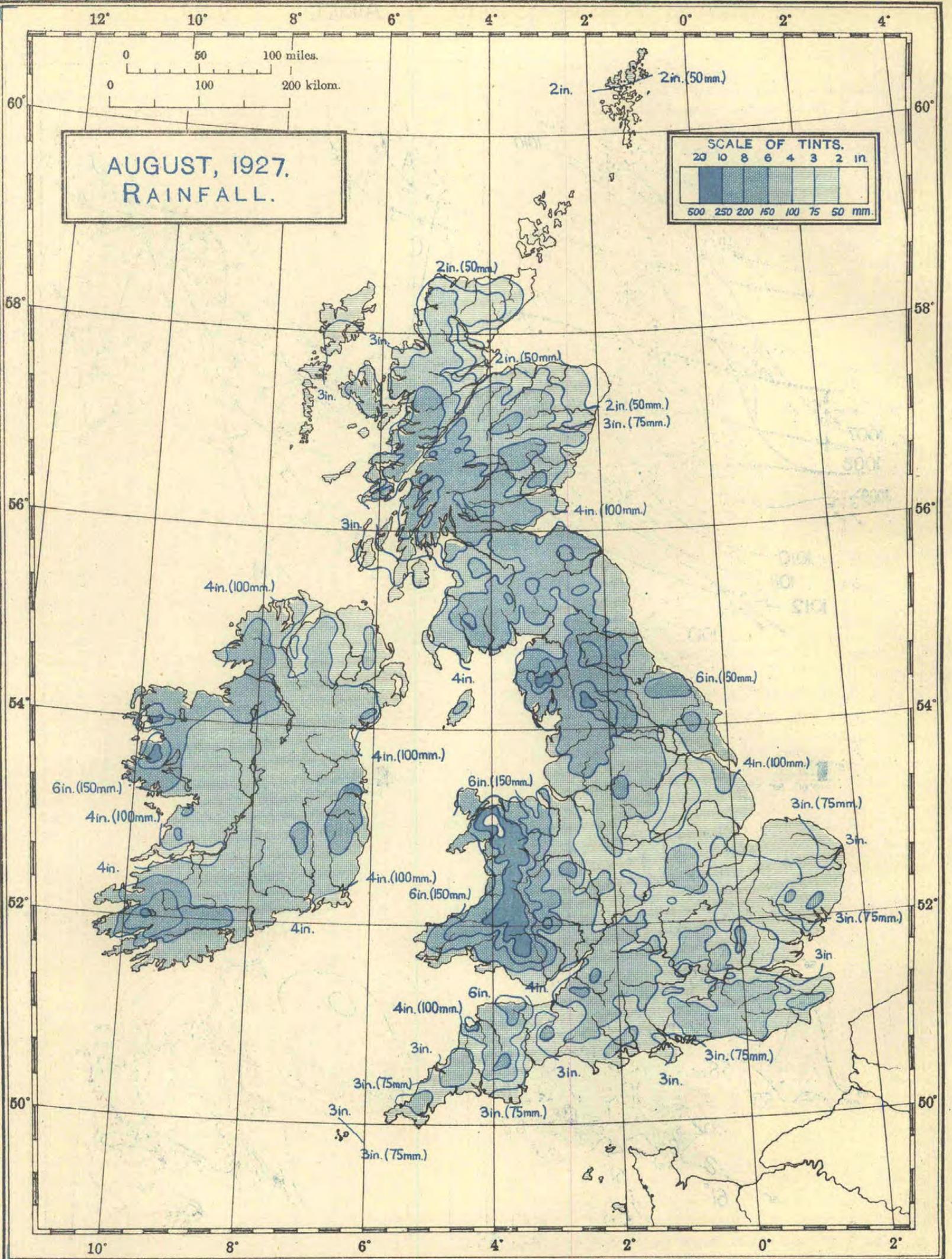


Sea temperatures are shown in large figures, thus: 55°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 310/1565. Wt. 122A. D. 26. 1125. 9/27.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, AUGUST, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER. Number of days.							BRIGHT SUNSHINE.								
			Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.	Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.							
			A	B			Maximum.	Date.	Minimum.						Date.	0.2 mm. or more.										1 mm. or more.						
2. ENGLAND, N.E.																																
Northumberland.	Berwick-on-T.	9 9 9	76	62.5	51.3	56.9	—	70	3rd	45	16,20,30	—	—	6.56	167	—	45	8th	17	16	0	0	0	0	0	0	0	0	5.37	—	36	
	Bellingham	9 9 9	848	64.2	48.8	56.5	—	71	6th	39	30th	—	—	7.00	178	—	39	8th	24	19	—	—	—	—	—	—	—	—	—	—	—	
Durham.	Cockle Park	2121 9	324	64.4	49.7	57.1	+1.1	70	7th	44	20,29,30	57.4	56.1	4.64	178	+38	43	8th	24	19	0	0	0	0	0	0	0	0	4.51	-0.62	30	
	Tynemouth	18-7 7	67	63.2	53.6	58.4	+0.7	70	10th	47	30th	—	—	4.85	123	+53	34	8th	23	14	0	0	0	0	0	0	0	0	—	—	—	
	Chopwellwood	9 9 9	445	67.7	47.9	57.8	—	74	4, 5, 6	39	30th	—	—	5.15	131	—	37	8th	22	17	0	0	0	0	0	0	0	0	0	4.38	—	29
	Durham	2121 9	336	65.4	49.9	57.7	-0.2	73	4th	38	30th	—	—	6.23	158	+95	36	8th	20	17	0	0	0	0	0	0	0	0	4.26	-0.51	29	
York, N. Riding.	Houghall	9 9 9	160	66.4	49.8	58.1	—	73	4th	36	30th	—	—	7.08	180	—	42	14th	21	18	0	0	0	0	0	0	0	0	4.03	—	27	
	Ushaw College	9 9 9	594	66.3	50.4	58.3	—	72	4th	44	30th	—	—	5.96	151	+77	45	8th	20	18	0	0	0	0	0	0	0	—	—	—		
	Ampleforth	9 9 9	350	65.7	51.6	58.7	+0.7	73	6th	45	30th	—	—	6.91	175	+94	33	13th	18	17	0	0	0	0	0	0	0	4.42	—	30		
	Castleton	9 9 9	425	66.0	49.7	57.9	—	73	4th	34	30th	58.5	—	7.62	193	—	47	8th	18	16	0	0	0	0	0	0	0	—	—	—		
York, E. Riding.	Rounton	2121 9	249	66.2	51.1	58.7	+1.3	74	5th	40	30th	57.9	—	6.61	168	+96	20	18th	20	19	0	0	0	0	0	0	0	—	—	—		
	Scarborough†	9 9 9	118	65.9	53.3	59.6	+0.7	72	3rd	48	20th	—	—	5.24	133	+62	45	18th	18	13	0	0	0	0	0	0	0	4.35	-0.97	29		
	West Witton	9 9 9	605	65.1	51.6	58.3	—	72	4th	39	30th	59.2	55.3	7.81	198	—	40	8th	20	18	0	0	0	0	0	0	—	—	—			
	York	2121 9	56	67.3	53.7	60.5	+0.8	76	6th	43	30th	60.5	57.7	4.27	109	+45	19	6th	20	17	0	0	0	0	0	0	0	4.06	-0.81	27		
Lincoln.	Bridlington	2121 9	7	65.7	52.1	58.9	—	72	6th	42	30th	—	—	5.41	137	—	30	18th	18	15	0	0	0	0	0	0	0	4.73	—	32		
	Hull	2121 9	8	68.5	53.7	61.1	+1.7	76	7th	49	17, 26	61.0	56.7	5.65	143	+69	28	8th	21	15	0	0	0	0	0	0	0	4.37	—	30		
	Osgodby	2121 9	30	67.5	51.7	59.6	—	75	6th	41	30th	—	—	4.14	105	—	17	8th	20	18	0	0	0	0	0	0	0	3.34	—	23		
Lincoln.	Spurn Head	18-7 7	29	65.9	55.8	60.9	+1.1	75	14th	53	17, 20, 21, 24	—	—	4.85	123	+58	44	8th	16	12	0	0	0	0	0	0	0	4.90	—	30		
	Cranwell	18-7 7	236	68.7	52.4	60.5	—	80	6th	46	30th	60.5	58.2	3.07	78	—	22	6th	19	14	0	0	0	0	0	0	0	5.35	—	36		
3. ENGLAND, E.	Clethorpes	9 9 9	23	67.1	53.6	60.3	—	74	7th	44	30th	—	—	4.53	115	—	33	8th	17	12	0	0	0	0	0	0	0	4.96	—	34		
	Lincoln	9 9 9	58	69.3	53.9	61.6	+1.3	78	6th	47	17, 26	61.2	58.4	2.71	69	+7	12	18th	20	12	0	0	0	0	0	0	—	—	—			
	Skegness	9 9 9	12	66.6	54.8	60.7	+1.6	73	14th	47	25, 26	—	—	4.56	116	+54	41	8th	19	17	0	0	0	0	0	0	0	5.78	-0.45	39		
Norfolk.	Cromer	9 9 9	150	67.6	54.4	61.0	+0.9	78	6th	49	17th	—	—	2.89	73	+12	19	1st	17	13	0	0	0	0	0	0	0	5.98	-0.05	41		
Suffolk.	Geldeston	9 9 9	37	69.4	54.6	62.0	+1.6	76	6th	46	26th	—	—	2.72	69	+14	27	1st	16	10	0	0	0	0	0	0	0	0	5.89	-0.17	40	
	Hunstanton	9 9 9	105	68.0	55.3	61.7	—	76	6th	49	24th	—	—	3.50	89	—	23	8th	18	12	0	0	0	0	0	0	0	6.24	—	42		
	Norwich	9 9 9	98	69.5	54.3	61.9	+1.2	79	6th	46	26th	63.2	—	3.35	85	+25	17	1st	19	15	0	0	0	0	0	0	0	6.27	—	43		
	Sparwston	9 9 9	93	68.8	53.8	61.3	—	76	6th	46	26th	—	—	3.23	82	—	17	1st	18	16	0	0	0	0	0	0	0	6.21	—	42		
	Yarmouth	18-7 7	5	67.9	55.8	61.9	+1.6	74	21st	47	26th	62.6	59.1	2.87	73	+10	28	1st	15	13	0	0	0	0	0	0	0	6.71	—	46		
Bungay (Flix'n)	9 9 9	79	70.2	53.6	61.9	—	77	29th	48	17, 25, 29	—	—	3.09	79	—	20	1st	17	11	0	0	0	0	0	0	0	—	—	—			
Cambr'dge, Cambridge (Bot. Gdns.)	Copdock	9 9 9	164	70.1	54.0	62.1	—	77	31st	47	26th	61.8	59.6	3.90	99	—	19	5th	14	12	0	0	0	0	0	0	0	5.63	—	39		
	Felixstowe Aero	18-7 7	15	68.2	57.3	62.7	—	72	2, 7	50	26th	—	—	3.20	81	—	27	1st	16	12	0	0	0	0	0	0	0	6.61	—	45		
	Felixstowe	9 9 9	15	67.7	57.0	62.3	+0.9	71	2, 7	48	26th	—	—	3.17	81	+31	25	1st	16	12	0	0	0	0	0	0	0	6.59	-0.51	45		
	Lowestoft	9 9 9	83	67.7	56.0	61.9	+1.7	73	21st	48	26th	63.9	61.1	3.17	81	+25	24	1st	14	12	0	0	0	0	0	0	0	6.82	+0.08	47		
Bedford.	Cambridge	2121 9	41	70.9	53.0	61.9	+0.8	79	31st	43	26th	62.1	59.4	2.46	63	+3	11	10th	18	13	0	0	0	0	0	0	0	5.95	-0.11	41		
Bedford.	Luton	9 9 9	390	67.9	53.2	60.5	—	76	6, 31	43	26th	65.4	58.7	3.81	97	—	15	7th	21	17	0	0	0	0	0	0	0	5.77	—	39		
	Woburn	9 9 9	291	67.7	52.5	60.1	+0.2	76	6th	45	4th	61.0	55.7	3.19	81	+22	13	7th	21	18	0	0	0	0	0	0	0	5.70	—	39		
Hertford.	Benington	2121 9	405	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Rothamsted	9 9 9	420	66.6	53.2	59.9	0.0	74	6, 31	43	3, 24	60.4	—	4.01	102	+39	17	7th	19	14	0	0	0	0	0	0	0	5.75	-0.22	39		
Essex.	St. Albans	9 9 9	272	68.5	52.6	60.5	—	75	6, 31	42	26th	63.4	—	3.52	89	—	14	15th	18	16	0	0	0	0	0	0	0	—	—	—		
	Clacton-on-S.	18-7 7	55	67.6	57.6	62.6	+1.4	70	2, 6, 13, 31	48	26th	63.2	61.1	2.74	70	+24	19	8th	18	12	0	0	0	0	0	0	0	6.46	-0.41	44		
	Chelmsford	9 9 9	134	69.9	52.8	61.3	—	76	3, 5, 6	43	26th	—	—	3.96	101	+46	13	18th	18	15	—	—	—	—	—	—	—	—	—			
	Chelmsford (Good Easter)	9 9 9	185	68.8	52.5	60.7	—	75	3, 5, 31	45	3, 24, 26	—	—	3.39	86	—	11	17th	21	15	0	0	0	0	0	0	0	6.20	—	42		
Dovercourt	Dovercourt	9 9 9	47	68.3	56.9	62.6	—	72	2, 7	48	24th	—	—	3.24	82	—	23	1st	15	13	0	0	0	0	0	0	0	6.73	—	46		
	Earls Colne	9 9 9	168	69.0	53.1	61.1	—	77	5, 31	46	26th	—	—	2.97	75	—	12	1st	16	12	0	0	0	0	0	0	—	—	—			
	Halstead	9 9 9	139	70.9	54.0	62.5	—	77	5, 29, 31	43	26th	—	—	2.65	67	—	9	18th	16	12	0	0	0	0	0	0	—					

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE, AND OF WEATHER OBSERVATIONS, AUGUST, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.						
					A	B		Maximum.	Date.	Minimum.					Date.	Amount.										Date.	Daily Mean.	Deviation from Normal.	Per Cent.			
	Max.	Min.	Rain.		Max.	Min.	Mean of A and B.	Maximum.	Date.	Minimum.	Date.	1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Amount.	Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Daily Mean.	Deviation from Normal.	Per Cent.			
4. MID. COUNTIES—cont.																																
Warwick.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	mm.									hr.	hr.	%				
	Birmingham	18-7	7	535	66.8	53.1	59.9	+0.4	75	6th	48	25, 26	55.8	53.4	3.74	95	+26	19	17th	17	16	0	0	0	4	4	0	0	4.18	-0.47	29	
	B'ham, Sparkhill	713	7	424	69.1	52.0	60.5	—	77	6th	45	26th	—	—	3.65	93	—	17	17th	20	16	0	0	0	3	3	0	0	—	—	—	
	Coventry	9	9	270	68.7	53.3	61.0	+0.5	77	6th	45	26th	61.6	57.9	4.21	107	+39	15	22nd	23	16	0	0	0	3	0	0	0	4.87	-0.65	33	
	Leamington Spa	9	9	165	68.2	53.5	60.9	—	76	6th	45	26th	64.8	60.3	2.78	71	—	14	17th	19	18	0	0	0	4	0	0	0	4.75	—	33	
Rugby	2121	9	390	68.6	52.6	60.6	—	78	3rd	44	25th	—	—	3.20	81	—	10	8th	20	18	—	—	—	—	—	—	—	—	—	—		
Oxford.	Leafield	18-7	7	612	65.3	51.5	58.4	—	74	6th	44	19th	—	—	4.50	114	—	18	21st	24	18	0	0	0	3	2	0	0	5.19	—	36	
	Oxford	9	9	208	68.0	54.1	61.1	+0.2	76	31st	47	19, 25, 26	62.7	59.5	4.16	106	+48	12	15th	22	20	0	0	0	1	2	0	0	4.92	-1.02	34	
	Oxford (Sandford)	9	9	210	68.5	52.4	60.5	—	76	31st	43	24, 25	—	—	3.87	98	—	14	10th	22	14	0	0	0	3	0	0	0	4.91	—	34	
Bucks.	Mursley	9	9	490	69.6	51.7	60.7	—	80	6th	43	26th	59.8	60.1	3.37	86	—	11	17th	21	19	0	0	0	6	—	—	0	5.37	—	37	
	Mayfield	9	9	374	66.3	50.0	58.1	—	75	6th	39	26th	—	—	3.99	101	—	17	23rd	21	15	0	0	0	6	0	0	0	4.37	—	30	
Shropshire.	Roden, Well'n	9	9	207	67.1	49.0	58.1	—	74	5, 6	43	2nd	—	—	4.24	108	—	16	17th	22	18	0	0	0	2	—	—	0	—	—	—	
	Wellington	9	9	259	67.7	52.3	60.0	—	77	6th	42	30th	—	—	4.03	102	—	23	17th	21	18	0	0	0	3	—	—	0	4.73	—	32	
	Wistanstow	2121	9	481	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Worcester.	Malvern	9	9	377	67.5	54.6	61.1	—	76	4th	49	25th	61.8	59.7	4.33	110	+37	31	17th	19	14	0	0	0	2	0	0	0	4.91	—	34	
	Tenbury	9	9	313	68.5	51.7	60.1	+0.2	77	4, 6	43	1, 25	60.9	—	3.91	99	+24	21	17th	19	14	0	0	0	2	—	—	0	—	—	—	
	Worcester (Perdiswell)	9	9	95	68.1	51.7	59.9	—	77	6th	40	26th	—	—	3.73	95	—	22	17th	16	14	0	0	0	3	—	—	0	5.09	—	35	
Hereford.	Bromyard	9	9	392	67.2	51.6	59.4	—	75	4, 6	42	1, 25, 26	61.4	58.7	4.93	125	—	32	17th	20	17	0	0	0	1	2	0	0	—	—	—	
	Hereford	9	9	291	67.0	51.7	59.3	-0.7	79	29th	43	26th	—	—	4.74	121	+55	24	18th	18	16	0	0	0	1	0	0	0	—	—	—	
	Ross-on-Wye	18-7	7	223	67.2	53.3	60.3	-0.6	75	4, 6	43	26th	61.5	59.5	4.50	114	+49	20	17th	20	18	0	0	0	3	2	0	0	5.09	—	35	
Gloucester.	Cheltenham	2121	9	214	68.5	54.5	61.5	+1.1	76	4, 5, 6	45	26th	62.6	60.7	4.17	106	+39	18	24th	20	15	0	0	0	1	2	0	0	5.03	—	34	
	Clifton	9	9	225	67.7	55.0	61.3	-0.6	76	4, 5	47	25th	—	—	4.15	105	+16	15	15th	18	13	0	0	0	0	0	0	0	5.08	-1.05	35	
	Over Court	9	9	147	68.8	53.9	61.3	—	77	4th	44	25th	—	—	3.78	96	—	15	13th	19	15	0	0	0	1	0	0	—	—	—		
5. ENGLAND, S.E.																																
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Camden Square	9	9	110	70.8	55.7	63.3	+0.1	79	31st	48	26th	61.6	58.2	3.97	101	+45	16	15th	21	19	0	0	0	3	—	—	0	5.47	+0.15	38	
	East Ham	9	9	15	70.4	55.4	62.9	—	77	6th	49	26, 29	—	—	3.65	93	—	14	17th	18	16	—	—	—	—	—	—	—	—	—	—	
	Enfield	9	9	148	70.5	55.5	63.0	—	77	5, 6	48	24, 26	—	—	59.7	95	+34	15	17th	21	18	0	0	0	1	3	0	0	1	5.65	—	39
	Greenwich	2424	9	149	71.7	53.7	62.7	+0.1	78	3rd	47	25, 26	59.7	57.5	3.54	90	+34	14	17th	21	16	0	0	0	4	0	0	0	6.08	-0.12	42	
	Hampst'd Res.	9	9	450	67.0	52.2	59.6	—	74	3, 31	44	26th	—	—	4.48	114	—	17	15th	23	18	0	0	0	1	3	—	—	0	5.55	—	38
	Kensington	18-9	9	80	69.7	56.1	62.9	—	77	5, 31	47	26th	62.9	60.2	4.30	109	—	23	24th	21	18	0	0	0	2	1	0	0	—	—	—	
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Richmond (Kew Obs.)	242424	18	68.7	55.2	61.9	+0.3	76	31st	47	26th	62.1	59.4	4.07	103	+47	15	18th	17	15	0	0	0	1	2	0	0	0	5.56	-0.47	38	
	Stroud Green	18-7	7	212	69.9	54.8	62.3	—	77	5th	48	26th	—	—	3.66	93	—	17	17th	18	18	0	0	0	3	3	0	0	—	—	—	
	Tottenham	2121	9	51	70.8	58.1	64.5	—	78	31st	49	26th	—	—	60.1	92	—	15	17th	19	17	0	0	0	2	—	—	0	5.87	-0.23	41	
	Westminster	9	9	27	69.5	56.9	63.2	+0.7	77	3, 31	48	26th	—	—	4.29	109	+51	31	24th	18	18	—	—	—	—	—	—	—	—	—	—	
Surrey.	Addington	9	9	472	65.8	53.7	59.7	—	75	31st	47	25, 26	—	—	4.19	106	—	20	15th	22	18	—	—	—	—	—	—	—	—	—		
	Croydon Aero.	18-7	7	244	68.5	54.5	61.5	—	77	31st	45	25, 26	—	—	3.83	97	—	19	15th	21	17	0	0	0	3	1	0	0	6.12	—	42	
	Wisley	9	9	150	69.7	54.1	61.9	+1.0	77	4, 31	45	24th	63.0	59.9	3.07	78	+25	10	15th	23	16	0	0	0	3	0	0	0	5.28	-0.95	36	
Kent.	Biggin Hill	18-7	7	597	66.4	53.6	60.0	—	74	31st	47	25, 26	—	—	5.43	138	—	20	15th	21	19	0	0	0	3	2	0	0	5.65	—	39	
	Bromley	9	9	213	68.4	54.2	61.3	—	75	29, 31	46	24, 26	—	—	3.58	91	—	18	15th	19	17	—	—	—	—	—	—	—	—	—		
	Canterbury	9	9	124	68.9	54.2	61.5	—	77	3, 31	43	29th	62.4	59.9	3.39	86	—	17	1st	19	18	—	—	—	—	—	—	—	—	—		
	Deal	9	9	25	68.8	56.1	62.5	—	76	29th	49	25, 26, 27	62.2	59.5	3.82	97	—	23	1st	18	16	0	0	0	2	0	0	0	6.59	—	45	
	Dover	9	9	22	66.6	57.3	61.9	—	78	31st	48	29th	64.0	62.3	3.76	96	—	26	20th	18	11	0	0	0	1	0	0	0	6.08	—	42	
	Dungeness	18-7	7	20	66.5	57.5	62.0	+0.6	71	5th	45	26th	—	—	4.04	103	+53	26	20th	16	14	0	0	0	7	0	—	—	—	—		
	East Malling	9	9	127																												

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of AUGUST, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.											
										0	1 to 2	3 to 4	5 to 6	7 to 10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
2. ENGLAND, N.E.—cont.																																							
Durham, Durham ...	g.m.t.	ft.	mb.	mb.	°F.	°F.	mb.	%																															
	9	352	1009.7	—	59.6	3.0	14.5	82	7.1	3	2	6	8	12	0	0	1	0	2	6	11	8	3	0	1	0	22	8	1	0	2	2	7	6	5	0			
21	352	1010.1	—	55.9	1.6	13.7	90	6.4	3	9	1	4	14	0	1	2	1	0	1	19	7	0	0	0	1	23	7	1	1	4	3	4	4	6	1				
York, N. Riding, Scarborough...	9	96	1010.3	—	61.0	3.7	14.4	79	6.1	3	8	3	8	9	0	1	0	0	0	3	8	8	11	0	0	0	27	4	2	0	0	5	4	8	4	4			
	9	53	1010.2	—	60.0	2.9	14.6	83	7.9	1	2	5	7	16	—	—	—	—	—	—	—	—	—	—	—	0	0	29	2	4	0	2	1	10	6	5	1		
21	53	1010.0	—	59.4	2.3	14.7	86	7.0	6	3	1	2	19	—	—	—	—	—	—	—	—	—	—	—	0	0	31	0	2	1	5	2	11	6	3	1			
E. Riding, Spurn Head	1	28	1009.9	—	57.8	1.3	15.1	91	5.3	6	6	6	7	6	0	0	0	0	1	1	8	18	3	0	0	20	11	0	2	1	5	2	7	8	4	2			
	7	28	1010.1	-3.3	58.3	1.5	14.9	91	7.3	2	1	5	18	5	0	0	0	0	1	15	12	3	0	0	0	22	9	0	2	2	3	3	7	8	5	1			
	13	28	1010.0	—	63.2	3.6	15.7	80	7.5	1	1	8	14	7	0	0	1	1	0	5	6	9	9	0	0	15	16	0	3	2	6	4	5	6	4	1			
18	28	1009.7	—	61.4	2.5	15.6	85	7.5	0	0	11	13	7	0	0	0	0	0	5	10	12	3	1	0	12	18	1	3	4	6	1	5	8	2	1				
Lincoln, Cranwell H	1	240	1011.3	—	55.1	0.3	14.6	98	5.9	4	9	1	5	12	0	0	1	0	2	1	21	6	0	0	0	6	21	4	1	0	3	1	4	8	8	2			
	7	240	1011.4	—	56.2	0.5	14.9	96	8.4	0	3	1	13	14	0	1	1	0	2	1	18	7	1	0	0	7	22	2	1	2	3	1	5	10	5	2			
	13	240	1010.8	—	65.7	4.2	16.9	79	8.2	0	0	5	18	8	0	0	0	0	1	8	9	13	0	0	0	15	16	0	0	2	3	3	4	11	6	2			
18	240	1010.7	—	63.3	2.7	16.9	85	7.5	0	3	5	16	7	0	0	0	0	0	0	8	11	11	1	0	15	19	2	1	0	7	0	3	7	9	2				
3. ENGLAND, E.																																							
Norfolk, Cromer ...	9	74	1011.0	—	62.2	2.4	16.4	86	6.2	0	5	11	14	1	0	0	0	0	0	0	5	13	13	0	0	7	24	0	4	0	3	2	7	7	4	4			
Norfolk, Yarmouth...	1	26	1011.2	—	58.6	1.4	15.6	91	4.5	11	2	7	4	7	0	0	0	0	0	0	2	26	3	0	0	3	28	0	1	1	3	1	6	10	9	0			
	7	26	1011.1	-3.1	58.0	1.6	14.8	90	6.0	4	2	9	12	4	0	0	0	0	0	3	17	11	0	0	0	9	20	2	0	1	4	2	4	9	8	1			
	13	26	1011.0	—	65.6	4.9	16.2	75	6.5	1	4	12	7	7	0	0	0	0	0	0	19	12	0	0	0	12	19	0	1	5	1	5	5	6	6	2			
18	26	1010.8	—	64.3	4.3	15.6	77	6.1	1	6	9	10	5	0	0	0	0	0	0	16	15	0	0	0	10	18	3	1	2	1	1	9	9	3	2				
Suffolk, Felixstowe Aero.	7	20	1012.1	—	59.9	2.0	15.5	88	7.1	1	5	3	17	5	0	0	0	0	3	4	11	12	1	0	0	16	14	1	2	3	2	2	5	10	3	3			
	13	20	1011.9	—	66.3	5.8	15.4	71	6.3	1	5	5	17	3	0	0	0	0	2	4	13	12	0	0	0	19	12	0	1	4	2	2	12	5	2	3			
	18	20	1011.9	—	63.8	4.0	15.9	79	5.9	1	8	7	9	6	0	0	0	0	0	3	8	6	13	1	0	16	15	0	2	5	0	1	10	9	2	2			
Cambridge, Cambridge H	9	43	1011.5	-3.3	63.3	2.9	16.9	85	6.8	2	3	7	9	10	—	—	—	—	—	—	—	—	—	—	—	0	10	21	0	2	4	1	2	2	15	3	2		
	21	43	1011.6	-3.3	60.2	1.6	16.2	91	4.7	11	4	2	3	11	—	—	—	—	—	—	—	—	—	—	—	0	4	25	2	1	5	0	1	6	8	7	1		
Hertford, Rothamsted	9	396	1011.5	—	60.9	3.3	14.8	81	7.1	0	5	6	9	11	0	0	0	0	0	5	26	0	0	0	0	1	25	5	0	3	2	4	9	5	2	1			
Essex, Shoeburyness H	7	14	1012.3	—	60.0	1.5	16.2	91	7.3	2	3	4	14	8	0	0	0	0	1	1	15	13	1	0	0	7	24	0	1	1	4	1	5	8	7	4			
	13	14	1012.1	—	66.8	4.6	17.2	77	6.3	0	6	8	13	4	0	0	0	0	0	1	7	13	10	0	0	16	15	0	1	0	4	0	7	10	5	4			
	18	14	1012.1	—	63.0	2.7	16.8	85	6.6	2	2	9	13	5	0	0	0	0	0	3	10	10	8	0	0	11	18	2	2	1	3	0	5	12	4	2			
4. MIDLAND COUNTIES.																																							
York, W. Riding, Harrogate ...	7	478	1010.6	—	55.6	1.4	13.9	91	7.8	0	4	3	15	9	0	1	0	1	5	3	2	15	4	0	0	4	25	2	2	0	0	4	7	14	1	1			
	13	478	1009.9	—	62.0	4.0	14.7	77	8.4	0	2	2	17	10	0	0	0	0	1	5	6	13	6	0	0	4	27	0	1	0	3	6	7	13	1	0			
	18	478	1010.1	—	60.4	2.8	14.7	83	8.1	0	3	3	16	9	0	0	0	0	0	5	5	11	10	0	0	1	28	2	1	1	2	4	7	12	2	0			
Nottingham, Nottingham	9	215	1010.1	—	60.1	3.6	13.9	79	7.7	0	5	4	8	14	0	0	0	1	5	4	8	9	4	0	0	15	16	0	2	4	2	0	3	10	8	2			
Warwick, Birmingham H	7	542	1011.1	—	56.4	1.7	13.9	89	7.0	1	8	0	11	11	0	0	1	3	1	6	1	2	17	0	0	4	27	0	1	2	3	3	8	10	2	2			
	13	542	1010.6	—	63.5	5.3	14.2	72	7.3	0	2	8	18	3	0	0	0	0	1	6	3	21	0	0	0	11	20	0	0	1	3	2	9	10	2	4			
	18	542	1010.6	—	63.0	4.9	14.5	74	6.4	0	7	9	13	2	0	0	0	0	2	2	1	26	0	0	0	7	24	0	2	1	3	3	4	10	6	2			
Oxford, Oxford ...	9	212	1011.8	-3.6	60.9	3.6	14.5	79	7.4	0	5	3	11	12	0	0	0	0	0	8	5	18	0	0	0	8	22	1	1	2	3	2	7	10	3	2			
Hereford, Ross-on-Wye H	7	226	1010.7	—	56.7	1.7	14.2	89	7.7	1	4	2	9	15	0	1	0	1	1	4	6	12	5	1	0	5	25	1	2	0	2	1	4	12	6	3			
	13	226	1010.5	—	64.9	5.8	14.6	69	7.1	0	3	10	12	6	0	0	0	0	1	3	6	19	2	0	0	14	17	0	3	0	3	1	2	12	7	3			
	18	226	1010.5	—	63.2	4.4	14.9	75	6.4	0	7	6	13	5	0	0	0	0	0	6	3	18	4	0	0	10	21	0	3	1	2	1	4	9	10	1			
	21	226	1011.3	—	58.4	2.4	14.0	85	5.6	0	14	1	10	6	0	0	0	0	1	2	4	10	12</																

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of AUGUST, 1927.

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Kent (Biggin Hill, Dungeness), Hampshire (Southampton), and others across England, Wales, and South Wales.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (i.e., snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., Director. South Kensington, S.W.7, September 26th, 1927.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.	
0	Less than 55 yards.	
1	Exceeding 55 yards, less than 220 yards	
2	" 220 " " 550 "	550 "
3	" 550 " " 1,100 "	1,100 "
4	" 1,100 " " 1½ miles	1½ "
5	" 1½ " " 2½ "	2½ "
6	" 2½ " " 6½ "	6½ "
7	" 6½ " " 12½ "	12½ "
8	" 12½ " " 31 "	31 "
9	" 31 " "	" "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacorra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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SEPTEMBER, 1927: VERY WET.

General.—Apart from a few fine warm days at the beginning of the month, the weather during September was unsettled, extremely wet and rather cold.

During the first few days of the month a belt of high pressure extended over the British Isles; mainly dry, warm weather prevailed and in most districts temperature rose above 70°F. From the 5th to the 10th, unsettled weather associated with low pressure systems and accompanied by frequent rain and high winds, reaching gale force locally on the 8th and 9th, was experienced widely. Heavy falls of rain occurred in several districts during this period and over 1.5 in. fell in parts of Scotland and north-east England between the mornings of the 6th and 7th. Thunderstorms developed locally in southern England on the 10th.

The passage of a wedge of high pressure across the British Isles resulted in a temporary improvement on the 11th and 12th. Heavy and persistent rain in southern and eastern England from the 13th to the 15th was associated with a complex system of depressions covering Ireland and England (*see under* Precipitation). In many districts in Scotland and Ireland good sunshine records were obtained on the 14th and 15th. From the 16th to 19th the rainfall was smaller and occurred chiefly at night, the 17th and 18th being fine, warm days with over 10 hours sunshine in many parts except in the extreme south on the 18th. Further heavy rain again occurred from the 20th to the 24th notably in northern districts while, associated with a secondary depression which developed off our south-western coasts and deepened rapidly as it passed to the north sea, gales occurred at exposed places on the 23rd. After the 24th, unsettled conditions continued but there were many bright periods. Rainfall amounts were moderate except on the 28th and 29th when heavy rain and high winds, reaching gale force locally in the south on the 29th, were associated with a secondary trough to a very deep depression centered near Iceland.

The general character of the month is illustrated by the following notes taken from observers' notes:—Southport—A dull and wet month, though by no means unprecedentedly so, but daily range extremely small owing to a rarely equalled excess of westerly winds. West Kirby—The wettest September since 1918. Much flooded ground. Huddersfield (Oakes)—A cool and very wet month. Halstead—A rather cold month with an exceptionally wet period from the 9th to the 23rd. The total rainfall for the month has been exceeded only once in September during the past 35 years. Berkhamsted—The month was the wettest September since 1918. It was also rather cold, without a spell of warm, fine weather. Malvern—The month was noteworthy for lack of sunshine, excess of rainfall and humidity above the average. Eastbourne—The total sunshine duration for the month is the second lowest total for September in 40 years, the lowest September total on record being 114.9 hours in 1905. The rainfall has been exceeded only twice in September during the last 40 years, viz., 5.92 in. in 1896 and 6.18 in. in 1918. Newport (I. of W.)—A remarkably wet month. Teignmouth—The dullest September since 1913. The last eight days formed about the coldest period ever experienced in September since at least 1902. Redruth—The wettest September since 1918. Cork—A dull, cold month with light winds principally between N.W. and S.W. Rainfall in excess of average and rather persistent, maintaining a wet ground throughout the month.

Pressure and Winds.—The mean pressure was below the normal at all stations. The general trend of the isobars was from west to east, the prevailing winds being westerly. High winds occurred frequently from the 6th until the end of the month. Gales occurred in exposed places on the 8th, 9th, 23rd, 24th and 29th. A gust of 70 m.p.h. was recorded at Dunfanaghy (Donegal) during the gale on the night of September 8th-9th. During the gale which affected the south-west of England on the 29th, the wind in a gust attained a velocity of 66 m.p.h. at Pendennis and 65 m.p.h. at Scilly (St. Mary's).

Temperature.—The mean temperature of Districts 1-10 was 53.9°F. and was 1.1°F. below the normal. In all Districts the mean temperature was below the normal, the greatest deficit from the normal, 2.1°F. occurring in Scotland E. (mean temperature 50.2°F.) and the smallest deficit, 0.3°F. in England E. (mean temperature 55.9°F.). During the first few days of the month temperature was above the normal, the highest readings of the month occurring generally during this period but after the 6th it was moderate or below the normal, the lowest readings in the screen occurring from the 15th to the 20th in Scotland and widely on the 27th and 28th.

The extreme temperatures for the month were:—(England and Wales) 76°F. at several stations in England E. and S.E. on the 2nd, 29°F. at St. Albans, Bromyard and Marlborough on the 27th; (Scotland) 75°F. at Ruthwell on the 6th and 30°F. at West Linton on the 16th; (Ireland) 73°F. at Killarney on the 5th, and 34°F. at

Kilkenny on the 23rd, at Birr Castle on the 27th and at Newtownbarry on the 28th.

Ground frost occurred on a few occasions in most districts, the maximum number reported being nine at Boghall and Thorntonhall. A grass minimum temperature of 25°F. was recorded at Renfrew on the morning of the 12th.

Precipitation.—The outstanding feature of the weather of September 1927 was its extreme wetness, monthly totals exceeding the normal everywhere. The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 209; the values for the constituent counties were: England and Wales 233; Scotland 200; Ireland 159. Although monthly totals greatly exceeded the normal, September 1927 was not unprecedentedly wet. Over the British Isles as a whole, September 1918 was wetter with a general precipitation amounting to 242 per cent. of the normal. The general precipitation over England and Wales in September 1918 amounted to as much as 286 per cent. of the normal. September 1924 was wetter over Ireland, the general precipitation in that month amounting to 216 per cent. of the normal. Over Scotland in general the month was the wettest September since at least 1881.

In England and Wales monthly totals ranged from one and a half times the normal to about three times the normal and in some places, e.g., Brighton, Oxford, and Norwich exceeded three times the normal. Southern and eastern England experienced a period of recurring heavy rains from September 13th to 15th. The largest daily totals occurred between the mornings of September 14th and 15th and in most places were well above an inch. Amongst the largest measurements were 63mm. at Brighton, 61mm. at Portsmouth, 59mm. at Grayshott and 58mm. at Long Sutton. In many places, e.g., Norwich, Yarmouth, Marlborough, Brighton, Southsea, Bognor and Lowestoft, the total rainfall for the three days September 13th, 14th and 15th was well in excess of the normal for the month.

Heavy rain in the north of England around the 22nd was responsible for extensive flooding, causing considerable damage to crops and property and seriously affecting all agricultural work. The corn crop in particular suffered severely.

Heavy rain fell in Scotland from the 6th until about the 10th, particularly in the north-western and northern districts (e.g., 42mm. at Incheith, 46mm. at Kirkealdy, and 71mm. at Fairniee on the 6th and 31mm. at Fortrose and 27mm. at Stornoway on the 8th). Exceptionally heavy falls occurred over widespread areas in the east on the 22nd and in the west on the 28th. Amongst the largest measurements were 83mm. at Stonehaven, 78mm. at Boghall and Abroath, and 72mm. at Montrose on the 22nd and 62mm. at Greenock on the 28th. At Edinburgh (Blackford Hill) where the total for the month was 201mm. (or more than four times the normal), September was the wettest month on record since August 1877 and the wettest September since 1785.

In Ireland, except for a small coastal strip in Wicklow and Wexford where the rainfall was slightly below the normal, monthly totals generally exceeded one and a half times the normal and in a few places amounted to slightly more than twice the normal.

Thunderstorms occurred on several days. The thunderstorm which visited south and south-east Scotland on the morning of the 7th was the worst in severity experienced for many years—it was accompanied by torrential rain which caused extensive flooding, particularly in the Lothians and border counties.

Snow fell on the Cairngorms on the 17th; Deerness and Llandudno had each one day on which snow or sleet fell.

Sunshine.—A notable feature of the weather during September was the scantiness of the sunshine aggregates for the month. Except at one or two stations in Scotland and southern Ireland sunshine aggregates were below the normal everywhere. The Channel Isles experienced the greatest deficiency, the mean daily duration of sunshine, 4.10 hr. being 2.01 hr. below the normal. The mean daily deficiency was least in Ireland S. amounting to 0.22 hr. (mean daily duration of sunshine 4.23 hr.). Good sunshine records were obtained in various parts of the country on the 2nd, 7th, 14th, 15th, 17th, 18th, 24th, 27th and 28th. Amongst the largest measurements were 12.0 hr. at Torquay and 11.7 hr. at Bude and Paignton on the 7th, 12.1 hr. at Tiree on the 14th, 11.2 hr. at Berwick-on-Tweed on the 17th, 11.1 hr. at Rams-gate on the 24th and 11.2 hr. at Jersey on the 27th.

Fog.—Fog occurred locally on various days during the month.

Miscellaneous Phenomena.—Halos of 22°F. were observed at many stations on various dates. Aurora was observed at Baltasound, Shetland, on the 9th and 29th and an active display at Lerwick on the 29th, at Deerness, Orkney, on the 8th, and 30th, at Nairn on the 10th and at Aberdeen on the 25th, 29th and 30th.

TABLE I.—DISTRICT VALUES—SEPTEMBER, 1927.

[1908.]

DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (1-10).				PRESSURE. MEAN SEA LEVEL.				
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h 9h	13h 15h	17h 19h 21h	Highest.	Date.	Lowest.	Date.	
			Daily Max.	Daily Min.	** Ad-justed Daily Mean	Deviation from Normal.																			
0. SCOTLAND, N. ...	73	34	55.8	45.5	50.4	-1.4	—	—	—	5.11	130	+34	21	2.69	-0.80	21	6.7	7.2	8.0	7.1	1025	3	977	24	
Eastern.																									
1. SCOTLAND, E. ...	74	30	56.6	44.3	50.2	-2.1	—	—	—	5.79	147	+90	22	3.12	-0.94	24	5.6	7.3	7.5	7.0	1025	3	978	24	
2. ENGLAND, N.E. ...	75	32	59.6	48.0	53.5	-1.0	55.3	+0.1	55.5	+0.1	3.94	100	+55	19	3.50	-1.11	28	6.3	7.4	7.7	7.0	1026	3	974	24
3. ENGLAND, E. ...	76	29	62.4	49.9	55.9	-0.3	59.1	+0.2	59.1	+0.1	4.62	117	+69	18	3.82	-1.33	30	5.0	7.1	7.0	6.7	1025	2, 3	975	24
4. MIDLAND COUNTIES ...	74	29	60.9	48.6	54.5	-0.6	55.9	+0.3	56.2	+0.4	4.45	113	+64	18	3.10	-1.41	24	—	7.5	7.8	7.0	1026	3	980	24
5. ENGLAND, S.E. ...	76	29	62.1	50.3	55.9	-1.4	59.3	+0.8	60.1	+1.0	4.99	127	+73	17	3.94	-1.49	31	6.1	7.0	7.9	7.2	1025	3, 28	977	23
Western.																									
6. SCOTLAND, W. (& I. of Man) ...	75	31	58.9	46.2	52.3	-1.2	—	—	55.6	-0.1	6.69	170	+77	21	3.69	-0.34	29	—	7.6	8.1	7.3	1026	2	980	24
7. ENGLAND, N.W. (& N. Wales) ...	74	31	59.4	49.2	54.1	-1.0	56.2	+0.3	56.3	-0.1	5.98	152	+82	21	3.77	-0.69	30	6.7	8.0	7.5	7.3	1025	2	981	24
8. ENGLAND, S.W. (& S. Wales) ...	75	30	60.5	50.5	55.3	-1.0	59.1	-0.1	59.7	+0.3	5.90	150	+79	22	3.62	-1.34	29	6.5	7.6	7.9	7.2	1025	2	978	23
9. IRELAND, N. ...	70	35	58.5	47.9	53.0	-1.1	56.3	-0.7	56.9	+0.3	5.05	128	+53	22	3.55	-0.30	28	6.1	7.1	7.2	6.5	1024	2, 3	983	24
10. IRELAND, S. ...	73	34	60.6	48.3	54.2	-1.3	56.7	-0.9	56.7	-0.7	4.26	108	+37	22	4.23	-0.22	33	—	7.3	7.6	6.6	1025	2	987	24
11. CHANNEL I. (& Scilly) ...	70	46	61.6	54.1	57.7	-1.6	60.8	-0.4	61.4	+0.1	6.41	163	+102	21	4.10	-2.01	33	6.2	7.7	7.0	7.0	1026	28	980	23
Mean: DISTRICTS 1-10 ...	76	29	59.9	48.3	53.9	-1.1	57.2	0.0	57.3	+0.1	5.17	131	+68	20	3.63	-0.92	29	6.0	7.4	7.6	7.0	1026	—	974	—

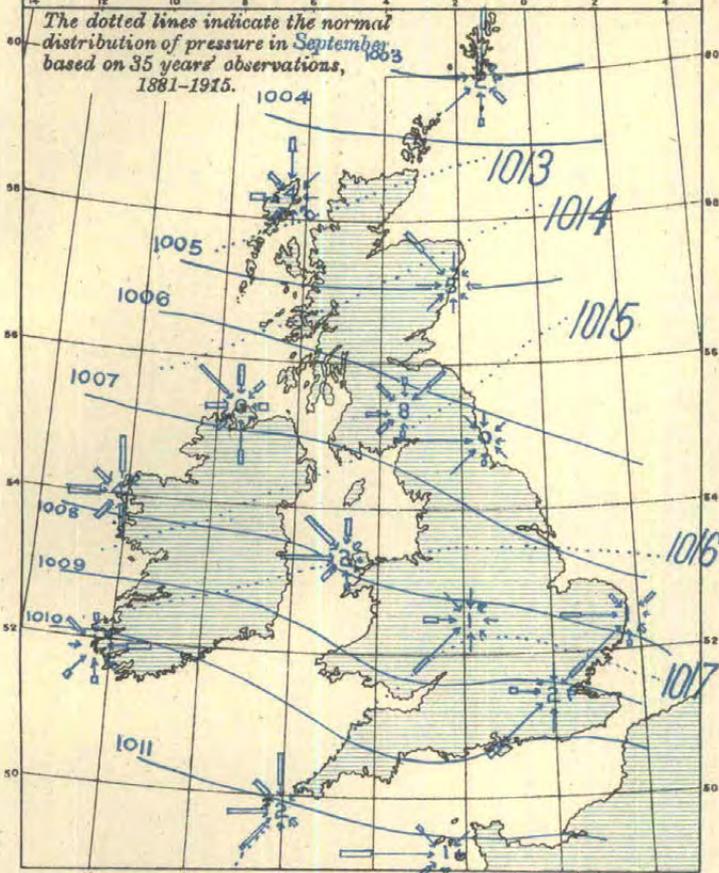
TABLE II.—SUMMARY of AUTOGRAPHIC RECORDS of WIND.—SEPTEMBER, 1927.

[1914.]

DISTRICT AND STATION:	Height,			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Speed.	Mid Time.	Speed.	Time						
0. SCOTLAND, N.	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	—	0	13	98	339	242	41	0	200	38	17	28	13	55	25	28	12	55
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	5	31	312	322	55	0	190	34	15	28	12	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	70	42	33†	—	0	2	10	132	491	87	0	30	28	13	22	19	45	20	23	8	55
Kincardine Balmakewan ...	140	25	18	—	0	—	0	66	(386)	(268)	0	360	21	9	11	11	37	17	11	11	20
Edinburgh Edinburgh ...	485	39	31†	—	0	4	21	302	323	74	0	210	37	17	28	20	60	27	28	20	20
6a. SCOTLAND, W.																					
Argyll Tiree ...	80	55	48†	—	0	15	92	400	206	22	0	190	36	16	28	6	55	25	8	19	40
Renfrew Paisley ...	188	81	15	—	0	1	4	79	488	149	0	190	27	12	28	16	59	26	28	17	50
Dumfries Eskdalemuir ...	825	50	22	3	4	7	34	221	299	162	0	200	41	18	28	24	59	26	28	24	0
2. ENGLAND, N.E.																					
Durham South Shields ...	62	46	20	—	0	5	7	186	381	146	0	350	31	14	27	1	45	20	8	23	50
York, E.R. Spurn Head ...	67	42	35†	24	1	16	120	363	210	26	0	280	39	17	24	5	51	23	24	4	30
Lincoln Cranwell ...	284	44	26†	—	0	4	13	266	339	102	0	190	27	12	29	12	48	21	9	4	55
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	33†	—	0	4	23	232	385	80	0	140	35	16	23	19	51	23	23	21	55
Suffolk Felixstowe Aero. ...	55	40	25	—	0	4	16	286	(256)	(162)	0	160	36	16	23	18	52	23	23	18	5
Essex Shoeburyness ...	115	104	14†	—	0	4	22	229	324	145	0	180	35	16	23	18	53	24	23	17	45
4. MIDLAND COUNTIES.																					
Warwick Birmingham ...	643	118	18	—	0	1	1	159	471	89	0	190	25	11	29	10	49	22	29	10	0
5. ENGLAND, S.E.																					
Surrey Richmond (KewObs) ...	82	65	22	—	0	—	—	114	437	169	0	230	19	9	21	18	39	17	29	12	35
Surrey Croydon ...	284	40	24	—	0	—	0	120	481	119	0	210	19	9	29	14	34	15	19	12	55
Kent Dover ...	61	32	22	—	0	7	44	359	298	19	0	—	37	17	29	17	56	25	23	17	15
Kent Lympne ...	409	70	55†	—	0	4	27	286	376	31	0	200	33	15	22	11	57	25	23	17	0
Hampshire Petersfield ...	811	42	34†	—	0	—	—	No Record	No Record	No Record	0	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' Tower ...	444	160	14	—	0	—	0	159	440	121	0	240	22	10	21	15	42	19	19	10	45
Hampshire Calshot ...	55	45	31†	—	0	7	27	355	(284)	(54)	0	180	36	16	29	13	47	21	29	12	40
Hampshire Worthy Down ...	314	43	27†	—	0	3	4	109	480	127	0	170	25	11	29	11	43	19	19	10	45
Wiltshire Larkhill ...	526	51	34†	—	0	6	23	333	(297)	(67)	0	270	31	14	19	12	39	17	29	9	35
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	112	50	12	—	0	13	85	285	232	118	0	300	37	17	23	4	49	22	9	7	10
Lancashire Southport ...	77	59	45†	9, 23	3	17	129	301	241	46	0	260	39	17	9	5	55	25	18	1	5
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	29†	—	0	16	111	338	188	83	0	280	36	16	23	1	55	25	29	6	0
Flint Sealand ...	77	61	49†	—	0	—	—	Instrument	dismounted	dismounted	0	—	—	—	—	—	—	—	—	—	—
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	29	6	4	17	260	378	59	0	—	47	21	29	8	59	26	29	8	50
Cornwall Pendennis Castle ...	256	65	24	29	4	12	54	341	262	59	0	—	50	22	29	7	66	29	29	6	25
Dorset Lyme Regis ...	554	59	56†	—	0	4	13	133	(257)	(317)	0	—	32	14	23	19	53	24	29	9	40
9. IRELAND, N.																					
Donegal Dunfanaghy ...	180	47	39	8, 9	9	2	11	151	207	75	267	—	48	21	8	24	70	31	8	21	0
Antrim Aldergrove ...	282	40	27	—	0	2	2	140	484	94	0	250	25	11	8	23	45	20	8	23	5
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.) ...	49	27	16	—	0	12	78	358	232	52	0	30	36	16	15	9	—	—	—	—	—
Clare Quilty ...	100	40	32†	—	0	7	28	324	306	62	0	—	30	14	26	9	47	21	28	13	15
Kerry Cahirciveen (Val.O.) ...	98	41	34†	—	0	3	21	298	331	70	0	210	27	12	28	19	44	20	15	17	0
Cork Weaver Pt. ...	160	30	21†	—	0	—	—	Defective	Defective	Defective	0	—	—	—	—	—	—	—	—	—	—
11. SCILLY ISLES.																					
St. Mary's ...	160	42	35†	29	2	9	86	306	256	70	0	210	43	19	29	6	65	29	29	5	45

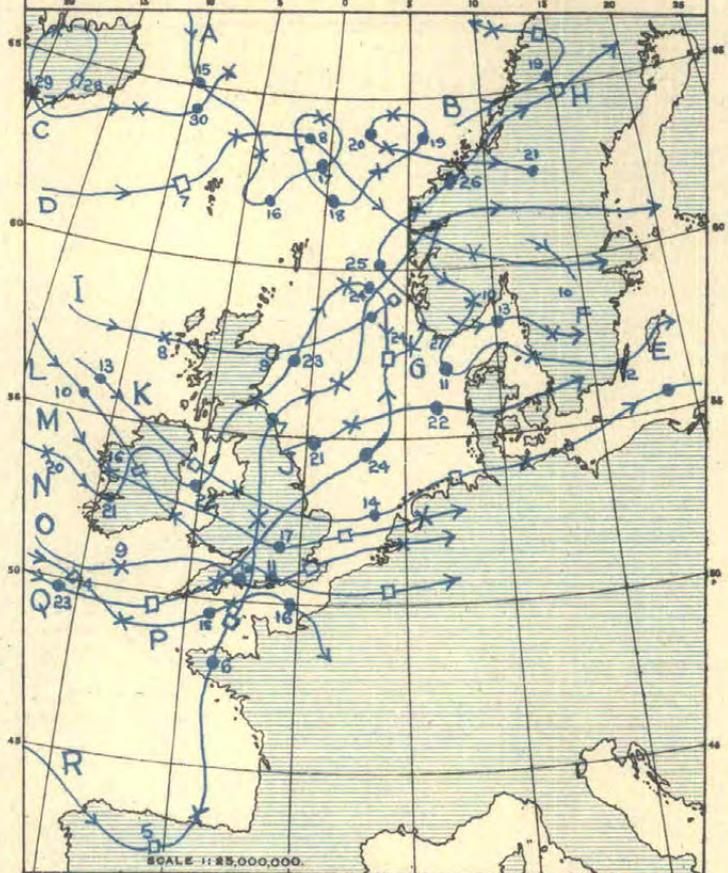
†† Brackets () indicate the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
 † Standard mounting.
 ** District values of mean temperature in the Monthly Weather Reports from 1917 to 1922 are not comparable with those for other years. Corrected values are printed in the Preface for 1922.

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



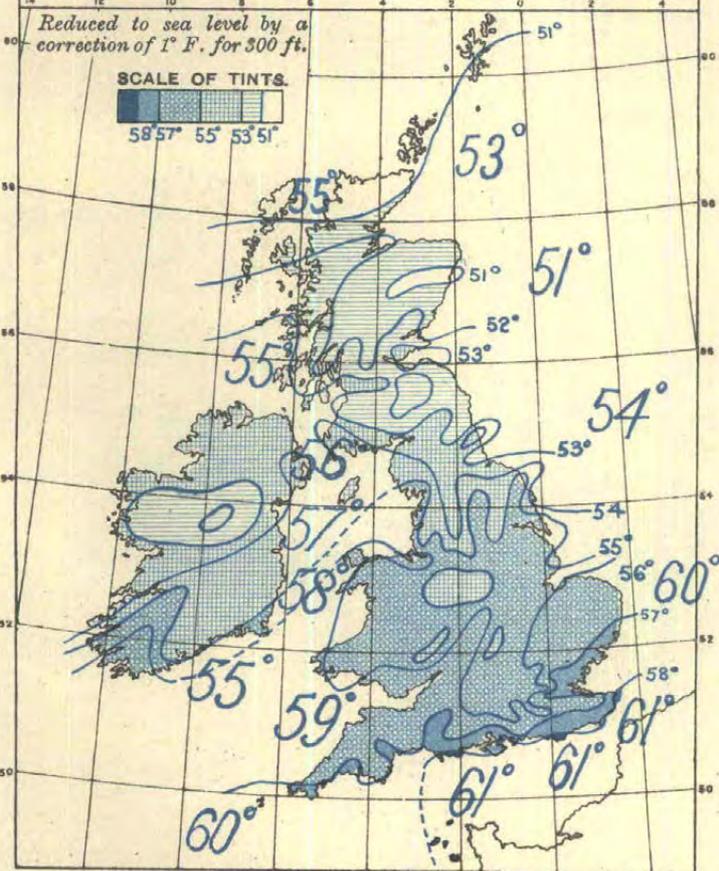
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT TO MODERATE TO STRONG GALE
k-30 OBS-1 inch

2. MOVEMENTS OF DEPRESSIONS.



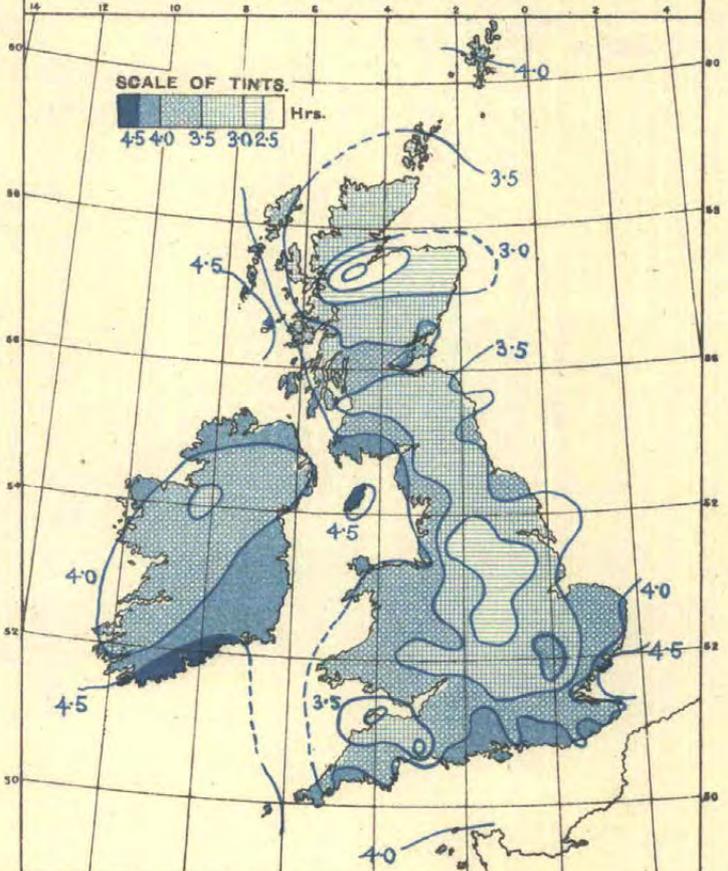
Positions of centres are shown thus: ○ at 1h; ● at 7h; □ at 13h; X at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

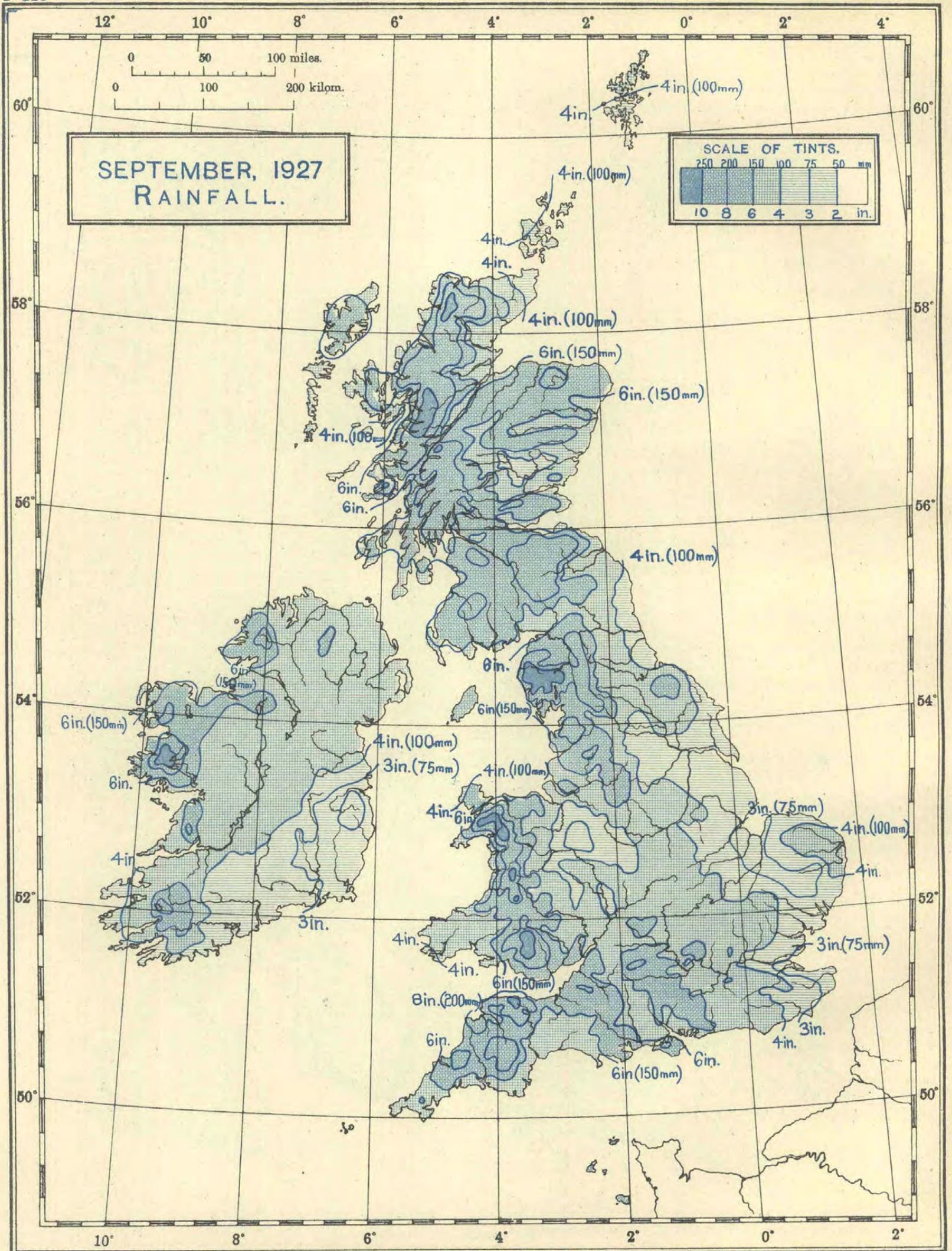


Sea temperatures are shown in large figures, thus: 60°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps. 311/1582. No. 122A. D. 26. 1125. 10/27.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1927.

Main data table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A and B, Absolute Maximum and Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Deviation from Normal, Most in a day); Weather (Number of days, Snow lying, Hail, Thunderstorm, Fog, Ground Frost, Gale); Bright Sunshine (Hours per day, Daily Mean, Deviation from Normal, Per Cent).

† At Scarborough the earth thermometer is at a depth of 3ft. † Botanic Gardens, published in this Report from July, 1899. †† University Farm station. ** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft. ††† On and from April 10th observations were taken one hour earlier than the times shown. § See paragraph headed "Sunshine" in Notes on Tables on last page of this issue.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, SEPTEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.								Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.		
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n	Snow lying.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.				
					A	B		Maximum.	Date.	Minimum.					Date.	Amount.												Date.			
	°F.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	0.2 in. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	hr.	hr.	%		
4. MID. COUNTIES—cont.																															
Warwick.	Birmingham	18-7	7	535	59.8	48.9	54.3	-1.4	72	1st	39	27th	53.0	53.4	4.59	117	+71	34	14th	16	14	0	0	1	1	6	3	0	2.67	-1.03	21
	B'ham, Sparkhill	713	7	424	61.7	47.9	54.8	—	74	1st	33	27th	—	—	4.21	107	—	29	14th	17	15	0	0	1	1	6	3	0	—	—	
	Coventry	9 9 9	270	61.3	48.5	54.9	-1.5	72	1st	35	27th	57.4	57.3	4.26	108	+62	27	14th	19	14	0	0	0	0	0	0	0	0	2.99	-1.41	24
	Leamington Spa	9 9 9	165	61.0	47.8	54.4	—	72	1st	33	27th	59.8	59.4	4.30	109	—	33	14th	17	14	0	0	0	0	3	1	0	2.59	—	20	
	Rugby	2121	9	390	61.2	45.2	53.2	—	72	1st	32	27th	—	—	4.28	109	—	24	14th	15	14	—	—	—	—	—	—	—	—	—	
Oxford.	Leaffield	18-7	7	612	58.8	47.1	52.9	—	71	1st	35	27th	—	—	6.30	160	—	44	14th	18	14	0	0	0	0	4	2	0	3.32	—	26
	Oxford	9 9 9	208	61.5	49.2	55.3	-1.3	72	2nd	34	27th	58.6	58.5	5.28	134	+91	39	14th	19	12	0	0	0	1	0	1	0	0	3.22	-1.71	26
	Oxford (Sandford)	9 9 9	210	61.9	48.1	55.0	—	71	2nd	31	27th	—	—	5.42	138	—	46	14th	16	11	0	0	0	0	0	3	0	3.18	—	25	
Bucks.	Mursley	9 9 9	490	60.1	47.7	53.9	—	70	2nd	36	27th	55.8	56.6	5.45	138	—	46	14th	16	13	0	0	0	0	—	3	0	3.45	—	27	
	Mayfield	9 9 9	374	59.9	45.8	52.9	—	72	1st	32	28th	—	—	4.61	117	—	26	14th	19	18	0	0	1	0	0	1	0	3.28	—	26	
Shropshire.	Roden, Well'n	9 9 9	207	61.4	45.5	53.5	—	73	1st	33	28th	—	—	2.91	74	—	16	14th	21	19	0	0	0	0	—	—	—	—	—	—	
	Wellington	9 9 9	259	61.2	48.3	54.7	—	72	1, 3	34	28th	—	—	2.60	66	—	20	14th	19	12	0	0	0	0	—	3	0	3.51	—	28	
	Wistanstow	2121	9	481	61.0	45.8	53.4	-1.4	71	1, 3	32	28th	—	—	3.08	78	+29	23	14th	17	15	0	0	0	0	4	0	—	—	—	
Worcester.	Malvern	9 9 9	377	60.5	50.0	55.3	—	72	1st	38	27th	57.4	58.1	4.40	112	+63	39	14th	20	12	0	0	0	0	0	0	0	3.73	—	30	
	Tenbury	9 9 9	313	62.0	47.2	54.6	-0.6	73	1st	30	27th	57.1	—	3.63	92	+55	33	14th	19	15	0	0	0	0	—	3	—	—	—		
	Worcester (Perdiswell)	9 9 9	95	61.3	47.5	54.4	—	72	1, 2	30	27th	—	—	3.53	90	—	27	14th	21	14	0	0	0	1	—	1	0	3.62	—	29	
Hereford.	Bromyard	9 9 9	392	61.7	46.6	54.1	—	72	1st	29	27th	57.3	57.7	4.74	120	—	36	14th	18	13	0	0	1	0	1	1	0	—	—	—	
	Hereford	9 9 9	291	61.1	47.9	54.5	-1.1	72	1st	32	27th	—	—	4.06	103	+56	31	14th	15	12	0	0	0	0	1	8	0	—	—	—	
	Ross-on-Wye	18-7	7	223	61.3	49.4	55.3	-1.2	73	1st	33	27th	57.4	58.1	4.56	116	+65	28	14th	18	13	0	0	0	0	3	1	0	3.33	—	26
Gloucester.	Cheltenham	2121	9	214	62.5	49.6	56.1	+0.1	72	3rd	35	27th	59.1	59.7	4.35	111	+64	31	14th	20	14	0	0	1	0	0	1	0	3.40	—	27
	Clifton	9 9 9	225	61.5	50.8	56.1	-1.8	70	3rd	37	27th	—	—	6.28	160	+100	37	14th	21	17	0	0	0	0	1	0	0	3.86	-0.97	31	
	Over Court	9 9 9	147	63.2	50.1	56.7	—	72	3rd	33	27th	—	—	6.35	161	—	39	14th	20	17	0	0	0	0	—	0	—	—	—		
5. ENGLAND, S.E.																															
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.96	-1.01	23	
	Camden Square	9 9 9	110	63.0	50.7	56.9	-1.7	76	2nd	37	27th	57.7	57.5	4.77	121	+75	38	14th	16	14	0	0	0	0	—	1	—	—	—	—	
	East Ham	9 9 9	15	63.2	51.2	57.2	—	75	2nd	35	27th	—	—	4.18	106	—	37	14th	14	11	—	—	—	—	—	—	—	—	—	—	
	Enfield	9 9 9	148	62.9	49.5	56.2	—	76	2nd	33	27th	—	—	5.8.8	4.82	122	+75	37	14th	16	13	0	0	0	0	1	0	0	3.26	—	26
	Greenwich	2424	9	149	64.4	49.0	56.7	-1.3	76	2nd	35	27th	57.3	57.0	4.07	103	+58	34	14th	15	10	0	0	0	1	1	2	0	3.32	-1.63	26
	Hampst'd Res.	9 9 9	450	60.5	47.1	53.8	—	73	2nd	35	27th	—	—	5.42	138	—	38	14th	18	14	0	0	0	2	—	3	—	3.40	—	27	
	Kensington	18-9	9	80	62.7	51.1	56.9	—	75	2nd	38	27th	58.4	59.2	4.70	119	—	35	14th	16	13	0	0	0	2	1	0	—	2.66	—	21
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Richmond (Kew Obs.)	2424	24	18	61.9	49.8	55.9	-1.2	71	2nd	35	27th	58.3	58.5	4.49	114	+66	20	15th	15	11	0	0	0	1	3	2	0	3.40	-1.43	27
	Stroud Green	18-7	7	212	62.7	50.2	56.5	—	76	2nd	37	27th	—	—	5.26	134	—	37	14th	14	13	0	0	0	2	2	1	1	—	—	—
	Tottenham	2121	9	51	63.7	51.3	57.5	—	76	2nd	36	27th	—	—	60.1	5.03	128	—	38	14th	17	12	0	0	0	—	3	0	3.16	-1.60	25
	Westminster	9 9 9	27	63.2	51.7	57.5	-0.7	75	2nd	38	27th	—	—	4.38	111	+69	33	14th	13	12	—	—	—	—	—	1	—	3.13	-1.10	25	
Surrey	Addington	9 9 9	472	59.3	49.2	54.3	—	72	2nd	39	27th	—	—	5.44	138	—	39	14th	17	13	—	—	—	—	—	—	—	—	—	—	
	Croydon Aero.	18-7	7	244	62.2	49.9	56.1	—	74	2nd	35	27, 28	—	—	5.29	134	—	38	14th	17	14	0	0	0	1	1	2	0	3.66	—	29
	Wisley	9 9 9	150	62.8	49.5	56.1	-0.3	74	2nd	33	27th	58.9	58.6	4.91	125	+72	38	14th	18	13	0	0	0	1	1	3	0	3.52	-1.55	28	
Kent.	Biggin Hill	18-7	7	597	59.9	49.5	54.7	—	70	2nd	41	24, 30	—	—	5.66	144	—	42	14th	24	17	0	0	0	1	5	2	0	3.72	—	30
	Bromley	9 9 9	213	62.6	49.3	55.9	—	73	2rd	35	27th	—	—	4.43	113	—	35	14th	16	13	—	—	—	—	—	—	—	—	—	—	
	Canterbury	9 9 9	124	63.8	49.0	56.4	—	74	2nd	33	27th	59.6	59.2	3.20	81	—	24	14th	15	11	—	—	—	—	—	—	—	—	—	—	
	Deal	9 9 9	25	64.2	51.4	57.8	—	72	2nd	38	27th	58.6	58.6	2.56	65	—	19	23rd	13	9	0	0	0	0	0	0	0	3.79	—	30	
	Dover	9 9 9	22	62.8	52.9	57.9	—	70	2nd	40	27th	59.6	61.2	3.05	77	—	17	14th	14	11	0	0	0	0	0	0	2	4.07	—	32	
	Dungeness	18-7	7	20	63.1	52.4	57.7	-0.5	70	2nd	38	28th	—	—	2.84	72	+20	14	23rd	15	12	0	0	0	3	2	—	—	—	—	
	East Malling	9 9 9	127	63.1	48.6	55.9	—	74	2nd	32	27th	—	—	4.76	121	—	40	14th	16	11	0	0	0	0	0	4</					

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of SEPTEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.				MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
			0	1	2	3	4	5	6	7	8	9																									
2. ENGLAND, N.E.—cont.																																					
Durham. Durham ...	9	352	1006.6	—	53.3	2.4	11.5	83	7.0	1	6	4	4	15	0	0	1	0	4	5	12	7	1	0	0	4	21	5	0	2	0	0	7	2	11	3	
	21	352	1006.6	—	50.7	1.4	11.5	90	6.5	8	2	1	3	16	0	0	0	0	0	4	4	18	8	0	0	0	5	16	9	2	0	1	0	0	7	8	3
York, N. Riding. Scarborough...	9	96	1007.2	—	54.9	2.9	12.0	81	5.7	2	7	9	4	8	0	2	0	0	2	2	9	9	6	0	0	2	28	0	5	3	0	2	4	4	5	7	
	9	53	1007.2	—	54.5	3.1	11.8	80	8.2	2	3	0	4	21	—	—	—	—	—	—	—	—	—	—	—	0	1	27	2	8	1	1	0	6	5	5	2
21	53	1007.1	—	53.6	2.1	12.2	86	6.6	9	1	1	0	19	—	—	—	—	—	—	—	—	—	—	—	0	0	30	0	4	3	2	1	6	4	8	2	
E. Riding. Spurn Head	1	28	1006.5	—	53.9	0.9	13.4	94	6.0	5	1	10	5	9	0	0	0	0	0	4	11	10	5	0	0	21	9	0	2	4	3	1	3	6	8	3	
	7	28	1006.7	-9.2	53.3	1.1	12.7	92	7.9	0	3	4	13	10	2	0	0	0	0	1	15	11	1	0	0	20	8	2	2	4	0	1	4	8	5	4	
	13	28	1007.3	—	57.6	2.5	13.9	85	7.7	1	1	8	8	12	0	1	0	0	1	0	9	13	5	1	0	20	9	1	2	4	2	1	2	6	8	4	
	18	28	1006.6	—	55.7	1.8	13.6	88	8.1	0	3	4	8	15	0	0	0	0	0	5	8	14	3	0	0	17	13	0	3	5	3	0	4	6	7	2	
Lincoln. Cranwell H	1	240	1008.4	—	50.9	0.4	12.5	97	6.1	6	5	2	4	13	0	1	2	1	0	4	14	8	0	0	0	7	20	3	1	2	2	0	2	7	10	3	
	7	240	1008.1	—	51.0	0.5	12.5	96	8.2	1	2	2	10	15	0	3	1	0	4	2	11	2	7	0	0	9	20	1	4	1	2	1	2	5	10	4	
	13	240	1008.3	—	59.0	3.0	14.2	82	8.1	1	0	6	8	15	0	0	0	0	0	1	13	6	9	1	0	18	11	1	2	2	3	0	1	6	11	4	
	18	240	1008.1	—	55.2	1.3	13.5	90	7.6	0	6	2	10	12	0	0	0	0	0	2	11	10	7	0	0	6	21	3	0	2	3	2	2	5	9	4	
3. ENGLAND, E.																																					
Norfolk. Cromer ...	9	74	1007.5	—	55.1	1.3	13.5	91	7.7	0	4	5	9	12	0	0	0	0	0	1	7	10	12	0	0	7	23	0	3	2	3	2	6	4	8	2	
Norfolk. Yarmouth...	1	26	1007.4	—	54.0	1.4	12.9	91	5.0	10	3	3	5	9	0	0	0	0	0	1	6	23	0	0	0	6	20	4	0	2	2	0	4	9	8	1	
	7	26	1007.5	-8.9	52.7	1.5	12.3	90	7.1	1	4	6	8	11	0	2	0	0	0	2	18	8	0	0	0	11	18	1	0	3	1	1	2	11	10	1	
	13	26	1007.8	—	61.2	4.4	13.7	75	7.2	0	1	14	3	12	0	0	0	0	0	0	17	13	0	0	0	15	14	1	3	3	1	1	4	7	7	3	
	18	26	1007.7	—	58.5	3.5	13.5	79	7.3	1	1	11	5	12	0	0	0	0	0	1	20	9	0	0	0	9	19	2	1	2	1	5	7	6	4		
Suffolk. Felixstowe Aero.	7	20	1008.9	—	54.0	1.3	13.0	91	6.7	1	7	4	8	10	0	1	1	1	4	5	13	3	2	0	0	13	16	1	1	2	0	1	3	7	7	8	
	13	20	1008.9	—	60.9	4.8	13.3	73	7.1	0	3	7	14	6	0	0	0	0	0	0	6	15	9	0	0	16	14	0	4	3	2	2	5	7	5	2	
	18	20	1008.7	—	58.3	2.9	13.5	83	7.2	0	5	4	12	9	0	0	0	0	0	6	12	9	3	0	1	9	18	2	2	2	1	3	5	9	3		
Cambridge. Cambridge H	9	43	1008.7	-8.6	57.5	3.3	13.1	80	7.3	2	4	3	7	14	—	—	—	—	—	—	—	—	—	—	—	0	13	17	0	4	1	1	1	2	7	11	3
	21	43	1008.5	-8.7	55.4	2.3	13.1	85	5.5	12	1	0	3	14	—	—	—	—	—	—	—	—	—	—	—	0	3	25	2	4	3	0	1	2	6	7	5
Hertford. Rothamsted	9	396	1008.9	—	55.3	2.4	12.5	85	7.2	1	7	1	8	13	0	0	0	0	0	4	26	0	0	0	0	7	16	7	1	2	0	0	6	9	2	3	
Essex. Shoeburyness H	7	14	1009.3	—	54.3	0.6	13.9	95	6.5	4	5	2	7	12	0	0	0	2	2	6	13	4	3	0	0	6	22	2	0	2	0	2	1	11	7	5	
	13	14	1009.3	—	61.7	3.4	15.4	81	6.7	0	8	3	10	9	0	0	0	0	0	0	7	13	10	0	0	16	13	1	1	2	1	1	2	10	7	5	
	18	14	1009.0	—	57.8	1.5	15.0	92	6.9	1	4	7	10	8	0	0	0	0	1	2	8	16	3	0	0	7	22	1	0	1	4	0	5	8	7	4	
4. MIDLAND COUNTIES.																																					
York, W. Riding. Harrogate ...	7	478	1006.8	—	50.4	1.4	11.0	90	7.5	1	4	3	11	11	0	0	2	3	1	4	2	7	10	1	1	1	28	0	2	0	1	3	6	13	3	2	
	13	478	1007.1	—	57.0	4.3	11.6	74	7.9	0	4	1	18	7	0	0	0	0	0	4	1	8	14	3	0	10	19	1	1	1	2	2	2	17	3	1	
	18	478	1007.0	—	53.7	2.7	11.7	82	7.1	0	7	2	13	8	0	0	0	2	2	1	0	10	15	0	0	6	21	3	2	0	4	1	3	14	2	1	
Nottingham. Nottingham	9	215	1007.4	—	54.6	2.8	12.1	81	8.2	0	3	2	10	15	0	1	0	4	3	8	9	2	3	0	0	18	12	0	3	3	0	2	4	1	16	1	
Warwick. Birmingham H	7	542	1008.8	—	51.2	1.3	11.9	91	7.0	1	6	3	11	9	0	0	1	5	1	6	5	1	11	0	0	6	23	1	3	1	2	1	3	10	5	4	
	13	542	1008.7	—	57.9	4.5	12.1	73	7.6	0	0	8	19	3	0	0	1	1	2	2	7	1	16	0	0	11	18	1	1	1	3	1	1	9	8	5	
	18	542	1008.4	—	55.5	3.4	12.0	78	6.9	1	5	5	12	7	0	0	0	2	1	3	8	1	15	0	0	5	24	1	3	2	2	0	3	7	6	6	
Oxford. Oxford ...	9	212	1009.7	-8.1	55.1	2.4	12.5	85	7.2	2	5	2	7	14	0	0	0	0	0	1	10	5	13	1	0	9	18	3	2	2	1	1	3	10	6	2	
Hereford. Ross-on-Wye H	7	226	1008.8	—	51.9	1.5	12.1	90	7.8	0	4	4	10	12	0	0	1	2	2	4	5	4	11	1	0	4	21	5	2	1	2	0	1	10	6	3	
	13	226	1008.7	—	59.2	4.7	12.6	73	7.8	0	4	2	14	10	0	0	0	0	0	2	4	7	11	6	0	6	23	1	1	1	2	2	1	7	10	5	
	18	226	1008.5	—	56.0	3.3	12.3	79	7.6	0	4	5	11	10	0	0	0	1	1	7	4	12	5	0	0	6	24	0	1	2	3	0	1	8	11	4	
	21	226	1009.1	—	52.8	1.8	12.1	88	7.1	1	6	3	7	13	0	0	1	0	1	3	7	4	13	1	0	6	20	4	1	3	2	0	0	13	7	0	
Gloucester. Cheltenham H	9	230	1009.2	—	56.2	3.0	12.7	81	7.1	1	4	6	6	13	0	0	0	0	0	2	12	10	6	0	0	1	28	1	4	0	2	1	1	1	16</		

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of SEPTEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.															
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.				NUMBER OF OBSERVATIONS.									FORCE (0-12).			DIRECTION.												
										0	1 to 2	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
5. ENGLAND, S.E.—cont.																																						
Kent.	Biggin Hill H	7	616	1009.1	—	51.8	0.9	12.6	94	6.7	3	7	0	4	16	0	1	0	1	3	4	11	7	3	0	0	13	16	1	2	2	0	2	3	18	0	2	
		13	616	1009.1	—	58.2	3.6	13.2	79	8.3	0	0	0	8	7	15	0	0	0	1	1	2	11	6	9	0	0	12	17	1	2	3	1	1	1	13	6	2
		18	616	1008.8	—	54.8	1.9	13.0	88	7.9	0	5	1	13	11	0	0	0	0	0	6	11	11	2	0	0	0	8	21	1	0	3	0	2	1	15	5	3
Kent.	Dungeness ...	1	21	1009.6	—	55.7	1.3	14.0	91	5.6	6	3	7	6	8	0	0	0	0	0	0	0	11	16	0	0	11	19	0	4	0	1	1	0	6	12	6	
		7	21	1009.8	-7.1	55.2	1.3	13.5	91	7.6	1	2	5	9	13	0	0	1	1	0	0	4	12	11	1	0	13	17	0	3	1	1	2	1	4	9	9	
		13	21	1009.6	—	61.7	3.6	15.1	80	7.9	0	1	7	11	11	0	0	0	0	2	0	3	7	16	2	0	16	14	0	3	1	1	1	2	13	9	0	
		18	21	1009.4	—	58.5	2.1	14.9	87	8.2	0	0	0	7	12	11	0	0	0	0	0	1	18	11	0	0	13	15	2	2	2	2	0	1	12	8	1	
Kent.	Lympe H	1	343	1009.7	—	52.7	0.8	12.9	94	5.7	8	0	6	9	7	0	0	0	0	0	2	8	13	7	0	0	10	20	0	3	1	0	2	10	9	5		
		7	343	1009.6	—	52.6	0.9	13.0	93	6.9	1	8	0	11	10	0	0	1	2	0	9	6	5	6	1	0	11	19	0	3	1	1	0	2	3	8	6	
		13	343	1009.5	—	59.7	3.8	13.7	78	4.5	0	1	6	15	8	0	0	0	0	1	5	2	6	13	3	0	20	10	0	3	2	0	2	5	11	4	3	
		18	343	1009.4	—	55.6	1.8	13.5	88	7.9	0	2	4	17	7	0	0	1	0	1	3	11	4	10	0	0	9	21	0	4	2	0	1	3	13	5	2	
Kent.	Tunbridge Wells	9	396	1010.4	—	56.9	2.3	13.6	85	6.6	1	8	2	6	13	0	0	0	0	2	8	3	14	3	0	0	3	27	0	0	3	1	2	2	8	8	6	
Sussex.	Brighton H	9	48	1010.2	—	58.5	2.9	14.1	82	6.3	7	2	4	3	14	0	0	0	0	3	16	6	5	0	0	0	0	27	3	1	5	0	1	5	10	3	2	
Sussex.	St. Leonards	9	174	1010.0	—	58.7	2.7	14.3	84	7.1	1	6	3	8	12	0	0	0	0	1	2	4	11	12	0	1	5	24	0	2	2	1	1	1	6	11	6	
		21	174	1010.0	—	55.3	1.7	13.1	89	5.1	7	7	2	7	7	0	0	0	0	0	0	2	12	15	0	0	5	24	1	2	1	0	0	1	10	5	10	
I. of Wight.	Ventnor (Hosp.)	9	80	1010.2	—	58.4	2.7	13.7	83	7.6	0	4	4	8	14	—	—	—	—	—	—	—	—	—	—	0	12	18	0	1	4	2	0	2	4	14	3	
		15	80	1009.6	—	60.3	3.8	13.7	78	7.4	0	5	5	9	11	—	—	—	—	—	—	—	—	—	—	0	14	16	0	3	2	1	1	2	2	19	0	
Hampshire.	Calshot ...	1	15	1010.2	—	54.6	1.7	12.9	89	6.1	5	4	4	8	9	0	0	0	0	0	5	13	12	0	0	0	12	17	1	2	2	1	2	0	5	12	5	
		7	15	1009.8	—	54.5	1.6	12.9	89	7.5	1	3	4	10	12	0	0	0	1	0	1	11	8	8	1	0	12	17	1	3	1	2	2	1	6	9	5	
		13	15	1009.9	—	61.1	4.8	13.3	73	7.8	0	4	3	11	12	0	0	0	0	0	0	8	7	14	1	0	22	7	1	3	0	3	1	2	8	5	7	
		18	15	1009.5	—	58.0	3.1	13.3	81	7.0	0	5	4	14	7	0	0	0	0	0	0	8	12	10	0	0	13	17	0	3	0	3	0	1	11	9	3	
Hampshire.	Southampton H	9	84	1010.1	-7.8	55.4	2.0	13.3	88	6.5	2	6	4	7	11	0	0	0	1	1	8	19	1	0	0	0	3	26	1	4	3	1	2	0	7	9	3	
		21	84	1010.2	-7.5	56.2	2.0	13.5	86	6.5	1	8	3	8	10	0	0	1	1	2	7	18	1	0	0	0	3	26	1	2	1	1	1	1	8	13	2	
Hampshire.	S. Farnborough H	7	256	1009.3	—	51.6	0.7	12.8	95	6.4	2	9	0	6	13	0	0	3	0	2	3	4	8	10	0	0	5	21	4	2	1	3	0	3	8	7	2	
		13	256	1009.4	—	60.2	4.1	13.7	76	8.4	0	0	7	7	16	0	0	0	0	0	0	11	8	11	0	0	9	21	0	2	1	2	1	4	6	9	5	
18	256	1009.0	—	56.8	2.3	13.7	86	7.7	1	3	5	10	11	0	0	0	0	0	1	9	11	9	0	0	4	25	1	2	0	1	2	3	9	10	2			
Hampshire.	Winchester (Worthy Down)	7	273	1009.5	—	51.5	0.7	12.3	95	7.2	1	7	2	4	16	0	0	1	2	1	3	6	8	9	0	0	4	22	4	4	0	1	1	4	11	2	3	
		13	273	1009.6	—	59.0	3.9	13.1	77	8.1	0	1	7	9	13	0	0	0	0	1	5	7	17	0	0	11	19	0	2	2	1	1	6	6	7	5		
		18	273	1009.2	—	55.8	2.0	13.2	87	7.5	0	2	6	13	9	0	0	0	0	0	0	7	9	13	1	0	2	27	1	2	1	2	0	7	8	7	2	
Wilt's.	Larkhill H	9	444	1009.6	—	55.3	2.1	13.0	86	7.5	1	4	3	12	10	0	0	0	0	1	5	3	21	0	0	16	14	0	5	1	2	1	3	7	8	3		
		13	444	1009.3	—	58.1	3.6	13.0	79	8.3	0	1	5	11	13	0	0	0	0	0	2	4	24	0	0	21	9	0	3	3	2	1	3	7	7	4		
		15	444	1008.9	—	58.5	3.8	13.0	77	7.8	0	2	5	13	10	0	0	0	0	0	3	4	21	2	0	19	11	0	3	3	1	1	3	3	10	6		
7a. ENGLAND, N.W.																																						
Cumberland.	Aspatria (Mealsgate)	9	485	1006.8	—	52.7	1.8	11.1	87	7.4	1	2	10	2	15	—	—	—	—	—	—	—	—	—	—	0	3	20	7	0	6	0	0	1	9	6	1	
		21	485	1006.7	—	50.1	0.6	11.7	96	5.9	7	4	4	0	15	—	—	—	—	—	—	—	—	—	—	0	3	18	9	0	6	0	4	3	4	4	0	
Lancashire.	Hutton ...	9	86	1007.5	—	55.1	1.3	13.5	91	8.0	1	0	8	6	15	—	—	—	—	—	—	—	—	—	0	3	10	17	1	1	0	0	1	2	6	2		
Lancashire.	Southport H	9	42	1007.8	-9.1	55.4	2.4	12.8	84	7.9	0	4	5	5	16	0	0	0	0	0	13	2	1	14	0	0	16	11	3	2	1	3	2	4	1	8	6	
		13	42	1007.9	-8.8	58.4	4.1	12.8	76	7.0	1	5	5	8	11	0	0	0	0	0	8	1	0	21	0	0	21	9	0	1	1	2	0	4	2	11	9	
		17	42	1007.4	-8.8	57.0	3.5	12.6	78	7.8	1	3	5	4	17	0	0	0	0	1	8	2	1	17	1	0	21	9	0	1	1	4	1	4	12	6		
		21	42	1007.6	-9.2	54.8	2.2	12.7	85	7.4	1	6	3	1	19	0	0	0	0	2	14	7	1	6	0	0	19	10	1	3	1	3	0	1	6	12	3	
Lancashire.	Stonyhurst	9	381	1007.7	—	53.9	2.2	12.1	85	8.2	0	4	1	11	14	0	0	0	0	1	9	12	8	0	—	—	—	—	—	—	—	—	—	—	—	—		
		21	381	1007.6	—																																	

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 6½ "
7	" 6½ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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**OCTOBER, 1927: First half mainly fine and dry; second half unsettled.
Last week abnormally mild with destructive gales, 28th-29th.**

General.—Apart from heavy rain on the first two days, mainly fine dry anticyclonic weather with much local fog in the mornings and evenings prevailed generally up to the 12th. Conditions then became less settled and from the 21st to the end of the month unsettled weather with frequent rain prevailed in all districts, the last week being unusually mild with violent gales on the 28th-29th.

During the first two days of October, unsettled stormy weather prevailed generally with heavy falls of rain in Scotland and the north-west of England. On the 3rd an anticyclone spread in from the Atlantic and fine quiet dry weather prevailed generally up to the 13th, the dry spell continuing almost unbroken in some districts up to the 20th. Much fog developed locally at night or in the early morning between the 4th and the 12th and in a few places persisted upon some occasions during the day time. In many districts, however, the weather was very fine and warm, notably on the 7th when temperatures of 70°F. and over were recorded in a few places. Cold nights with frost in the screen and severe ground frost occurred frequently in inland districts during the period 3rd to the 10th.

About the 12th the anticyclone was withdrawing westwards to the Atlantic and conditions began to deteriorate and during the next few days winds were northerly to north-easterly with much cloud, lower day temperatures and frequent light rain, showers or drizzle. After the 15th milder weather was associated with westerly winds.

Unsettled conditions became general when a depression moving eastwards across the British Isles caused heavy rain in all districts on the 21st and 22nd. Warm currents of equatorial air caused temperature to rise above 60°F. repeatedly after the 25th and some remarkably warm nights, notably the night of the 26th-27th, were experienced. The last week of the month was abnormally mild with frequent rain and severe gales on the 28th-29th.

The following remarks taken from Observer's notes illustrate the general character of the month:—Southport—Earlier half of month mainly exceptionally dry, sunny and calm; latter half extremely unsettled. Great gale on 28th and 29th not surpassed since that of December 22nd, 1894. Huddersfield (Oakes)—A mild month with average rainfall; mainly unsettled after the 12th. Copdock—The first twenty days of the month were nearly rainless although conditions were damp and after the 11th more or less sunless; from the 21st onwards the days were mostly wet but there were only two on which there was any considerable quantity of rain with the result that the month's total is for the first time since May, considerably below the average. The screen minima of 56°F. on the 26th and 31st and 57°F. on the 27th are far above any minima I have ever recorded after the middle of the month. Halstead (Essex)—A very mild month with an exceptional spell of almost unbroken fine weather from 2nd to 20th. Malvern—October has been an unusual month, noteworthy for amount of sunshine during first half of month, very little rain falling till the 21st. The last week was abnormally warm. Littlehampton—The month opened with unsettled weather, but improved on the 3rd and on the whole was very pleasant until the 24th, the weather during the last week being of an unsettled character. Temperature high for time of year. Teignmouth—Generally fine to the 18th, then unsettled, stormy and very mild. Dean Prior (Devon.)—Absolute drought 3rd-18th inclusive. Last fortnight very wet and almost summer warmth during last week. Woolacombe—The first half of month was extremely fine and dry enabling farmers to save their corn and potato crops. Much damage done by gales on night of the 28th to 29th. Cork—A comparatively mild month with much cloud and very high humidity. The period from the 6th to the 19th was without rain. Dublin—The first three weeks were chiefly fine and quiet with scanty rainfall, thence forward unsettled with frequent rain. Violent gale on the evening of the 28th.

Pressure and Winds.—The mean pressure for the month was above the normal in all districts. Over Scotland and the western districts of the British Isles winds were south-westerly to westerly; over the eastern districts there was a considerable frequency of northerly winds. Gales occurred on the 2nd, gusts exceeding 60 m.p.h. being recorded in many exposed places (e.g., 74 m.p.h. at South Shields). Widespread destructive gales, the severest experienced since the violent gales of January 28th, 1927, and accompanied by loss of life, notably in the western districts of Ireland, occurred on the 28th and 29th and were associated with the passage of the depression (Track Q). In the south-western districts of the British Isles gusts of 70 m.p.h. and over were recorded at exposed coastal stations in the afternoon and evening of the 28th, e.g., 77 m.p.h. at Scilly, 78 m.p.h. at Cahirciveen, 89 m.p.h. at Weaver Point and 85 m.p.h. at Quilty. At Southport the mean velocity for the hour 23h. 30m. on the 28th to 0h. 30m. on the 29th was 70 m.p.h. and in a gust the wind attained a velocity of 96 m.p.h. At Fleetwood a gust of 78 m.p.h. was recorded

in the early morning of the 29th and along the whole length of the Fylde coast the storm produced a sea of unparalleled height. About 2 square miles of low lying ground in the peninsula which forms the Urban District of Fleetwood was flooded by a volume of water estimated at nearly 4½ million tons. The gale was less severe on the east coast; South Shields recorded a gust of 74 m.p.h. on the morning of the 29th and Spurn Head a gust of 72 m.p.h.

Temperature.—The mean temperature of Districts 1-10 was 50·8°F. and was 1·8°F. above the normal. Day temperatures were mostly above the normal during the first half of the month, the highest day temperatures recorded during the month occurring on or about the 7th in most districts. Northerly winds during the third week of the month resulted in lower day temperatures with severe frost round about the 21st. Subsequently the influx of warm currents of equatorial air caused temperature to rise and from the 25th to the end of the month exceptionally mild conditions prevailed generally. Day temperatures exceeding 65°F. were recorded in many places (68°F. at Dublin on the 25th) while the nights were unusually warm, screen minima of 55°F. and above being recorded in several places, while at a few stations in the east and south-west of England the screen minimum temperature on the night of the 26th-27th did not fall below 60°F. In all Districts, the mean temperature for the week ending October 29th was markedly above the normal, the excess ranging from 3·2°F. in Scotland N. to 7·4°F. in England E.

The mean temperature for the month was above the normal in all Districts, the excess ranging from 0·2°F. in Scotland N. (mean temperature 46·6°F.) to 2·6°F. in Ireland S. (mean temperature 52·4°F.)

The extreme temperatures for the month were:—(England and Wales) 72°F. at Huddersfield on the 7th and at Lenton Fields on the 8th and 25°F. at Castleton on the 21st; (Scotland) 70°F. at Crieff and Perth on the 7th and 16°F. at Braemar on the 21st; (Ireland) 71°F. at Lisburn on 7th and 29°F. at Lisburn on the 20th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal (1881-1915) was 90; the values for the constituent countries were:—England and Wales 69; Scotland 139; Ireland 94.

Apart from heavy rain on the 1st and 2nd, fine dry weather prevailed generally up to the 12th and in some districts the dry spell lasted almost unbroken up to the 20th, after which rain fell frequently, heavy falls being recorded locally. Amongst the largest daily measurements were 57mm. at Ford, 43mm. at Oban and Cardross on the 1st, 52mm. at Balbriggan and Newtown Barry and 45mm. at Greenock on the 21st, 31mm. at Mansfield and 28mm. at Cromer on the 22nd, 51mm. at Dean Prior on the 27th and 46mm. at Keswick on the 28th.

In England and Wales, rainfall totals were below the normal in all districts and in many parts of England did not greatly exceed 50 per cent.; in many districts less than 50 per cent. of the normal total for the month was recorded, particularly in the south-east of England.

In Scotland rainfall totals were below the normal in some Border districts and in Shetland but in general there was an excess and this was considerable in some northern areas and in Forfarshire. Flooding occurred in various districts on the 2nd, notably in the Greenock area, and towards the end of the month. Snow fell here and there in the south on the 2nd and about the 20th.

In Ireland monthly totals were mostly below the normal in the south and west of Ireland but exceeded the normal in some northern and eastern areas. Thus, Malin Head had 150 per cent. of the normal and Balbriggan (Ardgillan) 135 per cent.

Thunderstorms were infrequent but occurred on one or two occasions in some districts.

Sunshine.—Monthly aggregates of bright sunshine were generally above the normal in the western districts of England and Wales and the Channel Isles and below the normal in the central districts of England and in the London area; elsewhere they approximated to the normal.

Abundant sunshine was recorded on several days in most districts during the period of fine anticyclonic weather which set in on October 3rd. Good sunshine records were obtained on a few days, during the second half of the month notably on the 26th, the 29th and 31st.

Fog.—The quiet anticyclonic weather between the 3rd and the 12th favoured the development of fog. Many places reported fog in the morning or at night and in a few places the fog on some occasions persisted throughout the day.

Miscellaneous Phenomena.—Halos of 22°F. were observed on various dates. A brilliant parhelia was seen at Aberdeen on the 29th. Aurora was observed at Lerwick on the 2nd, 19th, 20th, 22nd, 23rd and 27th; at Baltasound (Shetland) on the 29th; in Orkney on the 1st, 7th and 8th; at Aberdeen on the 16th, and here and there on the mainland of Scotland on some of these dates.

DISTRICT VALUES AND WIND SUMMARY, OCTOBER, 1927.
TABLE I.—DISTRICT VALUES—OCTOBER, 1927.

[1908.]

DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (1-10).				PRESSURE. MEAN SEA LEVEL.				
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h 9h	13h 15h	17h 18h 21h	Highest	Date.	Lowest	Date	
			Daily Max.	Daily Min.	** Adjusted Daily Mean	Deviation from Normal.																			°F.
0. SCOTLAND, N. ...	68	24	51.8	41.7	46.6	+0.2	—	—	—	5.91	150	+23	20	2.59	+0.09	25	7.7	7.4	8.1	8.1	1033	9	978	29	
Eastern.																									
1. SCOTLAND, E. ...	70	16	53.6	41.1	47.2	+0.7	—	—	—	4.05	103	+20	19	3.01	+0.21	29	6.4	6.7	6.9	6.6	1034	8	975	29	
2. ENGLAND, N.E. ...	70	25	56.4	44.2	50.1	+1.5	49.6	-0.4	51.7	1.78	45	-31	16	3.18	+0.15	30	5.8	7.0	7.1	6.6	1034	9	980	29	
3. ENGLAND, E. ...	68	29	58.1	45.2	51.5	+1.9	52.6	-0.9	54.7	-1.0	1.91	49	-18	3.30	-0.03	31	6.1	6.6	6.6	6.0	1033	9	985	22	
4. MIDLAND COUNTIES ...	72	26	57.5	44.1	50.6	+2.3	50.1	-0.5	52.3	-0.8	2.04	52	-22	2.51	-0.37	24	—	7.7	7.0	5.6	1033	9	986	22	
5. ENGLAND, S.E. ...	67	29	58.5	45.5	51.8	+1.0	52.8	-0.6	55.6	-0.4	1.66	42	-46	3.40	-0.04	32	5.2	7.2	6.8	6.1	1033	5, 6	988	22, 23	
Western.																									
6. SCOTLAND, W. (& I. of Man) ...	69	23	56.0	43.6	49.6	+1.7	—	—	51.7	-0.7	5.48	139	+20	18	3.01	+0.05	29	—	7.6	7.2	6.4	1033	8	975	28
7. ENGLAND, N.W. (& N. Wales) ...	68	30	56.7	45.7	51.0	+1.8	50.3	-0.2	52.2	-1.1	2.99	76	-21	18	3.52	+0.67	34	5.8	7.3	6.5	6.9	1032	5, 6, 9	983	28
8. ENGLAND, S.W. (& S. Wales) ...	67	29	58.3	46.5	52.2	+1.6	53.3	-0.3	55.7	-0.7	2.80	71	-45	14	3.66	+0.39	34	6.3	6.8	6.5	6.1	1032	6	988	22
9. IRELAND, N. ...	71	29	57.2	45.3	51.1	+2.5	51.9	-0.2	53.3	-0.7	3.21	82	-12	17	2.83	-0.04	27	5.8	6.4	6.7	6.2	1032	12	975	28
10. IRELAND, S. ...	70	30	58.5	46.6	52.4	+2.6	52.1	-0.5	53.4	-1.1	3.12	79	-21	17	3.13	-0.14	30	—	7.5	7.2	6.7	1031	5, 6, 12	973	28
11. CHANNEL I. (& Scilly) ...	67	43	59.4	52.2	55.7	+1.7	55.8	-0.3	57.5	-0.9	1.80	46	-59	13	4.32	+0.35	40	5.7	6.4	6.5	6.2	1032	6	990	22
Mean: DISTRICTS 1-10	72	16	57.1	44.8	50.7	+1.8	51.6	-0.5	53.4	-0.8	2.90	74	-18	16	3.15	+0.09	30	5.9	7.1	6.9	6.3	1034	—	973	—

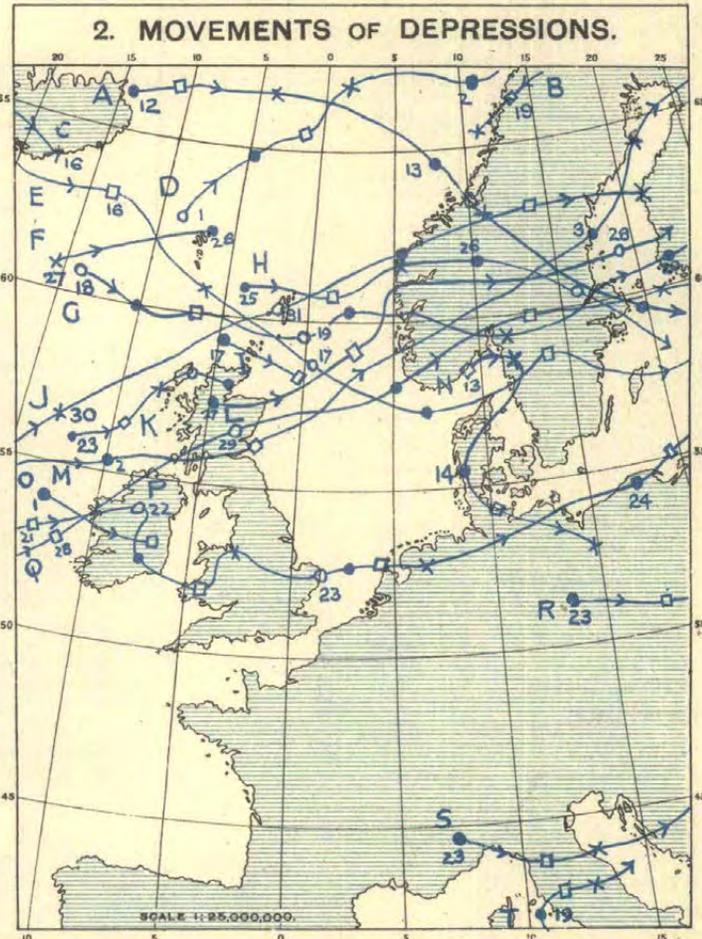
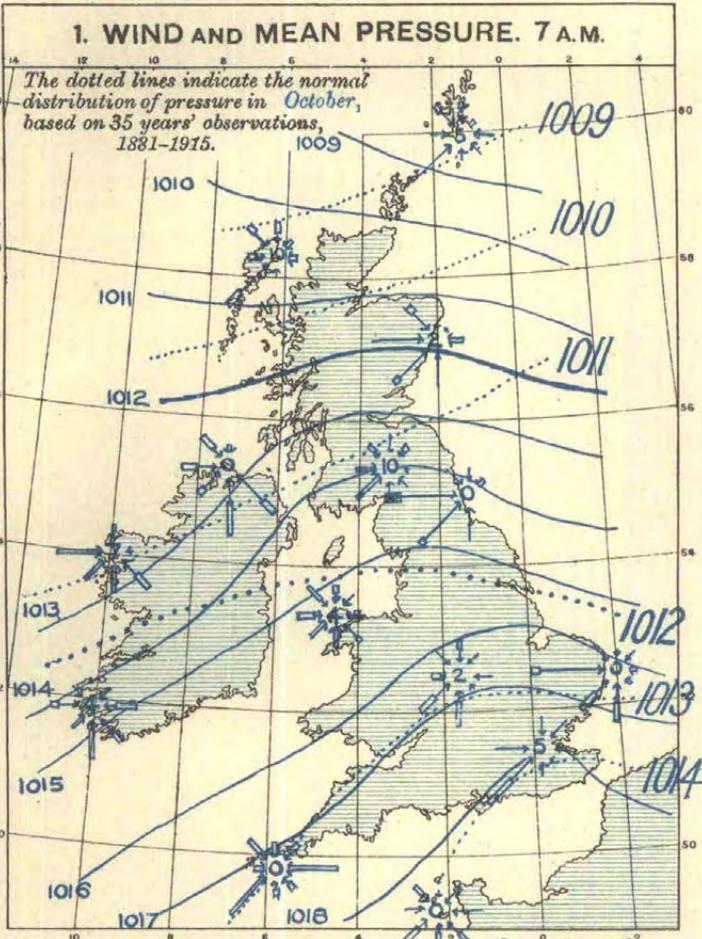
TABLE II.—SUMMARY of AUTOGRAPHIC RECORDS of WIND.—OCTOBER, 1927.

[1914.]

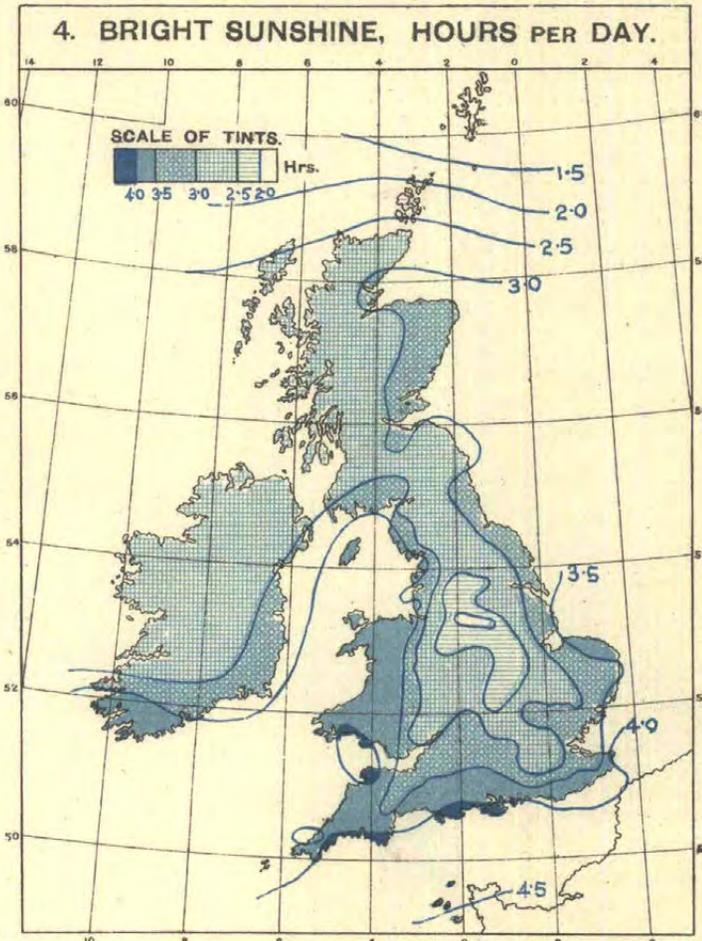
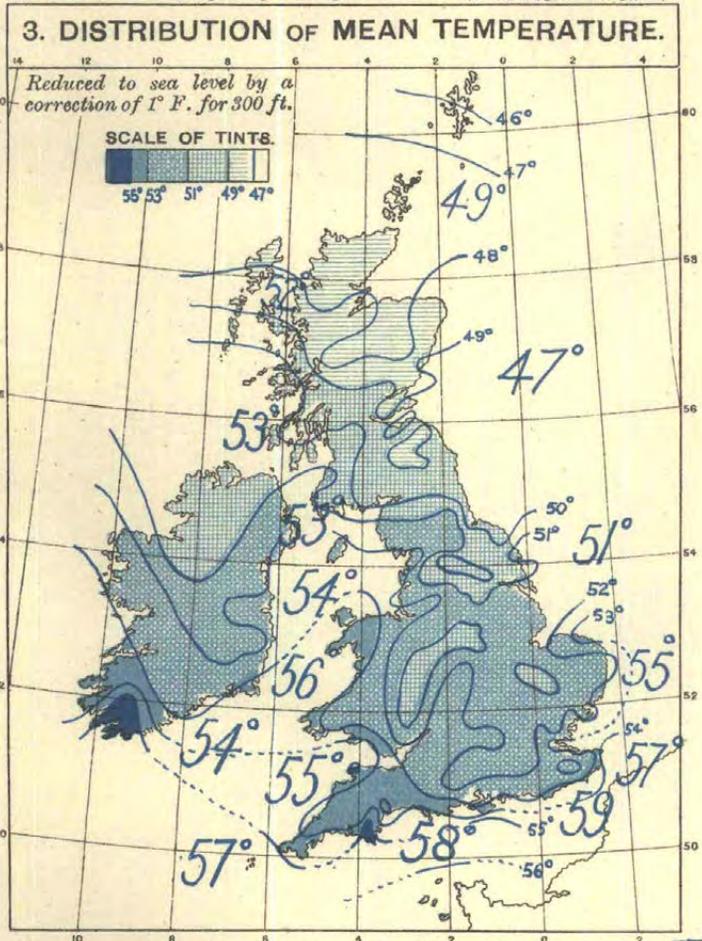
DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	—	0	12	79	325	271	69	0	260	35	16	25	12	55	25	3	3	5
Orkneys Deerness (Cup Anr.)	188	16	5	—	0	11	26	311	314	61	32	{ 340 320	29	13	2	21	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	70	42	33†	—	0	6	28	119	499	98	0	70	36	16	22	18	55	25	27	11	20
Kincardine Balmakewan ...	140	25	18	—	0	1	5	48	(331)	(360)	0	260	29	13	27	9	53	24	27	10	50
Edinburgh Edinburgh ...	485	39	31†	27	2	8	43	284	316	99	0	250	43	19	27	7	72	32	27	6	0
6a. SCOTLAND, W.																					
Argyll Tiree ...	80	55	48†	29	3	12	122	356	254	19	0	290	47	21	29	2	67	30	29	1	50
Renfrew Paisley ...	188	81	15	—	0	2	7	97	402	238	0	200	32	14	27	5	83	37	27	6	30
Dumfries Eskdalemuir ...	825	50	22	3	8	11	90	203	258	185	0	200	48	21	27	5	74	33	29	2	45
2. ENGLAND, N.E.																					
Durham South Shields ...	62	46	20	2, 29	3	5	4	145	426	156	0	280	44	20	2	16	74	33	29	3	20
York, E.R. Spurn Head ...	67	42	35†	2, 28, 29	14	14	107	279	307	37	0	230	49	22	29	3	72	32	29	2	5
Lincoln Cranwell ...	284	44	26†	28, 29	8	6	47	170	301	218	0	240	49	22	28	24	80	36	29	0	25
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	33†	—	0	2	36	207	411	85	5	210	35	16	28	22	61	27	29	1	10
Suffolk Felixstowe Aero. ...	55	40	25	—	0	6	26	228	(261)	(229)	0	230	34	15	29	1	50	22	29	0	55
Essex Shoeburyness ...	115	104	14†	—	0	6	59	222	320	111	32	210	38	17	28	20	57	25	29	1	20
4. MIDLAND COUNTIES.																					
Warwick Birmingham ...	643	118	18	—	0	3	14	164	446	120	0	240	38	17	28	24	67	30	29	0	15
5. ENGLAND, S.E.																					
Surrey Richmond (KewObs) ...	82	65	22	—	0	4	13	127	359	245	0	220	28	12	28	19	55	24	27	8	25
Surrey Croydon ...	284	40	24	—	0	1	5	157	368	214	0	230	27	12	28	23	49	22	28	18	30
Kent Dover ...	61	32	22	28	1	7	61	316	332	18	16	—	40	18	28	24	60	27	29	1	25
Kent Lympne ...	409	70	55†	—	0	6	53	202	454	35	0	180	37	17	28	21	53	24	29	2	25
Hampshire Petersfield ...	811	42	34†	—	0	4	14	158	355	217	0	250	33	15	28	20	52	23	28	19	20
Hampshire S. Farnboro' Tower ...	444	160	14	—	0	8	68	244	(327)	(105)	0	210	38	17	28	18	51	23	28	22	5
Hampshire Calshot ...	55	45	31†	—	0	3	13	133	416	182	0	180	30	13	28	17	54	24	28	19	0
Hampshire Worthy Down ...	314	43	27†	—	0	3	13	133	416	182	0	220	40	18	28	18	54	24	28	19	30
Wiltshire Larkhill ...	526	51	34†	28	3	7	70	262	(329)	(80)	0	220	40	18	28	18	54	24	28	19	30
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	112	50	12	2, 17, 28, 29	16	9	68	235	238	187	0	250	59	26	29	2	78	35	29	2	15
Lancashire Southport ...	77	59	45†	3	17	12	81	232	350	64	0	250	70	31	28	24	96	43	29	0	10
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	29†	2, 28, 29	12	13	92	281	237	122	0	240	57	25	28	22	84	38	28	23	45
Flint Sealand ...	77	61	49†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	28	4	9	88	182	371	99	0	—	43	19	28	15	57	25	28	18	10
Cornwall Pendennis Castle ...	256	65	24	12, 25 to 28	39	13	136	265	229	75	0	—	56	25	28	16	75	33	28	15	35
9. IRELAND, N.																					
Donegal Dunfanaghy ...	180	47	39	2, 27 to 29	6	10	74	142	359	163	0	—	51	23	28	24	73	33	28	23	35
Antrim Aldergrove ...	282	40	27	—	0	4	9	149	419	167	0	300	38	17	28	24	69	31	28	23	55
10. IRELAND, S.																					
Dublin Kingstown (CupAnr.) ...	49	27	16	2, 27 to 29	16	10	48	233	339	108	0	240	66	29	28	22	—	—	—	—	—
Clare Quilty ...	100	40	32†	28	4	7	30	284	333	93	0	—	55	24	28	19	85	38	28	18	55
Kerry Cahirciveen (Val.O.) ...	98	41	34†	26, 28	4	9	58	272	310	100	0	260	48	21	28	17	78	35	28	17	25
Cork Weaver Pt. ...	160	30	21†	2, 27, 28	15	19	152	430	132	15	0	—	60	27	28	17	89	40	28	18	0
11. SCILLY ISLES.																					
St. Mary's ...	160	42	35†	22, 23, 28	19	13	160	470	95	0	0	230	53	24	28	15	77	34	28	15	5

†† Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
† Standard mounting.

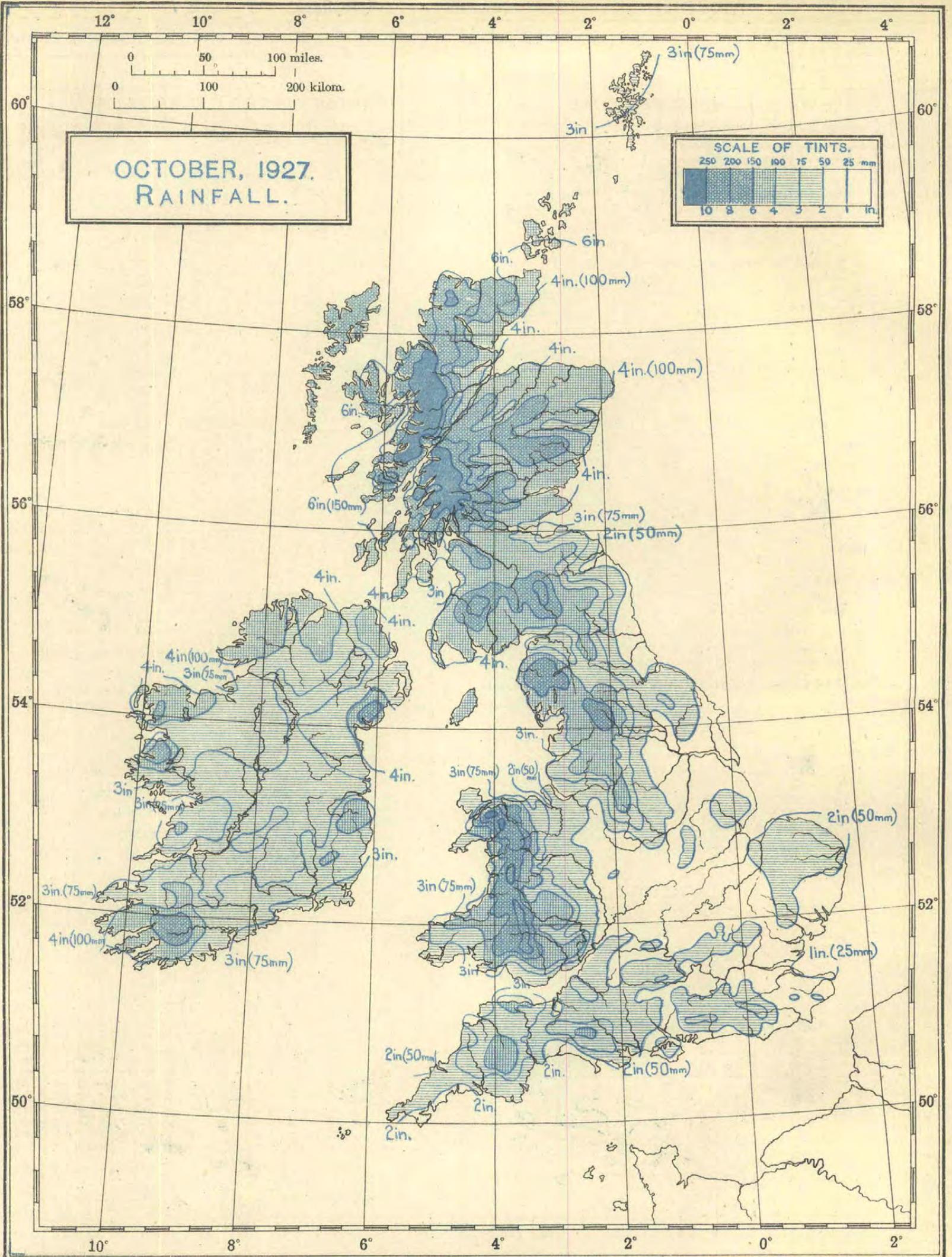
** District values of mean temperature in the *Monthly Weather Reports* from 1917 to 1922 are not comparable with those for other years. Corrected values are printed in the Preface for 1922.



Positions of centres are shown thus: \circ at 1h; \odot at 7h; \square at 13h; \times at 18h.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

PS. 312/1535. W. 1924. D. 26. 1125. 11/27.

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

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.						
	Max.	Min.	Rain		Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.					
					A	B			Maximum.	Date.	Minimum.					Date.	Amount.										Date.	0.2 mm. or more.	1 mm. or more.	Daily Mean.	Deviation from Normal.	Per Cent.
	°F.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.	27th	27th	27th	27th	27th	27th	27th	27th	27th	27th	27th	hr.	hr.	%	
0. SCOTLAND, N.																																
Shetlands.	Baltasound	9 9 9	31	48.5	41.5	45.0	—	57	8th	34	18,19,22	46.1	—	4.03	102	—	12	27th	27	19	3	0	5	2	7	—	0	1.29	—	13		
	Lerwick	18-7 7	54	48.6	43.4	46.0	-0.2	55	8, 9, 27	34	22nd	—	—	3.56	100	-10	17	27th	20	18	0	0	2	0	0	—	0	1.15	—	11		
Orkneys.	Deerness	2121 9 9	160	50.2	42.7	46.5	-0.4	58	10th	33	19th	—	—	6.16	156	+60	30	23rd	24	16	3	0	0	2	1	—	0	2.19	-0.26	21		
	Kirkwall	9 9 9	151	50.6	43.4	47.0	—	61	8th	34	20, 22	—	—	5.89	150	—	21	26th	21	18	0	0	1	0	1	3	0	2.53	—	25		
Hebrides.	Stornoway	18-7 7	30	52.3	41.5	46.9	+0.2	60	7, 8	26	21st	—	—	7.37	187	+55	35	23rd	21	19	0	0	0	1	1	—	0	2.92	+0.15	28		
Calthness.	Wick	18-7 7	81	51.2	42.5	46.9	+0.3	63	6th	30	22nd	—	—	4.00	102	+27	15	2nd	21	18	2	0	0	0	1	—	0	—	—	—		
Ross & Cromarty.	Achnashellach	9 9 9	225	52.7	41.8	47.3	+1.6	68	8th	27	21st	—	—	9.68	246	+35	35	25th	20	17	1	0	1	1	0	9	0	—	—	—		
	Fortrose	9 9 9	69	53.8	42.8	48.3	—	65	30th	33	21st	—	—	3.91	99	—	18	1st	20	16	0	0	0	0	0	—	0	3.05	—	30		
Inverness.	Strathpeffer	9 9 9	125	53.3	40.4	46.9	+0.7	62	7th	30	21, 22	—	—	5.15	131	+66	28	22nd	21	17	1	0	0	0	—	—	—	—	—			
	Ft. Augustus	9 9 9	68	52.8	40.5	46.7	0.0	63	7th	24	21st	—	—	5.68	144	+44	21	26th	19	15	1	0	1	0	0	—	1	2.34	+0.21	23		
	Inverness	9 9 9	242	52.8	42.4	47.6	—	62	6, 7	30	21st	—	—	4.31	109	+49	20	2nd	17	13	1	0	0	0	0	4	0	2.90	—	28		
1. SCOTLAND, E.																																
Nairn.	Nairn	18-7 7	82	51.4	42.1	46.7	+0.6	61	6th	28	21st	—	—	3.93	100	+40	29	2nd	21	14	2	0	1	0	0	—	0	2.99	—	29		
Elgin.	Gordon Castle	2121 9 9	104	54.4	40.8	47.6	+0.5	64	6, 7, 9	29	22nd	—	—	4.32	110	+30	29	2nd	21	16	0	0	0	0	—	0	0	3.28	—	32		
Banff.	Banff	9 9 9	130	53.0	43.5	48.3	—	65	8th	32	5, 22	—	—	4.08	104	—	21	2nd	19	15	0	0	1	0	0	4	0	3.21	—	31		
Aberdeen.	Aberdeen	2424 24	46	53.1	43.3	48.2	—	65	6th	31	21st	—	—	49.8	85	+9	28	2nd	17	12	0	0	0	0	0	4	0	3.21	+0.15	31		
	Balmoral	9 9 9	927	52.5	37.0	44.7	—	68	8th	19	21st	—	—	4.53	115	+24	32	22nd	18	16	1	0	0	0	—	8	1	—	—	—		
	Braemar	2121 9 9	1120	52.1	36.5	44.3	+0.8	65	7, 8	16	21st	—	—	5.59	142	+46	38	2nd	16	16	1	0	0	0	8	9	0	—	—	—		
	Craibstone	9 9 9	300	53.3	41.6	47.5	—	65	6th	30	22nd	47.4	49.2	4.43	113	—	29	22nd	16	13	0	0	0	—	4	0	3.47	—	34			
	Logie Coldstone	9 9 9	608	53.3	37.2	45.3	—	65	6, 8	21	21st	—	—	3.90	99	+17	26	2nd	18	15	0	0	0	8	15	0	—	—	—			
Kincardine	Stonehaven	9 9 9	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Forfar.	Arbroath	2121 9 9	93	54.3	42.5	48.4	—	67	6th	25	21st	—	—	4.66	118	—	38	21st	14	11	0	0	0	0	1	6	1	3.30	—	32		
	Carnoustie	9 9 9	39	54.7	41.3	48.0	—	67	6th	28	21, 22	—	—	4.87	124	—	30	22nd	17	14	0	0	0	—	—	—	0	3.15	—	30		
	Dundee (E. Nec.)	2121 9 9	198	53.8	42.4	48.1	+1.4	65	6th	26	21st	—	—	5.26	134	+66	33	22nd	17	14	0	0	0	—	—	—	1	—	—	—		
	Mayfield	9 9 9	147	54.6	42.4	48.5	—	65	6th	29	21st	47.1	—	5.31	135	—	35	22nd	18	13	0	0	0	—	6	0	3.36	—	32			
	Kettins	9 9 9	218	55.1	40.8	47.9	—	64	6th	23	21st	47.8	—	4.57	116	—	30	22nd	17	12	0	0	0	—	7	0	—	—	—			
	Montrose	9 9 9	16	54.7	44.0	49.3	—	68	6th	29	21st	—	—	4.95	126	—	33	22nd	17	11	0	0	0	—	—	2	2.90	—	28			
Perth.	Crieff	2121 9 9	478	54.5	40.9	47.7	+0.8	70	7th	26	21st	—	—	6.12	155	+55	27	28th	19	12	0	0	0	—	—	1	—	—	—			
	Perth	9 9 9	76	56.4	41.1	48.7	+2.3	70	7th	22	21st	—	—	4.84	123	+48	31	22nd	16	10	0	0	0	—	—	3	3.43	—	33			
Fife.	Cupar	9 9 9	210	54.8	41.4	48.1	—	69	7th	25	21st	—	—	4.46	113	—	24	2nd	14	13	0	0	0	—	—	0	—	—	—			
	Inchkeith	18-7 7	190	54.4	45.8	50.1	—	63	7th	36	21st	—	—	2.58	65	—	17	21st	14	12	0	0	0	1	1	2	3.05	—	29			
	Kirkcaldy	9 9 9	66	55.7	43.5	49.6	—	65	6, 7	28	21st	—	—	4.09	104	—	35	21st	16	13	0	0	0	—	—	1	—	—	—			
	Leuchars	18-7 7	40	54.9	42.3	48.6	—	66	6th	27	21st	—	—	4.57	116	—	33	2nd	15	11	0	0	0	2	4	1	3.24	—	31			
	St. Andrews	9 9 9	20	55.3	42.4	48.9	—	67	6th	25	21st	48.0	50.0	4.58	116	—	27	21st	17	13	0	0	0	1	4	0	3.03	—	29			
Linlithgow.	Bangour	2121 9 9	587	53.6	41.5	47.5	—	64	7th	24	21st	—	—	3.69	94	—	19	21, 25	19	11	0	0	0	3	—	2	—	—	—			
Edinburgh.	Blackford Hill	2121 9 9	441	54.3	43.9	49.1	+1.7	63	6, 7	34	20, 21	—	—	3.13	79	+13	23	21st	15	14	0	0	0	—	3	3	3.33	+0.14	32			
	Boghall	9 9 9	645	54.1	42.9	48.5	—	66	7th	29	21st	47.3	49.2	3.87	98	—	19	25th	16	15	0	0	0	—	14	0	3.12	—	30			
	Edin. Univ.	9 9 9	227	55.6	44.9	50.3	—	65	6, 7	34	21st	48.3	51.0	2.97	75	+6	24	21st	15	12	0	0	0	—	—	1	—	—	—			
	Liberton	9 9 9	190	55.7	—	—	—	65	7th	—	—	—	—	2.72	69	—	19	21st	14	11	0	0	0	—	—	—	—	—	—			
Haddington	N. Berwick	9 9 9	152	55.5	43.0	49.3	—	64	6th	28	21st	—	—	2.83	72	—	20	21st	15	13	0	0	0	0	5	2	2.65	—	26			
	Smeaton	9 9 9	100	56.0	39.8	47.9	—	64	6th	26	21st	48.3	—	2.46	63	-7	15	25th	14	14	0	0	0	1	9	3	—	—	—			
Berwick.	Marchmont	9 9 9	498	54.5	41.2	47.9	+1.7	65	6, 7	29	21st	—	—	2.71	69	-28	18	21st	20	13	0	0	0	—	—	3	2.14	-0.54	21			
Peebles.	West Linton	9 9 9	770	54.0	37.7	45.9	+1.8	64	7th	19	21st	—	—	4.89	124	—	32	25th	21	13	0	0	0	—	9	4	—	—	—			
Roxburgh.	Kelso (Br'ml'ds)	9 9 9	195	56.0	40.9	48.5	—	67	7th	26	21st	—	—	1.77	45	-29	15	21st	17	11	0	0	0	2	—	2	—	—	—			
	Wolfelee	9 9 9	537	53.9	39.5	46.7	—	64	7th	23	21st	—	—	4.15	105	+7	21	28th	22	16	0	0	0	1	—	3	—	—	—			
2a. SCOTLAND, W.																																

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, OCTOBER, 1927.

Table with columns: DISTRICT, COUNTY AND PLACE; Terminal Hours of Observation; Height of Station above Mean Sea Level; AIR TEMPERATURE IN DEGREES FAHRENHEIT (Means of A and B, Absolute Maximum and Minimum); Earth Temperature (1 ft, 4 ft); RAINFALL (Total Fall, Deviation from Normal, Most in a day); WEATHER (Number of days, Snow lying, Fog, Thunderstorm, Ground Frost, Gale); BRIGHT SUNSHINE (Hours per day, Deviation from Normal, Per Cent).

† At Scarborough the earth thermometer is at a depth of 3ft. † Botanic Gardens, published in this Report from July, 1899. †† University Farm station. ** At Meltham the earth thermometers are at depths of 1 ft. and 2 ft. †† On and from April 10th, to October 2nd observations were taken one hour earlier than the times shown. See paragraph headed "Sunshine" in Notes on Tables on last page of this issue.

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER Number of days.							BRIGHT SUNSHINE.										
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n	Snow (ing.)	Snow (fall.)	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.		Per Cent.								
					A	B		Maximum.	Date.	Minimum.					Date.	Amount.								Date.	0-2 mm. or more.		1 mm. or more.	Daily Mean.	Deviation from Normal.					
	°F.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.									hr.	hr.	%								
4. MID. COUNTIES—cont.																																		
Warwick.	Birmingham	18-7	7	535	56.9	46.1	51.5	+2.9	65	6th	37	21st	50.0	51.5	1.77	45	-26	22	22nd	18	10	0	0	0	0	0	0	0	5	4	2	2:37	+0.14	22
	B'ham, Sparkhill	713	7	424	58.2	44.0	51.1	—	66	7th	32	4, 21, 24	—	—	2.03	51	—	24	22nd	19	10	0	0	0	0	0	0	0	6	8	2	—	—	—
	Coventry	9	9	270	58.2	44.5	51.3	+2.2	67	6, 7	32	24th	50.8	53.6	1.77	45	-26	20	22nd	21	8	0	0	0	0	0	0	2	3	0	2:53	-0.24	24.5	
	Leamington Spa	9	9	165	58.1	44.4	51.3	—	65	7th	30	24th	52.2	55.8	1.31	33	—	15	22nd	12	8	0	0	0	0	0	5	5	1	2:41	—	23		
	Rugby	2121	9	390	58.3	41.3	49.8	—	67	7th	29	24th	—	—	1.53	39	—	17	22nd	12	7	—	—	—	—	—	—	—	—	—	—	—		
Oxford.	Leafeld	18-7	7	612	55.8	44.0	49.9	—	62	6, 7	36	24th	—	—	1.81	46	—	12	22nd	18	12	0	0	0	0	0	5	7	0	3:23	—	31		
	Oxford	9	9	208	59.0	44.3	51.7	+2.3	67	7th	33	5, 24	52.3	54.6	1.88	48	-25	15	30th	17	11	0	0	0	0	1	6	3	2	3:11	-0.08	29		
	Oxford (Sandford)	9	9	210	58.9	44.0	53.5	—	66	2nd	31	24th	—	—	1.79	45	—	15	30th	14	10	0	0	0	0	1	9	9	2	2:93	—	27		
Bucks.	Mursley	9	9	490	56.8	43.3	50.1	—	63	2, 7, 25, 28	33	24th	50.5	51.8	1.55	39	—	10	30th	20	9	0	0	0	0	0	—	7	2	2:92	—	28		
	Mayfield	9	9	374	56.7	41.5	49.1	—	68	7th	28	24th	—	—	2.68	68	—	24	22nd	19	12	0	0	0	0	0	1	5	1	2:70	—	25.5		
Shropshire.	Roden, Well'n	9	9	207	57.7	40.9	49.3	—	64	2, 5	27	24th	—	—	1.97	50	—	18	22nd	16	11	0	0	0	0	—	—	—	—	—	—	—		
	Wellington	9	9	259	58.5	43.1	50.8	—	66	6th	31	4th	—	—	2.41	61	—	25	22nd	11	9	0	0	0	0	—	8	1	2:97	—	28			
	Wistanstow	2121	9	481	57.3	40.9	49.1	+1.1	65	6, 7	30	4, 5	—	—	2.12	54	-27	19	22nd	14	11	0	0	0	0	—	5	1	—	—	—			
Worcester.	Malvern	9	9	377	57.3	45.8	51.5	—	65	6th	36	21st	51.1	53.3	2.09	53	-23	21	22nd	16	13	0	0	0	0	2	0	2	3:06	—	29			
	Tenbury	9	9	313	58.0	42.7	50.3	+1.8	67	6, 7	30	4th	50.9	—	2.03	52	-17	19	22nd	13	9	0	0	0	0	—	8	—	—	—	—			
	Worcester (Perdiswell)	9	9	95	58.6	42.4	50.5	—	66	6th	31	24th	—	—	1.48	38	—	17	22nd	13	7	1	0	0	0	6	8	1	2:70	—	25			
Hereford.	Bromyard	9	9	392	57.7	41.5	49.6	—	66	6th	30	4th	50.9	53.4	2.21	56	—	21	22nd	13	10	0	0	0	0	6	3	1	—	—	—			
	Hereford	9	9	291	57.7	42.5	50.1	+1.5	64	6, 25	31	4th	—	—	2.20	56	-22	25	22nd	12	10	0	0	0	0	5	16	2	—	—	—			
	Ross-on-Wye	18-7	7	223	57.6	45.1	51.3	+2.2	66	6th	33	4, 24	51.7	53.8	2.54	65	-18	25	22nd	14	11	0	0	0	0	8	2	2	2:50	—	23			
Gloucester.	Cheltenham	2121	9	214	58.3	44.8	51.5	+2.5	65	6th	37	4, 5, 20, 24	52.4	55.2	1.28	33	-37	12	22nd	14	7	0	0	0	0	1	1	1	3:04	—	29			
	Clifton	9	9	225	57.9	46.0	51.9	+1.6	64	6th	39	4th	—	—	2.57	65	-31	16	22nd	15	11	0	0	0	0	8	0	0	3:14	+0.08	29			
	Over Court	9	9	147	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
5. ENGLAND, S.E.																																		
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Camden Square	9	9	110	58.5	45.8	52.1	+1.4	66	30th	36	5th	50.7	53.4	1.29	33	-34	9	27th	14	7	0	0	0	0	—	—	—	—	—	—	—		
	East Ham	9	9	15	59.0	45.7	52.3	—	66	30th	35	4, 5	—	—	1.05	27	—	7	27th	11	7	—	—	—	—	—	—	—	—	—	—	—		
	Enfield	9	9	148	58.7	44.2	51.5	—	65	2nd	32	4th	—	—	53.8	1.78	45	-24	11	22nd	14	6	0	0	0	0	4	1	2	3:06	—	29		
	Greenwich	2424	9	149	59.3	43.8	51.5	+1.3	67	30th	34	4, 24	52.1	53.3	1.25	32	-32	9	27th	15	7	0	0	0	0	7	11	1	2:14	-0.98	20			
	Hampst'd Res.	9	9	450	56.7	42.6	49.7	—	65	6th	34	24th	—	—	1.79	45	—	11	22nd	18	10	0	0	0	0	—	10	—	2:95	—	28			
	Kensington	18-9	9	80	58.5	46.6	52.5	—	67	30th	36	24th	51.4	54.3	1.48	37	—	8	27th	16	8	0	0	0	0	7	4	0	—	—	—			
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Richmond (Kew Obs.)	2424	24	18	57.4	44.6	51.0	+1.1	64	30th	34	24th	51.6	54.3	1.27	32	-37	13	22nd	11	7	0	0	0	0	10	3	0	2:26	-0.71	21			
	Stroud Green	18-7	7	212	58.5	45.8	52.1	—	65	30th	36	4, 5, 24	—	—	1.31	33	—	9	22nd	12	6	0	0	0	0	8	5	1	—	—	—			
	Tottenham	2121	9	51	59.1	46.4	52.7	—	66	6, 7, 30	35	5th	—	—	56.0	1.36	35	—	9	27th	9	7	0	0	0	—	—	—	—	—	—	—		
	Westminster	9	9	27	59.3	46.8	53.1	+1.9	67	30th	37	24th	—	—	1.17	30	-31	8	27th	10	7	—	—	—	—	—	—	—	—	—	—	—		
Surrey.	Addington	9	9	472	56.2	44.9	50.5	—	62	6th	36	24th	—	—	1.46	37	—	10	27th	14	8	—	—	—	—	—	—	—	—	—	—	—		
	Croydon Aero.	18-7	7	244	58.4	44.9	51.7	—	56	30th	34	5th	—	—	1.32	34	—	11	22nd	13	6	0	0	0	0	6	8	0	2:84	—	27			
	Wisley	9	9	150	58.3	44.0	51.1	+1.9	67	30th	32	24th	52.0	53.8	1.34	34	-46	10	22nd	16	6	0	0	0	0	8	11	1	2:52	-0.71	24			
Kent.	Biggin Hill	18-7	7	597	56.1	45.0	50.5	—	64	30th	37	24th	—	—	2.13	54	—	14	22nd	20	8	0	0	0	0	6	4	2	3:35	—	31			
	Bromley	9	9	213	58.3	44.2	51.3	—	66	30th	34	4, 5, 24	—	—	1.13	29	—	8	22, 27	10	7	—	—	—	—	—	—	—	—	—	—			
	Canterbury	9	9	124	58.9	44.5	51.7	—	64	2, 7	30	4th	53.7	55.0	1.40	36	—	13	22nd	10	7	—	—	—	—	—	—	—	—	—	—			
	Deal	9	9	25	59.2	46.6	52.9	—	65	2, 7	35	4th	52.7	54.6	1.36	35	—	20	22nd	9	6	0	0	0	0	2	0	1	3:52	—	33			
	Dover	9	9	22	58.5	47.6	53.1	—	63	10, 30	36	4th	53.3	56.5	1.41	36	—	17	22nd	10	7	0	0	0	0	1	0	2	3:87	—	36			
	Dungeness	18-7	7	20	58.4	47.0	52.7	+1.0	63	8th	34	4th	—	—	1.03	26	-63	15	22nd	12	4	0	0	0	0	3	—	5	—	—				

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE and of WEATHER OBSERVATIONS, OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.					
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Snow falling.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Calc.	Hours per day.						
					A	B		Mean of A and B.	Maximum.	Date.					Minimum.	Date.	Amount.	Date.							0.2 mm. or more.	1 mm. or more.	Daily Mean.	Deviation from Normal.	Per Cent.		
5. ENGLAND, S.E.—cont.																															
Hampshire	Calshot	18-7	7	8	58.6	47.7	53.1	—	63	7, 31	39	6, 24	50.9	—	1.67	42	—	19	27th	11	7	0	0	0	0	5	1	1	4.10	—	38
—(cont.)	Grayshott	9 9 9	661	56.5	44.5	50.5	+0.5	62	6, 10, 30	35	24th	50.9	—	2.66	67	-39	20	27th	13	13	0	0	0	0	5	6	4	3.87	+0.26	36	
	Long Sutton	9 9 9	479	57.1	43.7	50.4	—	63	4th	34	5th	51.7	—	1.83	47	—	14	27th	14	10	0	0	0	0	6	4	3	3.27	—	31	
	Petersfield (Stoner Hill)	9 9 9	748	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Portsmouth	9 9 9	15	59.5	47.9	53.7	+1.7	65	8th	37	24th	53.3	56.0	1.63	41	-53	13	27th	11	7	0	0	0	0	0	3	3	3.95	—	37	
	Southamp'n	2121	9	64	59.0	46.0	52.5	+1.0	65	8th	35	6, 24	—	—	2.02	51	-49	16	24th	12	9	0	0	0	0	4	0	1	3.74	+0.26	35
	S. Farnboro'	18-7	7	230	58.4	43.2	50.8	—	65	6th	29	4th	—	—	1.34	34	—	9	27th	14	8	0	0	0	0	10	2	0	3.05	—	29
	Winchester (Worthy Down)	18-7	7	272	57.9	43.7	50.8	—	63	10, 28	30	24th	—	—	1.95	50	—	14	27th	14	8	0	0	0	0	6	6	0	3.50	—	32
I. of Wight	Newport	9 9 9	48	60.1	44.1	52.1	—	66	7th	33	5, 24	—	—	2.65	67	—	28	27th	13	8	0	0	0	0	5	1	2	—	—	—	
	Ryde	9 9 9	13	58.6	48.3	53.5	—	63	8, 28	37	24th	—	—	2.06	52	—	18	27th	13	7	0	0	0	0	0	—	2	0	3.62	—	34
	Sandown	9 9 9	13	59.1	46.2	52.7	—	65	7th	33	24th	—	—	2.10	53	—	18	27th	22	6	0	0	0	0	0	—	0	0	3.85	—	36
	Totland Bay	9 9 9	140	58.9	47.4	53.1	+1.3	65	7th	39	6, 24	—	—	1.67	42	-62	17	27th	11	6	0	0	0	0	3	0	4	4.01	+0.17	37	
	Ventnor (Hospital)	9 9 9	59	59.7	50.2	54.9	+1.6	66	7th	43	24th	—	—	1.98	50	-50	19	27th	12	7	—	—	—	—	—	—	—	4.23	+0.52	40	
	(Public Pk.)	9 9 9	196	58.4	49.3	53.9	—	65	7th	43	14, 24	54.3	56.0	1.74	44	—	17	27th	10	7	0	0	0	0	0	0	1	1	4.08	—	38
Wilts.	Larkhill	9 9 9	440	57.7	43.3	50.5	—	63	2, 6, 10	33	24th	—	—	2.02	51	—	23	30th	14	7	0	0	0	0	0	2	8	1	—	—	—
	Marlboro'	9 9 9	424	57.8	41.7	49.7	+1.8	65	6th	30	4, 24	52.0	53.9	2.53	64	-25	19	30th	15	11	0	0	0	0	0	1	5	3	2.64	-0.33	25
	Porton	9 9 9	363	58.1	41.4	49.7	—	63	7th	29	5th	51.5	—	1.82	46	—	12	30th	12	8	0	0	0	0	0	3	7	0	3.51	—	33
7a. ENGLAND, N.W.																															
Cumberland	Aspatria (Mealsgate)	2121	9	487	54.7	43.9	49.3	+1.7	64	7, 8	35	20th	50.3	51.5	3.83	97	-14	18	28th	18	14	0	0	0	0	—	2	0	3.26	0.00	31
	Keswick	9 9 9	254	57.1	43.2	50.1	—	65	7th	31	11th	50.8	53.3	7.55	192	—	46	28th	17	16	0	0	1	0	1	9	2	2.94	—	28	
	Newton Rigg	2121	9	559	56.1	41.1	48.6	+1.9	66	2, 10	31	5, 11, 12, 21	—	—	3.48	88	-6	19	28th	21	15	0	0	0	0	1	7	0	3.60	+0.83	34
Lancashire	Blackpool	9 9 9	66	57.3	46.3	51.8	+2.6	63	2nd	37	5th	52.4	53.5	3.26	83	-12	15	26th	16	14	0	0	0	0	5	6	3	3.57	+0.38	34	
	Blundellsands	9 9 9	34	57.5	46.7	52.1	—	64	2, 25	39	21, 24	50.4	52.2	2.94	75	—	14	26th	18	13	0	0	0	0	—	0	2	—	—	—	
	Bolton	9 9 9	341	57.3	47.8	52.5	—	66	7th	35	20th	50.2	51.9	4.29	109	—	18	26th	17	16	0	0	0	0	—	1	2	2.43	—	23	
	Burnley	9 9 9	458	55.6	42.4	49.0	—	64	7th	31	5, 24	49.6	51.9	4.20	107	—	16	26th	18	17	0	0	0	0	4	9	2	2.15	—	20.8	
	Darwen	2121	9	724	55.0	42.9	48.9	—	63	7th	36	21st	49.6	51.2	5.06	128	—	23	26th	18	16	0	0	1	0	5	5	2	2.81	—	27.8
	Hutton	9 9 9	82	57.8	43.9	50.9	—	65	2nd	31	24th	50.9	52.9	3.04	77	—	17	26th	18	14	0	0	0	0	—	3	3	2.69	—	26	
	Lancaster	9 9 9	311	57.0	45.2	51.1	—	63	10th	38	11, 12, 20	48.9	50.5	4.23	107	—	28	26th	18	14	0	0	0	0	3	1	0	3.54	—	34	
	Leyland	9 9 9	124	57.7	44.2	50.9	—	65	2nd	34	24th	—	—	3.31	84	—	22	26th	18	15	0	0	0	0	6	1	3	3.09	—	29	
	Manchester (Whitworth Pk.)	2121	9	125	—	44.9	—	—	—	35	21, 24	—	—	2.46	62	-22	11	18th	18	12	0	0	0	0	9	—	2	2.24	+0.18	21	
	(Oldham Road)	2121	9	190	56.8	45.6	51.2	+0.7	64	2nd	36	24th	50.1	53.8	2.77	70	-19	15	26th	18	15	0	0	0	0	1	1	1	1.71	-0.45	16.8
	(Swinton)	9 9 9	253	57.9	44.0	50.9	—	65	2nd	36	24th	—	—	52.0	3.18	81	—	17	26th	17	15	0	0	0	0	7	5	2	2.32	—	22
	Morecambe	9 9 9	24	57.1	45.3	51.2	—	62	10th	35	11th	—	—	3.19	81	—	19	26th	17	13	0	0	0	0	1	—	2	3.55	—	34	
	Southport	9 9 9	37	57.3	45.9	51.6	+2.4	64	2nd	36	24th	50.9	53.5	3.05	77	-13	15	26th	17	14	0	0	0	0	2	5	3	3.46	+0.40	33	
	Stonyhurst	9 9 9	377	55.2	43.9	49.5	+1.7	62	2nd	33	5th	—	—	4.25	108	-6	21	26th	18	18	0	0	0	0	2	0	2	2.62	-0.09	25	
Cheshire	Hoylake	9 9 9	30	58.6	46.5	52.5	+2.2	67	1st	37	4, 24	—	—	2.00	51	-34	12	1st	17	14	—	—	—	—	—	—	—	4.13	+1.16	39	
	Liverpool (Bidston)	18-7	7	189	55.7	47.8	51.7	+2.2	64	2nd	39	4th	—	—	2.35	60	-23	16	1st	18	14	0	0	0	0	5	0	1	3.72	—	35
	Macclesfield	9 9 9	500	56.1	43.4	49.7	+2.1	62	2, 25, 27	33	24th	—	—	2.26	57	-29	12	1st	17	15	0	0	1	0	1	—	2	—	—	—	
	Wallasey	9 9 9	35	58.2	47.4	52.8	—	67	2nd	41	4, 21, 24	—	—	2.83	72	—	17	1st	19	16	0	0	0	0	11	—	2	3.08	—	29	
	West Kirby	9 9 9	25	58.4	46.5	52.5	—	66	2nd	38	24th	—	—	2.10	53	—	15	1st	17	14	0	0	1	1	0	0	5	4.23	—	40	
7b. NORTH WALES.																															
Flint	Hawarden B'ge	9 9 9	22	58.5	45.3	51.9	+1.9	68	2nd	35	4, 24	—	—	1.61	41	—	7	21st	18	11	—	—	—	—	—	—	—	—	—	—	
	Rhyl	9 9 9	30	58.6	45.9	52.3	+2.3	64	2, 25	37	21st	—	—	2.04	52	-30	10	26th	16	13	0	0	0	0	1	1	2	3.93	+0.54	37	
	Sealand	18-7	7	16	57.8	45.1	51.5	—	67	2nd	33	24th	51.4	52.8	2.34	59	—	17	22nd	19	12	0	0	0	0	8	2	3	3.39	—	32
Anglesey	Holyhead	18-7	7	26	57.5	50.0	53.7	+2.7	64	8th	42	4th	—	—	2.96	75	-26	18	1st	13	10	0	0	0	0	0	4	3.20	—	30	
Denbigh	Colwyn Bay	9 9 9	81	58.6	47.3	52.9	—	67	2nd	39	4, 24	—	—	3.07	78	—	14	26th	18	15	0	0	0	0	1	—	2</				

TABLE IV. — SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Month of OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
0. SCOTLAND, N.																																					
Shetlands. Lerwick ...	1	59	1009.2	—	46.0	1.4	9.4	89	8.0	0	3	4	9	15	0	0	0	1	0	0	1	14	15	0	0	4	21	6	4	1	3	2	3	5	4	3	
	7	59	1008.8	-0.1	45.4	1.2	9.2	91	8.0	0	3	3	13	12	0	0	0	0	0	0	3	5	23	0	0	3	23	5	3	1	3	2	2	2	2	2	2
	13	59	1009.4	—	47.1	2.1	9.2	84	8.7	0	0	1	19	11	0	0	0	0	0	0	3	5	23	0	0	4	24	3	6	1	2	2	0	5	3	4	5
	18	59	1009.7	—	46.0	1.7	9.1	87	9.0	0	0	3	10	18	0	0	0	0	0	0	2	11	18	0	0	4	23	3	6	1	2	2	5	1	3	3	
Orkneys. Deerness ...	9	165	1010.7	—	47.0	1.9	9.4	85	8.1	0	3	3	13	12	0	0	0	1	0	2	2	1	18	7	0	15	14	2	6	2	3	0	4	6	5	3	
	21	165	1011.5	—	45.9	1.5	9.3	88	7.1	1	6	5	6	13	0	0	0	2	0	0	3	0	19	7	0	13	13	5	3	1	3	2	4	2	5	6	
Hebrides. Stornoway ...	7	41	1010.9	+1.6	44.7	0.9	9.5	93	7.6	2	3	3	13	10	0	1	0	0	1	1	9	19	0	0	0	0	6	12	10	3	1	1	0	1	2	4	
	13	41	1011.1	—	51.3	2.4	10.6	84	7.4	1	3	6	10	11	0	0	0	0	1	7	15	8	0	0	0	0	9	23	2	4	1	2	1	5	6	5	
	18	41	1011.9	—	47.4	1.2	9.9	90	8.3	0	1	4	13	13	0	0	0	1	0	3	7	16	4	0	0	0	9	15	7	1	0	2	1	4	4	5	
	21	41	1012.1	—	45.7	1.1	9.6	91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	7	17	7	1	0	3	1	3	3	6	
Caithness. Wick ...	1	97	1011.0	—	46.1	0.8	9.9	94	7.3	0	6	4	12	9	0	0	0	0	0	0	2	29	0	0	0	3	28	0	1	2	1	1	5	11	5	5	
	7	97	1010.8	+1.3	45.6	0.8	9.9	94	7.8	0	0	7	15	9	0	1	0	0	0	1	4	25	0	0	1	30	0	1	3	1	0	3	8	7	8		
	13	97	1011.9	—	50.0	1.8	10.7	87	8.1	0	0	4	19	8	0	0	0	0	0	0	3	28	0	0	1	30	0	0	3	2	1	5	6	5	9		
Inverness. Inverness ...	9	250	1012.1	—	47.4	2.0	9.3	85	5.6	2	5	13	5	6	0	0	0	0	0	3	3	4	21	0	7	17	7	1	3	0	0	3	12	5	0		
	17	250	1012.0	—	48.3	2.1	9.6	84	5.4	1	7	14	5	4	0	0	0	0	2	3	1	8	17	0	6	19	6	1	3	0	2	2	12	4	1		
1. SCOTLAND, E.																																					
Nairn. Nairn ...	7	82	1011.4	+1.5	44.4	1.5	8.6	87	6.2	0	2	16	12	1	0	0	0	0	0	3	6	22	0	0	2	11	18	0	1	2	0	0	0	9	1		
	13	82	1011.4	—	50.7	2.4	10.6	83	6.8	0	1	12	16	2	0	0	0	1	0	0	10	20	0	0	2	21	8	0	2	6	0	0	1	9	5		
	18	82	1011.8	—	47.6	1.7	9.9	87	7.2	0	2	6	21	2	0	0	1	0	0	2	11	17	0	0	2	15	14	1	0	3	0	0	1	9	3		
Aberdeen. Aberdeen H	7	88	1011.9	+1.1	46.0	1.5	9.3	88	6.3	0	8	2	17	4	0	0	0	1	1	10	10	9	0	0	4	24	3	1	1	1	0	7	5	13	0		
	13	88	1012.3	+1.3	51.3	3.0	10.2	79	6.8	0	9	1	12	9	0	0	0	0	2	8	8	13	0	0	9	20	2	2	1	2	0	8	5	7	4		
	18	88	1012.6	+1.4	48.7	2.2	9.8	83	6.6	0	10	1	12	8	0	0	0	3	3	9	13	3	0	0	5	18	8	1	0	1	3	5	5	5	3		
	21	88	1012.9	+1.6	47.5	1.9	9.6	85	5.8	4	9	1	7	10	0	0	0	1	4	15	9	2	0	0	7	19	5	1	0	1	0	8	4	11	1		
Aberdeen. Braemar ...	9	1114	1012.4	—	44.8	2.2	8.3	83	—	—	—	—	—	—	0	1	5	2	7	3	13	0	0	0	3	28	0	1	0	2	0	0	8	12	8		
	9	1114	971.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Perth. Crieff ...	9	482	1013.0	—	47.8	2.4	9.4	82	6.6	5	4	3	5	14	—	—	—	—	—	—	—	—	—	—	0	8	23	0	3	0	8	0	2	16	2		
	21	482	1013.4	—	46.8	2.0	9.3	85	6.5	6	4	2	5	14	—	—	—	—	—	—	—	—	—	—	0	6	25	0	2	0	8	1	0	2	15	3	
Fife. Inchkeith ...	7	184	1012.1	—	48.6	1.6	10.4	88	6.4	3	4	7	7	10	0	0	0	1	0	1	3	7	14	5	0	10	21	0	0	1	1	5	4	7	10	3	
	13	184	1012.1	—	47.8	1.4	10.2	89	7.5	1	2	6	12	10	0	1	0	0	2	1	4	8	14	1	2	5	24	0	1	1	4	2	0	10	12	1	
	18	184	1012.0	—	52.5	2.9	11.0	80	6.7	2	5	6	10	8	0	0	0	0	0	5	7	19	0	0	1	18	2	0	2	6	1	0	12	8	0		
Fife. Leuchars H	7	36	1012.5	—	45.5	1.3	9.5	90	7.4	1	6	1	9	14	0	0	1	1	1	0	4	8	16	0	1	6	19	5	0	1	2	1	0	10	8	4	
	13	36	1012.6	—	53.3	3.6	10.6	76	7.3	0	6	6	5	14	0	0	0	0	2	8	8	13	0	0	11	16	4	1	1	6	3	0	5	7	4		
Edinburgh. Blackford Hill	9	441	1014.1	—	49.0	2.3	9.9	83	6.2	7	2	5	2	15	—	—	—	—	—	—	—	—	—	—	3	10	17	1	1	2	2	3	4	17	0		
	21	441	1014.0	—	48.0	2.0	9.7	85	6.0	6	5	2	6	12	—	—	—	—	—	—	—	—	—	—	0	11	16	4	0	1	3	1	3	9	9		
6a. SCOTLAND, W.																																					
Argyll. Tiree ...	7	36	1012.0	—	48.9	1.5	10.5	89	7.4	0	4	8	3	16	0	0	0	1	0	7	4	5	9	5	0	17	14	0	1	3	2	3	8	3	7	4	
	13	36	1012.5	—	52.9	2.4	11.5	83	6.3	3	5	9	2	12	0	0	0	0	0	7	6	9	9	1	24	6	0	2	1	2	6	4	6	5	5		
	18	36	1012.4	—	50.7	2.1	10.8	85	6.6	2	4	7	8	10	0	0	0	2	1	4	5	6	5	8	1	18	12	0	4	1	1	5	7	5	3	5	
Bute. Rothesay ...	9	187	1013.9	—	50.0	1.2	11.2	91	7.8	0	5	4	4	18	0	0	0	2	0	4	6	5	12	2	0	10	21	0	1	11	1	3	0	3	4	8	
	21	187	1013.7	—	49.5	1.4	10.6	89	6.9	0	7	8	0	16	0	0	0	1	0	2	8	3	17	0	0	10	21	0	0	7	0	5	4	1	1	13	
Renfrew. Renfrew ...	7	40	1013.4	—	45.1	0.7	9.6	94	7.8	2	2	2	13	12	1	2	1	2	5	3	6	6	5	0	1	17	6	7	0	1	3	1	1	7	10	1	
	13	40	1013.2	—	53.2	2.9	11.0	81	7.5	1	2	7	11	10	0	0	1	2	1	6	3	9	9	0	1	9	21	0	1	5	2	2	1	5	13	2	
	18	40	1013.5	—	50.1	1.6	10.8	88	6.9	1	6	7	2	15	0	0	0	2	7	5	6	6	4	1	0	9	19	3	0	4	5	1	3	3	9	3	
Dumfries. Eskdalemuir H																																					

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.													
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.								
										0.	1 to 3.	4 to 6.	7 to 9.	10.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	8 or more.	4 to 7.	1 to 3.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2. ENGLAND, N.E.—cont.																																				
Durham. Durham ...	9	352	1014.2	—	49.5	1.9	10.2	86	7.1	2	6	3	5	15	0	0	1	2	5	6	11	4	2	0	2	4	17	8	1	1	1	1	8	3	7	1
	21	352	1015.2	—	47.3	1.4	9.8	89	5.9	9	3	1	3	15	0	0	0	1	0	5	19	5	1	0	0	6	23	2	3	2	3	1	5	3	10	2
York, N. Riding. Scarborough...	9	96	1015.7	—	52.4	3.1	10.4	79	4.7	8	5	5	4	9	0	0	1	0	0	3	16	8	3	0	0	2	29	0	4	2	0	0	5	7	3	10
	9	53	1015.8	—	50.0	2.3	10.3	83	7.4	4	3	0	8	16	—	—	—	—	—	—	—	—	—	—	0	1	26	4	5	0	1	1	6	4	5	5
21	53	1015.4	—	49.6	1.7	10.7	87	5.8	13	0	0	0	18	—	—	—	—	—	—	—	—	—	—	0	1	28	2	7	1	1	2	5	7	1	5	
E. Riding. Spurn Head	1	28	1014.9	—	50.7	1.4	11.5	90	6.1	7	2	5	4	13	0	0	0	0	0	3	12	15	1	0	1	17	12	1	4	3	0	1	6	5	8	3
	7	28	1015.2	+3.2	50.3	1.4	11.0	90	7.7	0	2	5	15	9	0	0	1	0	1	5	13	10	1	0	1	16	14	0	2	3	1	1	6	4	11	3
	13	28	1015.1	—	54.7	3.3	11.6	79	7.1	0	5	7	9	10	0	0	0	0	1	1	14	13	2	0	1	13	17	0	4	3	4	4	3	3	9	1
	18	28	1014.6	—	52.7	2.1	11.8	86	6.8	1	4	10	4	12	0	0	0	0	1	1	11	15	3	0	1	15	15	0	6	1	3	5	4	5	6	1
Lincoln. Cranwell H	1	240	1016.7	—	47.3	0.6	10.9	96	5.3	12	2	0	6	11	0	1	2	1	3	5	16	2	1	0	1	6	19	5	2	2	1	1	1	8	10	1
	7	240	1016.7	—	47.2	0.4	11.0	97	7.5	4	1	4	7	15	0	2	4	2	2	12	2	5	0	0	11	15	5	2	3	1	1	2	7	8	2	
	13	240	1016.5	—	56.1	3.0	12.4	80	7.5	1	4	3	11	12	0	0	1	0	1	0	14	13	2	0	0	13	16	2	4	2	1	4	3	5	6	4
	18	240	1016.2	—	50.7	1.1	11.8	92	7.7	2	1	5	10	13	0	1	0	0	2	3	19	3	3	0	0	9	14	8	1	3	3	1	3	4	6	2
3. ENGLAND, E.																																				
Norfolk. Cromer ...	9	74	1016.5	—	53.1	2.3	11.6	84	6.6	1	6	7	8	9	0	0	0	0	2	2	11	6	9	1	0	6	25	0	8	1	2	2	4	6	6	2
Norfolk. Yarmouth...	1	26	1016.5	—	50.2	1.3	11.1	91	5.7	10	1	3	6	11	0	1	0	0	1	0	10	19	0	0	0	7	24	0	0	2	0	2	5	9	9	4
	7	26	1016.4	+3.7	48.9	1.3	10.7	91	6.6	4	3	5	9	10	0	0	0	1	0	2	23	5	0	0	0	9	22	0	1	2	1	1	6	7	10	3
	13	26	1016.4	—	56.9	3.7	12.2	77	6.7	3	2	10	4	12	0	0	0	0	2	2	17	10	0	0	0	12	17	2	5	2	1	4	3	7	4	3
18	26	1016.1	—	53.6	2.4	12.0	84	6.9	2	3	9	3	14	0	0	0	1	1	3	11	15	0	0	0	12	16	3	3	4	1	1	6	4	5	4	
Suffolk. Felixstowe Aero.	7	20	1017.5	—	49.1	0.6	11.3	96	5.7	4	6	3	15	3	0	0	2	2	3	7	8	7	2	0	0	12	18	1	6	2	1	0	5	7	4	5
	13	20	1017.4	—	56.5	3.2	11.0	82	6.5	3	4	7	8	9	0	0	0	0	2	3	8	13	5	0	0	12	16	3	2	5	0	2	5	6	3	5
	18	20	1017.2	—	53.0	1.4	12.5	92	6.0	4	7	2	9	9	0	0	0	1	7	2	10	8	3	0	0	10	15	6	4	5	0	2	5	5	3	1
Cambridge. Cambridge H	9	43	1017.1	+3.4	51.5	2.2	11.2	84	6.9	7	1	2	5	16	—	—	—	—	—	—	—	—	—	—	0	10	17	4	4	3	1	1	2	8	4	4
21	43	1017.2	+3.6	48.9	1.6	10.7	90	5.6	13	0	0	2	16	—	—	—	—	—	—	—	—	—	—	—	0	4	17	10	5	2	0	0	5	5	4	0
Hertford. Rothamsted	9	396	1017.1	—	51.2	2.2	10.7	85	7.0	4	5	0	7	15	0	1	1	1	1	8	19	0	0	0	0	5	16	10	3	1	2	0	5	4	3	3
Essex. Shoeburyness H	7	14	1017.8	—	48.6	0.4	11.5	97	6.4	5	5	2	9	10	1	2	1	3	1	7	6	5	5	0	0	6	24	1	4	3	1	2	1	9	6	4
	13	14	1017.6	—	57.0	2.8	13.2	83	6.5	4	4	5	9	9	0	0	0	0	2	0	9	10	10	0	0	11	18	2	1	5	3	2	2	8	4	4
	18	14	1017.4	—	52.5	0.9	12.8	94	6.0	4	7	4	7	9	0	0	0	1	2	1	12	10	5	0	0	6	21	4	1	4	2	1	4	5	7	3
4. MIDLAND COUNTIES.																																				
York, W. Riding. Harrogate ...	7	478	1015.8	—	47.1	1.4	9.8	89	8.1	1	3	1	12	14	0	5	0	1	0	6	2	7	10	0	1	6	20	4	4	0	1	2	3	16	1	0
	13	478	1015.1	—	53.0	3.4	10.6	77	7.8	0	5	3	8	15	0	0	1	2	6	1	11	7	2	0	0	8	22	1	2	0	2	4	6	12	4	0
	18	478	1015.4	—	49.2	2.1	10.0	84	6.1	0	12	2	6	11	0	0	0	2	3	9	0	11	6	0	0	0	5	22	4	1	0	3	3	6	11	3
Nottingham. Nottingham	9	215	1016.0	—	49.6	2.0	10.5	86	8.2	0	3	4	7	17	1	4	5	2	4	1	10	3	1	0	0	13	18	0	3	4	3	1	4	2	12	2
Warwick. Birmingham H	7	542	1017.1	—	48.0	1.2	10.6	91	7.1	4	3	1	11	12	2	1	0	2	1	8	4	4	9	0	0	9	20	2	3	2	3	2	6	5	2	6
	13	542	1016.5	—	55.1	4.2	11.0	74	5.9	4	5	6	11	5	0	0	0	0	4	4	11	3	9	0	0	13	18	0	3	1	4	1	4	7	6	5
	18	542	1016.6	—	52.0	2.8	10.8	81	5.7	6	6	3	12	4	0	0	0	4	6	9	4	1	7	0	0	6	23	2	1	2	3	1	4	4	7	7
Oxford. Oxford ...	9	212	1018.0	+3.7	49.8	1.8	10.7	87	7.6	4	2	1	8	16	0	1	4	1	5	0	8	3	9	0	0	10	11	10	2	4	1	1	4	5	3	1
Hereford. Ross-on-Wye H	7	226	1016.9	—	47.2	1.1	10.4	92	8.1	1	4	1	7	18	0	6	2	0	1	3	6	7	5	1	0	8	22	1	3	2	4	1	2	8	7	3
	13	226	1016.3	—	55.7	3.8	11.7	76	7.2	1	5	4	11	10	0	0	0	0	1	5	7	10	6	2	0	7	24	0	3	5	5	2	1	7	6	2
	18	226	1016.4	—	52.3	2.3	11.3	84	6.0	2	9	1	12	7	0	0	1	0	4	5	8	3	9	1	0	4	25	2	3	3	2	0	3	7	8	3
21	226	1017.1	—	49.3	1.6	10.8	89	5.7	5	7	2	7	10	0	1	1	6	4	2	6	5	6	0	0	3	23	5	1	2	2	0	4	6	8	3	
Gloucester. Cheltenham H	9	230	1017.7	—	52.4	2.5	11.4	84	7.3	3	2	6	3	17	0	0	0	1	3	5	13	7	2	0	0	4	24	3	1	2	1	2	1	3	8	10
	21	230	1017.4	—	49.7	1.5	10.8	87	4.4	15	1	2	2	11																						

TABLE IV (continued).—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of OCTOBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.																
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.											
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
5. ENGLAND, S.E.—cont.																																							
Kent.	Biggin Hill H	7	616	1017.5	—	47.7	0.5	11.0	96	7.5	5	2	0	6	18	1	2	1	2	2	5	12	6	0	0	0	0	10	17	4	1	5	1	2	2	12	2	2	
		13	616	1017.1	—	54.8	3.0	11.9	81	7.0	4	3	3	9	12	0	0	0	1	1	5	17	7	0	0	0	0	11	20	0	1	8	1	2	0	11	4	4	1
		18	616	1017.2	—	50.8	1.1	11.7	91	6.3	5	2	6	9	9	0	0	0	1	1	11	16	2	0	0	0	0	9	18	4	2	5	2	1	1	12	3	4	1
Kent.	Dungeness ...	1	21	1018.0	—	50.5	1.0	11.8	93	4.7	10	3	6	4	8	0	0	0	2	2	0	4	6	17	0	1	6	23	1	5	4	2	2	2	6	5	4	4	
		7	21	1018.1	+4.9	49.8	1.1	11.2	91	7.1	4	2	4	9	12	0	2	0	1	1	2	3	14	8	0	0	8	22	1	9	3	2	2	2	6	4	2	2	
		13	21	1017.8	—	57.2	3.2	12.7	80	7.4	2	1	8	7	13	0	0	0	1	0	0	1	18	11	0	1	11	18	1	4	6	3	1	2	9	3	2	2	
		18	21	1017.6	—	55.3	2.3	12.6	85	7.7	0	2	6	13	10	0	1	0	0	0	1	1	16	12	0	2	11	17	1	3	5	4	1	1	9	5	2	2	
Kent.	Lympne H	1	343	1018.1	—	49.3	0.9	11.4	93	4.5	10	4	6	6	5	0	0	0	2	2	2	6	10	9	0	10	21	0	7	3	1	2	5	6	4	3	3		
		7	343	1018.0	—	48.0	0.7	10.9	94	6.9	4	4	0	14	9	0	2	0	3	4	5	9	3	0	0	9	22	0	7	3	1	2	5	6	2	5	3		
		13	343	1017.7	—	55.6	3.2	12.1	80	6.8	4	2	5	11	9	0	0	0	1	2	5	9	12	7	0	0	14	17	0	5	4	2	3	6	6	2	3	2	
Sussex.	Brighton H	9	48	1019.9	—	52.8	2.0	12.0	86	6.1	8	3	2	6	12	0	0	0	1	2	1	21	4	2	0	0	6	22	3	2	7	2	1	2	9	2	3	3	
		9	174	1018.2	—	53.5	2.0	11.9	87	6.3	6	3	4	6	12	0	0	0	1	3	9	11	7	0	0	4	27	0	3	9	1	2	0	9	4	3	4		
		21	174	1018.1	—	52.2	1.7	11.6	88	5.5	8	4	3	5	11	0	0	0	0	2	4	13	12	0	1	4	26	0	5	6	5	0	0	10	1	4	2		
I. of Wight.	Ventnor(Hosp.)	9	80	1018.1	—	54.8	2.1	12.7	86	6.7	1	7	5	5	13	—	—	—	—	—	—	—	—	—	—	—	12	19	0	3	8	3	1	2	4	8	2		
		15	80	1017.4	—	57.8	3.6	12.8	78	5.8	0	12	6	5	8	—	—	—	—	—	—	—	—	—	—	—	12	19	0	1	3	7	2	1	5	11	1		
Hampshire.	Calshot ...	1	15	1018.2	—	50.5	1.4	11.1	90	6.2	9	2	1	7	12	0	3	0	0	1	1	7	10	9	0	0	10	21	0	5	4	0	1	1	8	5	7	8	
		7	15	1018.0	—	49.6	1.1	11.1	91	6.5	6	4	1	7	13	0	3	2	0	2	11	11	2	0	0	14	17	0	6	4	1	1	1	8	2	7	8		
		13	15	1017.8	—	57.7	3.8	12.5	77	6.2	6	3	5	7	10	0	0	0	2	0	13	10	6	0	0	17	9	5	4	2	2	2	3	9	1	3	2		
		18	15	1017.7	—	54.1	2.3	12.1	84	5.1	8	6	2	7	8	0	0	0	3	1	8	13	6	0	0	8	22	1	4	1	2	4	2	8	5	4	2		
Hampshire.	Southampton H	9	84	1018.2	+3.8	51.4	1.6	11.5	88	6.6	3	2	5	9	12	0	0	1	3	1	16	10	0	0	0	7	24	0	4	6	6	1	1	6	5	2	2		
		21	84	1018.5	+4.2	52.0	1.7	11.8	87	6.6	5	1	7	3	15	0	0	3	2	7	14	5	0	0	1	4	26	0	3	6	1	2	2	6	7	4	4		
Hampshire.	S. Farnborough H	7	256	1017.7	—	46.6	0.6	10.7	96	8.5	1	2	1	8	19	0	6	2	2	1	3	9	4	4	0	0	7	14	10	4	1	1	2	4	4	5	0	3	
		13	256	1017.4	—	56.9	4.1	12.1	75	6.5	4	4	3	10	10	0	0	0	2	1	3	14	5	8	0	0	8	20	3	3	2	4	1	3	6	6	3	2	
Hampshire.	Winchester (Worthy Down)	7	273	1017.9	—	46.9	0.3	10.7	97	7.2	4	3	1	10	13	0	5	0	1	3	4	7	7	4	0	0	6	23	2	7	2	1	2	6	3	3	5	2	
		13	273	1017.4	—	56.6	3.0	12.7	81	7.1	1	3	7	9	11	0	0	0	0	5	8	7	7	11	0	0	8	23	0	9	2	1	2	6	6	3	2		
		18	273	1017.5	—	51.3	0.8	12.2	94	5.4	6	7	3	6	9	0	0	0	0	1	3	13	11	3	0	0	6	20	5	8	1	0	2	4	5	4	2	2	
Wilts.	Larkhill H	9	444	1017.7	—	50.8	1.5	11.4	89	7.1	3	4	3	7	14	0	2	0	0	0	5	2	13	9	0	0	15	15	1	2	6	4	2	3	7	3	3	3	
		13	444	1016.9	—	56.2	3.8	11.9	77	7.0	2	5	3	10	11	0	0	0	0	0	7	11	13	0	0	16	15	0	4	6	2	5	2	7	3	2	2		
		15	444	1016.6	—	56.0	3.4	11.8	77	5.9	5	7	1	7	11	0	0	0	0	0	7	10	14	0	0	15	14	2	3	6	2	1	4	6	4	3	2		
7a. ENGLAND, N.W.																																							
Cumberland.	Aspatria (Mealsgate)	9	485	1014.6	—	50.4	1.6	10.8	88	6.7	6	2	4	4	15	—	—	—	—	—	—	—	—	—	—	—	7	18	6	1	3	0	1	4	10	5	1		
		21	485	1014.7	—	47.6	1.4	10.2	89	5.8	10	3	1	1	16	—	—	—	—	—	—	—	—	—	—	—	6	22	3	0	3	0	12	3	8	2	0		
Lancashire.	Hutton ...	9	86	1015.4	—	51.1	1.5	11.4	89	7.3	2	6	2	5	16	—	—	—	—	—	—	—	—	—	—	5	8	18	1	0	1	2	3	2	3	1	1		
Lancashire.	Southport H	9	42	1016.0	+2.9	50.6	1.5	11.4	89	7.5	0	5	6	4	16	0	0	0	2	2	17	3	2	5	0	0	12	13	6	2	0	3	6	5	2	6	1	1	
		13	42	1015.4	+2.6	55.6	3.5	11.9	78	5.5	1	11	4	6	9	0	0	0	0	0	13	8	1	9	0	1	16	12	2	1	1	0	6	4	4	9	4	4	
		17	42	1015.2	+2.7	53.0	2.6	11.5	83	7.2	2	5	3	5	16	0	0	0	1	7	15	3	0	5	0	1	13	14	3	2	2	2	3	5	2	8	4	4	
		21	42	1015.7	+2.7	49.8	1.6	11.0	89	7.9	1	2	7	2	19	0	0	1	0	4	20	4	1	1	0	1	13	12	5	1	2	6	2	5	4	3	3	3	
Lancashire.	Stonyhurst	9	381	1016.2	—	49.4	1.9	10.2	86	7.5	5	2	1	6	17	0	0	1	1	0	1	14	11	3	0	—	—	—	—	—	—	—	—	—	—	—	—	—	
		21	381	1016.1	—	48.8	1.8	10.3	87	6.0	8	3	3	2	15	0	0	0	1	4	2	11	13	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lancashire.	Manchester (Whitworth Pk.)	9	127	1016.2	—	51.0	2.1	10.8	85	7.3	2	5	3	7	14	—	—	—	—	—	—	—	—	—	—	5	16	10	1	1	3	2	7	2	4	1	1		
		21	127	1016.0	—	49.7	1.7	11.6	95	7.0	6	2	3	3	17	—	—	—	—																				

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns. The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaiser stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (i.e., snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaiser's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 4 "
7	" 4 " " 6½ "
8	" 6½ " " 12½ "
9	" 12½ " " 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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Vol. 44, No. 11.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

NOVEMBER, 1927: Unusually warm first few days; wintry spell 7th-14th; frequent northerly and easterly winds.

General.—The outstanding features of the weather of November were the remarkably high temperatures recorded during the first few days of the month and the spell of wintry weather between the 7th and the 14th.

The very mild south-westerly winds which prevailed during the last week of October persisted during the first few days of November and temperature remained at an unusually high level for the time of year, exceeding 60°F. at several places on the 2nd and 3rd. Associated with a depression to the west of Ireland, much rain fell on the 1st and during the night of the 1st to 2nd over a large part of Ireland, Scotland and the north of England, heavy falls being recorded locally; amongst the largest amounts were 50mm. at Morecambe, 69mm. at Inveraray, 56mm. at Langholm, 63mm. at Cardiff on the 1st and 58mm. at Strathspey (Lancaster) on the 2nd.

As the low pressure system shifted north-eastwards, the winds became first westerly and then northerly increasing to gale force locally on the 5th and 6th and accompanied by heavy showers of rain or sleet in northern and north-western districts. With the influx of the cold northerly current of air, temperature fell and by the 7th wintry conditions had become established in most districts and continued up to the 14th. Thunderstorms occurred at a few places on the 8th, a thunderstorm at Holyhead on that date being accompanied by heavy rain. The fall in temperature was pronounced; at Aberdeen on the 8th the maximum temperature of 35°F. was in marked contrast with the maximum temperature of 61°F. on the 2nd and 3rd. At Richmond (Kew Observatory) the maximum temperature on the 8th was 38°F. compared with 62°F. on the 3rd. Sleet, hail and snow fell on several days in northern and eastern districts and in some southern districts between the 10th and 12th. Severe frosts in the screen and on the ground were widely experienced; at Renfrew the temperatures as recorded by the screen minimum thermometer and by the terrestrial radiation thermometer on the 8th were respectively 19°F. and 12°F. and during the night of the 12th to the 13th the temperature fell to 20°F. in the screen and to 15°F. on the ground at Eskdalemuir and to 13°F. in the screen at Balmoral.

On the 14th the winds backed and during the next few days westerly to south-westerly winds brought mild rainy weather and in several districts temperature rose above 50°F.

On the 18th associated with an intense anti-cyclone over Scandinavia and low pressure to the south of the British Isles, strong easterly winds were experienced up to the 21st, gales occurring in the North Sea and along the east coast between the 19th and 21st.

From the 22nd to the 28th quiet cloudy weather occurred in the south-east and the Midlands with much fog at times, notably on the 26th, while in the north and west strong south-westerly winds and unsettled weather prevailed. On the 28th a deep depression moved across the Faroes and a trough of low pressure subsequently crossed our Islands giving much rain in southern England on the 29th. In its rear the weather was generally fair, though dull in southern England, and with fog and low temperature in parts of Scotland on the 30th.

The general character of the weather of the month is illustrated by the following remarks taken from Observers' notes:—Southport—A remarkably variable month in most respects, but after the 5th, exceptionally northerly and easterly type of weather. Copdock—November, 1927, has been a damp and gloomy month. A feature of the month was a sharp thunderstorm on the 12th, an unusual occurrence in November in East Anglia, but it will be for the high temperatures during the first four days for which the month will be chiefly remembered; the maximum of 63°F. on the 2nd and the minimum of 55°F. on the following night eclipse any previous record at this station. West Kirby—A month of varied weather. Good sunshine records except from November 17th-24th. Rainfall heavy. Berkhamsted—The month was rather cold and wet with a spell of gloomy foggy days during the last half of the month. Halstead—The month opened with a few very mild days which were followed by an exceptionally cold period from the 7th to the 14th. Very little rain during the first half of month. Newport (Isle of Wight)—Latter part of month was very dull with unusually dense fog on the 22nd and 26th. Teignmouth—A normal month. Winds were generally between N.E. and N.W. and were mainly moderate.

Pressure and Winds.—The mean pressure was above the normal in all districts. Over Ireland and Scotland and the western districts of England and Wales the trend of the isobars favoured winds between south-west and west though there was a considerable proportion of northerly winds; over central and eastern England winds were more uniformly distributed over the compass.

Strong winds occurred during the first few days of the month and reached gale force locally on the 5th and 6th. The periods 18th to

23rd and the 25th to the 28th were stormy in many districts. The highest wind velocity recorded in a gust was 84 m.p.h. at Lerwick on the evening of the 28th.

Temperature.—The mean temperature for the British Isles regarded as a whole differed only slightly from the normal. In all Districts the departures from normal were either slight or moderate, the largest excess, 0.7°F., occurring in Ireland N. (mean temperature 44.7°F.) and the largest deficit, 0.9°F., in the Channel Isles (mean temperature 48.4°F.). Unusually high temperatures for the time of the year were recorded during the first few days of the month, temperature higher than any previously recorded in November occurring on the 2nd at Eskdalemuir (60°F.), Yarmouth (64°F.), Copdock (63°F.) and Tynemouth (67°F.). The week ending November 12th was unusually cold in all districts, the deficiency in mean temperature relative to the normal amounting to almost 9°F. in Scotland E. and W. (mean temperatures 34.1°F. and 35.9°F. respectively) and to 8°F. in England S.E. (mean temperature 38.8°F.). A noteworthy feature of the weather during the period of easterly winds and overcast skies from the 18th to the 21st was the relatively small diurnal range in temperature.

Ground frosts occurred in all districts, notably in northern and central districts, and were most frequent and severe during the second and third weeks of the month.

The extreme temperatures for the month were:—(England and Wales) 67°F. at Tynemouth, Chopwellwood, Geldeston and Wakefield on the 2nd, 21°F. at Burnley and Leyland on the 8th and at Bromyard on the 12th; (Scotland) 65°F. at Kelso on the 2nd and 9°F. at Braemar on the 12th and 13th; (Ireland) 67°F. at Dublin (Phoenix Park) and Kilkenny on the 2nd and 20°F. at Markree on the 13th and 30th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 111; the values for the constituent countries were:—England and Wales 121; Scotland 106; Ireland 93.

In England and Wales precipitation was somewhat irregularly distributed, but in general amounts were above the normal. Norwich with 202 per cent. of the normal and Ashburton with 78 per cent. of the normal illustrate the extreme range of variation in monthly totals.

In Scotland rainfall aggregates varied irregularly but towards the south-east there was in general a deficiency and towards the south-west and in the extreme north an excess. Heavy to very heavy falls were general on the 1st. There were moderate to heavy falls between the 15th and 18th (80 mm. at Lochgoilhead on the 18th) and some rather wet days between the 23rd and 28th except in some eastern districts.

In the north and in a few other isolated districts in Ireland, precipitation was normal or above; elsewhere there was a deficiency which was most pronounced in the central districts.

Most districts experienced snow during the cold spell which lasted during the second week; in Scotland there were some heavy falls on several days during the period and very serious drifting in some districts.

Thunderstorms occurred locally on various dates.

Sunshine.—Sunshine aggregates were generally below the normal in the central, eastern and southern districts of England and above the normal elsewhere. Good sunshine records were obtained on several days, notably round about the 12th and on the 25th. Amongst the largest amounts were 8.4 hr. at Porton, Ross-on-Wye and Ventnor on the 11th, 8.3 hr. at Falmouth on the 12th, 7.7 hr. at Armagh and 7.0 hr. at Malvern and Norwich on the 13th and rather more than 7 hrs. at several places notably in eastern and southern England on the 25th (e.g., 7.4 hr. at Tunbridge Wells and 7.3 hr. at Margate and Portsmouth). The most sunless period generally occurred during the period of easterly winds from about the 18th to the 23rd.

Fog.—Fog occurred locally during the first few days of the month, widely on the 8th and again from the 22nd to the 28th. Dense fog was experienced over a wider area in southern England and the Midland Counties on the 26th and in several places, including many parts of London, persisted throughout the day.

Miscellaneous Phenomena.—Halos of 22°F. were observed at many stations on various dates. Aurora was observed in Orkney or Shetland on the 16th, 17th, 18th, 19th, 27th, 29th and 30th and at Gordon Castle on the 27th and 30th.

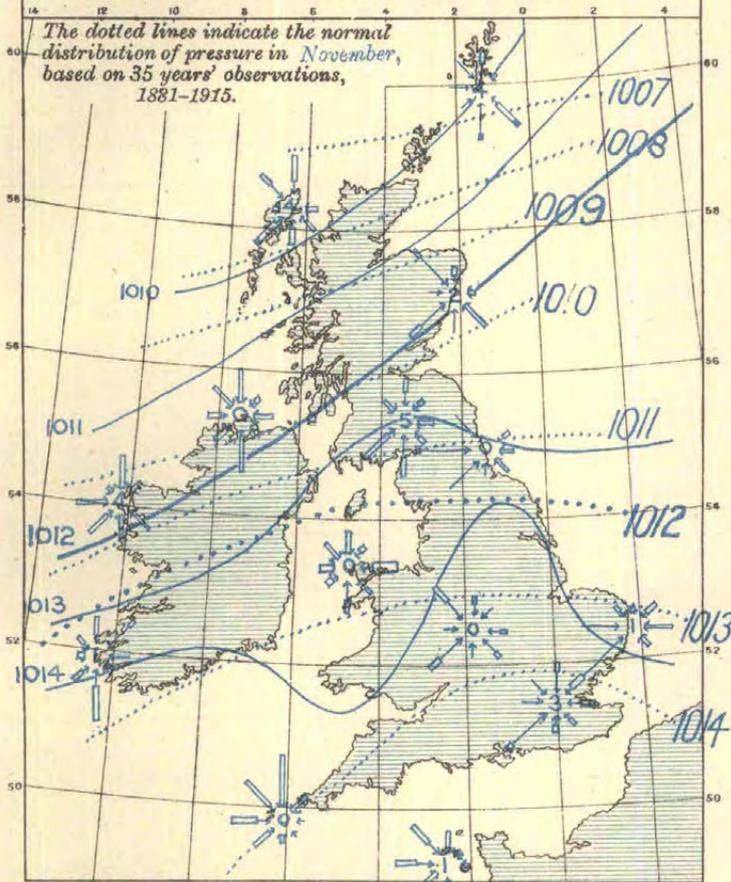
DISTRICT VALUES AND WIND SUMMARY, NOVEMBER, 1927. [1908.]
TABLE I.—DISTRICT VALUES—NOVEMBER, 1927.

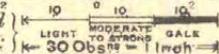
DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount. (r-10).				PRESSURE. MEAN SEA LEVEL.						
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h 9h	13h 15h	17h 18h 21h	Highest	Date.	Lowest	Date.			
			Daily Max.	Daily Min.	** Adjusted Daily Mean	Deviation from Normal.																			in.	mm.	mm.
0. SCOTLAND, N. ...	60	22	45.5	37.5	41.5	-0.3	—	—	—	—	—	—	5.25	133	-10	23	1.61	+0.39	21	7.0	6.9	7.6	7.1	1035	29	981	23
Eastern.																											
1. SCOTLAND, E. ...	65	9	45.2	36.3	40.7	-0.4	—	—	—	—	—	—	2.95	75	-4	22	1.94	+0.21	24	4.8	7.2	6.8	5.9	1035	29, 30	985	6
2. ENGLAND, N.E. ...	67	22	47.1	37.7	42.4	-0.7	43.4	+0.8	47.7	+0.3	2.97	75	+15	19	2.07	+0.20	24	6.5	7.1	7.6	6.3	1034	30	987	6		
3. ENGLAND, E. ...	67	24	48.2	38.9	43.5	0.0	46.3	+1.2	50.9	+0.5	3.43	87	+28	17	1.87	-0.25	21	7.1	7.5	7.5	6.9	1035	25, 26	987	7		
4. MIDLAND COUNTIES ...	67	21	47.9	37.6	42.7	0.0	44.3	+1.0	48.7	+0.3	2.80	71	+7	18	1.77	-0.02	20	—	7.4	7.2	7.0	1034	30	987	6		
5. ENGLAND, S.E. ...	66	22	49.3	39.0	44.1	-0.8	47.0	+1.3	52.0	+0.8	3.07	78	0	17	1.93	-0.22	22	6.8	7.7	8.0	7.2	1036	25	987	6, 7		
Western.																											
6. SCOTLAND, W. (& I. of Man)	63	19	47.8	37.6	42.7	-0.5	—	—	48.2	+1.0	5.11	130	-1	20	2.31	+0.64	28	—	7.1	7.5	6.1	1036	29	987	6		
7. ENGLAND, N.W. (& N. Wales)	66	21	48.0	39.5	43.7	-0.3	44.3	+1.3	48.6	+0.3	4.32	110	+17	19	2.02	+0.29	24	7.1	7.2	7.3	6.4	1033	29, 30	988	6		
8. ENGLAND, S.W. (& S. Wales)	64	22	50.1	40.7	45.4	-0.2	47.9	+1.5	52.3	+1.0	4.25	108	+1	18	2.11	-0.03	24	6.7	7.6	7.7	7.1	1033	25, 26	987	6		
9. IRELAND, N. ...	64	20	49.6	39.8	44.7	+0.7	46.3	+1.2	50.1	+0.5	3.89	99	+1	22	2.67	+0.72	31	5.7	6.7	7.0	6.7	1035	29	988	6		
10. IRELAND, S. ...	67	21	50.3	39.7	45.0	-0.3	46.5	+0.3	50.1	+0.5	3.62	92	-10	19	2.75	+0.54	32	—	6.4	6.5	6.1	1035	29	989	6		
11. CHANNEL I. (& Scilly)	65	36	51.8	45.0	48.4	-0.9	49.0	-0.2	54.0	+0.5	3.65	93	-8	21	2.29	-0.14	25	6.9	7.5	7.4	6.7	1033	25	987	20		
Mean: DISTRICTS 1—10	67	9	48.3	38.7	43.5	-0.9	45.7	+1.1	49.8	+0.6	3.64	93	+5	19	2.14	+0.21	25	6.4	7.2	7.3	6.6	1036	—	985	—		

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—NOVEMBER, 1927. [1914.]

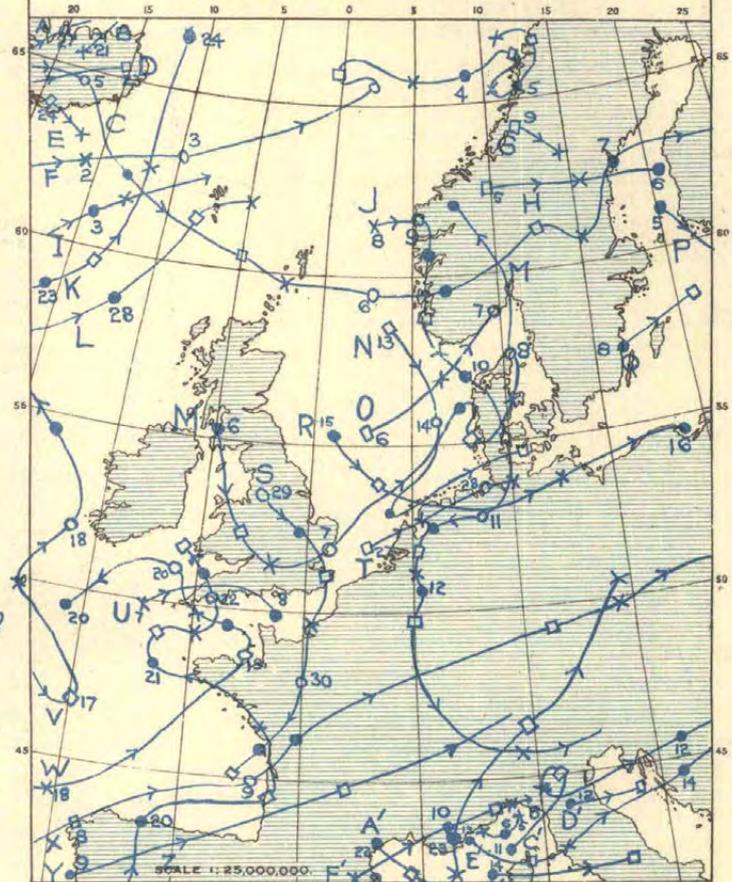
DISTRICT AND STATION.	Height.			Distribution of Wind.††								Extreme Velocities.													
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.		4 to 12 mi/hr.		Less than 4 mi/hr.		No Record.		Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Duration.	from N.	Speed.	Mid Time.	Speed.	Time								
0. SCOTLAND, N.	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	7, 23, 25, 28	36	25	299	232	103	50	0	210	55	25	28	19	84	38	28	18	45	—	—	—	
Orkneys Deerness (Cup Anr.)	188	16	5	23, 28	19	19	197	281	138	27	58	180	45	20	23	18	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																									
Aberdeen Aberdeen ...	70	42	33†	—	0	7	106	192	395	27	0	110	33	15	19	10	48	21	23	21	20	—	—	—	—
Kincardine Balmakewan ...	140	25	18	—	0	1	1	135	(358)	(226)	0	250	25	11	3	22	41	18	3	21	25	—	—	—	—
Edinburgh Edinburgh ...	485	39	31†	1, 23	6	12	49	402	237	26	0	200	41	18	23	19	61	27	1	11	25	—	—	—	—
6a. SCOTLAND, W.																									
Argyll Tiree ...	80	55	48†	6, 7, 18, 23, 28	16	20	286	307	82	29	0	10	44	20	7	4	62	28	9	16	5	—	—	—	—
Renfrew Paisley ...	188	81	15	—	0	1	2	162	392	164	0	190	29	13	23	20	61	27	23	19	50	—	—	—	—
Dumfries Eskdalemuir ...	825	50	22	1	1	17	78	336	193	112	0	200	39	17	23	22	56	25	23	21	55	—	—	—	—
2. ENGLAND, N.E.																									
Durham South Shields ...	62	46	20	—	0	6	78	220	345	77	0	110	31	14	19	22	54	24	4	8	35	—	—	—	—
York, E.R. Spurn Head ...	67	42	35†	19, 21	18	17	175	390	134	3	0	100	44	20	21	1	56	25	21	1	20	—	—	—	—
Lincoln Cranwell ...	284	44	26†	—	0	4	11	295	350	64	0	240	26	12	1	24	45	20	2	1	20	—	—	—	—
3. ENGLAND, E.																									
Norfolk Gorleston ...	52	42	33†	20	1	5	93	229	366	31	0	80	39	17	20	21	49	22	21	0	50	—	—	—	—
Suffolk Felixstowe Aero. ...	55	40	25	—	0	7	34	309	(227)	(150)	0	90	37	17	20	22	47	21	20	19	15	—	—	—	—
Essex Shoeburyness ...	115	104	14†	20, 21	7	8	47	300	243	98	25	—	42	19	20	23	54	24	20	23	10	—	—	—	—
4. MIDLAND COUNTIES.																									
Warwick Birmingham ...	643	118	18	—	0	—	0	239	433	48	0	70	23	10	20	21	44	20	20	19	10	—	—	—	—
5. ENGLAND, S.E.																									
Surrey Richmond (Kew Obs)	82	65	22	—	0	2	8	148	411	153	0	80	28	13	20	23	43	19	20	21	25	—	—	—	—
Surrey Croydon ...	284	40	24	—	0	—	0	125	511	84	0	60	24	11	20	20	39	17	20	15	25	—	—	—	—
Kent Dover ...	61	32	22	20	5	10	49	358	298	10	0	—	44	20	20	21	55	25	20	20	35	—	—	—	—
Kent Lympne ...	409	70	55†	—	0	2	11	320	368	21	0	50	35	16	20	20	52	23	20	20	0	—	—	—	—
Hampshire S. Farnboro' Tower	444	160	14	—	0	20	1	154	474	91	0	80	27	12	20	17	47	21	20	16	50	—	—	—	—
Hampshire Calshot ...	55	45	31†	—	0	6	18	344	(315)	(42)	1	210	29	13	1	21	42	19	29	12	45	—	—	—	—
Hampshire Worthy Down ...	314	43	27†	—	0	—	0	169	395	156	0	350	22	10	29	15	44	20	29	15	10	—	—	—	—
Wiltshire Larkhill ...	526	51	34†	—	0	5	37	325	(351)	(7)	0	30	32	14	29	20	42	19	29	11	5	—	—	—	—
7a. ENGLAND, N.W.																									
Lancashire Fleetwood ...	112	50	12	—	0	8	39	339	275	67	0	320	38	17	9	17	61	27	9	17	15	—	—	—	—
Lancashire Southport ...	77	59	45†	5	6	11	66	322	301	25	0	250	43	19	5	13	59	26	9	17	20	—	—	—	—
7b. NORTH WALES.																									
Anglesey Holyhead ...	64	45	29†	—	0	19	167	420	121	12	0	70	36	16	20	23	50	22	23	20	20	—	—	—	—
Flint Sealand ...	81	65	49†	—	0	—	0	203	413	104	0	260	23	10	5	14	62	28	9	18	20	—	—	—	—
8b. ENGLAND, S.W.																									
Devon Plymouth ...	185	88	2	—	0	5	27	269	315	109	0	—	32	14	17	5	44	20	18	1	25	—	—	—	—
Cornwall Pendennis Castle	256	65	24	1	1	16	119	291	252	57	0	—	42	19	1	16	55	25	9	2	20	—	—	—	—
9. IRELAND, N.																									
Donegal Dunfanaghy ...	180	47	39	3	1	10	52	290	259	118	0	—	40	18	3	18	61	27	3	17	15	—	—	—	—
Antrim Aldergrove ...	282	40	27	—	0	—	0	293	312	115	0	100	24	11	21	9	43	19	5	11	30	—	—	—	—
10. IRELAND, S.																									
Dublin Kingstown (Cup Anr.)	49	27	16	—	0	19	109	393	196	22	0	50	38	17	21	2	—	—	—	—	—	—	—	—	—
11. SCILLY ISLES.																									
Clare Quilty ...	100	40	32†	—	0	5	34	302	261	91	32	—	29	13	5	11	57	25	5	11	5	—	—	—	—
Kerry Cahirciveen (Val.O.)	98	41	34†	—	0	11	63	356	243	58	0	180	33	15	1	6	50	22	17	21	30	—	—	—	—
Cork Weaver Pt. ...	160	30	21†	6, 17	5	12	91	364	228	32	0	—	43	19	17	24	57	25	18	0	10</				

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



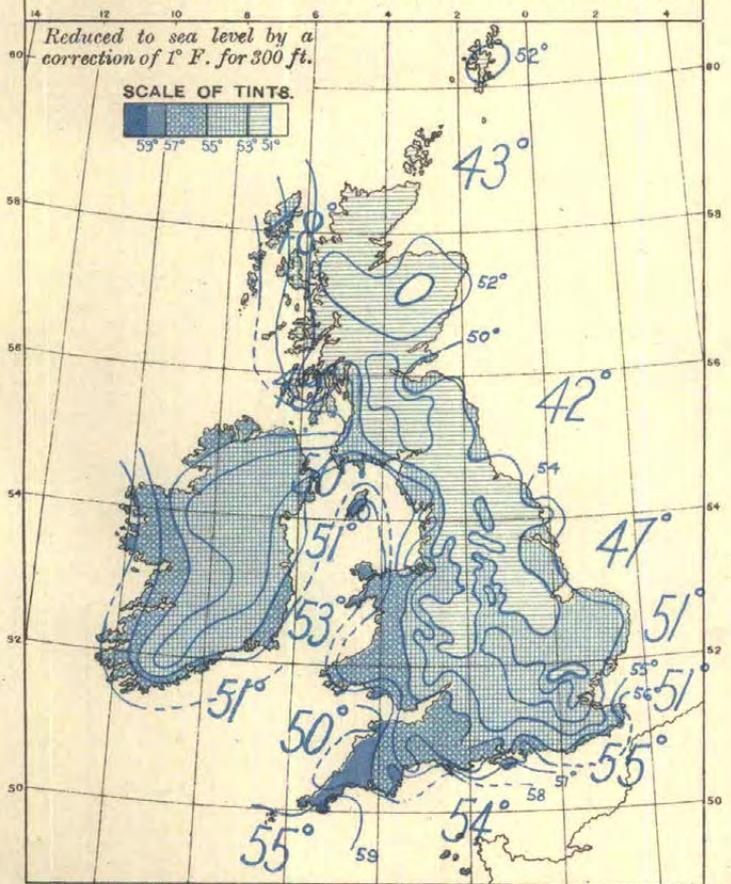
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:  LIGHT TO STRONG GALE
30 OBS. 1 Inch

2. MOVEMENTS OF DEPRESSIONS.



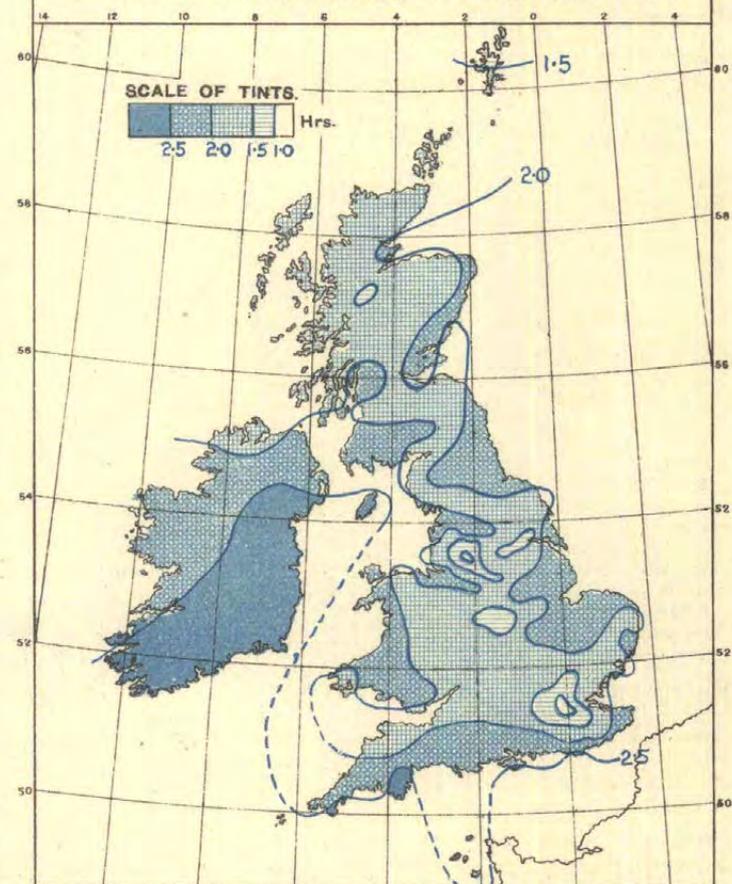
Positions of centres are shown thus: ○ at 1hr; ● at 7h; □ at 13h; X at 18h.

3. DISTRIBUTION OF MEAN TEMPERATURE.

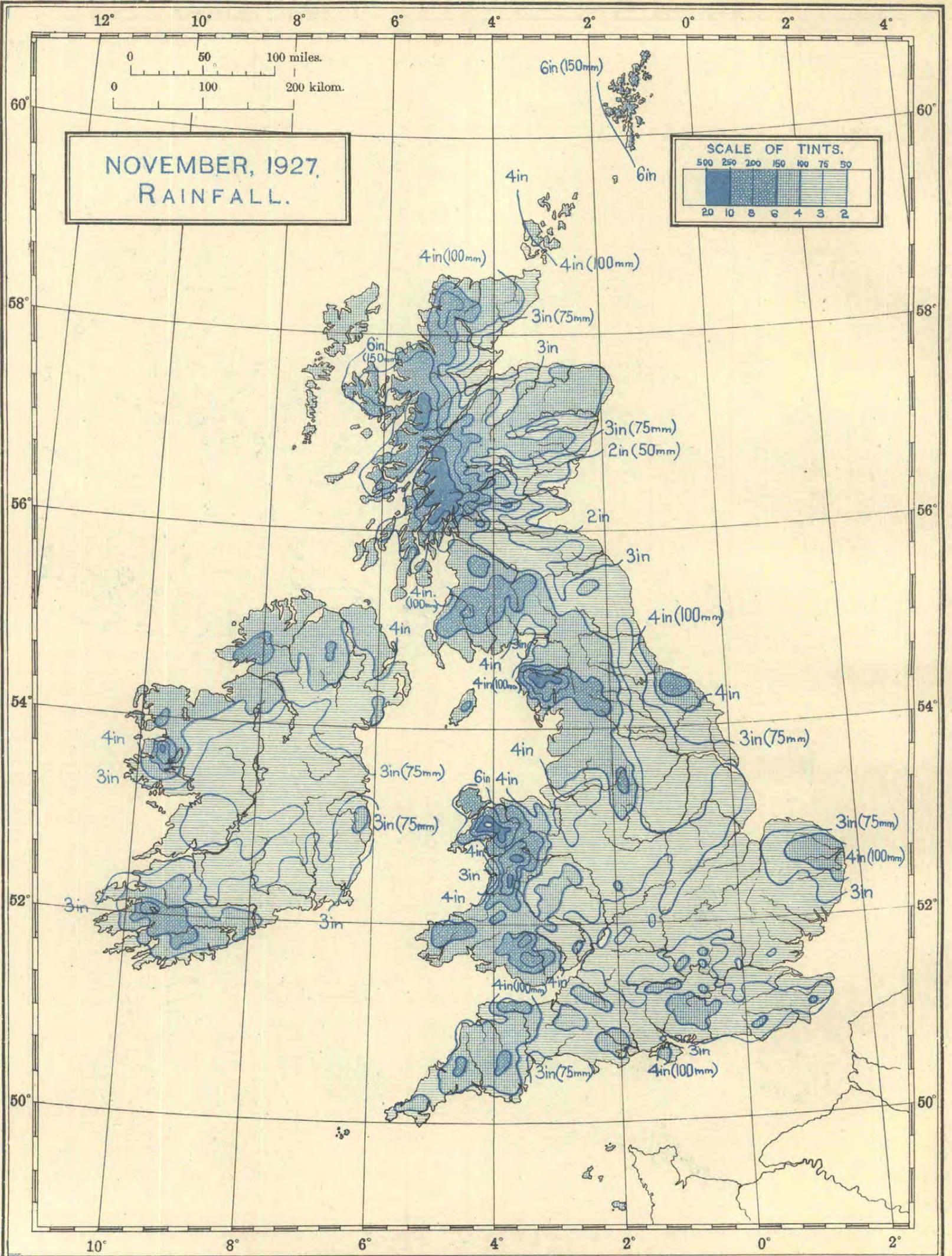


Sea temperatures are shown in large figures, thus: 54°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps 313/1613. Wc. 122A. D. 26. 1125. 12/27.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, NOVEMBER, 1927.

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Fahrenheit (Means of A and B, Absolute Maximum and Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Deviation from Normal, Most in a day); Weather (Number of days for various conditions); and Bright Sunshine (Hours per day, Deviation from Normal, Per Cent).

† At Scarborough the earth thermometer is at a depth of 3ft. ‡ Botanic Gardens, published in this Report from July, 1899. †† University Farm station. ** At Meltham the earth thermometers are at depths of 1 ft. and 2ft. § See paragraph headed "Sunshine" in Notes on Tables on last page of this issue.

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of NOVEMBER, 1927.

Table with columns: DISTRICT, COUNTY AND PLACE; Hour of Observation; Height of Barometer; MEAN PRESSURE; TEMPERATURE AND HUMIDITY; CLOUD AMOUNT; VISIBILITY; WIND, NUMBER OF OBSERVATIONS. Rows include stations like Kent (Biggin Hill, Dungeness, Lympne), Sussex (Brighton, St. Leonards), I. of Wight (Ventnor), Hampshire (Calshot, Southampton, S. Farnborough, Winchester), Wiltshire (Larkhill), and various stations in ENGLAND, NORTH WALES, and SOUTH WALES.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 4½ "
7	" 4½ " " 7½ "
8	" 7½ " " 12½ "
9	" 12½ " " 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhyader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (24), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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

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Vol. 44, No. 12.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

DECEMBER, 1927: Cold and dull; unusual prevalence of easterly winds; severe snowstorms 24th—27th; abnormally dry in Scotland.

General.—The outstanding features of the weather of December, 1927, were the cold wintry weather with strong easterly winds and gales during the second half of the month, except for an interval of mild weather from the 21st to 24th, the pronounced decrease in the normal frequency of westerly winds, the relatively small totals of precipitation in most districts and the general lack of sunshine.

During the first ten days pressure was high over Scandinavia and low on the Atlantic to the westwards of the British Isles and the weather was generally dry in the eastern districts. On the 5th, the Atlantic depression temporarily spread eastwards and in most districts mild conditions were experienced, accompanied in the west and north by southerly gales and much rain. The highest temperatures of the month occurred generally on the 6th and in most places maximum temperatures of 50°F. and above were recorded. As the Scandinavian anticyclone extended westwards, winds became easterly and temperature gradually fell. About December 12th a large anticyclone covered Iceland and Scandinavia and in consequence, air of polar origin spread over the whole of Europe except Spain, reaching the British Isles from the east. On December 14th a depression moved east-south-east across the south-western districts causing snow to fall over northern districts and rain or sleet over southern districts. The very cold air reached eastern England on the 16th and soon spread over the whole country. A notable feature of the weather during the next few days was the low day temperatures recorded, temperatures remaining below freezing point for five consecutive days at many places over large areas. During this period snow fell occasionally but amounts were mostly slight except over a comparatively narrow strip on the east coast, where observers reported a few inches of snow extending right down to sea level.

Associated with the passage of a deep depression across the British Isles, mild, stormy and unsettled weather set in in the south-west on the 20th, the mild conditions extending to northern and eastern districts on the 21st. Rain fell during the night of the 20th—21st and on the morning of the 21st glazed frost occurred in London and many other parts of England causing serious inconvenience and numerous street accidents. In the rear of this depression cold north-easterly winds spread across our northern districts with renewed frost and snow on high ground. On the 25th snow fell in the Midlands, while heavy rain occurred in the south of England. Towards evening cold air spread southwards and the precipitation took the form of snow which fell heavily throughout the night over nearly the whole of southern England and throughout the 26th and 27th in the south-eastern counties. Owing to the strong north-easterly winds, which reached gale force locally in exposed places, there was severe drifting, and serious interruption of rail and road communication. Subsequently mild weather spread over the south-western districts on the night of December 30th, but only became general on the night of January 1st, screen minimum temperatures well below freezing point being recorded widely, except in the south-west, on the morning of the 31st.

Pressure and Winds.—Monthly means of pressure were above the normal in Scotland, the northern half of England and Wales and Ireland, and below the normal in the southern half of Ireland and the south-east and south-west of England and Wales. The general trend of the isobars differed considerably from the normal, there being an almost complete absence of westerly winds. Many observers remarked on the unusual prevalence of easterly winds during the month; at Southport the Observer states that during the month winds from easterly points were more prevalent than in any month during 56 years' observations. Strong winds and gales occurred about the 5th, in south-western districts from the 10th to the 12th and about the 18th, and widely from the 25th to the 29th. The highest recorded wind velocity in a gust was 69 miles per hour at Pendennis on the evening of the 11th.

Temperature.—The mean temperature was below the normal in all Districts, the largest deficit 4.4°F. occurring in England N.W. (mean temperature 36.4°F.) and the smallest deficit 1.8°F. in Ireland N. (mean temperature 39.6°F.). A prominent feature of the weather of the month was the cold spell which commenced about the 12th and continued until the end of the month broken only by an interval of mild weather from the 21st to the 24th. The period 16th to the 20th was very cold generally and over a large area day temperatures during these five days did not rise above freezing point (e.g., 23°F. at Nairn on the 18th and at Cranwell and Leafeld on the 19th), while screen minimum temperatures below 20°F. were widely experienced (0°F. at Logie Coldstone on the 17th and 18th and at Braemar on the 18th and 7°F. at Bungay on the 19th).

Ground frost occurred in all Districts, and in most Districts on more than half the days in the month. Severe ground frost occurred during the period 16th—20th; at Balmoral the temperature as recorded by the terrestrial radiation thermometer on the morning of the 17th was -4°F.

The extreme temperatures for the month were:—(England and Wales) 56°F. at Canterbury, Reading University and Rhyl on the 6th and at Killerton and Paignton on the 21st and at Teignmouth on the 22nd, 7°F. at Bungay on the 19th; (Scotland) 53°F. at Achnashellach on the 6th, 0°F. at Logie Coldstone on the 17th and 18th and at Braemar on the 18th; (Ireland) 56°F. at Markree Castle on the 6th, 19°F. at Armagh on the 8th.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal was 78; the values for the constituent countries were:—England and Wales 95; Scotland 44; Ireland 75. December is thus one of three months of 1927 in which the general precipitation over the British Isles was below the normal, the other two months being May and October. Over Scotland generally it was the driest December since before 1870, with one exception, December 1890.

Over England and Wales aggregates of precipitation exceeded the normal east of a line extending from Spurn Head to Sidmouth, and in some north-eastern districts; elsewhere they were below the normal, the deficiency relative to the normal being most pronounced in Lancaster and the Lake District.

In Scotland the month's precipitation equalled or exceeded the normal in East Lothian and part of Forfarshire, but elsewhere there was a deficiency moderate in eastern districts but becoming more marked towards the west, where the month was everywhere notably dry. Over considerable areas in the north-west aggregates were less than half-an-inch, with only 5 per cent. of the normal at Fort William and only 3 per cent. at Glenquoich. At both these places, as at many others, the month was much the driest December on record. At Achnashellach there was only one rain-day in the month, the month's total representing only 4½ per cent. of the normal.

In Ireland monthly aggregates were above the normal over coastal districts in the south-east of Ireland and in parts of Tipperary and Kilkenny; elsewhere they were below the normal, the most pronounced deficiency occurring in the north-western districts.

Snow fell widely between the 14th and 20th but in general amounts were slight; owing to the very cold weather which prevailed the snow lay on the ground for several days. Further heavy falls of snow with strong north-easterly winds or gales occurred from the 24th onwards and in many parts of the country extensive blocking of roads was caused by deep snow drifts. Snow fell heavily during the night of the 25th—26th over nearly the whole of southern England and on the 26th and 27th in the south-eastern counties. The mean depth of the snow exceeded a foot on the higher ground over a large area but near sea level there was considerably less and at some places on the east and south-east coasts there was no snow lying. The snow was of the soft clinging type and broke down numerous overhead wires and branches wherever there was shelter from the winds. Strong north-easterly winds reaching gale force locally in exposed places accompanied the snowfall and continued till the 29th, causing severe drifting with serious interruption of rail and road communication. Drifts as deep as twenty feet were reported from Salisbury Plain while some villages were isolated for days and many of the main roads were blocked till the New Year. Further snow occurred in some districts on the 31st, notably in Wales, the Midlands and London.

Sunshine.—December, 1927, was on the whole dull, the number of sunless days being normally large, as many as 20 or more being experienced at several stations. Sunshine records of 6 hr. or 7 hr. were obtained at several stations in Eastern and Southern England and in Ireland about the 6th and widely between the 26th and 29th.

Fog.—There were frequent occurrences of fog during the month notably in English districts during the first few days of the month, on the 7th and 8th, about the middle of the month and about the 21st.

Miscellaneous Phenomena.—Halo phenomena were observed on various days at several places. Aurora was observed in Scotland at one or more points on as many as thirteen nights; in Shetland on each night from the 13th to 19th and on the 22nd, 24th, 25th, 27th, 28th and 29th. The Aurora on the 28th was observed as far south as Oxford. Aurora was observed in London on the night of the 20th to 21st.

TABLE I.—DISTRICT VALUES—DECEMBER, 1927. [1908.]

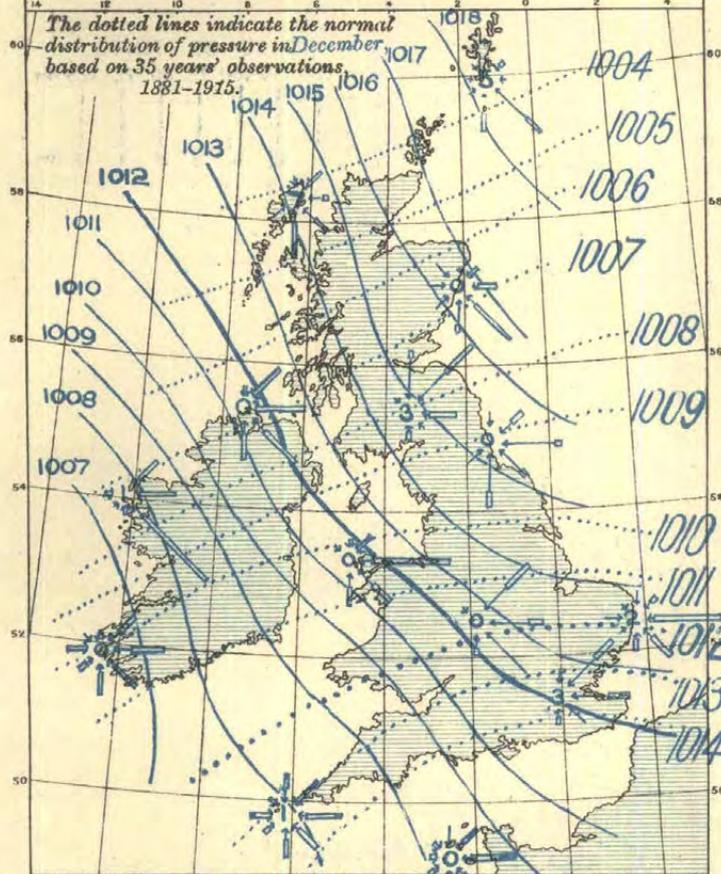
DISTRICTS	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD. Mean Amount (1-10).				PRESSURE. MEAN SEA LEVEL.						
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days	Daily Mean.	Deviation from Normal.	Per cent.	1h	7h	13h	17h	18h	19h	Highest	Date.	Lowest	Date.	
			Daily Max.	Daily Min.	** Ad. Justed Daily Mean	Deviation from Normal.																					
0. SCOTLAND, N. ...	53	11	39.6	32.2	36.1	-3.0	—	—	—	—	—	—	0.92	23	-134	11	0.95	+0.34	15	6.9	6.7	7.8	6.7	10.45	28	979	22
Eastern.																											
1. SCOTLAND, E. ...	52	0	37.4	29.8	33.8	-4.1	—	—	—	2.03	52	-27	16	0.71	-0.33	10	7.2	8.0	7.7	7.4	10.46	28	971	22			
2. ENGLAND, N.E. ...	50	11	38.4	33.1	35.9	-3.6	39.6	-0.7	44.9	-0.1	2.80	71	+12	15	0.79	-0.41	11	8.1	8.6	8.2	8.1	10.43	28	968	23		
3. ENGLAND, E. ...	54	7	39.1	33.2	36.3	-3.2	40.5	-1.6	46.0	-0.3	2.53	64	+6	14	0.97	-0.36	13	7.7	8.0	7.8	7.7	10.38	28	969	23		
4. MIDLAND COUNTIES ...	54	12	38.0	31.8	35.0	-4.2	38.3	-2.2	43.9	-0.8	2.65	67	-3	13	0.71	-0.45	9	—	8.5	7.9	7.7	10.41	28	967	22		
5. ENGLAND, S.E. ...	56	9	40.7	33.6	37.3	-4.0	40.9	-2.0	46.6	-0.7	3.93	100	+21	13	1.21	-0.23	15	7.7	8.4	8.1	7.7	10.34	18	968	22, 23		
Western.																											
6. SCOTLAND, W. (& I. of Man)	52	12	39.9	32.7	36.4	-4.2	—	—	44.1	+0.6	1.60	41	-102	10	0.91	-0.04	13	—	7.8	8.3	7.1	10.44	28	970	22		
7. ENGLAND, N.W. (& N. Wales)	56	10	39.4	33.1	36.4	-4.4	38.2	-2.3	43.8	-0.7	1.45	37	-58	9	1.00	-0.04	13	7.8	8.2	8.1	7.2	10.39	28	967	22		
8. ENGLAND, S.W. (& S. Wales)	56	11	42.2	35.5	39.0	-3.8	42.8	-1.5	48.0	+0.2	3.43	87	-40	13	0.91	-0.51	12	8.4	8.5	8.7	8.1	10.34	28	965	22		
9. IRELAND, N. ...	56	19	42.8	36.0	39.5	-1.9	39.9	-2.1	45.7	-0.4	2.44	62	-41	15	1.29	+0.09	18	6.6	7.3	7.5	7.1	10.42	28	962	22		
10. IRELAND, S. ...	53	20	44.5	37.1	41.0	-2.1	41.5	-1.5	45.9	-0.1	4.46	113	-6	19	1.11	-0.36	14	—	7.9	7.8	8.0	10.38	28	962	22		
11. CHANNEL I. (& Scilly)	54	21	45.5	39.3	42.5	-3.8	43.1	-3.4	48.7	-1.0	3.30	84	-25	15	1.39	-0.37	17	7.9	7.9	7.6	7.9	10.30	18	966	22		
Mean: DISTRICTS 1-10	56	0	40.2	33.6	37.1	-3.5	40.2	-1.7	45.4	-0.7	2.73	69	-24	14	0.96	-0.26	13	7.6	8.1	8.0	7.6	10.46	—	962	—		

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.—DECEMBER, 1927. [1914.]

DISTRICT AND STATION	Height.			Distribution of Wind.††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 mi/hr.		25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°	mi/hr.	m/s.	day.	hr.	mi/hr.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	33†	5, 6	15	15	196	264	193	76	0	140	42	19	6	7	62	28	6	8	0
Orkneys Deerness (Cup Anr.)	188	16	5	5, 6	13	15	178	277	201	50	25	160	45	20	5	22	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	70	42	33†	—	0	8	51	349	338	6	0	50	37	17	22	24	55	24	5	22	20
Kincardine Balmakewan ...	140	25	18	—	0	—	0	81	(333)	(210)	r20	80	20	9	22	15	38	17	5	23	15
Edinburgh Edinburgh ...	485	39	31†	—	0	—	0	191	415	138	0	190	24	11	1	7	47	21	25	9	0
6a. SCOTLAND, W.																					
Argyll Tiree ...	80	55	48†	5, 6	24	21	242	378	74	26	0	150	47	21	5	19	68	30	5	16	15
Renfrew Paisley ...	188	81	15	—	0	—	0	92	443	209	0	150	20	9	5	23	43	19	25	10	45
Dumfries Eskdalemuir ...	825	50	22	—	0	10	27	246	323	148	0	80	35	16	30	3	49	22	22	8	15
2. ENGLAND, N.E.																					
Durham South Shields ...	62	46	20	—	0	7	61	255	248	180	0	30	33	15	26	2	53	24	25	20	25
York, E.R. Spurn Head ...	67	42	35†	26, 29	4	17	208	271	220	41	0	80	40	18	29	18	57	25	26	1	45
Lincoln Cranwell ...	284	44	26†	—	0	3	29	146	317	249	3	50	29	13	25	17	48	21	26	6	50
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	33†	25 to 27	14	16	185	217	190	87	51	40	44	20	26	22	57	25	26	21	40
Suffolk Felixstowe Aero. ...	55	40	25	—	0	13	127	273	(207)	(137)	0	40	37	17	27	1	52	23	27	0	30
Essex Shoeburyness ...	115	104	14†	26 to 29	30	13	144	249	252	69	0	50	45	20	29	1	61	27	27	6	30
4. MIDLAND COUNTIES.																					
Warwick Birmingham ...	643	118	18	—	0	2	5	204	412	123	0	60	26	12	25	14	45	20	26	9	20
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs)	82	65	22	—	0	5	10	196	385	153	0	50	26	12	27	2	45	20	27	2	15
Surrey Croydon ...	284	40	24	—	0	4	12	190	377	105	0	50	28	13	28	13	44	20	28	13	25
Kent Dover ...	61	32	22	26 to 29	65	13	97	231	338	13	0	—	46	21	27	3	61	27	27	3	40
Kent Lympne ...	409	70	55†	22, 23, 26 to 28	14	8	95	289	320	26	0	360	41	18	26	10	60	27	26	10	15
Hampshire S. Farnboro' Tower	444	160	14	—	0	2	13	184	395	133	19	60?	26?	12?	28?	18?	46?	21?	28?	12	35?
Hampshire Calshot ...	55	45	31†	—	0	15	128	351	(236)	(23)	6	80	34	15	11	20	46	21	26	4	15
Hampshire Worthy Down ...	314	43	27†	—	0	4	27	190	419	108	0	10	30	13	26	24	54	24	26	23	55
Wiltshire Larkhill ...	526	51	34†	26, 27	4	7	69	319	(336)	(16)	0	20	40	18	26	14	51	23	27	4	5
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	112	50	12	—	0	7	50	281	315	98	0	10	32	14	26	2	47	21	26	17	5
Lancashire Southport ...	77	59	45†	—	0	4	16	295	399	34	0	90	28	13	29	15	43	19	29	14	0
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	29†	11, 12, 23, 26, 29	25	15	152	307	232	28	0	80	41	18	29	14	57	25	25	22	35
Flint Sealand ...	81	65	49†	—	0	2	7	210	359	168	0	150	26	12	20	13	38	17	6	0	25
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	5, 22	2	14	121	324	220	52	25	—	39	17	5	22	57	25	28	17	15
Cornwall Pendennis Castle	256	65	24	5, 6, 10-12, 16, 18, 19, 22, 23, 26 to 29	115	23	263	158	149	59	0	—	56	25	11	19	69	31	11	18	55
9. IRELAND, N.																					
Donegal Dunfanaghy ...	180	47	39	—	0	1	6	180	413	145	0	—	30	13	5	20	55	25	5	20	10
Antrim Aldergrove ...	282	40	27	—	0	4	13	298	363	70	0	160	29	13	6	3	50	22	5	22	55
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)	49	27	16	22, 25, 26	9	21	252	277	169	37	0	30	40	18	25	22	—	—	—	—	—
Clare Quilty ...	100	40	32†	—	0	18	150	369	193	9	23	—	37	17	19	23	54	24	5	16	20
Kerry Cahirciveen (Val.O.)	98	41	34†	20	3	20	140	413	168	20	0	110	40	18	20	7	65	29	20	6	55
Cork Weaver Pt. ...	160	30	21†	15, 18 to 20	23	25	274	234	152	61	0	—	42	19	5	20	57	25	5	16	15
11. SCILLY ISLES.																					
St. Mary's ...	160	42	35†	5, 11, 19, 23, 25 to 27	55	23	274	246	136	33	0	250	48	21	23	2	68	30	23	1	25

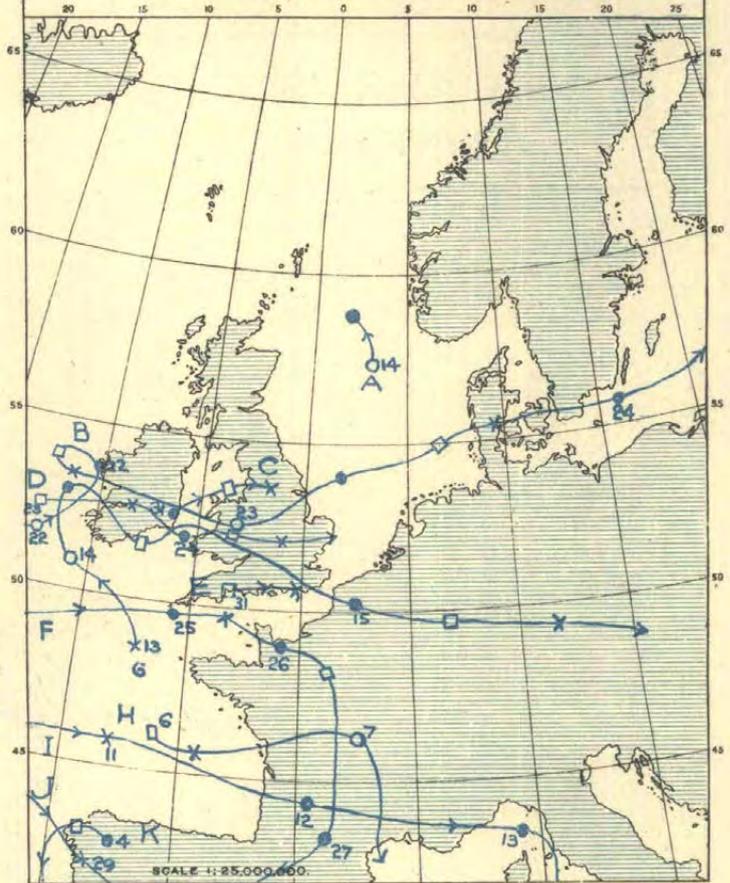
†† Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable.
 † Standard mounting.
 ** District values of mean temperature in the Monthly Weather Reports from 1917 to 1922 are not comparable with those for other years. Corrected values are printed in the Preface for 1922.

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



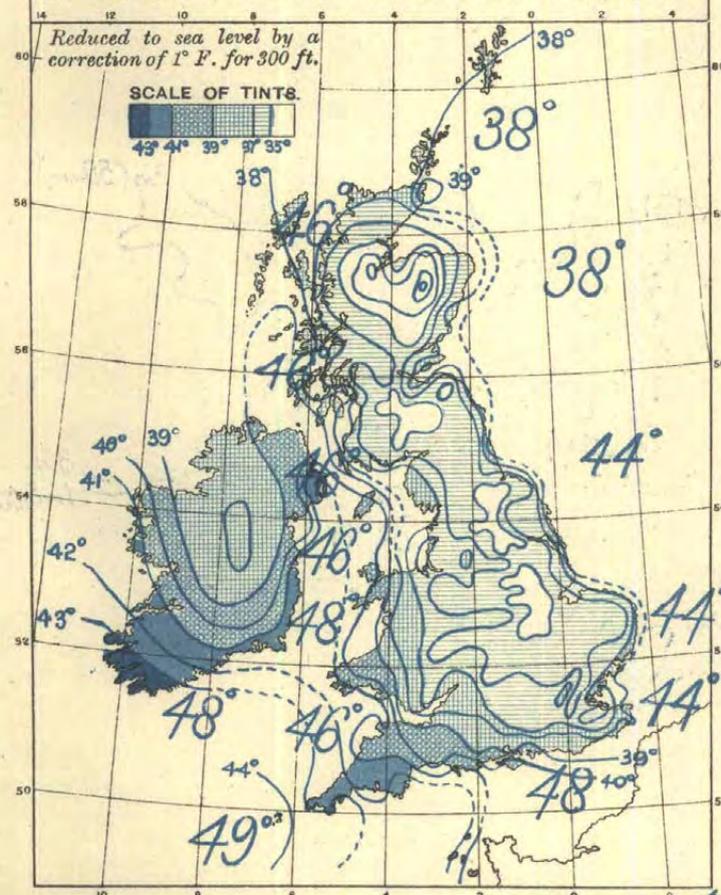
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: LIGHT TO SWIND GALE 30 Obs. = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



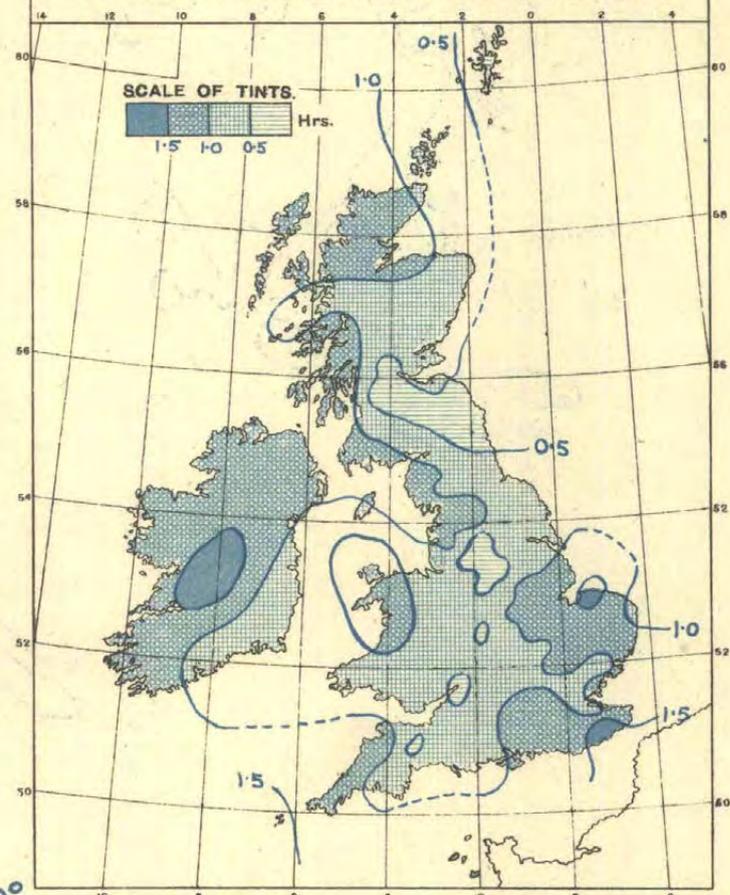
Positions of centres are shown thus: O at 1hr; ● at 7h; □ at 13h; X at 18h

3. DISTRIBUTION OF MEAN TEMPERATURE.

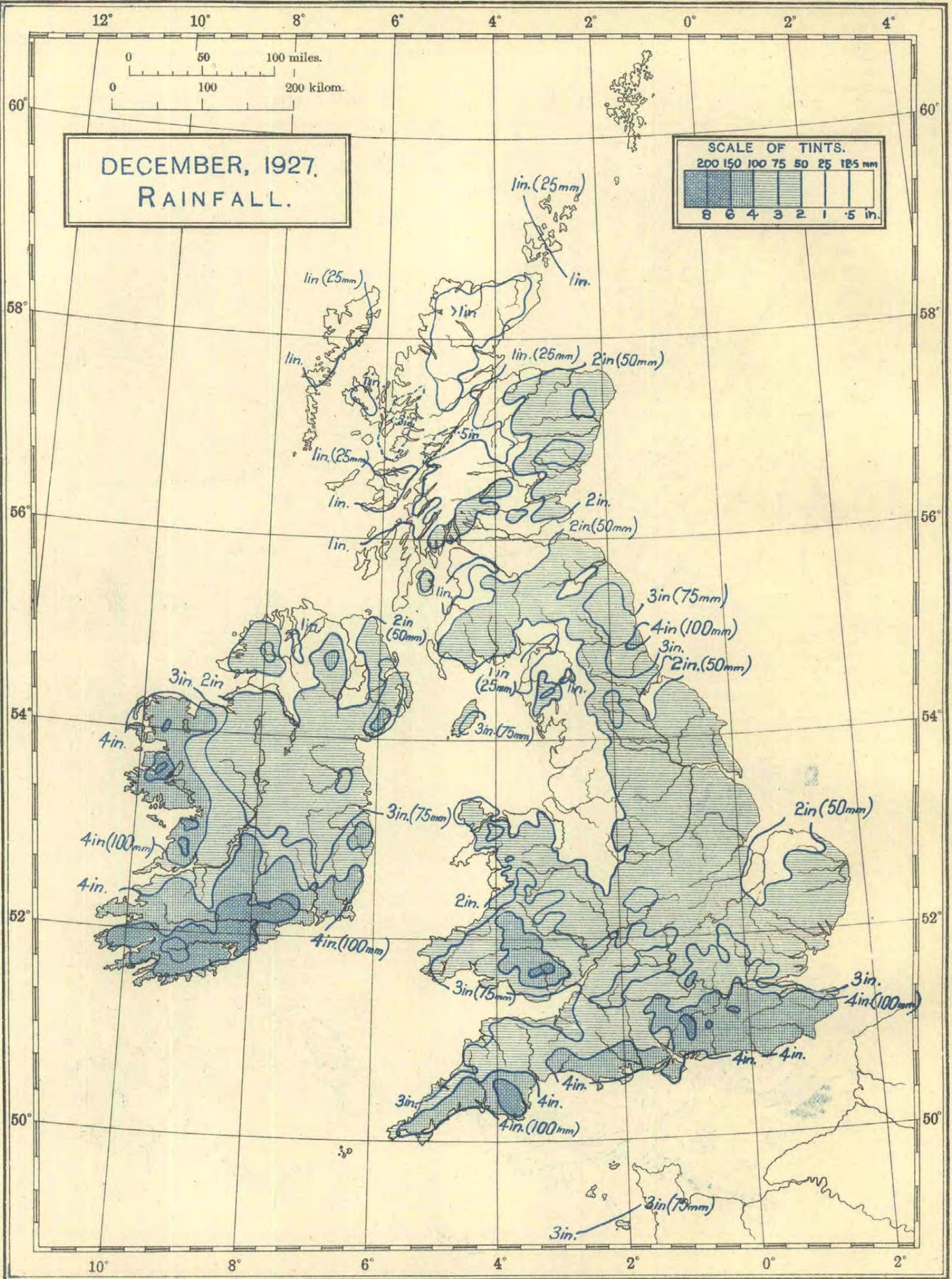


Sea temperatures are shown in large figures, thus: 49°

4. BRIGHT SUNSHINE, HOURS PER DAY.



* The pressure is expressed in millibars.



Scale 1 : 5,000,000.

Ps.314/1630. W. 122A. D.26. 1125. 1/28.

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

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, DECEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.							Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.						
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n		Snow lying.	Hail.	Thunderstorm.	Fog (Morning Obs.)	Ground Frost.	Gale.	Hours per day.							
					Max.	Min.		Maximum.	Date.	Minimum.					Date.	Amount.	Date.	0.2 mm. or more.							1 mm. or more.	Snow.	Thunder.	Daily Mean.	Deviation from Normal.	Per Cent.		
4. MID. COUNTIES—cont.																																
Warwick.	Birmingham	18-7	7	535	36.7	32.4	34.5	-4.6	51	22rd	20	19th	39.5	46.3	2.87	73	+5	17	21st	12	9	9	8	0	0	6	13	0	0.38	-0.56	5	
	B'ham, Sparkhill	713	7	424	37.8	30.7	34.3	—	51	6, 22	17	31st	—	—	3.20	81	—	19	21st	13	9	8	9	1	0	7	15	2	—	—	—	
	Coventry	9 9 9	270		38.4	31.8	35.1	-4.2	52	6, 22	20	17, 19, 20	38.6	45.9	3.17	81	+15	18	21st	15	10	5	10	1	0	3	12	0	0.56	-0.31	7	
	Leamington Spa	9 9 9	165		31.3	31.3	35.1	—	54	22nd	18	19, 31	39.2	48.2	2.64	67	—	17	22nd	12	9	3	9	—	—	1	14	0	0.79	—	10	
	Rugby	2121	9	390	37.6	29.1	33.3	—	53	6th	14	31st	—	—	2.39	61	—	16	21st	11	8	—	—	—	—	1	13	—	—	—	—	
Oxford.	Leafield	18-7	7	612	35.9	31.1	33.5	—	50	6th	17	19th	—	—	4.46	113	—	21	21st	13	9	11	7	0	0	7	14	0	0.72	—	9	
	Oxford	9 9 9	208		39.2	32.6	35.9	-4.0	54	6th	18	19, 20	39.6	46.0	3.42	87	+24	34	25th	11	9	8	7	0	0	5	13	0	0.83	-0.56	11	
	Oxford (Sandford)	9 9 9	210		39.7	31.7	35.7	—	53	6th	13	19th	—	—	2.23	57	—	11	25th	10	10	5	6	0	0	6	13	0	0.85	—	11	
Bucks.	Mursley	9 9 9	490		37.7	29.8	33.7	—	52	6, 22	15	19th	38.7	41.7	2.32	59	—	15	25th	10	8	7	7	0	0	—	17	1	—	—	—	
	Mayfield	9 9 9	374		37.0	30.6	33.8	—	50	6th	18	17, 19, 20	—	—	2.06	52	—	18	21st	13	7	8	8	0	0	2	14	0	0.82	—	11.8	
Shropshire.	Roden, Well'n	9 9 9	207		38.5	29.4	33.9	—	51	6th	18	19, 20	—	—	2.11	54	—	10	21st	13	8	8	—	0	0	—	—	—	—	—	—	
	Wellington	9 9 9	259		38.7	31.3	35.0	—	51	6th	19	19th	—	—	1.63	41	—	10	24th	10	5	7	3	0	0	—	14	1	0.66	—	9	
	Wistanstow	2121	9	481	38.0	30.8	34.4	-4.8	50	6, 22	17	19th	—	—	2.59	66	-18	19	23rd	10	9	8	12	0	0	2	14	0	—	—	—	
Worcester.	Malvern	9 9 9	377		39.0	32.0	35.5	—	51	6, 22	18	19th	38.6	43.8	2.43	62	-8	20	21st	11	7	4	8	0	0	3	11	0	0.61	—	8	
	Tenbury	9 9 9	313		37.5	31.5	34.5	-5.0	52	22nd	16	19th	39.2	—	2.34	59	+4	16	23rd	12	10	8	10	1	0	—	19	—	—	—	—	
	Worcester (Perdiswell)	9 9 9	95		38.8	31.5	35.1	—	53	22nd	16	19th	—	—	1.96	50	—	15	21st	11	8	6	7	0	0	2	16	0	0.76	—	10	
Hereford.	Bromyard	9 9 9	392		37.8	31.4	34.6	—	51	6th	18	19, 20	38.1	44.4	2.32	59	—	13	21st	13	8	5	10	0	0	14	11	0	—	—	—	
	Hereford	9 9 9	291		38.5	31.4	34.9	-4.6	52	6th	15	19th	—	—	2.22	56	-19	11	21st	12	9	7	10	0	0	5	29	0	—	—	—	
	Ross-on-Wye	18-7	7	223	38.1	33.3	35.7	-4.3	53	6, 22	19	19th	39.3	45.1	2.80	71	-5	22	21st	11	8	7	3	0	0	5	12	0	0.98	—	13	
Gloucester.	Cheltenham	2121	9	214	39.5	32.9	36.2	-3.8	54	22nd	20	19th	39.7	45.3	2.91	74	+5	23	25th	11	8	6	8	0	0	6	12	0	1.31	—	17	
	Clifton	9 9 9	225		39.9	33.5	36.7	-4.6	54	6th	21	19th	—	—	3.42	87	-10	16	25th	17	13	4	6	0	0	1	10	0	0.49	-0.74	6	
	Over Court	9 9 9	147		41.5	33.6	37.5	—	54	6, 22	20	19th	—	—	3.40	86	—	19	25th	15	10	6	4	0	0	2	—	—	—	—	—	
5. ENGLAND, S.E.																																
London.	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Camden Square	9 9 9	110		39.3	33.6	36.5	-4.0	53	6, 22	21	19th	40.4	46.4	4.17	106	+45	39	25th	11	10	4	6	0	0	—	10	0	0.47	+0.21	6	
	East Ham	9 9 9	15		40.0	33.3	36.7	—	54	6, 22	20	19, 31	—	—	3.14	80	—	22	25th	11	10	—	—	—	—	—	—	—	—	—	—	—
	Enfield	9 9 9	148		39.3	32.5	35.9	—	53	22nd	16	31st	—	—	3.35	85	+23	32	25th	12	10	6	6	0	0	4	11	0	0.89	—	11	
	Greenwich	2424	9	149	39.5	32.1	35.8	-4.4	54	6, 22	18	19th	42.6	46.2	3.40	86	+29	28	25th	14	9	10	5	0	0	4	11	0	1.23	+0.17	16	
	Hampst'd Res.	9 9 9	450		37.8	29.7	33.7	—	52	6th	17	19, 20	—	—	4.61	117	—	42	25th	19	11	12	9	0	0	—	21	—	0.54	—	7	
	Kensington	18-9	9	80	39.3	34.4	36.9	—	54	6, 22	21	19th	39.4	44.8	3.77	96	—	20	25th	14	10	3	—	0	0	15	—	—	—	—	—	
	Regent's Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Richmond (Kew Obs.)	2424	24	18	39.9	33.6	36.7	-3.6	54	6th	21	19th	39.4	46.0	3.70	94	+36	33	25th	11	9	8	6	0	0	2	10	0	0.94	-0.25	12	
	Stroud Green	18-7	7	212	39.0	33.1	36.1	—	54	6, 22	19	31st	—	—	3.44	87	—	33	25th	11	9	7	4	0	0	10	10	2	—	—	—	—
	Tottenham	2121	9	51	40.7	33.5	37.1	—	54	6, 22	20	31st	—	—	47.0	3.20	81	—	25	25th	11	10	4	8	0	0	—	—	0.22	-0.78	3.8	
	Westminster	9 9 9	27		41.4	33.5	38.2	-3.1	55	6, 22	23	19th	—	—	3.17	81	+27	19	25th	11	9	—	—	—	—	—	14	—	0.56	+0.04	7	
Surrey.	Addington	9 9 9	472		39.1	31.0	35.1	—	53	6th	17	19th	—	—	3.92	100	—	23	25th	14	9	—	—	—	—	—	—	—	—	—	—	
	Croydon Aero.	18-7	7	244	39.3	32.5	35.9	—	55	6th	13	30th	—	—	4.23	107	—	31	25th	11	10	8	6	2	0	3	11	0	1.31	—	17	
	Wisley	9 9 9	150		40.3	32.8	36.5	-3.4	54	6th	17	19, 30, 31	40.2	45.4	4.33	110	+46	36	25th	13	10	3	6	0	0	5	14	0	1.26	-0.09	16	
Kent.	Biggin Hill	18-7	7	597	37.3	30.2	33.7	—	52	6th	17	19th	—	—	4.59	117	—	39	25th	17	8	5	6	0	0	3	11	2	1.37	—	17	
	Bromley	9 9 9	213		39.8	32.5	36.1	—	54	6th	14	31st	—	—	3.95	100	—	33	25th	11	9	—	—	—	—	5	11	—	—	—	—	
	Canterbury	9 9 9	124		40.5	31.1	35.8	—	56	6th	9	19th	42.3	46.6	4.15	105	—	28	26th	11	9	—	—	—	—	—	13	—	—	—	—	
	Deal	9 9 9	25		40.4	33.8	37.1	—	52	6, 22	21	19, 31	40.7	46.0	4.74	120	—	42	26th	13	9	2	2	0	0	0	9	5	1.32	—	17	
	Dover	9 9 9	22		40.9	34.8	37.9	—	53	6th	22	31st	39.2	45.9	4.77	121	—	47	26th	12	8	7	0	0	0	1	9	4	1.59	—	20	
	Dungeness	18-7	7	20	40.6	35.3	37.9	-3.8	53	22nd	23	17, 20	—	—	3.50	89	+19	23	25th	10	10	7	—	0	0	0	6	—	—	—	—	
	East Malling	9 9 9	127		39.8	31.5	35.7	—	54	22nd	12	19th	—	—	4.68	119	—	29	25th													

TABLE III (con'tinued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE and of WEATHER OBSERVATIONS, DECEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.	Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.			
			Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum.			1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precip'n 0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Fog (Morning Obs.)	Thunderstorm.	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.				
			A	B			Maximum.	Date.	Minimum.					Date.	Amount.												Date.			
			Max.	Min.	Mean of A and B.	Deviation from Normal.	Maximum.	Date.	Minimum.	Date.	1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Amount.	Date.	0.2 mm. or more.	1 mm. or more.	Snow.	Snow lying.	Fog (Morning Obs.)	Thunderstorm.	Ground Frost.	Calc.	Daily Mean.	Deviation from Normal.	Per Cent.			
5. ENGLAND, S.E.—cont.																														
Hampshire	Calshot	18-7 7	8	41.2	36.0	38.6	—	53	22nd	25	19th	—	—	3.41	87	—	21	25th	12	10	7	7	1	0	0	0	1	1.14	—	14
<i>—(cont.)</i>																														
	Grayshott	9 9 9	661	38.4	30.9	34.7	-5.0	53	6th	18	19th	38.9	—	5.86	149	+53	31	21st	15	11	10	6	0	0	8	13	2	1.25	-0.23	17
	Long Sutton	9 9 9	479	39.4	30.9	35.1	—	53	6th	17	19.30	38.8	—	3.65	93	—	25	25th	12	10	7	6	0	0	4	13	0	1.05	—	13
	Petersfield (Stoner Hill)	9 9 9	748	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Portsmouth	9 9 9	15	42.6	35.0	38.8	-3.5	54	6th	24	19th	42.5	47.4	4.71	120	+41	25	25th	12	11	6	5	0	0	0	13	5	1.22	—	15
	Southamp'n	2121 9	64	41.1	33.7	37.4	-4.4	54	6th	21	18, 19	—	—	3.69	94	+1	23	21st	14	12	6	6	0	0	8	10	2	1.08	-0.47	14
	S. Farnboro'	18-7 7	230	38.9	32.5	35.7	—	54	6th	16	19, 31	—	—	4.59	117	—	29	25th	12	12	7	6	0	0	2	11	0	1.11	—	14
	Winchester (Worthy Down)	18-7 7	272	39.1	32.8	35.9	—	53	6th	16	18th	—	—	4.76	121	—	33	25th	13	13	6	6	0	0	3	13	0	1.31	—	17
I. of Wight.																														
	Newport	9 9 9	48	42.4	35.6	39.0	—	54	22nd	27	17, 20	—	—	5.40	137	—	31	25th	15	12	7	7	1	1	2	12	1	—	—	—
	Ryde	9 9 9	13	42.4	36.4	39.4	—	54	6, 22	27	19, 20	—	—	4.50	114	—	25	25th	11	11	3	1	0	0	0	—	2	1.05	—	13
	Sandown	9 9 9	30	43.8	36.0	39.9	—	52	6, 21, 23	27	17, 20, 31	—	—	3.54	90	—	17	21st	16	10	3	5	0	0	0	—	0	0.94	—	11
	Totland Bay	9 9 9	140	42.5	34.8	38.7	-3.9	53	6th	24	18th	—	—	4.26	108	+26	25	25th	15	11	5	0	0	0	0	11	3	0.90	-0.91	11
	Ventnor (Hospital)	9 9 9	59	44.2	37.0	40.6	-3.2	54	6th	28	17, 20	—	—	3.72	95	+11	16	24th	15	11	—	—	—	—	—	—	—	1.06	-0.65	13
	(Public Pk.)	9 9 9	196	43.1	—	36.7	—	54	6th	25	18, 19, 20	41.5	48.1	3.00	76	—	15	24th	12	10	1	6	0	0	2	9	2	1.04	—	13
Wilts.																														
	Larkhill	9 9 9	440	39.4	31.6	35.5	—	52	6, 22	17	19th	—	—	3.19	81	—	19	22nd	11	9	6	6	0	0	1	16	2	—	—	—
	Marlboro'	9 9 9	424	39.5	31.6	35.5	-3.3	52	22nd	17	18, 19	39.8	46.2	3.39	86	-3	17	21st	13	11	4	5	0	0	1	12	0	0.61	-0.55	8
	Porton	9 9 9	363	40.1	31.7	35.9	—	52	6, 21, 22	17	18, 19	38.7	—	3.91	99	—	24	22nd	13	10	4	6	1	0	0	14	1	0.95	—	12
7a. ENGLAND, N.W.																														
Cumberland.																														
	Aspatria	2121 9	487	41.4	31.3	36.3	-2.7	50	6th	21	19th	39.4	44.9	1.38	35	-73	10	21st	8	5	4	—	0	0	—	0	0	1.13	+0.07	15
	(Mealsgate)	9 9 9	254	41.5	32.6	37.1	—	50	6th	21	18th	42.7	46.0	1.45	37	—	17	21st	11	5	7	5	0	0	0	0	0	0.84	—	12
	Keswick	9 9 9	254	41.5	32.6	37.1	—	50	6th	21	18th	42.7	46.0	1.45	37	—	17	21st	11	5	7	5	0	0	0	0	0	0.84	—	12
	Newton Rigg	2121 9	559	37.1	29.3	33.2	-4.2	49	6, 7	10	19th	—	—	1.11	28	-78	13	21st	8	6	3	17	0	0	0	21	0	0.82	-0.21	11
Lancashire.																														
	Blackpool	9 9 9	66	39.4	33.5	36.5	-3.6	50	6th	21	20th	41.2	46.7	1.47	37	-46	19	21st	12	6	6	4	0	0	1	13	0	0.85	-0.38	11
	Blundellsands	9 9 9	34	39.4	33.0	36.2	—	52	6th	22	20th	37.8	43.7	1.42	36	—	12	21st	11	6	4	1	0	0	—	15	0	—	—	
	Bolton	9 9 9	341	38.6	32.9	35.7	—	51	6th	23	20th	38.4	43.2	1.54	39	—	18	21st	10	7	6	—	0	0	—	12	0	0.19	—	3
	Burnley	9 9 9	458	37.8	31.0	34.4	—	49	6, 7	18	20th	37.8	43.6	1.49	38	—	23	21st	13	6	7	7	0	0	0	19	1	0.67	—	9.8
	Darwen	2121 9	724	36.8	30.8	33.8	—	48	6th	20	19th	36.8	42.5	1.77	45	—	25	21st	12	7	5	8	0	0	6	14	0	0.64	—	9
	Hutton	9 9 9	82	39.7	33.1	36.4	—	52	6th	20	20th	38.6	44.5	1.06	27	—	13	21st	10	5	6	3	1	1	7	14	0	0.68	—	9
	Lancaster	9 9 9	311	40.7	32.9	36.8	—	51	6th	22	20th	37.9	42.2	1.19	30	—	16	21st	10	6	2	0	0	0	0	13	0	1.34	—	18
	Leyland	9 9 9	124	39.0	32.6	35.8	—	51	6th	20	20th	37.9	42.2	1.19	30	—	16	21st	10	6	2	0	0	0	0	13	0	1.34	—	18
	Manchester (Whitworth Pk.)	2121 9	125	39.5	33.8	36.7	-3.7	53	6th	24	19th	—	—	1.04	26	-56	11	21st	7	6	7	2	0	0	1	—	0	0.80	+0.38	11
	(Oldham Road)	2121 9	190	39.9	33.8	36.9	-4.1	52	6th	24	19, 20	37.7	45.3	0.95	24	-66	11	21st	7	6	7	—	0	0	—	8	0	0.37	+0.14	5.8
	(Swinton)	9 9 9	253	39.2	32.4	35.8	—	52	6th	21	20th	—	—	1.05	27	—	12	21st	5	5	4	2	0	0	6	14	0	0.37	—	5
	Morecambe	9 9 9	24	40.4	33.5	36.9	—	52	6th	23	20th	—	—	1.10	28	—	17	21st	9	6	4	—	0	0	3	—	0	1.30	—	18
	Southport	9 9 9	37	38.7	32.8	35.7	-4.5	51	6th	20	20th	36.6	42.3	1.22	31	-51	12	21st	9	6	4	1	0	0	4	14	0	0.73	-0.50	10
	Stonyhurst	9 9 9	377	38.0	32.2	35.1	-3.9	50	6th	20	20th	—	—	1.23	31	-92	11	21st	11	8	10	8	0	0	0	13	0	1.16	+0.35	16.8
Cheshire.																														
	Hoylake	9 9 9	30	39.5	31.9	35.7	-5.6	52	6th	21	20th	—	—	1.49	38	-34	11	20th	8	6	—	—	—	—	—	—	—	0.85	-0.44	11
	Liverpool (Bidston)	18-7 7	189	37.8	33.5	35.7	-5.1	50	6th	24	19, 20, 31	—	—	1.22	31	-36	7	20th	9	5	6	0	1	0	1	12	0	0.53	—	7
	Macclesfield	9 9 9	500	37.7	31.1	34.4	-3.8	48	6, 22	19	20th	—	—	1.00	25	-63	11	21st	10	5	8	—	0	0	1	—	0	—	—	—
	Wallasey	9 9 9	35	39.8	33.7	36.7	—	51	6th	24	20th	—	—	1.29	33	—	12	21st	8	5	5	0	0	0	9	—	0	0.20	—	3
	West Kirby	9 9 9	25	39.0	32.1	35.5	—	52	6th	22	20th	—	—	1.32	33	—	15	21st	8	7	6	2	0	0	5	16	0	0.85	—	11
7b. NORTH WALES.																														
Flint.																														
	Hawarden B'ge	9 9 9	22	39.8	33.1	36.5	-5.0	52	6th	22	19th	—	—	1.54	39	—	14	21st	7	7	—	—	—	—	—	—	—	—	—	—
	Rhyl	9 9 9	30	40.7	33.3	37.0	-5.0	56	6th	22	19th	—	—	1.01	26	-38	10	21st	9	5	3	—	0	0	0	—	0	1.04	-0.51	14
	Sealand	18-7 7	16	37.9	32.5	35.2	—	51	6th	17	19th	39.2	44.1	1.46	37	—	11	21st	8	6	6	1	0	0	5	15	0	0.75	—	10
Anglesey.																														

TABLE IV.—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY and WIND at fixed hours at certain Stations during the Month of DECEMBER, 1927.

DISTRICT, COUNTY AND PLACE	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS																																				
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.																															
										0	1 to 6	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																								
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
0. SCOTLAND, N.																																																											
Shetlands. Lerwick ...	7	59	1018.6	—	38.5	1.6	6.9	85	6.7	0	8	6	4	13	0	0	0	0	0	0	0	0	0	0	0	7	24	0	1	10	15	5	4	1	3	8	8	0	0	2																			
	13	59	1018.2	+14.6	38.5	1.5	7.0	86	7.8	0	4	5	7	15	0	0	0	0	0	0	0	0	0	0	0	10	20	0	1	7	18	5	4	2	1	10	6	1	1	1																			
	18	59	1018.5	—	38.9	1.6	6.9	85	7.4	0	2	2	16	11	0	0	0	0	0	0	0	0	0	0	0	14	17	0	2	7	19	3	4	2	2	10	7	2	1	0																			
Orkneys. Deerness ...	9	165	—	—	38.1	1.7	6.5	84	7.7	0	1	8	12	10	0	0	0	0	0	0	0	0	0	0	1	8	19	3	0	20	9	2	0	6	3	6	9	2	1	0																			
	21	165	—	—	38.1	1.4	6.8	87	6.9	0	8	4	7	12	0	0	0	0	0	0	0	0	0	2	9	17	3	1	18	8	4	1	3	4	7	9	1	1	1																				
Hebrides. Stornoway ...	7	41	1014.4	+10.3	37.2	1.5	6.4	86	6.8	4	2	5	10	10	0	0	0	0	0	0	0	0	0	13	17	1	0	0	14	10	7	1	4	3	8	6	2	0	0																				
	13	41	1014.9	—	39.5	2.1	6.5	80	6.7	0	4	10	10	7	0	0	0	0	0	0	0	0	11	14	6	0	0	0	11	13	7	2	3	2	9	8	0	0	0																				
	18	41	1015.0	—	37.8	1.6	6.6	85	6.5	0	6	7	11	7	0	0	0	0	0	0	0	0	14	15	2	0	0	0	10	15	6	2	4	3	9	7	0	0	0																				
	21	41	1015.2	—	37.0	1.4	6.5	87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																			
Caithness. Wick ...	1	97	1017.1	—	38.2	1.1	6.9	90	7.1	1	3	7	10	10	0	0	0	0	0	0	0	0	0	0	4	27	0	1	13	17	0	0	3	1	8	8	3	2	6																				
	7	97	1016.7	+12.2	37.9	1.1	6.9	90	7.3	0	3	9	9	10	0	0	0	0	0	0	0	0	0	5	26	0	1	12	18	0	1	2	3	7	9	3	3	3																					
	13	97	1017.6	—	40.2	1.5	7.3	87	8.4	0	0	4	15	12	0	0	0	0	0	0	0	0	0	4	27	0	2	13	16	0	2	4	2	5	12	3	2	1																					
Inverness. Inverness ...	9	250	1016.3	—	33.8	1.0	5.9	90	4.1	4	7	15	4	1	0	0	0	0	0	0	0	0	1	0	2	6	10	12	0	3	23	5	0	6	1	9	7	2	0	1																			
	17	250	1016.2	—	34.8	1.6	5.7	83	4.9	2	11	7	8	3	0	0	2	1	0	1	2	1	13	11	0	3	22	6	0	4	1	10	9	1	0	0																							
1. SCOTLAND, E.																																																											
Nairn. Nairn ...	7	82	1015.8	+10.6	32.4	1.3	5.2	86	6.6	0	1	11	19	0	0	0	0	0	0	0	0	0	0	0	21	10	0	0	2	8	21	1	2	3	3	1	0	0	0																				
	13	82	1015.4	—	35.9	1.9	5.8	81	6.3	0	2	13	16	0	0	0	0	0	0	0	0	0	1	8	22	0	0	2	15	14	1	2	7	4	3	0	0	0																					
	18	82	1016.1	—	33.2	1.3	5.5	86	6.0	2	2	10	16	1	0	0	0	0	0	0	0	0	3	15	13	0	0	3	11	17	1	1	5	5	1	1	0	0																					
Aberdeen. Aberdeen H	7	88	1017.2	+10.6	36.7	2.2	5.8	79	7.4	0	6	3	9	13	0	0	0	0	0	0	0	1	2	11	10	7	0	0	16	14	1	1	3	5	9	4	2	4	2																				
	13	88	1017.3	+10.5	37.9	2.3	6.0	78	7.7	0	4	4	10	13	0	0	0	0	0	0	0	1	3	11	9	5	0	0	18	13	0	3	1	7	6	8	0	2	4																				
	18	88	1017.5	+10.3	37.0	2.0	6.0	80	7.4	0	6	5	5	15	0	0	0	0	0	0	0	3	2	14	9	3	0	0	17	14	0	4	1	5	9	4	1	5	2																				
	21	88	1017.6	+10.4	36.7	2.0	5.9	81	8.2	0	4	2	8	17	0	0	0	0	0	0	0	3	2	17	5	4	0	0	13	18	0	3	2	2	11	5	0	4	4																				
Aberdeen. Braemar ...	9	1114	—	—	29.5	1.5	4.4	81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																					
	†	9	1114	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
Perth. Crieff ...	9	482	—	—	34.4	0.8	6.1	92	8.8	0	3	1	5	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
	21	482	—	—	34.2	0.8	6.1	92	7.4	6	2	1	1	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																			
Fife. Inchkeith ...	1	184	1015.4	—	36.8	1.2	6.6	89	7.2	1	8	2	3	17	0	0	0	0	0	0	0	1	5	6	17	2	0	6	25	0	3	5	7	6	5	2	2	1																					
	13	184	1014.7	—	36.7	0.9	6.8	91	7.7	2	2	3	12	12	0	0	0	0	0	0	0	1	0	6	23	0	0	4	26	1	2	4	9	7	5	2	0	1																					
	18	184	1015.2	—	38.5	1.7	6.8	85	8.2	0	2	5	12	12	0	0	0	0	0	0	0	1	0	2	14	12	2	0	6	24	1	1	6	12	5	5	0	1	0																				
Fife. Leuchars H	7	36	1016.2	—	35.8	1.3	6.3	87	8.7	0	2	5	4	20	0	0	0	0	0	0	0	3	8	8	12	0	0	10	16	5	4	3	7	7	1	2	0	2																					
	13	36	1016.3	—	37.9	2.0	6.3	81	8.4	0	3	4	8	16	0	0	0	0	0	0	0	3	11	5	11	1	0	8	20	3	5	2	8	9	2	0	1	1																					
	18	36	1016.4	—	36.1	1.5	6.2	85	6.8	1	5	7	4	14	0	0	0	0	0	0	0	1	2	10	4	14	0	0	12	14	5	2	4	7	7	3	0	1	2																				
Edinburgh. Blackford Hill	9	441	1016.6	—	35.0	1.3	6.0	87	8.9	0	1	3	4	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
	21	441	1016.7	—	34.9	1.4	5.9	85	8.6	1	1	2	8	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
6a. SCOTLAND, W.																																																											
Argyll. Tiree ...	7	36	1013.0	—	39.6	1.4	7.4	87	6.7	1	9	3	4	14	0	0	0	0	0	0	0	0	3	5	15	8	1	25	5	0	4	2	5	13	6	1	0	0																					
	13	36	1013.5	—	41.0	1.9	7.3	83	7.8	1	4	2	10	14	0	0	0	0	0	0	0	0	5	4	12	10	1	26	4	0	2	1	9	12	6	1	0	0																					
	18	36	1013.8	—	39.6	1.7	7.1	85	6.7	1	7	3	9	11	0	0	0	0	0	0	0	0	7	5	10	9	1	22	6	2	2	2	6	14	5	0	0																						
Bute. Rothesay ...	9	187	—	—	37.5	1.0	6.7	91	8.3	0	3	5	3	20	0	0	0	0	0	0	0	7	1	3	11	4	2	3	15																														

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of DECEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.															
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	No. of Observations.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.										
										0	1 to 3	4 to 6	7 to 9	10	FOG.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
2. ENGLAND, N.E.—cont.																																						
Durham. Durham ...	9	352	1016.1	—	35.2	0.9	6.3	91	8.6	0	3	2	4	22	0	0	2	3	10	2	14	0	0	0	0	0	0	4	22	5	1	3	10	3	4	2	3	0
	21	352	1016.0	—	34.7	0.8	6.3	92	8.9	2	0	3	0	20	0	2	0	0	5	4	19	1	0	0	0	0	0	3	21	7	2	3	7	3	8	0	1	0
York, N. Riding. Scarborough...	9	96	1015.4	—	38.6	1.8	6.8	83	7.9	0	1	8	8	14	0	0	0	2	1	1	13	6	8	0	0	0	3	28	0	3	3	0	16	5	2	0	2	0
	21	53	1014.8	—	35.6	1.4	6.2	86	7.6	7	0	1	0	23	—	—	—	—	—	—	—	—	—	—	—	—	0	0	31	0	3	7	7	9	3	2	0	0
E. Riding. Spurn Head	1	28	1014.0	—	38.0	1.3	6.8	88	8.1	3	0	4	4	20	1	1	0	0	0	2	10	13	4	0	0	2	17	12	0	2	6	8	9	2	1	3	0	0
	7	28	1013.6	+3.4	38.1	1.2	6.9	89	8.9	1	0	3	6	21	0	0	1	1	0	2	11	15	1	0	1	21	8	1	2	4	10	7	4	1	1	1	1	1
	13	28	1014.0	—	38.6	1.5	7.0	86	8.0	3	0	4	7	17	0	0	0	0	0	2	11	14	4	0	1	22	6	2	1	5	10	5	4	2	0	2	0	2
	18	28	1013.9	—	38.1	1.4	6.8	87	7.8	4	0	3	7	17	0	2	0	0	1	2	8	16	2	0	2	20	9	0	3	5	11	5	5	1	1	1	0	
Lincoln. Cranwell H	1	240	1014.7	—	33.2	0.4	6.2	95	7.9	5	1	2	0	23	0	1	2	0	3	8	11	3	3	0	0	9	17	5	1	7	10	4	1	1	1	1	3	
	7	240	1014.4	—	33.1	0.3	6.2	96	8.2	1	2	4	3	21	0	2	3	1	3	5	11	4	2	0	0	11	15	5	1	5	8	8	1	0	0	3		
	13	240	1014.4	—	35.5	0.9	6.5	90	8.0	4	2	1	6	18	0	2	0	0	3	5	14	3	4	0	0	6	22	3	1	5	9	7	2	0	1	3		
18	240	1014.7	—	33.6	0.5	6.3	94	7.4	4	2	4	2	19	0	1	0	4	1	6	15	3	1	0	0	5	23	3	3	7	7	8	0	1	1	1	1		
3. ENGLAND, E.																																						
Norfolk. Cromer ...	9	74	1014.3	—	36.5	1.2	6.6	88	7.7	0	6	1	8	16	0	0	1	0	0	1	15	3	10	1	1	9	21	0	1	2	13	8	2	2	1	2	0	
Norfolk. Yarmouth...	1	26	1013.6	—	38.3	1.3	6.8	88	7.7	2	3	5	2	19	0	0	1	0	0	1	18	10	1	0	2	17	10	2	0	7	10	5	4	1	1	1	1	
	7	26	1013.4	+1.6	37.3	1.2	6.6	89	8.3	2	2	5	20	0	0	0	0	0	2	19	10	0	0	1	17	11	2	2	2	11	6	3	1	3	1	1		
	13	26	1013.6	—	38.7	1.4	7.1	87	8.0	3	1	4	4	19	0	0	0	0	4	0	18	9	0	0	2	15	14	0	1	6	10	3	4	2	4	1	1	
	18	26	1013.8	—	37.5	1.2	6.6	89	8.1	4	1	2	2	22	0	0	1	0	0	1	23	6	0	0	2	17	10	2	0	6	10	4	3	3	2	1	0	
Suffolk. Felixstowe Aero.	7	20	1013.3	—	37.4	1.4	6.5	85	8.4	1	3	2	3	22	0	0	0	0	3	5	11	8	4	0	0	16	13	2	3	8	6	6	3	2	1	0		
	13	20	1013.5	—	38.3	1.8	6.5	83	7.7	2	4	2	7	16	0	0	1	0	4	7	5	7	6	1	0	17	12	2	1	10	4	5	5	1	1	2		
	18	20	1013.8	—	37.7	1.7	6.5	83	7.9	4	2	0	4	21	0	0	1	0	0	5	8	13	4	0	0	17	13	1	2	8	8	5	2	1	2	2		
Cambridge. Cambridge H	9	43	1012.9	-0.1	35.3	0.7	6.7	93	7.6	4	2	2	7	16	—	—	—	—	—	—	—	—	—	—	—	0	4	26	1	0	11	13	2	3	0	1	0	
	21	43	1013.0	0.0	34.9	0.8	6.5	92	7.3	7	1	0	3	20	—	—	—	—	—	—	—	—	—	—	0	2	24	5	1	11	7	2	3	0	1	1		
Hertford. Rothamsted	9	396	1012.6	—	34.1	0.4	6.3	96	8.7	1	1	2	8	19	0	1	1	2	4	11	12	0	0	0	0	6	16	9	2	11	5	2	1	0	1	0		
Essex. Shoeburyness H	7	14	1012.6	—	36.0	0.5	7.1	95	7.4	1	5	6	2	17	0	0	0	0	4	5	10	8	4	0	0	15	16	0	4	6	8	6	0	3	1	3		
	13	14	1012.7	—	38.3	0.9	7.4	91	7.6	2	4	2	7	16	0	1	0	0	1	4	10	7	8	0	0	17	12	2	2	6	6	6	6	1	0	2		
	18	14	1013.1	—	36.8	0.7	7.1	92	7.3	4	3	2	3	19	0	1	0	0	1	7	5	9	8	0	1	15	11	4	3	6	6	6	3	2	0	1		
4. MIDLAND COUNTIES.																																						
York, W. Riding. Harrogate ...	7	478	1014.8	—	33.2	0.5	6.0	95	8.2	0	5	2	3	21	0	0	2	4	2	9	5	7	2	0	0	1	19	11	1	4	6	5	2	0	2	0		
	13	478	1014.8	—	34.9	1.1	6.1	89	8.2	1	3	2	7	18	0	1	2	4	1	11	3	4	5	0	0	2	23	6	1	4	6	8	4	0	2	0		
	18	478	1015.1	—	33.6	0.7	6.2	93	7.6	4	3	1	2	21	0	2	1	0	1	17	2	8	0	0	0	2	20	9	2	7	3	5	4	0	1	0		
Nottingham. Nottingham	9	215	1013.5	—	35.1	1.4	5.9	85	9.1	0	1	2	5	23	0	3	11	10	6	0	1	0	0	0	0	11	20	0	8	11	6	2	2	0	2	0		
Warwick. Birmingham H	7	542	1013.0	—	34.4	1.1	6.1	88	8.2	3	1	1	6	20	0	1	0	5	5	6	7	3	4	0	0	8	23	0	1	9	8	9	3	0	0	1		
	13	542	1012.9	—	35.7	1.4	6.3	85	7.7	2	2	3	7	17	1	1	2	9	5	9	4	0	0	0	0	9	21	1	1	7	8	7	6	0	0	1		
	18	542	1013.4	—	35.2	1.3	6.2	85	7.5	6	1	0	4	20	0	1	1	5	8	10	4	2	0	0	0	9	21	1	1	9	10	7	2	1	0	0		
Oxford. Oxford ...	9	212	1012.9	-0.7	35.1	1.3	6.0	87	8.1	1	2	4	7	17	0	1	2	2	5	6	11	0	4	0	0	7	20	4	1	10	6	6	3	0	0	1		
Hereford. Ross-on-Wye H	7	226	1011.7	—	35.4	1.1	6.4	87	9.2	0	1	2	4	24	0	0	2	3	3	6	10	7	0	0	0	9	19	3	1	5	13	3	3	3	0	0		
	13	226	1011.7	—	37.4	1.7	6.6	83	7.7	2	2	4	8	15	0	0	2	2	2	5	13	5	2	0	0	8	23	0	2	5	11	5	2	3	2	1		
	18	226	1012.2	—	35.8	1.4	6.4	85	7.8	3	4	0	4	20	0	0	3	2	5	9	8	4	0	0	0	7	22	0	1	7	13	4	2	1	1	0		
	21	226	1012.5	—	35.2	1.2	6.3	87	8.1	3	2	1	5	20	0	1	2	2	6	10	8	2	0	0	0	7	22	2	1	6	14	1	3	1	3	0		
Gloucester. Cheltenham H	9	230	1012.5	—	36.2	1.6	6.3	84	8.2	2	1	5	5	18	0	1	1	4	0	2	18	5	0	0	0	1	26	4	0	4	10	8	2	2	1	0		
	21	230	1012.3	—	35.8	1.6	6.2	83	7.6	6	1	1	2	21	0	0	3	2	0	1	19	6	0	0	0	1	23	7	0	4	8	8	1	1	2	0		
5. ENGLAND, S.E.																																						

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of DECEMBER, 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				DIRECTION.									
										0	1 to 3	4 to 6	7 to 9	10	Fog.			MIST.	POOR VIS.	MOD. VIS.	GOOD VISIBILITY.			8 or more	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
5. ENGLAND, S.E.—cont.																																					
Kent.	Biggin Hill H	7	616	1012.1	—	33.5	0.2	6.6	97	8.1	3	2	1	3	22	0	0	0	3	3	11	13	1	0	0	1	8	20	2	0	11	6	5	3	4	0	0
		13	616	1011.8	—	36.2	0.7	7.0	93	8.0	1	3	3	8	16	0	1	0	4	0	5	16	5	0	0	0	7	24	0	1	11	4	7	4	4	0	0
		18	616	1011.7	—	34.3	0.5	6.6	94	7.5	5	2	2	2	20	0	0	1	3	2	12	12	1	0	0	0	9	21	1	1	12	3	6	2	5	1	0
Kent.	Dungeness ...	1	21	1011.6	—	38.4	1.6	6.6	85	7.9	2	2	3	7	17	0	0	0	0	0	1	10	14	6	0	4	8	19	0	2	4	9	8	4	3	1	0
		7	21	1011.2	-1.9	37.8	1.3	6.8	88	8.3	0	3	4	6	18	0	0	0	0	0	1	13	11	6	0	3	12	15	1	2	5	9	6	5	1	2	0
		13	21	1011.6	—	39.7	1.6	7.2	86	7.5	2	2	6	7	14	0	0	0	1	0	1	6	13	9	1	2	12	17	0	2	4	9	8	3	3	1	1
18	21	1012.4	—	39.2	1.8	6.8	83	7.1	4	2	5	4	16	0	0	0	0	1	0	10	13	7	0	3	10	18	0	0	6	10	6	3	3	2	1		
Kent.	Lympe H	1	343	1012.2	—	35.5	1.2	6.4	87	7.6	4	3	0	6	18	0	0	1	0	0	3	14	8	5	0	1	14	15	1	4	10	8	3	2	1	1	1
		7	343	1011.9	—	35.0	1.0	6.4	88	8.6	1	1	4	5	20	0	1	0	1	2	5	12	8	2	0	18	11	2	4	8	7	5	0	2	0	3	
		13	343	1012.0	—	37.4	1.6	6.7	84	7.7	3	2	2	11	13	1	0	1	0	1	8	10	5	2	0	1	13	17	0	5	10	6	3	4	1	0	2
18	343	1012.3	—	35.9	1.2	6.5	86	7.8	4	3	0	2	22	1	0	0	0	1	14	5	6	4	0	0	16	15	0	7	10	6	2	3	1	1	1		
Kent.	Tunbridge Wells	9	396	1012.8	—	35.4	0.5	6.5	95	8.0	1	3	3	5	19	0	1	1	1	14	10	1	3	0	0	4	27	0	4	11	4	8	3	1	0	0	
Sussex.	Brighton H	9	48	1012.1	—	37.9	0.8	7.5	92	7.6	1	5	2	8	15	0	0	1	2	2	10	13	3	0	0	3	21	7	4	12	3	2	3	0	0	0	
Sussex.	St. Leonards	9	174	1012.8	—	37.7	1.3	6.8	88	8.3	1	1	4	8	17	0	0	0	1	1	1	8	12	8	0	2	8	21	0	3	11	6	4	2	4	1	0
		21	174	1012.2	—	37.9	1.4	6.8	87	7.4	4	2	2	5	18	0	0	0	0	0	2	8	15	6	0	3	8	20	0	2	9	10	3	1	5	1	0
I. of Wight.	Ventnor (Hosp.)	9	80	1011.4	—	39.8	1.3	7.4	88	8.5	1	1	2	11	16	—	—	—	—	—	—	—	—	—	—	0	14	17	0	2	7	9	5	1	3	4	0
		15	80	1010.8	—	40.7	1.5	7.6	87	8.4	1	2	1	7	20	—	—	—	—	—	—	—	—	—	—	—	0	15	16	0	2	8	8	4	3	4	2
Hampshire.	Calshot ...	1	15	1011.4	—	38.3	1.5	6.8	85	7.9	3	3	2	1	22	0	0	0	0	0	0	13	11	7	0	0	17	13	1	3	12	7	4	1	1	2	0
		7	15	1011.2	—	38.2	1.3	6.9	86	8.8	0	1	2	12	16	0	0	0	0	0	0	13	16	2	0	0	16	14	1	3	12	7	2	1	3	1	1
		13	15	1011.4	—	40.0	1.8	7.0	82	8.0	1	3	3	8	16	0	0	0	0	2	2	17	9	1	0	0	22	9	0	1	10	10	2	2	2	3	1
18	15	1011.7	—	38.8	1.6	6.8	84	8.4	1	3	1	6	20	0	0	0	0	0	1	15	12	3	0	0	19	12	0	4	13	7	2	0	4	1	0		
Hampshire.	Southampton H	9	84	1011.8	-2.4	37.9	1.1	7.2	88	8.2	1	2	3	4	21	0	1	1	6	7	13	3	0	0	0	10	21	0	2	13	8	4	0	2	1	1	
		21	84	1012.2	-2.0	37.7	1.2	7.1	88	8.0	2	1	3	3	22	0	0	1	2	10	15	3	0	0	0	13	18	0	2	16	5	3	1	3	1	0	
Hampshire.	S. Farnborough H	7	256	1011.8	—	34.6	0.7	6.3	91	8.2	1	3	4	2	21	0	0	1	1	4	8	14	2	1	0	6	23	2	3	10	8	2	4	0	1	1	
		13	256	1011.8	—	38.6	1.8	6.7	82	7.5	1	5	4	7	14	0	0	1	2	5	18	4	0	0	0	11	19	1	5	7	9	3	4	0	2	0	
		18	256	1012.2	—	35.7	1.1	6.2	87	7.3	5	4	0	1	21	0	0	2	0	5	7	15	2	0	0	8	21	2	3	10	8	3	2	2	1	0	
Hampshire.	Winchester (Worthy Down)	7	273	1011.4	—	35.4	0.8	6.4	92	8.6	0	1	3	9	18	0	0	0	3	4	3	9	11	1	0	9	21	1	9	5	8	3	2	1	0	2	
		13	273	1011.4	—	38.3	1.6	6.7	85	7.9	1	4	3	5	18	0	0	0	2	4	12	7	6	0	0	11	19	1	7	7	5	5	3	1	1		
		18	273	1011.8	—	36.2	1.1	6.4	89	8.1	2	3	2	2	22	0	0	0	3	1	5	7	11	4	0	0	8	23	0	10	9	5	2	3	0	2	
Wl'ts.	Larkhill H	9	444	1011.5	—	35.1	0.7	6.7	91	8.8	1	0	2	10	18	0	1	0	0	2	4	9	11	4	0	14	17	0	1	10	7	6	4	2	1	0	
		13	444	1011.2	—	37.4	1.2	6.9	87	8.4	1	2	4	4	20	0	0	0	3	2	8	10	8	0	0	19	11	1	1	7	8	6	5	1	0	2	
		15	444	1011.3	—	36.9	1.3	6.8	87	8.5	1	1	2	9	18	0	0	0	1	3	3	6	7	11	0	18	12	1	3	7	8	6	3	2	1	0	
7a. ENGLAND, N.W.																																					
Cumberland.	Aspatria (Mealsgate)	9	485	1014.2	—	36.0	1.5	6.1	85	7.7	4	1	3	4	19	—	—	—	—	—	—	—	—	—	—	0	1	26	4	0	5	2	15	4	0	0	
		21	485	1014.4	—	34.1	1.2	5.8	87	5.6	11	2	2	1	15	—	—	—	—	—	—	—	—	—	—	—	0	4	20	7	0	6	3	9	5	1	0
Lancashire.	Hutton ...	9	86	1013.4	—	36.1	1.4	6.2	86	8.4	0	3	3	5	20	—	—	—	—	—	—	—	—	—	—	0	2	9	20	1	1	4	5	0	0	0	
Lancashire.	Southport H	9	42	1013.8	+2.5	35.4	1.2	6.3	87	8.1	0	6	2	0	23	0	0	0	4	10	11	5	0	1	0	14	17	0	1	3	14	11	2	0	0	0	
		13	42	1013.4	+2.4	37.5	1.9	6.4	82	7.4	0	6	4	3	18	0	0	0	1	7	15	5	1	2	0	17	13	1	0	4	12	12	2	0	0	0	
		17	42	1013.8	+2.8	35.9	1.4	6.3	85	7.9	1	5	3	0	22	0	0	1	2	12	12	3	0	1	0	11	18	2	0	3	14	9	3	0	0	0	
		21	42	1014.0	+2.6	35.3	1.1	6.3	89	8.0	0	5	3	1	22	0	0	1	1	9	17	2	0	1	0	10	19	2	0	7	12	9	1	0	0		
Lancashire.	Stonyhurst	9	381	1014.6	—	35.0	1.3	6.0	87	8.3	2	2	1	7	19	0	0	0	0	0	17	12	2	0	0	1	29	1	4	13	10	2	0	0	1	0	
		21	381	1014.6	—	34.9	1.4	5.9	85	7.6	5	2	1	1	22	0	2	0	1	2	9	9	8														

TABLE IV. (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Month of DECEMBER, 1927.

Main data table with columns for District, County and Place, Hour of Observation, Mean Pressure, Temperature and Humidity, Cloud Amount, Visibility, and Wind, Number of Observations. Includes sub-sections for South Wales, England, Ireland N., Ireland S., Channel I. & Scilly, and Malta.

* Mean of hourly readings.

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulæ of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich, where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit .04 inch or 1 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (i.e., snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7h. or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorm" includes any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol § is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office which are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles
5	" 1½ miles " " 2½ "
6	" 2½ " " 3½ "
7	" 3½ " " 4½ "
8	" 4½ " " 6½ "
9	" 6½ " " 31 "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Douglas (20), Armagh (26), Balbriggan (25), Lisburn (24), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II, Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

D.M.O. S.H. Ken

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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SUMMARY FOR THE YEAR 1927.

Climatological Section.

Table of contents for the Climatological Section, listing various tables and their page numbers, such as 'REMARKS ON THE WEATHER OF THE YEAR' on page 169 and 'TABLE IV.—Summary for 1927 of the Observations of Pressure, Temperature, Humidity, Cloud, Visibility and Wind at fixed hours of the Day' on page 179.

Wind Section.

Table of contents for the Wind Section, listing tables such as 'TABLE X.—Particulars of Anemographs' on page 190 and 'TABLE XIV.—Dates of gusts of "storm" force' on page 193.

A WET YEAR WITH A DULL AND WET SUMMER.

General.—The outstanding features of the year 1927 were the persistent rain, thunderstorms, floods and lack of sunshine during the summer months and early autumn, June–September inclusive, and the excessive wetness of the year as a whole. To find a summer which in respect of persistent wetness and lack of sunshine can compare with that of 1927 it is necessary to go back to the "black year" of 1879.

Apart from wintry weather during the third week of the month, JANUARY on the whole was rather mild with a marked prevalence of westerly winds, wet except in coastal districts in the east of Great Britain, and windy, extremely stormy weather prevailing about the middle of the month and between the 26th and 29th. In FEBRUARY anticyclonic weather accompanied by an unusual prevalence of fog prevailed generally up to the 19th with low temperatures from about the 8th to the 13th; thereafter conditions were mild and unsettled, with excessive precipitation in the southern half of England and Wales. MARCH was wet in England and Wales and in Ireland and very mild generally with a brief warm spell about the 19th, when maximum temperatures reached or exceeded 60°F. An unsettled period early in the month with frequent rain and showers of hail, sleet and snow, fine warm weather from the 18th to the 21st, and cold but sunny weather with severe local ground frost during the last week of the month were the main features of the weather of APRIL. MAY was a quiet month with a considerable frequency of winds between north-west and north-east, relatively dry in most districts, cool in the north and warm in the south and sunny in the west of Scotland and in the south-east of England. A notable feature was the short warm spell about the 7th, when maximum temperatures between 70°F. and 80°F. were recorded. Apart from generally fair weather from the 11th to the 15th and rather high temperature between the 15th and 17th, cold unsettled weather with local thunderstorms prevailed during JUNE, with much heavy rain and high winds during the last two weeks. JULY was thundery and unsettled generally and dull and wet in England and Wales, severe thunderstorms and heavy rain being experienced from the 10th to the 13th in the south-east of England. Apart from a few fine days at the beginning and end of the month, the weather during AUGUST was unsettled and wet except in the extreme north-west of Scotland, where the month was relatively dry and sunny. Excepting a few fine, warm days at the beginning of the month, the weather during SEPTEMBER was unsettled, extremely wet and rather cold with many thunderstorms and frequent strong winds from the 6th onwards. In OCTOBER, apart from heavy rain on the first two days, mainly fine dry anticyclonic weather with much local morning and evening fog prevailed generally up to the 12th. Conditions then became unsettled, and from the 21st to the end of the month unsettled weather with frequent rain prevailed widely, the last week being abnormally mild with destructive gales on the 28th–29th. The first few days of NOVEMBER were unusually warm; then ensued a spell of wintry weather and northerly winds from the 7th to the 14th. Following a temporary renewal of mild and rainy weather, strong easterly winds and overcast skies were experienced from the 18th to the 21st. From the 22nd to the 28th quiet cloudy weather with much fog occurred in the Midlands and in the south-east of England, while in the north and west strong south-westerly winds and unsettled weather prevailed.

Heavy rain occurred in southern England on the 29th. DECEMBER for the most part was dull and wintry with an unusual prevalence of easterly winds and severe snowstorms from the 24th–27th.

Pressure and Winds.—The mean pressure for the year was below the normal at all stations. The mean pressure for JANUARY was everywhere below the normal. There was a marked prevalence of westerly winds. The month was stormy, gales occurring locally on the 2nd, 4th and 10th, widely on the 12th and 13th and from the 26th to the 29th. The distribution of the mean pressure for FEBRUARY was largely influenced by the anticyclonic conditions which prevailed during the greater part of the first three weeks of the month; mean pressure was above the normal in nearly all districts, the prevailing winds being southerly and mostly light to moderate. The mean pressure for MARCH was below the normal at all stations. The prevailing winds were south-westerly. High winds, reaching gale force locally, occurred widely during the period 2nd to the 5th and around about the 25th and in the southern districts of England and Ireland on the 30th and 31st. Monthly means of pressure in APRIL were generally below the normal in Scotland, the northern districts of England, Wales and Ireland and above the normal in the southern districts. Winds were mostly westerly to north-westerly, there being a notable absence of easterly winds. High winds occurred during the first week and on the 22nd, 23rd, 25th and 27th. Pressure during MAY was relatively high over the British Isles, monthly means being above the normal at all stations. Winds were mainly moderate to light, there being an almost complete absence of gales. There was a considerable frequency of winds between north-west and north-east. The mean pressure for JUNE was everywhere decidedly below the normal. The prevailing winds were westerly and from the 16th to the 26th high winds and gales were widespread. Monthly means of pressure were below the normal in JULY. Winds were mostly light to moderate. Monthly means of pressure were markedly below the normal in AUGUST. The prevailing winds were south-westerly; high winds, reaching gale force locally, occurred frequently between the 6th and 31st. SEPTEMBER was a month of markedly low mean pressure and was the fourth consecutive month in which monthly means of pressure were below the normal. The prevailing winds were westerly, high winds occurring frequently from the 6th–30th and attaining gale force on the 8th, 9th, 23rd, 24th and 29th. Monthly means of pressure were above the normal in OCTOBER. Winds were generally south-westerly to westerly, but in the eastern districts there was a considerable frequency of northerly winds. Gales occurred on the 2nd, 22nd, 23rd, and between the 25th and 29th. Monthly means of pressure were above the normal in all districts in NOVEMBER. The prevailing winds were south-westerly to westerly, though there was a considerable proportion of northerly and easterly winds. Strong winds occurred during the first few days of the month and reached gale force locally on the 5th and 6th. The periods 18th–23rd and 25th–28th were stormy in many districts. In DECEMBER monthly means of pressure were above the normal in the northern half of the British Isles and below in the southern half. There was an almost complete absence of westerly and an unusual prevalence of easterly winds; at Southport winds from easterly points were more prevalent than in any month during 56 years' observations. Strong winds and gales occurred about the 5th, in south-western districts from the 10th to the 12th and about the 18th, and widely from the 25th to the 29th.

Noteworthy Gales.—The dates of occurrence of the principal gales of the year are given in the following table. The tracks followed by the depressions associated with these gales are indicated by letters which are those assigned to them on the track charts published in the separate monthly issues.

Date.	Track.	Area Affected.
January 12-13	J	All districts except eastern districts of Great Britain.
January 28	I	British Isles generally.
June 21	L	Scotland and North Ireland.
October 28-29	Q	British Isles generally.

Widespread gales on the 12th and 13th were associated with the passage of the depression (Track J) across Scotland; gusts exceeding 70 m.p.h. were recorded at Fleetwood, Southport and Holyhead on the night of the 12th and at Quilty and St. Mary's (Scilly) on the 13th. The severe gale on January 28th which was associated with a deep depression off the north-west coast of Ireland affected the greater part of the British Isles but was most severely felt in the north-west. At Dunfanaghy, on the north coast of Donegal, the wind attained the force of a hurricane for a brief period during the afternoon of the 28th; several gusts exceeding 100 m.p.h. were recorded between 1 p.m. and 2 p.m. and in a gust at 1.40 G.M.T. the wind attained the remarkable velocity of 109 m.p.h. At Tiree, off the west coast of Scotland, several gusts exceeding 90 m.p.h. occurred between 3 p.m. and 4 p.m. on the 28th, the highest recorded being 108 m.p.h. at 3.30 p.m. (direction, 240° from north). At Paisley and at Edinburgh the wind attained in a gust a velocity of 104 m.p.h. and 84 m.p.h. respectively, the highest values on record at these stations. The storm caused considerable structural damage involving the loss of human life in some places. In the Highlands of Scotland thousands of trees were uprooted.

Severe gales in northern Ireland and Scotland on June 21st were associated with the passage of a deep depression across Scotland, the wind attaining in a gust a velocity of 87 m.p.h. at Dunfanaghy and 71 m.p.h. at Paisley. The gale caused considerable damage in some districts of Scotland. Violent and widespread gales, the severest experienced since January 28th, 1927, were associated with a deep and vigorous depression which traversed rapidly the north of Ireland and the south of Scotland on the afternoon of October 28th and the morning of the 29th. In the south-western districts of the British Isles gusts exceeding 75 m.p.h. were recorded at exposed coastal stations in the afternoon and evening of the 28th; at Southport the mean velocity for the hour 23h. 30m. on the 28th to oh. 30m. on the 29th was 70 m.p.h. and in at least three separate gusts the wind attained a velocity of 96 m.p.h. At Fleetwood a gust of 78 m.p.h. was recorded shortly after midnight on the 28th and along the whole length of the Fylde coast the storm, coinciding with a spring tide, produced a sea of unparalleled height. About 2 square miles of low-lying ground in the Fleetwood area was flooded by a volume of water estimated at nearly 4½ million tons. Many lives were lost through buildings, etc., being blown down and in the west of Ireland many small fishing craft were destroyed with serious loss of life.

Telegraphic and telephonic communication were seriously interrupted as many lines were down.

Temperature.—Conspicuous general features of the seasonal variation in temperature during 1927 were an unusually mild March, a cold June, unusually high temperatures during the first few days of November and a spell of almost unbroken cold wintry weather during the second half of December. Conditions on the whole were mild during the first three months in Scotland and during the first five months in England and Wales and in Ireland. Monthly mean temperatures were above normal in July, except in the east of England, and in August and October, below the normal in June, September and December and about normal in November. For the year as a whole, the mean temperature was in general slightly above the normal. No spell of really hot weather relieved the general coldness of the summer and in most districts, the highest temperature attained during the year did not exceed 80°F. Over a wide area the hottest day of the year was July 10th, but in many south-western and western districts the highest temperature of the year occurred during the period August 5th to 8th, while in some districts in the west of Scotland and in Ireland, temperature reached its highest level early in May. The extreme temperatures were:—(England and Wales): 85°F. at Camden Square and Greenwich on June 16th, and 7°F. at Bungay on December 19th; (Scotland) 82°F. at Ruthwell on July 10th, 0°F. at Braemar on December 18th, and at Logie Coldstone on December 17th and 18th; (Ireland) 80°F. at Mountmellick on May 7th, and 19°F. at Armagh on December 8th.

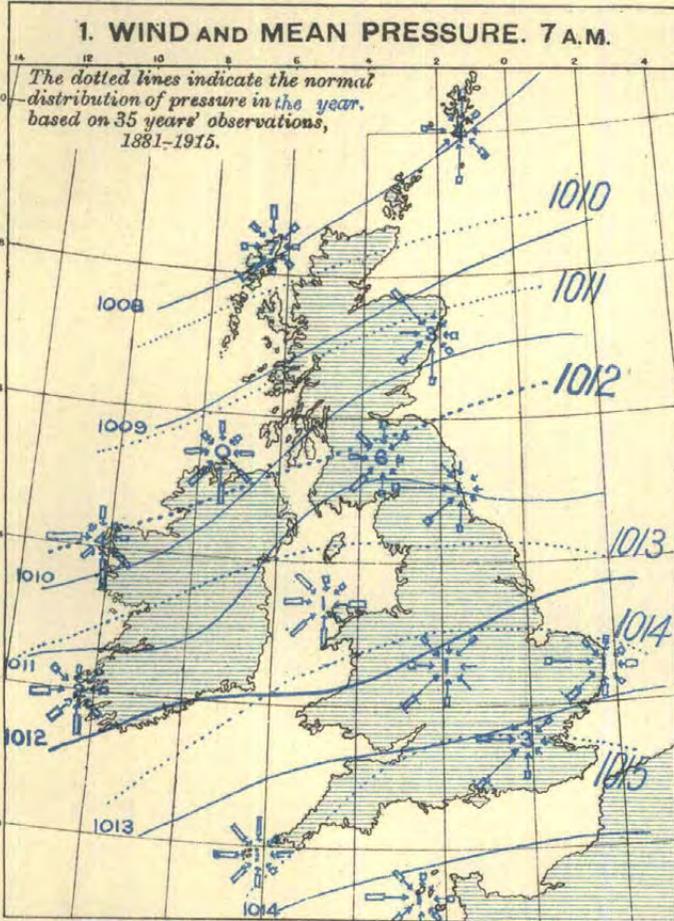
JANUARY on the whole was a mild month with the exception of low temperatures on the 4th and 5th and between the 13th and 23rd. FEBRUARY was mainly cold up to the 19th and thereafter mild, monthly mean temperatures being mostly about or above the normal. MARCH was unusually mild; in Scotland the month on the whole was the mildest March since 1893. In APRIL the mean temperature was above the normal in most English districts and in Ireland and below the normal in Scotland. Unusually severe ground frost for the time of year occurred during the last week of the month. MAY, on the whole, was cool in the north and warm in the south. Unusually high temperatures were recorded during the period 4th to the 9th. Low day temperatures occurred generally on the 10th and 11th and the 27th and 28th. Unusually severe frost occurred during the night of April 30th to May 1st, the temperature in the screen falling to 16°F. at Braemar and the temperature on the ground to 14°F. at Greenwich and Eskdalemuir. JUNE was decidedly cold and in Scotland was much the coldest June for at least 60 years; at Edinburgh it was the coldest June since 1764. Frost occurred in many districts during the early part of the month and some remarkably low screen temperatures for the time of year were recorded between the 9th and the 15th. An exception to the generally low temperatures occurred on the 16th, 17th and 18th; on the 16th maxima in England generally exceeded 75°F. at inland stations, a maximum temperature of 85°F. being recorded in London (Greenwich and Camden Square) on this day. The mean temperature for JULY was above the normal generally in Scotland and Ireland and in the western districts

of England and Wales and about normal elsewhere. Monthly mean temperature in AUGUST generally showed little divergence from the normal. The warmest days occurred at the beginning and end of the month, temperatures between 70° and 80°F. being widely recorded between the 3rd and the 7th and on the 29th, 30th and 31st. During the first few days of SEPTEMBER temperature was above the normal but after the 6th it was moderate or below the normal, the mean temperature for the month being below the normal in all districts, departures from normal generally ranging from 1°F. to 2°F. During the first half of OCTOBER day temperatures were mostly above the normal but during the third week northerly winds resulted in lower day temperatures with severe frost about the 21st. Subsequently the influx of warm equatorial air caused temperature to rise and from the 25th to the end of the month abnormally mild conditions prevailed generally, day temperatures exceeded 65°F. in many places, while the nights were unusually warm, screen minima of 55°F. and above being recorded in several places. The mean temperature for the month was above the normal in all districts. Monthly mean temperatures in NOVEMBER were about normal. Unusually high temperatures, exceeding the highest on record for November at many stations, were recorded during the first few days of the month, maximum temperatures of 60°F. and above being recorded widely on the 2nd and 3rd. On the 5th temperature began to fall and from the 7th to the 14th extremely cold wintry weather prevailed generally. The mean temperature was below the normal in all districts in December. A prominent feature of the weather of DECEMBER was the cold spell which commenced about the 12th and continued until the end of the month broken only by an interval of mild weather from the 21st to the 24th. The period 16th to the 20th was very cold generally and over a large area day temperatures during these five days did not rise above freezing point, while screen minimum temperatures below 20°F. were widely experienced. Severe ground frost occurred during the period 16th-20th; at Balmoral the temperature as recorded by the terrestrial radiation thermometer on the morning of the 17th was -4°F.

Precipitation.—The general precipitation of the British Isles expressed as a percentage of the normal for the period 1881-1915 was 118; the values for the constituent countries were: England and Wales 124, Scotland 114, Ireland 107.

The year 1927 was excessively wet; the wettest of the six consecutive wet years which have occurred since 1921. The values quoted above are, however, not unprecedented; in 1903 and again in 1912 the general precipitation of England and Wales were respectively 128 and 125 per cent. of the normal, while the percentage values for Scotland and Ireland were exceeded respectively in as recent years as 1923 and 1924. The general rainfall of the British Isles exceeded the normal in every month except May (which was the driest month of the year), October and December, but there was well marked excesses only in June, August and September, September being the wettest month of the year. A conspicuous feature of the year's rainfall was the heavy and persistent rain during the period June to September, which was wetter over the British Isles generally than similar periods in any year since 1879. The largest excess relative to the normal occurred over a considerable part of the Thames Valley within which the general rainfall for the year exceeded 140 per cent. of the normal. There were areas with less than the normal in the Western Highlands of Scotland and the Hebrides and in Ireland over a narrow belt extending from the Giant's Causeway to the centre of the island and in the extreme south-west of the island. Perhaps the most noteworthy rainstorm of the year was that which occurred in London during the afternoon thunderstorm of July 11th, where more than 3 inches were measured, 2 inches falling in little more than half an hour.

Except in coastal districts in the east of England and Scotland, rainfall totals in JANUARY were above the normal, the excess in most cases being well-marked. Except in Scotland, the northern districts of England and in Cornwall and over the greater part of Ireland, precipitation was above the normal in FEBRUARY, more than twice the normal being recorded in the London area. Totals were deficient in most districts in Scotland, and in some areas they represented less than half the normal. Monthly totals of precipitation in March were well above the normal in most districts of England and Wales and Ireland; in Scotland there was a decided deficiency in most northern districts but an excess in parts of the western districts and Perthshire, notably in south Ayrshire. In APRIL the general precipitation was above the normal in England and Wales and Scotland and below the normal in Ireland, the distribution varying rather irregularly. There were areas with rainfall less than the normal in the east and south of Scotland and in the north and south-west of England and Wales and in East Anglia, while in Ireland precipitation exceeded the normal over a small area in the north-west. MAY was relatively dry over the British Isles regarded as a whole with a pronounced deficiency in some eastern and south-western districts of England. In JUNE rainfall was almost everywhere in excess of the normal, more than twice the normal rainfall for the month being experienced in parts of south-east England, locally in the Midlands of England, in the centre of Wales and locally in south-west Scotland and western Ireland. The general precipitation of the British Isles was above the normal in JULY, but in eastern and some north-western districts of England and Wales, the northern districts of Scotland and in some central and western districts of Ireland there was a deficiency. Rainfall totals for AUGUST exceeded the normal except in some northern districts of Ireland and in the north and north-west of Scotland where there was a decided deficiency, notably in Orkney and Shetland. In some northern districts of England totals for August exceeded twice the normal; at Durham the month was the wettest August since observations commenced there in 1850. SEPTEMBER was very wet, except over a small coastal strip in Wicklow and Wexford, where the total rainfall for the month was slightly below the normal. In some southern districts of England more than three times the normal amount of rainfall was recorded. Heavy rain in the north of England around the 22nd was responsible for extensive flooding, causing considerable damage to crops and seriously affecting all agricultural work. At Edinburgh, September 1927 was the wettest month on record since AUGUST 1877, and the wettest September since 1785. October was relatively dry in England and Wales, less than 50 per cent. being recorded in areas in the south-east of England. In Scotland rainfall totals for October were below the normal in some border districts and in Shetland but in general there was an excess,

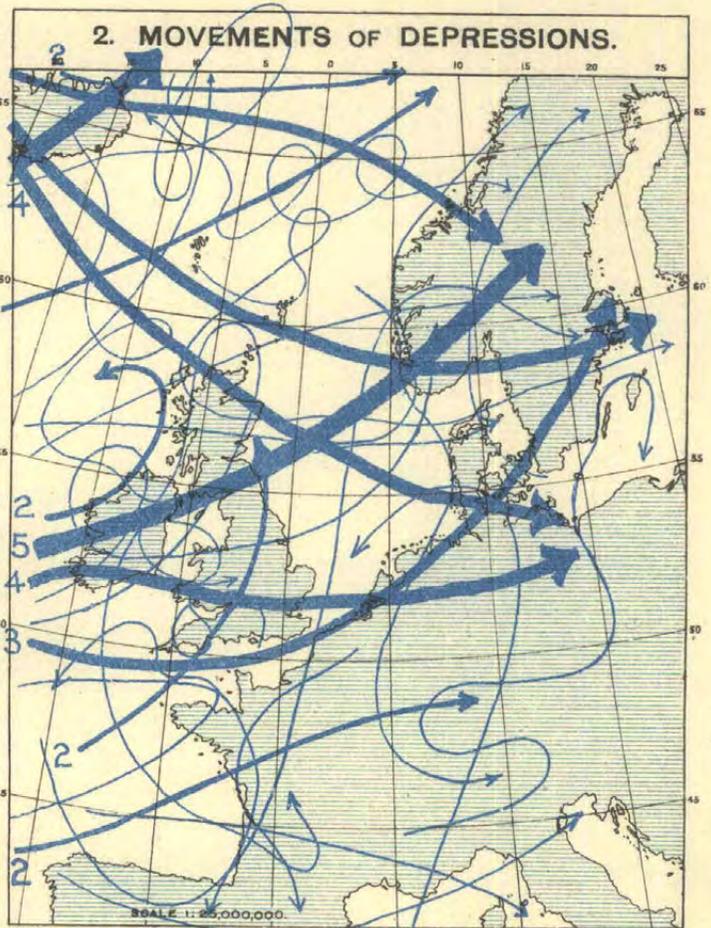


WIND ROSES. The arrows fly with the wind and indicate mean monthly frequency and force, thus:

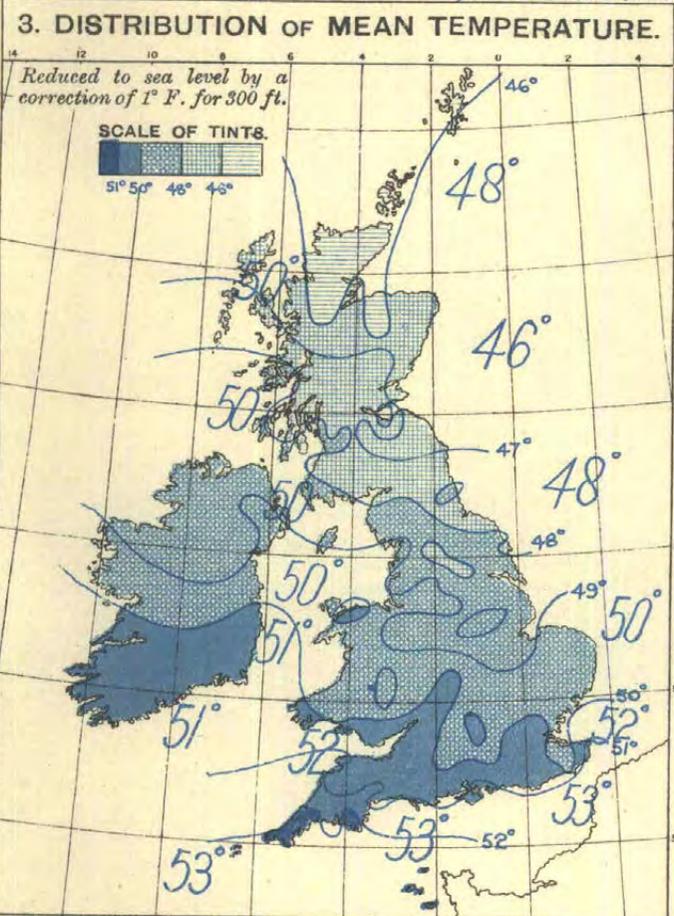
0	10	20	30	40	50	60	70	80	90	100
0	10	20	30	40	50	60	70	80	90	100

0 = 30 Obs. 1 inch = 1

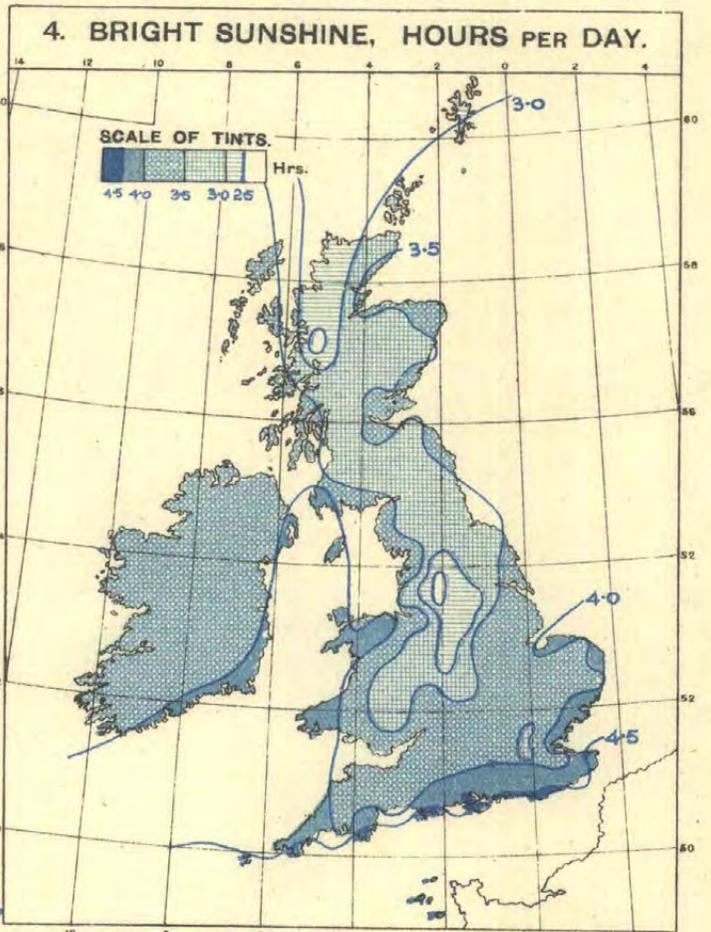
0 = LIGHT TO STRONG
1 = MODERATE
2 = GALE

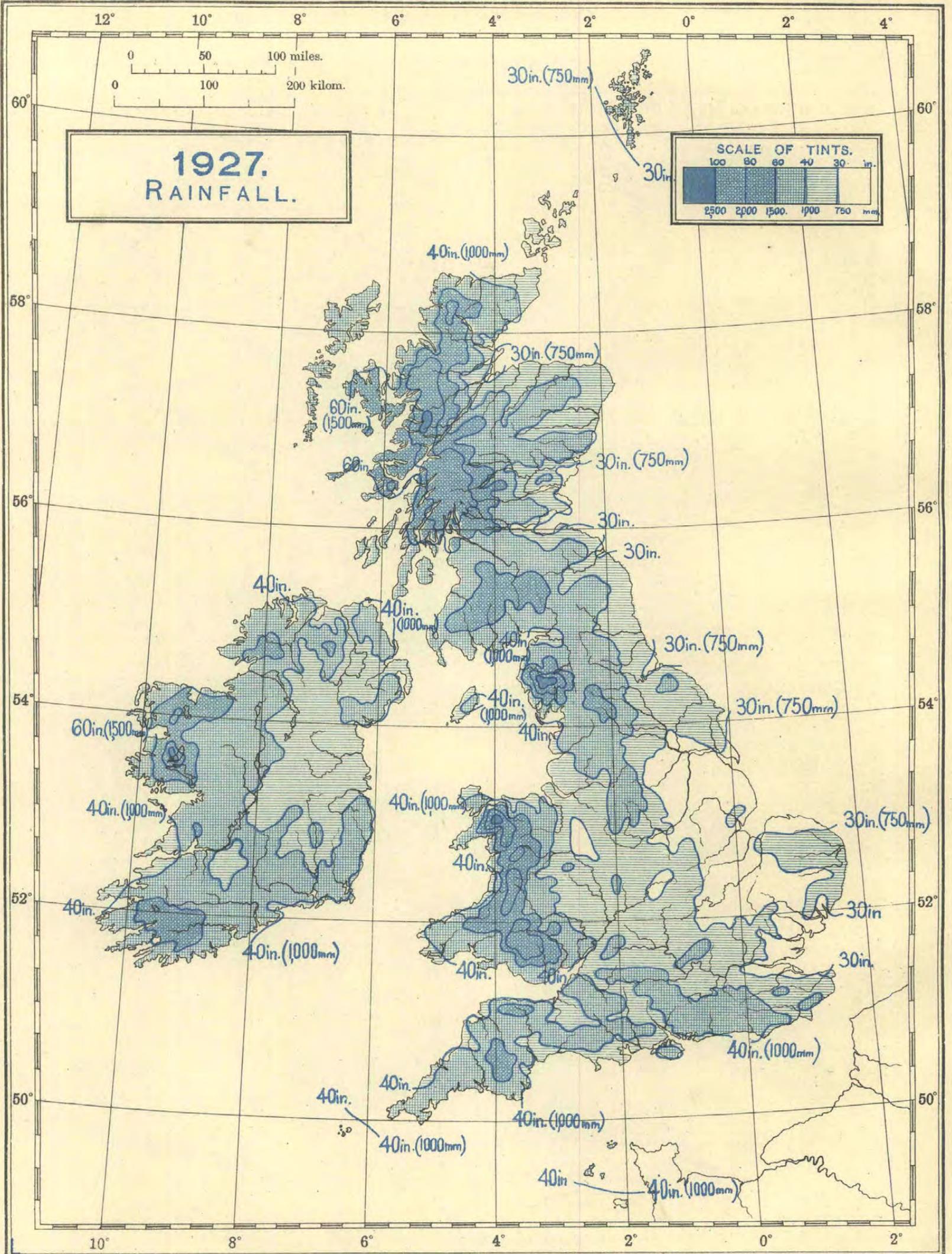


The figures indicate the number of depressions following each track. A number of tracks have been omitted.



Sea temperatures are shown in large figures, thus: 48





Scale 1 : 5,000,000.

flooding occurring in various districts on the 2nd, notably in the Greenock area and towards the end of the month. Monthly totals for OCTOBER were mostly below the normal in Ireland, except in some northern and eastern areas. Precipitation varied somewhat irregularly in NOVEMBER, but in general was above the normal in England and Wales and about normal in Scotland and Ireland. DECEMBER would have been a dry month in England and Wales but for the heavy rain followed by snow which fell during Christmas week; actually the general precipitation was only slightly below the normal. In Scotland the month's precipitation amounted to only 44 per cent. of the normal and was the driest December since 1890, while in Ireland monthly totals were below the normal except in coastal districts in the south-east and in parts of Tipperary and Kilkenny.

Snow.—In JANUARY, snow occurred in many districts in Great Britain on the 4th and 5th, and in some northern districts was associated on the 4th with strong winds reaching gale force in exposed places. Snow fell again rather widely about the 20th; in London the depth of snow on the 21st was 5½ inches. In FEBRUARY snow fell in many parts of the south of England on the 2nd and at one or two places on the 23rd and 24th; on the 2nd snow lay to a depth of 8 inches at Biggin Hill and to a depth of about 3 inches at Oxford, Hampstead and Rothamsted. No important snowstorms occurred during MARCH. Snow fell in northern districts on several occasions during the last week of APRIL; in some northern districts of Scotland conditions between the 25th and 27th amounted to a blizzard and the storm is reported to have been one of the worst on record. A notable fall of snow occurred on the evening of the 30th in the Lothians. Little snow occurred in MAY. In JUNE, snow fell on high ground in the north of Scotland early in the month and round about the 22nd. Most districts experienced snow during the cold spell of NOVEMBER 7th–14th and in Scotland during this period there were some heavy falls and very serious drifting locally. Severe snowstorms occurred during the last week of DECEMBER, and in many parts of the country extensive blocking of roads was caused by deep snowdrifts. Snowstorms reaching in severity the historic storms of January 1881, and March 1891, occurred on the night of the 25th–26th over nearly the whole of southern England and on the 26th and the night of the 26th to 27th in the south-eastern counties. The snow was of the soft clinging type and broke down numerous overhead wires and branches wherever there was shelter from the winds. Strong north-easterly winds reaching gale force locally in exposed places accompanied the snowfall and continued till the 29th, causing severe drifting with serious interruption of rail and road communication.

Thunder.—Thunderstorms occurred in each month of the year, but were most frequent and severe during the months May to September inclusive, particularly during July. On May 4th thunderstorms occurred over a very large area of the country, and in some parts the lightning and heavy rain accompanying the storm were responsible for damage to buildings and to farm and garden crops. In the northern districts of England thunderstorms on July 5th caused severe flooding and serious damage to crops. During the night of July 6th–7th the south-east of England was visited by a severe storm accompanied by heavy persistent rain; at Dover this storm was one of the worst experienced for many years. Severe storms swept over the country on July 11th, and in London the storm was accompanied by torrential rain which caused much damage by flooding in low-lying areas. In Scotland thunderstorms on August 5th and 9th resulted in serious flooding in central Perthshire and the Lothians, while the thunderstorm which visited the south and south-east of Scotland on September 7th was the worst in severity experienced for many years and caused extensive flooding particularly in the Lothians and border counties.

Sunshine.—The dullness of 1927 was reflected in the deficiency of annual totals of bright sunshine relative to the normal recorded in all districts of the British Isles with a few exceptions, principally confined to areas in the north and west of Scotland and in the north of Ireland, where an excess was reported. In England S.W. the mean daily duration of sunshine, computed from the records of a selection of representative stations, was below the normal in each month except in October, and in the Midland Counties was below the normal in each month except in January and April. Less than the normal amount of bright sunshine was recorded practically in all districts of England and Wales during each of the months June to September, July being everywhere conspicuously dull and September equally so in the southern and eastern districts. In contrast to the dull summer in England and Wales, sunshine was in excess during June, July and August in Scotland N. and during July and August in Ireland N.

In JANUARY, sunshine aggregates exceeding the normal occurred chiefly in the eastern district of Great Britain and Ireland. In FEBRUARY aggregates were below the normal in most English districts and above the normal generally in Scotland N. and E. and in Ireland. In MARCH and APRIL aggregates were mostly below the normal except in parts of Scotland and in the south-east of England. MAY was sunny in the south-east of England and in the west of Scotland. Sunshine aggregates were below the normal in all districts in SEPTEMBER. In OCTOBER, aggregates were about or above normal except in central England and in the London area. In NOVEMBER aggregates were above the normal generally except in southern and eastern England. Except in some northern districts aggregates were below the normal in DECEMBER.

Fog.—In JANUARY fog was most widely prevalent from about the 16th to the 24th, thick fog occurring in some London districts on the 17th, 20th and 23rd, and in the Glasgow area on the 18th and 20th. Fog, associated with anticyclonic conditions, was unusually prevalent and persistent during FEBRUARY, notably from the 11th to the 17th in the east and south-east of England and the eastern English Channel: except during brief periods on the 12th and 14th fog was continuous at Southend from the 11th to the 15th inclusive. Little fog occurred in MARCH, and, apart from local fog in coastal regions, during the months APRIL to SEPTEMBER. In OCTOBER quiet anticyclonic weather from the 3rd to the 12th favoured the development of fog, and in a few places the fog persisted throughout the day. In NOVEMBER dense fog was experienced over a wide area in southern England and the Midlands on the 26th and in several places, including many parts of London, persisted throughout the day. There were frequent occurrences of fog during DECEMBER but none of remarkable intensity.

Miscellaneous Phenomena.—Halo phenomena were recorded during each month of the year, the most frequently recorded being the halo of 22°. The Zodiacal Light was seen at one or two stations in southern England in January and March. Aurora was observed at northern stations, mostly in Scotland, in each month with the exception of June; it was observed as far south as Tenbury on May 19th, Oxford on December 28th, and London on the night of December 20th to 21st. Ball lightning was observed at Cattewater on March 23rd; the observer states that "at 23.45 G.M.T. there occurred a brilliant blue flash followed immediately by a crashing explosion resembling nothing so much as the bursting of high explosive." Some damage to property was done. Ball lightning is reported as having been seen at Harpenden (Herts) on June 25th. A severe earth tremor was experienced in the eastern districts of Scotland as far north as Baltasound about 5.20 G.M.T. on January 24th and another in western districts of Scotland on the morning of January 27th.

TABLE I.—DISTRICT VALUES FOR THE WHOLE YEAR, 1927. [1908].

DISTRICTS.	AIR TEMPERATURE.						EARTH TEMPERATURE.				RAINFALL.			SUNSHINE.			CLOUD Mean Amount (1-10)				PRESSURE AT MEAN SEA LEVEL.					
	Highest.	Lowest.	Means of				At 1 ft.	Deviation from Normal.	At 4 ft.	Deviation from Normal.	Total.	Deviation from Normal.	Number of Days.	Daily Mean.	Deviation from Normal.	Per cent.	1h.	7h.	13h.	17h.	18h.	21h.	High-est.	Date.	Low-est.	Date.
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.																				
0. SCOTLAND, NORTH	78	11	50.7	40.5	45.5	0.0	—	—	—	48.43	1230	-82*	233	3.11	+0.06	25	7.1	7.0	7.7	6.9	10.45	Dec.28	952	Jan.28		
Eastern.																										
1. SCOTLAND, EAST ..	78	0	51.3	39.5	45.2	-0.5	—	—	—	37.26	946	+152	232	3.47	-0.16	28	6.1	7.1	7.0	6.8	10.46	Dec.28	967	Jan.28		
2. ENGLAND, N.E. ..	80	11	53.5	41.8	47.5	+0.1	47.7	-0.1	48.2	+0.1	29.77	756	+110	198	3.49	-0.44	29	6.3	7.3	7.6	6.9	10.43	Dec.28	968	Dec.23	
3. ENGLAND, EAST ..	81	7	55.3	43.3	49.1	+0.7	50.5	-0.2	50.9	-0.2	30.60	777	+167	188	3.86	-0.46	32	6.0	7.0	7.0	6.6	10.38	Dec.28	969	Dec.23	
4. MIDLAND COUNTIES	82	12	54.8	42.1	48.2	+0.3	48.2	-0.1	48.5	0.0	32.64	829	+143	194	3.13	-0.69	26	—	7.3	7.6	6.8	10.41	Dec.28	967	Dec.22	
5. ENGLAND, S.E. ..	85	9	55.7	43.8	49.5	0.0	51.2	+0.5	51.9	+0.6	36.24	920	+211	190	4.18	-0.31	34	6.1	7.2	7.6	6.9	10.36	Feb.14	968	Dec.22,23	
Western.																										
6. SCOTLAND, W. (and I. of Man)	82	12	53.3	41.5	47.2	-0.1	—	—	48.6	0.0	52.69	1338	+128	228	3.61	-0.09	30	—	7.6	7.7	7.0	10.44	Dec.28	970	Mar.25 Dec.22	
7. ENGLAND, N.W. (and N. Wales)	82	10	53.6	43.3	48.3	+0.1	48.5	-0.1	49.0	-0.3	39.26	997	+ 96	213	3.65	-0.24	30	6.4	7.6	7.2	7.0	10.39	Dec.28	967	Dec.22	
8. ENGLAND, S.W. (and S. Wales)	80	11	55.2	44.5	49.7	+0.2	51.9	0.0	52.0	0.0	43.49	1105	+104	204	3.87	-0.41	32	6.6	7.3	7.4	6.9	10.38	Jan.10	965	Dec.22	
9. IRELAND, NORTH ..	78	19	53.9	43.1	48.3	+0.3	—	—	—	—	40.43	1027	+ 50	237	3.57	+0.06	29	5.9	6.9	7.0	6.5	10.42	Dec.28	962	Dec.22	
10. IRELAND, SOUTH ..	80	20	55.8	44.3	49.9	+0.4	50.1	-0.3	50.2	-0.3	43.14	1096	+ 65	226	3.79	-0.17	31	—	7.3	7.3	7.1	10.39	Jan. 9	962	Dec.22	
11. CHANNEL I. (and Scilly)	79	21	56.1	48.2	52.0	0.0	54.0	+0.8	54.2	+0.8	37.12	943	+ 95	206	4.67	-0.45	38	6.1	7.1	6.7	6.4	10.40	Jan. 9	966	Dec.22	
Mean: DISTRICTS 1-10 ..	85	0	54.2	42.7	48.3	+0.1	49.7	0.0	49.9	0.0	38.55	979	+123	211	3.66	-0.29	30	6.2	7.3	7.3	6.9	10.46	—	962	—	
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	hr.	hr.	%						mb.		mb.		

* This deviation is numerically too great and probably of the wrong sign because values for the wet area represented by Onich are not available for 1927, whereas that area is represented in the accepted district normal. If a suitable correction be applied on this account the deviation becomes +41 mm., a more probable value.

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1927. [1914].

The Summary showing the duration of Gales, High Winds, Fresh and Moderate Winds, and Calms and Light Airs, with Extreme Velocities, at anemograph stations, will be found as Table XI, p. 191, in the Wind Section.

TABLE III.—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE.							
	Max.	Min.	Rain.		Means of		Deviation from Normal.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precipitation.	Precipitation $\frac{1}{2}$ mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog.	Ground Frost.	Gale.	Hours per day.							
					A	B		Max.	Min.					Amount.	Date.										Daily Mean.	Deviation from Normal.	Per cent.					
	°F.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.											hr.	hr.	%				
0. SCOTLAND, N.																																
Shetlands.	Baltasound	9	9	9	31	49.2	40.6	44.9	—	74	23	45.3	—	44.28	1125	—	45	13	June	281	200	39	18	61	15	28	—	23	2.96	—	24	
	Lerwick	18	7	7	54	48.7	42.3	45.5	+0.7	68	24	—	—	42.96	1091	+127	39	1	Jan.	234	189	40	14	32	2	5	—	20	3.01	—	24	
Orkneys.	Deerness	21	21	9	160	48.9	41.3	45.1	-0.2	68	27	—	—	37.72	958	+57	30	23	Oct.	261	177	49	20	23	9	15	—	—	—	3.18	0.00	26
	Kirkwall	9	9	9	151	49.2	41.3	45.2	—	68	25	—	—	35.52	902	—	21	16	June	239	177	34	12	35	5	9	55	22	3.15	—	26	
Hebrides.	Stornoway	18	7	7	30	50.9	41.0	45.9	-0.1	71	17	—	—	50.99	1295	+29	35	23	Oct.	261	198	18	—	31	4	1	—	6	3.54	+0.09	29	
Caithness.	Wick	18	7	7	81	49.1	41.1	45.1	-0.3	68	18	—	—	30.29	769	+7	15	2	Oct.	251	181	42	5	30	2	12	—	5	—	—	—	
Ross and Cromarty.	Achnashellach	9	9	9	225	51.5	39.9	45.7	+0.5	78	14	—	—	85.74	2178	-51	55	2	Jan.	235	214	19	7	4	9	4	117	3	—	—	—	
	Fortrose	9	9	9	69	52.5	40.9	46.7	—	74	17	—	—	27.82	707	—	31	8	Sept.	201	143	18	19	1	7	3	—	2	3.74	—	31	
	Strathpeffer	9	9	9	125	52.4	38.9	45.6	-0.5	75	11	—	—	34.94	887	+111	28	22	Oct.	209	159	20	5	2	4	—	—	—	—	—	—	
Inverness.	Ft. Augustus	9	9	9	68	52.0	40.0	46.0	-0.2	74	14	—	—	45.72	1161	+38	32	3	Nov.	218	172	18	21	5	7	11	—	3	2.35	-0.21	19.8	
	Inverness	9	9	9	242	51.4	40.6	46.0	—	74	13	—	—	32.99	838	+157	27	11	Aug.	198	149	26	30	7	10	9	91	7	3.37	—	27	
1. SCOTLAND, E.																																
Nairn.	Nairn	18	7	7	82	51.0	40.2	45.6	-0.4	75	9	—	—	30.53	775	+140	32	22	Sept.	219	151	29	23	16	9	0	—	7	3.47	—	28	
Elgin.	Gordon Castle	21	21	9	104	52.7	39.9	46.3	-0.3	77	12	—	—	34.48	876	+119	46	22	Sept.	222	167	27	41	13	9	—	—	5	3.56	—	29.8	
Banff.	Banff	9	9	9	130	50.9	41.3	46.1	—	71	14	—	—	32.19	817	—	37	22	Sept.	213	151	25	2	17	7	0	103	3	3.56	—	29	
Aberdeen.	Aberdeen	24	24	24	46	50.6	41.4	46.0	—	72	17	—	46.8	33.51	851	+103	61	22	Sept.	223	161	40	17	33	6	13	81	0	3.34	-0.46	27	
	Balmoral	9	9	9	927	49.7	35.4	42.6	—	75	5	—	—	38.83	986	+147	40	22	Sept.	264	175	27	31	1	16	—	144	3	—	—	—	
	Braemar	21	21	9	1120	49.7	35.1	42.4	-0.9	74	0	—	—	32.71	831	-68	38	2	Oct.	183	160	35	41	1	8	—	144	2	—	—	—	
	Craibstone	9	9	9	300	50.4	39.7	45.1	—	72	16	45.5	45.9	37.55	953	—	66	22	Sept.	226	165	37	29	17	14	—	85	3	3.69	—	30.8	
	Logie Coldstone	9	9	9	608	51.0	36.6	43.8	—	75	0	—	—	36.39	925	+140	33	22	Aug.	236	172	30	35	2	9	—	197	0	—	—	—	
Forfar.	Arbroath	21	21	9	93	52.3	40.1	46.2	—	73	18	—	—	30.92	785	—	78	22	Sept.	185	134	25	12	5	9	14	123	4	3.74	—	31	
	Carnoustie	9	9	9	39	52.3	40.2	46.2	—	71	23	—	—	33.43	849	—	51	22	Sept.	221	155	25	7	3	11	—	1	3.57	—	29		
	Dundee E. Nec.	21	21	9	198	52.2	40.5	46.4	-0.1	78	19	—	—	34.83	885	+188	33	22	Oct.	208	156	14	3	0	9	—	11	—	—	—	—	
	Mayfield	9	9	9	147	53.1	41.0	47.0	—	78	22	46.9	—	33.84	859	—	35	22	Oct.	199	151	8	20	2	5	—	100	2	3.47	—	28	
	Kettins	9	9	9	218	52.9	38.9	45.9	—	76	14	47.0	—	34.51	876	—	30	22	Oct.	200	144	15	18	4	15	6	120	2	—	—	—	
	Montrose	9	9	9	16	51.7	40.7	46.2	—	73	20	—	—	30.12	765	—	72	22	Sept.	183	126	21	1	5	11	6	—	15	3.66	—	30	
Perth.	Crieff	21	21	9	478	52.2	39.3	45.7	-1.0	75	18	—	—	45.87	1165	+128	33	16	June	217	170	16	15	7	17	—	5	—	—	—		
	Perth	9	9	9	76	53.9	40.0	47.0	+0.4	78	15	—	—	34.23	869	+87	41	12	Aug.	202	138	37	9	10	21	—	24	3.62	—	30		
Fife.	Cupar	9	9	9	210	52.6	40.0	46.3	—	77	20	—	—	33.49	851	—	31	6, 22	Sept.	200	156	17	24	6	5	—	0	—	—	—		
	Inchkeith	18	7	7	190	51.6	43.5	47.6	—	72	28	—	—	28.49	724	—	42	6	Sept.	190	125	25	15	21	20	12	50	6	3.75	—	31	
	Kirkcaldy	9	9	9	66	53.1	41.8	47.4	—	76	22	—	—	36.07	916	—	46	6	Sept.	212	150	13	8	7	11	—	6	—	—	—		
	Leuchars	18	7	7	40	52.4	40.4	46.4	—	77	21	—	—	29.48	749	—	33	2	Oct.	191	133	23	12	25	10	7	116	4	3.72	—	30	
	St. Andrews	9	9	9	20	52.9	40.6	46.7	—	75	19	47.1	47.3	31.38	797	—	32	21	Sept.	191	143	14	0	7	4	103	3	3.54	—	29		
Linlithgow.	Bangour	21	21	9	587	50.9	38.7	44.8	—	72	14	—	—	36.43	925	—	40	21	Sept.	225	146	32	26	12	15	25	—	9	—	—	—	
Edinburgh.	Blackford Hill	21	21	9	441	51.8	41.4	46.6	+0.1	72	24	—	—	34.43	874	+246	53	22	Sept.	205	147	15	8	0	9	—	75	12	3.75	-0.02	31	
	Boghall	9	9	9	645	51.2	40.2	45.7	—	71	22	46.0	46.4	41.63	1057	—	78	22	Sept.	220	176	28	14	2	12	—	148	3	3.57	—	29	
	Edin. Univ.	9	9	9	227	53.0	42.9	48.0	—	73	27	47.2	48.1	34.77	883	+222	54	21	Sept.	197	142	—	—	—	—	—	—	—	—	—	—	
	Liberton	9	9	9	190	53.2	—	—	—	74	—	—	—	34.99	889	—	56	21	Sept.	190	141	11	0	6	10	—	4	—	—	—		
Haddington.	North Berwick	9	9	9	152	53.3	41.0	47.2	—	75	16	—	—	28.62	727	—	43	14	Aug.	190	135	16	13	4	7	5	87	6	3.49	—	28	
	Smeaton	9	9	9	100	53.9	39.8	46.9	—	75	20	47.2	—	32.91	836	+204	39	21	Sept.	187	157	13	6	2	10	—	131	6	—	—	—	
Berwick.	Marchmont	9	9	9	498	52.1	39.0	45.5	-0.1	75	20	—	—	40.60	1031	+214	56	8	Aug.	242	159	21	16	4	13	—	6	3.32	-0.32	27		
Peebles.	West Linton	9	9	9	770	50.9	36.8	43.8	+0.2	74	11	—	—	45.77	1162	—	42	21	Sept.	282	179	58	37	12	15	—	117	17	—	—	—	
Roxburgh.	Kelso (Br'ml'ds)	9	9	9	195	53.5	39.1	46.3	—	77	16	—	—	29.39	747	+85	44	21	Sept.	205	131	14	16	1	13	17	—	6	—	—	—	
	Wolfelee	9	9	9	537	51.6	37.8	44.7	—	75	9	—	—	43.58	1107	+151	51	21	Sept.	242	166	39	25	7	22	—	7	—	—	—		

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.										BRIGHT SUNSHINE.				
	Max.	Min.	Rain.		Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precipitation.	Precipitation 1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog.	Ground Frost.	Gale.	Hours per day.					
					A	B			Max.	Min.					Amount.	Date.										Daily Mean.	Deviation from Normal.	Per cent.			
	ft.	°F.	°F.		°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.												hr.	hr.	%		
MIDLAND COUNTIES cont.																															
Oxford.	Leaffield	18-7	7	612	53.0	41.2	47.1	—	78	17	—	—	36.68	932	—	44	14	Sept.	213	142	19	13	5	12	44	84	3	3.68	—	30	
	Oxford	9 9 9	208	55.9	42.9	49.4	+0.2	80	18	50.6	50.9	34.86	885	+254	39	14	Sept.	200	144	18	13	17	14	32	73	5	3.67	-0.46	30		
	(Sandford)	9 9 9	210	56.0	42.3	49.1	—	79	13	—	—	32.12	816	—	46	14	Sept.	176	129	9	11	3	13	38	105	5	3.58	—	29		
Bucks.	Mursley	9 9 9	490	54.7	40.9	47.8	—	80	15	48.6	49.5	32.96	837	—	46	14	Sept.	209	145	15	15	13	23	—	96	5	—	—	—		
Stafford.	Mayfield	9 9 9	374	53.8	39.8	46.8	—	77	18	—	—	38.88	988	—	26	14	Sept.	211	159	20	13	13	20	—	88	1	3.15	—	26		
Shropshire.																															
	Roden Well'n	9 9 9	207	55.1	39.6	47.3	—	74	12	—	—	28.07	713	—	25	11	July	200	148	13	6	1	8	—	—	5	—	—	—		
	Wellington	9 9 9	259	55.0	41.8	48.4	—	79	17	—	—	29.30	744	—	25	22	Oct.	189	142	13	7	5	12	—	90	4	3.40	—	28		
	Wistanstow	21 21 9	481	54.7	39.8	47.3	-0.8	78	17	—	—	33.95	862	+102	25	17	Aug.	184	151	—	—	—	—	—	87	—	—	—	—		
Worcester.																															
	Malvern	9 9 9	377	54.9	43.5	49.2	—	79	18	49.6	50.0	36.47	926	+225	39	14	Sept.	200	139	12	13	4	11	19	46	5	3.65	—	30		
	Tenbury	9 9 9	313	55.3	41.3	48.3	-0.2	80	16	49.2	—	30.52	775	+189	33	14	Sept.	184	138	16	17	11	14	—	109	—	—	—	—		
	Perdiswell	9 9 9	95	55.3	41.5	48.4	—	79	16	—	—	30.24	768	—	39	11	July	181	127	15	12	8	16	—	96	4	3.49	—	29		
Hereford.																															
	Bromyard	9 9 9	392	55.0	40.8	47.9	—	79	17	49.3	49.6	37.09	942	—	36	14	Sept.	189	136	10	15	6	7	50	77	3	—	—	—		
	Hereford	9 9 9	291	55.4	41.4	48.4	-0.3	79	15	—	—	33.83	859	+160	32	27	July	167	133	14	15	4	8	19	189	6	—	—	—		
	Ross-on-Wye	18-7	7	223	55.2	43.4	49.3	-0.1	78	19	49.9	50.6	34.51	877	+159	37	28	Jan.	191	135	13	6	6	13	35	77	4	3.53	—	29	
Gloucester.																															
	Cheltenham	21 21 9	214	56.1	43.4	49.7	+0.8	80	20	50.6	51.3	31.64	804	+131	31	14	Sept.	197	137	14	9	9	10	9	63	3	3.64	—	30		
	Clifton	9 9 9	225	55.3	44.4	49.9	-0.3	77	21	—	—	40.23	1022	+161	37	14	Sept.	210	159	7	6	0	1	22	37	0	3.67	-0.56	30		
	Overcourt	9 9 9	147	56.5	43.5	50.0	—	78	20	—	—	38.06	967	—	40	28	Jan.	203	158	11	7	4	5	—	—	2	—	—	—		
5. ENGLAND, S.E.																															
London.																															
	City, Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.22	+0.03	26	
	Camden Sq.	9 9 9	110	56.7	44.4	50.5	-0.1	85	21	49.9	50.2	33.84	859	+237	39	25	Dec.	182	136	8	9	5	11	—	75	—	—	—	—		
	East Ham	9 9 9	15	56.7	43.9	50.3	—	83	20	—	—	28.48	723	—	37	14	Sept.	168	134	—	—	—	—	—	—	—	—	—	—		
	Enfield	9 9 9	148	56.8	43.1	49.9	—	82	16	—	—	50.6	32.01	813	+184	37	14	Sept.	189	139	10	11	5	13	34	61	6	3.63	—	30	
	Greenwich	24 24 9	149	57.7	42.7	50.2	+0.1	85	18	49.6	49.8	29.36	746	+150	34	14	Sept.	192	125	17	8	10	17	41	113	4	3.35	-0.70	27		
	Hampstead	21 21 9	450	54.4	41.4	47.9	—	80	17	—	—	38.56	979	—	42	11	July	209	145	26	15	13	25	—	138	—	3.67	—	30		
	Kensington	18-9	9	80	56.3	44.8	50.5	—	82	21	50.4	51.0	35.01	889	—	45	11	July	185	131	8	—	3	8	64	—	1	—	—		
	Regents Pk.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.18	—	26	
	Richmond (Kew Obs)	24 24 24	18	56.0	43.8	49.9	+0.2	80	21	50.2	51.0	32.12	816	+210	34	29	Nov.	163	120	14	10	7	14	39	81	0	3.61	-0.43	30		
	Stroud Green	18-7	7	212	56.3	43.8	50.1	—	81	19	—	—	31.36	797	—	37	14	Sept.	168	129	13	9	12	16	55	66	6	—	—	—	
	Tottenham	21 21 9	51	57.3	44.9	51.1	—	83	20	—	—	52.1	30.87	784	—	38	14	Sept.	165	134	5	8	4	5	—	—	2	3.25	-0.77	27	
	Westminster	9 9 9	27	57.0	45.2	51.1	+0.6	81	23	—	—	30.98	787	+219	33	14	Sept.	161	133	—	—	—	—	—	—	—	—	3.32	+0.02	27	
Surrey.																															
	Addington	9 9 9	472	53.8	42.4	48.1	—	78	17	—	—	37.15	944	—	39	14	Sept.	196	141	—	—	—	—	—	—	—	—	—	—	—	
	Croydon Aero.	18-7	7	244	55.9	43.4	49.7	—	81	13	—	—	34.93	887	—	38	14	Sept.	180	130	19	11	15	17	25	79	0	3.92	—	32	
	Wisley	9 9 9	150	56.6	42.7	49.7	+0.6	82	17	50.8	50.8	35.68	906	+292	38	14	Sept.	202	137	7	9	4	14	35	98	1	3.64	-0.63	30		
Kent.																															
	Biggin Hill	18-7	7	597	53.8	42.4	48.1	—	79	17	—	—	42.66	1084	—	42	14	Sept.	221	167	11	16	4	11	47	60	4	3.98	—	33	
	Bromley	9 9 9	213	56.0	42.9	49.5	—	81	14	—	—	32.71	831	—	35	14	Sept.	168	130	—	—	—	—	—	25	56	—	—	—		
	Canterbury	9 9 9	124	56.5	42.7	49.6	—	81	9	51.4	51.3	34.43	875	—	49	6	July	176	136	—	—	—	—	—	—	—	—	—	—		
	Deal	9 9 9	25	56.1	44.6	50.3	—	80	21	50.7	51.1	36.44	926	—	78	6	July	172	136	6	3	3	8	13	36	20	4.30	—	35		
	Dover	9 9 9	22	55.0	45.7	50.3	—	78	22	51.5	52.2	37.33	948	—	71	6	July	186	135	11	1	4	5	23	25	12	4.35	—	36		
	Dungeness	18-7	7	20	54.7	45.7	50.2	+0.5	77	23	—	—	31.70	805	+186	41	6	July	172	132	9	—	5	21	21	—	26	—	—	—	
	East Malling	9 9 9	127	55.9	42.1	49.0	—	80	12	—	—	37.34	948	—	40	14	Sept.	189	141	12	13	3	11	31	91	0	3.89	—	32		
	Folkestone	9 9 9	101	55.9	45.1	50.5	—	78	23	—	—	52.3	37.89	963	—	57	6	July	176	131	9	1	6	11	9	36	8	4.29	—	35	
	Lympne	18-7	7	347	53.9	42.8	48.3	—	76	17	—	—	50.3	39.17	995	—	43	6	July	187	137	16	12	5	18	36	74	6	4.42	—	36
	Margate	9 9 9	51	55.7	45.8	50.7	+0.6	79	23	51.9	52.5	28.25	718	+140	52	6	July	165	121	8	7	4	15	15	20	9	4.73	-0.06	38		
	Ramsgate	9 9 9	168	55.4	45.7	50.5	—	76	24	—	—	30.11	765	—	57	6	July	187	135	7	6	2	8	10	—	—	4.51	-0.28	37		
	Tunbridge W.	9 9 9	354	55.8	42.5	49.1	+0.1	80	17	51.2	51.5	40.06	1017	+332	40	14	Sept.	186	138	13	18	7	14	20	99	1	4.18	-0.30	34		
	Wye	9 9 9																													

TABLE III (continued).—SUMMARY of the RECORDS of TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1927.

Table with columns for District, County and Place; Terminal Hours of Observation; Air Temperature in Degrees Fahrenheit; Earth Temperature; Rainfall; Weather (Number of days); and Bright Sunshine (Hours per day). Rows include locations like Hampshire, I. of Wight, Wilts., Lancashire, Cheshire, North Wales, South Wales, and England S.W.

|| The sunshine recorder is at Southsea.

† Plant Breeding Station established 1924.

§ See paragraph headed "Sunshine" in Notes on Tables on page 183 of this issue.

TABLE III (continued).—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL and SUNSHINE, and of WEATHER OBSERVATIONS, YEAR 1927.

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above Mean Sea Level.	AIR TEMPERATURE IN DEGREES FAHRENHEIT.						Earth Temperature.		RAINFALL.				WEATHER. Number of days.								BRIGHT SUNSHINE. Hours per day.						
	Max.	Mfn.	Rain.		Means of		Mean of A and B.	Deviation from Normal.	Absolute Maximum and Minimum. For Dates see Table V.		1 ft.	4 ft.	Total Fall.	Deviation from Normal.	Most in a day.		Precipitation.	Precipitation 1 mm. or more.	Snow.	Snow lying.	Hail.	Thunderstorm.	Fog.	Ground Frost.	Gale.	Daily Mean.	Deviation from Normal.	Per cent.			
					A	B			°F.	°F.					Amount.	Date.															
8b. ENGLAND, S.W.—cont.																															
Devon—cont.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Ilfracombe	9	9	9	74	55.3	47.6	51.5	0.0	73	26	52.6	53.2	37.79	960	+ 46	34	28	Jan.	199	154	1	0	10	5	5	17	0	3.75	—	31	
Killerton	9	9	9	159	57.0	42.9	49.9	—	79	23	—	—	37.31	948	—	36	28	Jan.	174	151	10	—	3	7	—	—	—	—	—	—	
Newton Abbot	9	9	9	350	56.4	44.4	50.4	—	76	27	—	—	39.14	994	—	35	28	Jan.	219	152	10	6	8	4	8	41	5	4.05	—	33	
Paignton	9	9	9	11	56.7	45.9	51.3	—	76	26	—	—	38.97	990	—	32	28	Jan.	203	152	13	6	14	9	8	41	42	4.39	—	35	
Plymouth (The Hoe)	21	21	9	116	56.4	46.3	51.3	+0.3	76	29	52.3	52.8	42.08	1069	+136	33	28	Jan.	201	163	4	2	4	4	13	29	17	4.16	-0.40	34	
„ (Cattewater)	18	7	7	82	55.6	46.8	51.2	—	75	30	—	—	37.98	965	—	33	28	Jan.	205	157	11	3	13	8	5	23	37	3.98	—	33	
Sidmouth	9	9	9	147	55.8	44.5	50.1	+0.1	76	26	—	—	36.35	923	+100	30	28	Jan.	192	157	6	3	7	11	5	32	—	—	—	—	
Tavistock	9	9	9	458	55.2	43.7	49.5	—	75	25	—	—	52.2	60.21	1529	—	45	28	Jan.	233	194	10	6	23	9	11	89	21	—	—	—
Teignmouth	9	9	9	19	57.1	46.5	51.8	+0.6	77	27	—	—	34.09	866	+ 59	29	28	Jan.	184	135	12	2	7	11	10	16	35	4.27	—	35	
Torquay	9	9	9	12	57.0	46.9	51.9	+0.8	75	29	—	—	52.3	36.57	929	+ 89	35	28	Jan.	200	145	10	6	11	7	12	27	37	4.52	-0.30	37
Woolacombe	21	21	9	59	55.3	47.1	51.2	+0.1	77	26	—	—	34.49	876	+ 84	26	28	Jan.	206	156	3	1	13	7	0	19	1	3.55	-0.99	29	
Bude	9	9	9	49	55.9	45.9	50.9	—	79	27	52.7	54.4	38.75	984	—	34	29	Jan.	229	175	6	4	11	7	3	—	2	4.21	—	35	
Falmouth Ob.	9	9	9	167	56.3	46.8	51.5	+0.5	73	30	53.7	54.5	44.22	1123	+ 16	39	28	Jan.	206	166	5	3	16	9	7	38	9	4.38	-0.44	36	
„ (Pendennis)	18	7	7	200	55.1	47.9	51.5	—	73	31	—	—	35.57	903	—	33	28	Jan.	208	160	6	—	24	7	7	—	58	4.03	—	38	
Fowey	9	9	9	51	57.5	46.1	51.8	—	74	30	—	—	44.38	1127	—	87	30	Aug.	196	169	1	0	2	7	6	—	17	4.11	—	34	
Gulval	9	9	9	20	56.8	46.4	51.6	—	77	29	—	—	44.22	1123	—	35	28	Jan.	226	175	3	0	8	1	—	24	22	4.46	—	37	
Newquay	9	9	9	190	55.3	46.5	50.9	-0.1	76	29	52.4	52.6	35.12	892	+ 47	36	28	Jan.	209	162	1	0	19	6	4	—	7	4.28	-0.35	35	
Penzance	9	9	9	54	57.0	47.7	52.3	—	75	29	—	—	44.13	1121	+ 81	34	28	Jan.	231	176	3	0	8	2	3	—	6	4.25	—	35	
Redruth	9	9	9	397	54.9	45.5	50.2	—	74	28	—	—	50.08	1272	+123	49	28	Jan.	243	183	9	5	21	6	25	55	30	—	—	—	
9. IRELAND, N.																															
Sligo.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Markree Cas.	21	21	9	122	—	—	—	—	—	—	—	—	48.11	1222	+116	37	26	Jan.	242	198	—	—	—	—	—	—	—	—	—	—	—
Mayo.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Blackrod Pt.	18	7	7	10	53.7	45.7	49.7	+0.3	72	30	—	—	55.22	1402	+140	35	14	Aug.	268	237	4	—	19	2	0	—	12	—	—	—	
Mallanary	9	9	9	120	54.3	44.4	49.3	—	78	27	—	—	74.97	1904	—	69	14	Aug.	267	232	—	—	—	—	—	—	—	3.53	—	29	
Donegal.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Malin Hd.	18	7	7	51	51.9	44.4	48.1	0.0	70	27	—	—	38.24	971	+159	21	21	July	238	188	16	—	32	5	1	—	6	3.99	—	33	
Antrim.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Aldergrove	18	7	7	238	53.6	41.7	47.7	—	75	23	—	—	34.48	876	—	35	9	July	237	165	18	6	19	12	13	100	8	3.64	—	30	
Belfast	9	9	9	13	55.0	44.1	49.5	—	72	27	—	—	38.86	987	—	45	20	Sept.	210	172	—	—	—	—	—	—	—	—	—	—	
Lisburn	9	9	9	206	55.5	40.7	48.1	+0.6	74	22	—	—	39.81	1011	+145	37	20	Sept.	239	161	13	1	3	6	30	—	4	—	—	—	
Down.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Donaghadee	18	7	7	40	53.2	44.1	48.7	+0.4	70	29	—	—	35.36	898	+103	29	15	Aug.	232	163	14	—	10	6	11	—	20	—	—	—	
Armagh.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Armagh	21	21	9	204	54.5	41.6	48.0	+0.1	74	19	49.5	49.8	32.63	829	+ 23	40	20	Sept.	229	150	17	7	13	12	7	83	1	3.66	+0.12	30	
Longford.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Newtownforbes	21	21	9	161	54.5	40.6	47.5	—	76	21	48.9	49.5	38.78	985	—	46	20	Sept.	232	177	—	—	20	10	—	—	2	—	—	—	
10. IRELAND, S.																															
Dublin.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Balbriggan	9	9	9	203	54.4	42.9	48.7	+0.5	70	28	49.7	50.6	34.73	882	+151	52	21	Oct.	213	151	9	3	7	11	51	48	15	—	—	—	
City	21	21	9	54	55.2	44.4	49.8	+0.2	72	26	—	—	32.38	822	+127	32	15	Aug.	214	148	13	0	19	7	18	40	11	—	—	—	
Glasnevin	21	21	9	55	56.1	41.3	48.7	+0.1	74	21	—	—	32.87	835	+125	41	20	July	222	143	11	2	9	5	38	66	4	—	—	—	
Phoenix Pk.	21	21	9	155	55.9	40.7	48.3	+0.3	73	20	—	—	33.83	859	+157	33	15	Aug.	204	149	17	3	6	9	13	70	12	3.84	-0.29	31	
Trin. Coll.	21	21	9	12	55.3	44.5	49.9	0.0	73	26	50.2	50.2	31.63	803	+141	33	21	Oct.	199	146	10	1	9	3	—	66	7	—	—	—	
Wicklow.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Newcastle	21	21	9	256	54.9	43.0	48.9	—	72	29	—	—	38.99	990	—	49	21	Oct.	197	137	10	0	2	3	5	—	5	—	—	—	
King's Co.	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	mm.	mm.	mm.										hr.	hr.	%			
Birr Castle	18	7	7	175	55.1	42.1	48.6	+0.3	76	21	49.9	50.2	33.06	840	+ 13	41	20	Sept.	214	157	13	3	13	2	15	119	2	3.63	-0.05	30	
Queen's Co.	G.M.T.			ft.	°F.	°F.	°F.																								

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1927.

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Temperature and Humidity; Cloud Amount; Visibility; and Wind, Number of Observations. Rows include stations like Durham, York, E. Riding, Lincoln, Norfolk, Suffolk, Cambridge, Hertford, Essex, etc.

* Mean of hourly readings.

g Temperatures from thermometers in a Glaisher stand.

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO. OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
										0	1 to 3	4 to 6	7 to 9	10	Fog.			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calm.										
			0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	8 or more.	4 to 7	1 to 3	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
5. ENGLAND, S.E.—cont.																																					
Kent. Lympne H ..	1	343	1013.6	—	46.1	1.1	10.1	91	6.0	79	45	34	88	119	1	3	10	9	8	14	107	142	71	0	1	130	231	3	51	41	26	15	51	75	61	42	
	7	343	1013.5	—	46.4	1.2	10.2	91	7.2	21	49	36	141	118	1	10	9	16	16	51	113	99	49	1	0	144	219	2	47	42	22	28	46	68	55	55	
	13	343	1013.4	—	52.5	3.6	10.8	77	7.1	15	32	51	167	100	1	5	3	4	13	36	80	98	119	6	3	210	152	0	42	34	29	31	75	74	44	36	
Kent. Tunbridge Wells	18	343	1013.5	—	49.5	2.2	10.7	85	6.9	34	34	66	120	117	2	2	3	5	21	43	87	84	103	15	0	169	193	3	45	49	20	22	62	94	40	30	
	9	396	1014.0	—	49.5	2.3	10.5	84	7.0	22	58	47	79	159	0	10	6	4	43	93	94	87	28	0	0	59	306	0	16	57	16	39	47	104	39	47	
Sussex. Brighton H ..	9	48	1014.2	—	50.4	2.2	11.1	85	6.4	58	42	50	78	137	1	0	4	7	11	34	184	97	27	0	1	20	318	26	41	52	17	24	51	94	28	32	
Sussex. St. Leonards ..	9	174	1013.7	—	50.8	2.7	10.7	82	6.9	27	48	52	118	120	2	6	5	3	8	24	63	168	86	0	6	76	282	1	27	63	28	29	14	101	56	46	
	21	174	1013.5	—	49.1	1.9	10.5	86	6.1	68	45	47	69	136	1	2	2	1	2	22	35	198	102	0	5	62	297	1	25	52	37	22	11	105	64	48	
I. of Wight. Ventnor ..	9	80	1013.8	—	51.7	2.8	10.9	81	6.8	4	79	64	89	129	—	—	—	—	—	—	—	—	—	—	1	135	229	0	28	40	52	18	22	61	121	23	
	15	80	1013.3	—	53.9	3.4	11.4	78	6.6	6	84	76	78	121	—	—	—	—	—	—	—	—	—	—	1	135	229	0	17	24	49	28	18	73	140	16	
Hampshire. Calshot ..	1	15	1013.7	—	48.2	1.6	10.3	88	5.8	80	57	31	82	115	3	5	2	3	2	7	56	144	143	0	0	145	206	14	35	41	30	19	24	72	91	39	
	7	15	1013.5	—	48.2	1.8	10.3	87	7.0	24	53	44	121	123	2	10	6	5	3	13	111	131	83	1	1	167	185	12	47	48	32	21	28	66	66	45	
	13	15	1013.6	—	54.4	4.2	10.9	74	7.4	13	33	61	147	111	0	0	1	2	7	10	97	115	131	2	0	250	95	20	28	25	32	35	40	99	40	46	
	18	15	1013.4	—	51.9	3.1	10.7	79	6.7	23	57	56	125	104	0	1	0	4	3	3	91	155	107	1	0	189	172	4	33	26	30	30	35	111	60	36	
Hampshire. Southampton H	9	84	1014.4	-1.5	49.7	2.3	10.6	84	6.6	31	45	70	78	141	4	6	12	14	28	82	210	9	0	0	0	56	304	5	22	61	36	30	10	73	79	49	
	21	84	1014.2	-1.5	50.4	2.4	10.9	83	6.7	34	45	65	65	156	1	4	11	14	33	121	176	5	0	0	1	67	292	5	15	48	21	27	21	90	97	41	
Hampshire. S. Farnborough H	7	256	1013.2	—	45.6	0.9	10.2	93	7.3	22	60	29	86	168	0	16	11	12	16	39	108	97	66	0	0	58	252	55	21	27	36	19	43	63	73	28	
	13	256	1013.0	—	54.4	4.3	11.1	74	7.6	11	32	62	126	134	0	2	6	3	7	15	106	91	135	0	0	120	235	10	32	32	36	19	52	69	82	33	
	18	256	1013.0	—	51.0	2.8	10.8	82	6.8	28	54	53	104	126	0	4	4	5	14	26	88	102	122	0	0	70	266	29	25	34	31	16	50	77	75	28	
Hampshire. Winchester (Worthy Down)	7	273	1013.3	—	45.9	1.2	9.9	91	7.4	19	51	34	105	156	1	13	12	10	15	21	98	144	51	0	0	64	247	54	52	24	26	23	59	57	39	31	
	13	273	1013.1	—	53.4	4.1	10.5	74	7.9	7	23	53	154	128	0	4	1	2	6	20	61	110	158	3	0	147	209	9	44	30	23	28	66	65	62	38	
	18	273	1013.1	—	50.5	2.9	10.3	81	7.1	17	52	54	118	124	0	4	2	7	5	16	76	129	113	13	0	81	263	21	46	28	18	27	83	55	62	25	
Wilts. Larkhill H ..	9	444	1013.2	—	48.7	2.2	10.3	85	7.6	17	37	43	125	143	0	11	1	6	5	18	49	80	193	2	0	194	169	2	37	42	38	36	52	58	63	37	
	13	444	1012.8	—	52.7	3.9	10.6	76	7.9	8	25	49	130	153	0	2	3	1	12	7	49	68	232	0	0	241	123	1	33	39	31	34	54	62	67	44	
	15	444	1012.6	—	52.7	3.8	10.6	76	7.5	10	36	45	151	123	0	1	1	4	8	13	33	65	232	8	1	223	138	3	36	43	29	25	57	61	70	41	
7a. ENGLAND, N.W.																																					
Cumberland. Aspatria (Mealsgate) ..	9	485	1011.1	—	47.3	2.2	9.5	83	7.6	27	24	68	47	199	—	—	—	—	—	—	—	—	—	—	1	34	280	50	20	49	4	48	29	119	36	10	
Lancashire. Hutton ..	21	485	1011.1	—	45.5	1.5	9.3	88	6.5	75	39	41	19	191	—	—	—	—	—	—	—	—	—	—	0	33	259	73	11	33	5	75	33	87	35	13	
Lancashire. Southport H ..	9	86	1011.6	—	48.5	1.8	10.4	87	7.8	25	34	29	86	191	—	—	—	—	—	—	—	—	—	—	0	41	146	178	7	7	16	30	30	16	57	24	
	13	42	1012.0	-2.5	48.7	2.4	10.1	83	7.3	6	60	58	67	174	0	0	2	8	22	136	39	23	135	0	2	187	161	15	22	12	43	66	52	29	84	42	
	17	42	1011.7	-2.6	52.1	3.7	10.5	76	6.6	11	80	59	81	134	0	0	0	2	12	93	45	11	202	0	5	223	129	8	13	14	35	49	45	36	107	58	
Lancashire. Stonyhurst ..	18	42	1011.5	-2.5	51.0	3.3	10.4	78	7.1	10	76	46	60	173	0	0	1	7	35	92	42	17	166	5	4	206	142	13	22	16	42	35	37	47	100	53	
	21	42	1011.9	-2.5	47.8	1.9	10.3	86	7.4	10	63	56	37	199	0	0	4	1	28	157	63	25	86	1	2	172	168	23	19	24	53	44	44	49	68	41	
Lancashire. Manchester .. Whitworth Pk	9	381	1012.2	—	47.6	2.6	9.4	82	7.8	25	29	34	92	185	0	2	3	2	1	8	166	117	66	0	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	381	1012.2	—	46.5	1.8	9.5	86	7.0	35	61	30	54	185	0	2	4	7	28	42	141	133	8	0	—	—	—	—	—	—	—	—	—	—	—	—	—
Cheshire. Liverpool (Bidston) ..	9	127	1012.2	—	49.1	2.8	9.8	81	7.9	16	32	44	72	201	—	—	—	—	—	—	—	—	—	—	1	61	245	58	18	12	35	32	88	44	53	25	
	21	127	1012.2	—	48.4	2.3	9.9	84	7.1	55	32	40	48	190	—	—	—	—	—	—	—	—	—	—	2	47	235	81	18	10	45	17	90	41	47	16	
	7	202	1011.7	-2.2	46.6	1.8	9.6	86	7.4	6	66	32	149	112	1	7	6	10	30	44	95	103	56	13	1	156	197	11	21	14	57	69	35	58	79	21	
	13																																				

TABLE IV (continued).—SUMMARY of the OBSERVATIONS of PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY, and WIND at fixed hours at certain Stations during the Year 1927.

DISTRICT, COUNTY AND PLACE.	Hour of Observation.	Height of Barometer above Mean Sea Level.	MEAN PRESSURE.		TEMPERATURE AND HUMIDITY.				CLOUD AMOUNT.					VISIBILITY.									WIND, NUMBER OF OBSERVATIONS.														
			At Mean Sea Level.	Deviation from Normal.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Relative Humidity.	Mean Amount.	NO OF OBSERVATIONS.					NUMBER OF OBSERVATIONS.									FORCE (0-12).				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
										0	1 to 3	4 to 6	7 to 9	10	FOG.			Mist.	Poor Vis.	Mod. Vis.	GOOD VISIBILITY.			8 or more.	4 to 7	1 to 3	Calm.										
			0	1	2	3	4	5	6	7	8	9	8	7	6	5	4				3	2	1					0									
8b. ENGLAND, S.W.																																					
Somerset. Bath	9	84	1013.1	—	50.0	2.8	10.2	81	7.5	19	48	39	66	193	0	2	6	11	9	17	165	49	104	2	0	93	259	13	9	48	62	18	21	60	105	29	
	Dorset. Holton Heath H	9	58	1013.8	—	50.6	2.8	10.6	81	7.2	24	38	69	93	141	0	6	2	6	2	23	123	203	0	0	0	107	222	36	39	56	16	22	16	86	52	42
		15	58	1013.3	—	54.2	4.4	10.8	73	7.0	20	36	88	99	122	0	3	1	1	3	19	81	257	0	0	0	130	221	14	33	38	16	36	12	119	53	44
Dorset. Portland Bill ..	1	37	1012.8	—	50.7	2.1	11.0	85	6.8	36	70	28	60	171	0	2	1	2	6	11	121	0	222	0	5	186	171	3	29	54	29	16	45	77	79	33	
	7	37	1012.6	-2.0	50.6	2.1	10.9	85	7.8	9	43	37	101	175	0	3	5	2	5	20	145	0	185	0	1	200	158	6	35	63	30	16	39	80	67	29	
	13	37	1012.9	—	53.0	2.9	11.3	80	8.0	3	37	32	147	146	0	0	1	1	4	35	145	0	179	0	2	214	144	5	20	52	33	16	50	107	59	23	
	18	37	1012.9	—	52.1	2.6	11.1	82	7.6	8	52	35	114	156	1	1	1	0	3	20	155	0	184	0	3	211	144	7	25	40	34	14	38	108	74	25	
Devon. Plymouth H (Cattewater)	7	27	1013.3	—	49.1	1.5	11.0	89	7.4	9	61	34	142	119	0	1	0	4	12	9	103	149	84	3	3	159	156	47	35	33	49	21	26	51	57	46	
	13	27	1013.4	—	53.6	3.3	11.3	78	7.3	4	54	54	147	106	0	0	1	2	2	11	72	119	149	9	5	230	125	5	31	20	36	27	61	83	51	51	
	18	27	1013.3	—	52.0	2.5	11.3	83	6.8	7	81	49	130	98	0	0	1	0	5	13	90	128	113	15	6	221	127	11	35	22	37	22	48	70	63	57	
Cornwall. Pendennis Castle	1	238	1013.7	—	49.9	1.5	11.0	88	6.6	20	57	95	69	124	0	3	3	0	1	1	64	162	123	8	22	185	131	27	46	35	18	21	20	53	78	67	
	7	238	1013.4	—	49.8	1.6	11.0	88	7.4	1	29	95	137	103	2	1	3	1	7	3	51	139	155	3	16	182	141	26	50	34	26	20	25	56	68	60	
	13	238	1013.6	—	53.7	3.2	11.3	79	7.4	3	16	112	140	94	3	1	0	5	1	68	97	169	21	24	236	96	9	36	24	32	29	36	67	64	68		
Cornwall. Newquay ..	18	238	1013.5	—	52.1	2.6	11.1	82	7.2	2	28	102	139	94	0	3	3	0	4	2	58	130	143	22	16	212	123	14	42	24	29	26	18	72	74	66	
	9	161	1013.2	—	51.7	2.3	11.3	84	7.0	8	57	63	122	115	0	0	3	1	3	20	75	79	159	25	3	172	169	21	38	20	18	49	51	54	62	52	
9. IRELAND, N.																																					
Sligo. Markree Castle ..	9	127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	21	127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Mayo. Blacksod Point ..	7	30	1009.7	—	49.4	2.2	10.3	83	7.4	14	29	75	106	141	0	0	0	0	4	8	53	166	96	38	9	243	66	47	34	23	19	42	65	33	80	22	
	18	30	1009.9	—	51.1	2.9	10.5	80	7.3	6	36	92	109	122	0	0	0	1	5	13	55	145	83	63	5	253	78	29	47	23	14	39	45	52	72	44	
Donegal. Malin Head ..	1	72	1009.8	—	47.3	1.3	10.1	90	5.9	15	109	62	121	58	0	0	1	1	3	9	38	145	149	19	3	215	140	7	35	19	24	54	93	30	54	49	
	7	72	1009.3	-1.9	47.6	1.4	10.2	89	6.7	5	70	62	179	49	0	0	0	1	16	38	136	146	27	3	214	148	0	39	25	31	53	81	45	40	51		
	13	72	1009.6	—	50.3	2.0	10.9	86	6.8	1	65	66	178	55	0	0	0	1	2	19	37	115	145	40	2	247	116	0	41	25	41	40	53	43	62	60	
Antrim. Aldergrove H ..	18	72	1009.6	—	49.5	1.9	10.7	87	6.8	5	59	75	173	53	0	0	2	1	2	11	45	129	132	43	1	208	156	0	45	27	38	35	54	42	65	59	
	7	245	1010.8	—	45.3	1.3	9.5	89	7.4	5	50	48	145	117	0	4	5	4	6	15	82	189	58	2	0	95	241	29	34	18	35	45	65	70	43	26	
Down. Donaghadee ..	13	245	1010.7	—	51.3	3.4	10.3	77	7.8	4	32	43	175	111	0	0	1	1	1	20	74	131	132	.5	1	157	200	7	39	21	33	45	52	70	58	40	
	18	245	1010.8	—	49.3	2.9	9.9	80	7.1	10	54	56	156	89	0	1	0	2	4	8	80	140	124	6	0	105	241	19	46	31	36	43	45	64	50	31	
	7	26	1011.1	-1.8	47.0	1.5	10.0	88	6.5	8	41	134	120	62	0	1	1	9	16	1	16	93	228	0	6	71	262	26	26	31	16	35	34	67	83	47	
Armagh. Armagh H ..	13	26	1011.1	—	51.0	2.4	10.9	83	6.5	5	35	147	125	53	0	1	1	4	13	5	24	93	223	1	9	96	255	5	34	35	26	43	51	68	64	49	
	18	26	1011.0	—	49.8	2.1	10.7	84	6.3	11	40	140	123	51	0	0	1	2	11	7	25	95	224	0	6	102	234	23	41	29	20	32	47	69	59	45	
	21	26	1011.4	—	47.9	1.6	10.2	87	6.1	14	56	121	112	62	0	0	0	3	12	6	24	96	224	0	8	76	254	27	44	21	16	30	36	78	70	43	
10. IRELAND, S.	9	209	1010.7	-2.3	48.2	2.3	9.9	83	6.5	28	56	74	81	126	0	2	5	0	9	12	33	49	242	13	0	36	221	108	16	16	20	36	79	43	35	12	
	21	209	1011.1	-2.0	46.4	1.8	9.6	86	5.7	66	71	44	65	119	0	3	2	0	1	14	26	28	288	3	0	35	190	140	14	14	21	27	78	39	21	11	
Dublin. Glasnevin H ..	9	56	1011.3	—	49.4	3.0	10.2	81	7.3	12	9	114	129	101	—	—	—	—	—	—	—	—	—	—	1	81	279	4	5	49	17	52	10	58	79	91	
	21	56	1011.4	—	48.5	2.2	10.1	84	6.9	48	15	91	82	129	—	—	—	—	—	—	—	—	—	—	2	98	263	2	15	47	20	46	12	49	73	101	
	7	173	1010.5	-3.1	45.7	1.0	9.9	92	7.3	5	49	55	166	90	0	1	3	11	6	15	119	201	9	0	1	66	296	2	30	21	32	51	80	49	72	28	
King's Co. Birr Castle ..	13	173	1010.5	—	52.7	3.5	10.7	77	7.4	3	29	63	226	44	0	0	1	3	2	3	77	186	93	0	1	107	257	0	32	16	27	54	65	55	74	42	
	18	173	1010.3	—	51.2	3.0	10.5	80	7.4	2	32	62	217	52	0	0	0	2	7	7	76	207	66	0	0	101	264	0	28	18	29	40	67	53	81	49	
Waterford. Seskin, Carrick-on-Suir	9	521	1010.9	—	48.4	1.8	10.2	87	7.1	11	67	49	96	142	0	1	4	8	11	9	57																

TABLE I. DISTRICT VALUES.

The District Values of this Table are computed from the statistics for individual stations set out in Table III and Table IV. The District Value system was initiated in the Weekly Weather Report in the year 1878. It has been used in the Monthly Weather Report since 1908.

The representative stations from which the District Means of rainfall and temperature are computed are the same in the two reports as also are those to which the District Values of sunshine refer. These two groups of stations are indicated by the signs ¶ and § in Table III. The highest and lowest temperatures for the district recorded during the month may refer to any station in Table III and not merely to the representative stations from which the mean temperature is computed. The "adjusted" mean temperature for the month in Table I is derived from the maxima and minima by the formulae of Lieutenant-General Sir R. Strachey (see Introduction). The Earth Temperatures given for the Districts are means for all the stations reporting in Table III for which normals of Earth Temperature are available. Mean Cloud Amount refers to all the stations of Table IV, the observations at 7h. and 9h. being grouped together as also those at 13h., 15h. and those at 18h. and 21h. The extremes of pressure refer only to the telegraphic reporting stations of the Daily Weather Report.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records used in the preparation of this Table are generally made by anemographs of the pressure-tube type. At a few stations the Robinson Cup Anemograph is utilised. The classification adopted for the "Distribution of Wind" is based on the specification of the Beaufort Scale of Wind Force (see *The Observer's Handbook*). For an anemograph complying with the specification "head 33 ft. above ground in the open" the several columns correspond with Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate winds), Forces 2 and 3 (light winds), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures may be gathered from the figures in the "Height" columns.

The "Highest Hourly Wind" is determined by the mean speed of the wind for a period of sixty minutes from 30 minutes before to 30 minutes after an exact hour by Greenwich Mean Time. Under the heading "Veer from N" the azimuth of the direction from which the wind was blowing is stated, the entry for an east wind being 90°, that for a south wind 180° and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS.

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

Except at the Royal Observatory, Greenwich where a Glaisher stand is in use, the air temperature is obtained from thermometers placed in louvered screens. At Kew Observatory, Richmond, and Valentia Observatory these are north wall screens a few feet from the ground. At Aberdeen Observatory the north wall screen is at 41 feet. Otherwise the screens are in the open.

Rainfall.—The daily amounts are for the 24 hours beginning at the "terminal hour." "Rainfall" includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm. and also with reference to the limit 0.4 inch or 1.0 mm. The lower limit excludes mere "traces" of precipitation, but it is frequently passed on occasions when the precipitation is only dew.

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

For the purpose of this summary "Snow" includes sleet (*i.e.*, snow with rain), "Hail" includes graupel (soft hail), "Snow lying" refers to occasions when at least one-half of the country surrounding the station is covered with snow at the morning observation. The entry of "fog" implies that regular observations of the range of vision are made on the scale set out below. Days of fog are those on which the range of vision is less than 1,100 yards at the hour of morning observation. That hour is given by the third entry of column 2 of the table and may be 7, 8 or 9h. G.M.T. The variability of the observation hour may exercise an important effect upon the statistics of fog frequency. "Thunderstorms" include any day on which thunder is heard. "Gale" is a wind of Force 8 or upwards on the Beaufort Scale. A "ground frost" is entered when the reading of a "grass minimum" thermometer set the previous evening and read at the morning observation is 30°F. or lower.

Sunshine.—The percentage of possible sunshine is in all cases calculated with reference to the maximum duration possible in the latitude on the assumption of an unobstructed horizon, due allowance being made for refraction (see *International Meteorological Tables* (Paris) pp. A17-A20 and 42-47). The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of 3° or less. The symbol s is entered against the percentage at some stations and indicates that obstructions of altitudes greater than 3° reduce the possible record of duration for the month by more than 5 per cent.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Mean Air Pressure is expressed in millibars. (1 millibar = 1,000 dynes per square centimetre = the pressure due to .029531 inch of mercury at 32°F. in Lat. 45°). The corrections for latitude, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level. Barometric pressure is given at station level for a few stations at altitudes of 600 ft. or more in footnotes in Table IV.

Hygrometry.—The values given depend on the readings of the dry and wet bulb thermometers in Stevenson Screens (except at the Observatories, see above). The observations were formerly reduced by Glaisher's method; as from January, 1926 they are reduced by the new hygrometrical tables issued by the Office when are based on a formula of Regnault. In general the relative humidity and vapour pressure are derived from the monthly means of the dry and wet bulb readings. At certain stations the daily values of relative humidity and vapour pressure are found and the means are computed therefrom. These stations are indicated by the letter "H."

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 10, the entry "0" being equivalent to clear sky "10" to overcast.

Visibility.—The observations are classified according to the following scheme—the distances, specified by international arrangement in metres are given here in yards and miles:—

CODE.	RANGE OF VISION.
0	Less than 55 yards.
1	Exceeding 55 yards, less than 220 yards.
2	" 220 " " 550 "
3	" 550 " " 1,100 "
4	" 1,100 " " 1½ miles "
5	" 1½ miles " " 2½ "
6	" 2½ " " 6¼ "
7	" 6¼ " " 12½ "
8	" 12½ " " 31 "
9	" 31 " "

Wind Summaries.—The estimates of wind force refer to the Beaufort Scale, and in general to the wind experienced at the time of observation. At Deerness, Cahirciveen, Richmond, Armagh, Eskdalemuir, Southport, Greenwich and Oxford the analysis refers to tabulations of autographic records. For Oxford the mean wind speed for half-an-hour centred at the hour of observation is used for conversion to "force" on the Beaufort Scale; for the remaining observatories the mean wind speed used for each observation refers to a period of one hour. In these cases winds equivalent to Force 1 are counted with the calms, whilst Forces 2 and 3 are taken together in the preceding column of the Table.

STANDARD OF TIME.

As a rule observations are made in all parts of the British Islands according to Greenwich Mean Time, but at the following stations Local Mean Time is used for the observations summarised in Tables III and IV. The number of minutes after Greenwich Time is shown in brackets—Darwen (10), Rhayader (15), Ashburton (15), Tavistock (17), Plymouth (15), Armagh (26), Balbriggan (25), Lisburn (30), Newcastle, Co. Wicklow (30), Ballinacurra (30), Cork (34).

"Summer Time" is not used in the Monthly Weather Report, but at certain stations the hours of observation vary in the course of the year. For such stations all time entries are converted to G.M.T. before they are printed and the winter hours are given as the terminal hours in the annual tables. For the summer hours reference should be made to the appropriate months.

NORMALS.

In Table I the normals of temperature, rainfall and sunshine for districts, used for the computation of the columns headed "Deviation from Normal," are those given in the Book of Normals, Section II. Table 6, and refer to the period 1881-1915. In the case of earth temperatures, the deviations for districts are computed as the mean of the corresponding deviations for the individual stations from their (as yet unpublished) normals.

In Table III the normals used are those for the 35 years 1881-1915. The normals of temperature and sunshine are published in the Book of Normals, Section I, those for rainfall in the Book of Normals, Section V.

The normals for pressure with which comparison is made in Table IV also refer to the period 1881-1915.

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

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above M.S.L. ft.	Warmest Day. Highest Maximum and Date.		Warmest Night. Highest Minimum and Date.		Coldest Day. Lowest Maximum and Date.		Coldest Night. Lowest Minimum and Date.		
	Max.	Min.	Rain.		°F.	°F.	°F.	°F.					
0. SCOTLAND, N.													
Shetlands.	Baltasound ..	9	9	9	31	July 9	74	August 8, 9	57	Jan. 4, Dec. 25	30	Jan. 5	23
	Lerwick ..	18	7	7	54	July 9	68	July 11, Aug. 6, 7, 8	57	Jan. 5	31	Jan. 4, 5, Apr. 28	24
Orkneys.	Deerness ..	21	21	9	160	July 9	68	Aug. 4, 6, 9, Sept. 6	55	Dec. 19	33	Jan. 5, April 29	27
	Kirkwall ..	9	9	9	151	July 26, Aug. 4	68	Sept. 7	56	Jan. 4, Dec. 16, 19, 25	34	Dec. 20	25
Hebrides.	Stornoway ..	18	7	7	30	August 8	71	August 11	57	Dec. 18	29	Dec. 29	17
Caithness.	Wick ..	18	7	7	81	July 10	68	Aug. 8, 10, 27, Sept. 1	55	Dec. 17	33	Dec. 18	18
								Sept. 5, 7					
Ross and Cromarty.	Achnashellach ..	9	9	9	225	May 8	78	July 4	61	Dec. 17	26	Dec. 18	14
	Fortrose ..	9	9	9	69	—	—	July 30	58	Dec. 18	29	Dec. 29	17
	Strathpeffer ..	9	9	9	125	May 8, Aug. 9	75	Aug. 7, 9	58	Dec. 17	21	Dec. 29, 30	11
Inverness.	Fort Augustus ..	9	9	9	68	August 8	74	July 30	60	Dec. 28	26	Dec. 18	14
	Inverness ..	9	9	9	242	June 17, July 5	74	July 30	58	Dec. 17	28	Dec. 29	13
1. SCOTLAND, E.													
Nairn.	Nairn ..	18	7	7	82	July 10	75	July 30	58	Dec. 17	21	Dec. 18	9
Elgin.	Gordon Castle ..	21	21	9	104	July 8	77	August 3	58	Dec. 17	27	Dec. 16, 29	12
Banff.	Banff ..	9	9	9	130	July 8, 31, Aug. 4	71	August 6, 7	58	Dec. 18	27	Dec. 18	14
Aberdeen.	Aberdeen ..	24	24	24	46	August 3	72	August 3	59	Dec. 17	27	Dec. 18	17
	Balmoral ..	9	9	9	927	May 8	75	July 30, Aug. 3, 7, 9	55	Dec. 17	15	Dec. 17, 18	5
	Braemar ..	21	21	9	1120	May 8	74	August 9	54	Dec. 18	17	Dec. 18	0
	Craibstone ..	9	9	9	300	July 10, Aug. 3	72	Aug. 3, 6, 10, Sept. 6	56	Dec. 17	26	Dec. 18	16
	Logie Coldstone ..	9	9	9	608	May 8, July 10	75	July 9, Aug. 7, 10	57	Dec. 17	13	Dec. 17, 18	0
Forfar.	Arbroath ..	21	21	9	93	July 10	73	August 10	58	Dec. 18	29	Dec. 17	18
	Carnoustie ..	9	9	9	39	August 3	71	Sept. 6	57	Dec. 17, 26	34	Dec. 18	23
	Dundee ..	21	21	9	198	July 10	78	July 31, Aug. 9	58	Jan. 5, Dec. 26	33	Dec. 18	19
	(E. Necropolis)												
	Mayfield	9	9	9	147	July 10	78	July 30, 31, Aug. 3, 7, 10, Sept. 6	57	Dec. 17	29	Dec. 18	22
	Kettins ..	9	9	9	218	July 10	76	Aug. 6, 9, 11	57	Dec. 17, 18	30	Dec. 18	14
	Montrose ..	9	9	9	16	August 3	73	August 3	60	Dec. 17	28	Dec. 18	20
Perth.	Crieff ..	21	21	9	478	May 8	75	July 30, Aug. 9, 10	57	Dec. 18	28	Dec. 17, 18	18
	Perth ..	9	9	9	76	July 10	78	July 30, Aug. 10	59	Dec. 17, 18	28	Dec. 18	15
Fife.	Cupar ..	9	9	9	210	July 10	77	July 30, 31	58	Dec. 17	27	Dec. 18	20
	Inchkeith ..	18	7	7	190	July 10	72	July 30, Aug. 3, 11, 27, Sept. 6	57	Dec. 20	32	Feb. 13, Dec. 18	28
	Kirkcaldy ..	9	9	9	66	July 10	76	July 30	60	Dec. 19, 26	34	Dec. 18	22
	Leuchars ..	18	7	7	40	July 10	77	August 10	58	Dec. 18	29	Dec. 18	21
	St. Andrews ..	9	9	9	20	July 10	75	July 30	58	Dec. 17	31	Dec. 18	19
Linlithgow.	Bangour ..	21	21	9	587	July 10	72	July 30	57	Dec. 20	29	Dec. 17	14
Edinburgh.	Blackford Hill ..	21	21	9	441	July 10	72	July 30	59	Dec. 17, 19	31	Dec. 19	24
	Boghall ..	9	9	9	645	July 10, Aug. 5	71	July 30	58	Jan. 19	30	Dec. 17, 18	22
	Edinburgh Univ.	9	9	9	227	July 10	73	August 5	59	Dec. 17, 20, 31	32	Jan. 20, 21, Feb. 13, Dec. 20	27
	Liberton Coll. Gn.	9	9	9	190	July 10	74	—	—	Dec. 17, 19	31	—	—
Haddington.	North Berwick ..	9	9	9	152	July 10	75	July 30	59	Dec. 3	31	Dec. 17, 20	16
	Smeaton ..	9	9	9	100	July 10, Aug. 3	75	July 30, Sept. 6	57	Dec. 17	31	Dec. 17, 18, 20	20
Berwick.	Marchmont ..	9	9	9	498	July 10	75	July 30	58	Dec. 16, 19, 20	30	Feb. 11	20
Peebles.	West Linton ..	9	9	9	770	May 8, July 10	74	August 1	58	Dec. 19, 31	29	Dec. 18	11
Roxburgh.	Kelso (Br'mlands)	9	9	9	195	July 10	77	July 30	59	Dec. 16, 19	29	Dec. 17	16
	Wolfelee ..	9	9	9	537	July 10	75	Aug. 7, Sept. 6	58	Dec. 19	27	Dec. 29	9
6a. SCOTLAND, W.													
Argyll.	Ardnadam ..	9	9	9	60	—	—	—	—	—	—	—	—
	Ardtornish ..	21	21	9	48	May 8	79	—	—	—	—	—	—
	Ford ..	9	9	9	149	May 8	78	Sept. 6	60	Jan. 19, Dec. 17	33	Dec. 28	19
	Tiree ..	18	7	7	22	May 8	72	August 7	58	Dec. 19, 20	35	Dec. 28	24
	Glenbranter ..	9	9	9	188	May 8	78	August 7	60	Dec. 31	32	Dec. 18	12
	Oban ..	9	9	9	21	May 8	75	August 7	62	Dec. 17, 19, 27	35	Jan. 16	22
Bute.	Rothsay ..	21	21	9	200	May 8	74	August 5	59	Dec. 20	33	Feb. 2	27
Dumbarton.	Cardross ..	9	9	9	130	July 18	74	August 8	62	Dec. 17, 18	32	Jan. 20, Dec. 18	20
	Helensburgh ..	9	9	9	21	July 18	73	July 30, Aug. 5, 7	59	Dec. 31	30	Feb. 2, Nov. 8, Dec. 18	23
Stirling.	Stirling ..	9	9	9	151	August 11	76	July 30, Aug. 1, 2, 3	59	Dec. 18, 19	32	Jan. 20	20
Renfrew.	Greenock ..	9	9	9	199	May 8	76	August 5	60	Dec. 17	30	Jan. 20	26
	Paisley ..	21	21	9	106	May 8	77	Aug. 5, 7, Sept. 6	59	Dec. 18	30	Jan. 20	22
	Renfrew ..	18	7	7	36	May 8	77	July 30, Sept. 6	59	Nov. 30	26	Dec. 18, 29	17
Lanark.	Dungavel ..	9	9	9	798	May 8	75	July 31, Aug. 5, 7	57	Dec. 21, 22, 29	29	Dec. 20	16
	Glasgow (Univ.) ..	9	9	9	139	May 8	76	July 30	60	Dec. 17, 31	31	Jan. 20	22
	Leadhills ..	9	9	9	1310	May 8	76	August 7	58	—	—	—	—
	Thorntonhall ..	9	9	9	440	May 8	75	July 30	57	Dec. 31	29	Jan. 20	15
Ayr.	Colmonell ..	9	9	9	170	May 8	80	August 7	61	Dec. 17	30	Dec. 17, 18, 19	20
	Kilmarnock ..	9	9	9	90	May 8	79	July 30, Aug. 5, 7	59	Dec. 20, 31	32	Nov. 8, 12, Dec. 28	22
	Turnberry ..	9	9	9	96	August 6	76	Aug. 5, 7	61	Dec. 17	29	Dec. 19	22
Dumfries.	Dumfries ..	21	21	9	140	July 10	77	July 14	60	Dec. 19, 20, 31	31	Jan. 20	19
	Eskdalemuir ..	24	24	24	794	May 8	74	July 30	57	Dec. 20	28	Jan. 20	14
	Ruthwell ..	21	21	9	67	July 10	82	Aug. 7, Sept. 6	58	Dec. 20, 31	31	Dec. 17	17
Kirkcudbright.	Cargen ..	9	9	9	85	July 10	80	—	—	—	—	Jan. 20	19
6b. ISLE OF MAN.													
Isle of Man.	Douglas ..	9	9	9	284	July 9, Aug. 6	72	Aug. 5, 6	58	Dec. 20	34	Feb. 2	28
2. ENGLAND, N.E.													
Northumberland.	Berwick-on-Tweed	9	9	9	76	July 4, 29 } Aug. 3, Sept. 1 }	70	July 30	58	Dec. 19, 20	35	Feb. 13	21
	Bellingham ..	9	9	9	848	July 10	77	Aug. 7, Sept. 6	57	Dec. 17, 19, 20	28	Feb. 13	17
	Cockle Park ..	21	21	9	324	July 10	74	Aug. 7, Sept. 6	57	Dec. 20	30	Jan. 22, Feb. 13	20
	Tynemouth ..	18	7	7	67	July 28	72	July 30	61	Dec. 17, 18, 21	35	Feb. 11, 13	25
Durham.	Chopwellwood ..	9	9	9	445	July 10, Aug. 4, 5, 6	74	Sept. 6	57	Dec. 18, 19, 20	30	Dec. 19, 20	16
	Durham ..	21	21	9	336	July 10, Aug. 4	73	Aug. 7, Sept. 6	58	Dec. 19	28	Dec. 17	18
	Houghall ..	9	9	9	160	June 16, July 10 } Aug. 4, Sept. 2 }	73	July 5, 20	59	Dec. 17, 18, 19	31	Dec. 17	15
	Ushaw College ..	9	9	9	594	July 10, Aug. 4	72	July 5	57	Dec. 17, 18	30	Feb. 13, Dec. 20	20
York, N. Riding.	Ampleforth ..	9	9	9	350	July 10	76	July 30, Sept. 6	59	Dec. 19	29	Dec. 20	21
	Castleton ..	9	9	9	425	May 7, Aug. 4	73	July 30	59	—	—	—	—
	Rounton ..	21	21	9	249	May 7, Aug. 5, 14	74	August 7	59	Dec. 17	29	Dec. 19, 20	18
	Scarborough ..	9	9	9	118	July 29, Aug. 3	72	July 30	60	Dec. 16, 19, 20	35	Feb. 13	26

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

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above M.S.L., ft.	Warmest Day.	Warmest Night.	Coldest Day.	Coldest Night.				
	Max.	Min.	Rain.		Highest Maximum and Date.	Highest Minimum and Date.	Lowest Maximum and Date.	Lowest Minimum and Date.				
2. ENGLAND, N.E.—cont.												
York, West Witton ..	9	9	9	605	May 8	77	July 30, Aug. 7	59	Dec. 19	27	Dec. 17, 18, 20	16
N. Riding, York ..	21	21	9	56	July 10	78	Aug. 7	61	Dec. 19	30	Dec. 19	19
York, Bridlington ..	21	21	9	76	Sept. 1	75	July 30, Aug. 8	58	Dec. 20	33	Dec. 19	13
E. Riding, Hull ..	21	21	9	8	July 10	78	July 30	62	Dec. 19	30	Dec. 20	19
Osgodby ..	21	21	9	30	July 10	79	August 7	59	Dec. 19	29	Dec. 20	13
Spurn Head ..	18	7	7	29	August 14	75	August 8	61	Feb. 13	32	Feb. 13	25
Lincoln, Cranwell ..	18	7	7	236	June 16, Aug. 6	80	July 29	59	Dec. 19	23	Dec. 31	14
Cleethorpes ..	9	9	9	23	July 29	76	August 7	61	Dec. 20, 31	32	Dec. 19	17
Lincoln ..	9	9	9	58	July 10	80	July 30, Aug. 7	60	Dec. 19	28	Dec. 16, 19, 20	20
Skegness ..	9	9	9	12	July 5	75	August 7, 8	62	Dec. 19	31	Dec. 19	21
3. ENGLAND, E.												
Norfolk, Cromer ..	9	9	9	150	July 5, Aug. 6	78	August 7	61	Dec. 19	30	Dec. 18	22
Geldeston ..	9	9	9	37	July 5	78	August 7	62	Dec. 18	29	Dec. 19	9
Hunstanton ..	9	9	9	105	July 5	81	June 17, July 30	59	Dec. 18	31	Dec. 20, 21	23
Norwich ..	9	9	9	98	July 5, Aug. 6	79	Aug. 7, 8	61	Dec. 18	28	Dec. 19	14
Sprowston ..	9	9	9	93	July 5	77	August 7	62	Dec. 28	28	Dec. 19	9
Yarmouth ..	18	7	7	5	July 5	76	August 8	63	Dec. 18	29	Dec. 19	22
Suffolk, Bungay (Flixton) ..	9	9	9	79	July 5, 10	79	July 30, Aug. 6, 8, 14	60	Dec. 19	30	Dec. 19	7
Copdock ..	9	9	9	164	July 5	79	August 6, 7	61	Dec. 18	28	Dec. 19	17
Felixstowe Aero. ..	18	7	7	15	July 10	77	July 30, Aug. 7	63	Dec. 18	28	Dec. 16, 18	24
Felixstowe Beach ..	9	9	9	15	July 10	78	August 7	63	Dec. 18	31	Dec. 18	22
Lowestoft ..	9	9	9	83	Sept. 1	75	August 7, 8	63	Dec. 18	31	Dec. 18	22
Cambridge, Cambridge ..	21	21	9	41	June 16	80	August 8	62	Dec. 19	28	Dec. 31	10
Cambridge ..	9	9	9	78	—	—	—	—	—	—	—	—
Bedford, Luton ..	9	9	9	390	June 16	80	August 8	60	Dec. 19	27	Dec. 31	10
Woburn ..	9	9	9	291	June 16	80	July 30, Aug. 7, 15	59	Dec. 19	27	Dec. 31	11
Hertford, Benington ..	21	21	9	405	—	—	—	—	—	—	—	—
Rothamsted ..	9	9	9	420	June 16	80	August 8	60	Dec. 18, 19	26	Dec. 19	11
St. Albans ..	9	9	9	272	June 16	80	August 8	60	Dec. 19	27	Dec. 31	13
Essex, Clacton-on-Sea ..	18	7	7	55	July 10	78	August 4, 7, 8	63	Dec. 18	27	Dec. 17, 18	24
Chelmsford ..	9	9	9	134	June 16, July 10	79	June 17, Aug. 14, 21, 31	58	Dec. 18	28	Dec. 31	11
Chelmsford ..	9	9	9	185	June 16	79	August 6, 7, 8	60	Dec. 18	27	Dec. 31	9
(Good Easter)												
Dovercourt ..	9	9	9	47	July 10	79	July 22, Aug. 7, 8	62	Dec. 18	31	Dec. 18	23
Earls Colne ..	9	9	9	168	July 5	79	August 6, 8	61	Dec. 18	28	Dec. 31	15
Halstead ..	9	9	9	139	July 5	80	August 6, 8	62	Dec. 18	28	Dec. 31	11
Shoeburyness ..	18	7	7	11	July 10	79	August 8	62	Dec. 18	28	Dec. 17, 18, 19	15
Southend ..	9	9	9	90	July 10	80	June 17	62	Dec. 18	28	Dec. 19, 31	24
Walton-on-Naze ..	9	9	9	66	July 10	78	August 4, 6, 7, 8	62	Dec. 18	30	Dec. 18	22
4. MIDLAND COUNTIES.												
York, Bradford ..	9	9	9	439	July 10	76	August 7	59	Dec. 21	27	Dec. 18, 20, 31	20
W. Riding, Giggleswick ..	9	9	9	575	July 10	77	August 7	60	Dec. 19, 20	29	Dec. 20	14
Harrogate ..	18	7	7	478	July 10	74	July 30, Aug. 7	59	Dec. 31	26	Dec. 19, 20, 31	20
Huddersfield ..	21	21	9	325	July 10	80	July 23, 30	59	Dec. 31	26	Dec. 31	14
" (Oakes) ..	21	21	9	761	July 10	78	August 7	59	Dec. 19, 31	26	Dec. 31	18
Ilkley ..	9	9	9	315	July 10	78	July 30	58	Dec. 20	28	Dec. 20	13
Meltham ..	9	9	9	513	July 10	78	July 5, 30, Aug. 7	59	Dec. 19	25	Dec. 31	13
Pontefract ..	9	9	9	189	July 10	77	July 30	60	Dec. 19	26	Dec. 31	15
Sheffield ..	21	21	9	428	July 10	78	July 30, Aug. 7	60	Dec. 20, 31	28	Dec. 31	17
Wakefield ..	9	9	9	124	July 10	80	Nov. 3	61	Dec. 19	28	Dec. 31	17
Derby, Belper (School) ..	9	9	9	222	July 10	80	July 4, 30, Aug. 14, Sept. 1, Oct. 26	57	Dec. 19	28	Dec. 31	17
Belper (Q. Bank) ..	9	9	9	280	July 10	78	Aug. 8, 14	60	Dec. 19	27	Dec. 31	17
Buxton ..	9	9	9	1007	July 10	74	August 7	58	Dec. 19	24	Dec. 17	16
Nottingham, Lenton Fields ..	7	7	7	132	July 10	80	July 5, Sept. 1	58	—	—	—	—
Mansfield ..	9	9	9	357	July 10	78	August 14	58	Dec. 19	26	Dec. 31	16
Nottingham ..	9	9	9	192	July 10	79	July 5, 30, Aug. 8	60	Dec. 18, 19	28	Dec. 31	20
Strelley ..	9	9	9	377	July 10	79	July 30, Aug. 8	59	Dec. 19	27	Dec. 31	19
Sutton Bonington ..	9	9	9	157	July 10	78	July 30	59	Dec. 19	27	Dec. 31	13
Worksop ..	9	9	9	56	July 10	82	July 30	60	Dec. 19	29	Dec. 31	14
Leicester, Belvoir Castle ..	21	21	9	259	June 16	79	Sept. 21	60	Dec. 31	28	Dec. 31	13
Northampton, Oundle ..	9	9	9	147	June 16	80	July 30	60	Dec. 18	25	Dec. 31	13
Raunds ..	9	9	9	213	June 16	81	August 7	60	Dec. 19	27	Dec. 31	12
Roads ..	9	9	9	394	June 16	80	July 30, Aug. 6, 8, 14	58	Dec. 17, 19	26	Dec. 31	13
Warwick, Birmingham ..	18	7	7	535	July 10	80	Aug. 6, Sept. 1	60	Dec. 19	25	Dec. 19	20
" Sparkhill ..	7	13	7	424	July 10	82	Aug. 6, Sept. 7	60	Dec. 19	26	Dec. 31	17
Coventry ..	9	9	9	270	June 16	79	July 30, Aug. 6	60	Dec. 19	27	Dec. 17, 19, 20	20
Leamington Spa ..	9	9	9	165	June 16, July 10	79	July 30	60	Dec. 19	27	Dec. 19, 31	18
Rugby ..	21	21	9	390	June 16, July 10, Aug. 3	78	August 8, 14	58	Dec. 19	26	Dec. 31	14
Oxford, Leafield ..	18	7	7	612	June 16	78	August 6	59	Dec. 19	23	Dec. 19	17
Oxford ..	9	9	9	208	June 16	80	July 26, Aug. 8	60	Dec. 19	27	Dec. 19, 20	18
" (Sandford) ..	9	9	9	210	June 16, July 10	79	July 4, 30, Aug. 6, 31	59	Dec. 19	27	Dec. 19	13
Bucks, Mursley ..	9	9	9	490	August 6	80	August 1	59	Dec. 19	26	Dec. 19	15
Stafford, Mayfield ..	9	9	9	374	July 10	77	August 7	60	Dec. 19	27	Dec. 17, 19, 20	18
Shropshire, Roden, Wellington ..	9	9	9	207	July, 8, Aug. 5, 6	74	July 26, Aug. 7, 8, Sept. 1	57	Dec. 19	26	Feb. 11	12
Wellington ..	9	9	9	259	July 10	79	Sept. 1	60	Dec. 19	27	Feb. 11	17
Wistanstow ..	21	21	9	481	July 10	78	July 30, Aug. 7, 8, Sept. 21	58	Dec. 18, 19	29	Dec. 19	17
Worcester, Malvern ..	9	9	9	377	July 10	79	July 26, 30	60	Dec. 19	26	Dec. 19	18
Tenbury ..	9	9	9	313	July 10	80	July 30	60	Dec. 19	24	Dec. 19	16
Worcester ..	9	9	9	95	July 10	79	July 30	60	Dec. 19	27	Dec. 19	16
(Perdiswell)												
Hereford, Bromyard ..	9	9	9	392	July 10	79	July 26	59	Dec. 19	26	Feb. 11	17
Hereford ..	9	9	9	291	Aug. 29	79	July 30	60	Dec. 19	27	Dec. 19	15
Ross-on-Wye ..	18	7	7	223	July 10	78	July 5, 26, 30, Sept. 21	60	Dec. 19	26	Feb. 11, Dec. 19	19
Gloucester, Cheltenham ..	21	21	9	214	July 10	80	July 11, 26, 30, Aug. 8, 31, Sept. 1	60	Dec. 19	26	Dec. 19	20
Clifton ..	9	9	9	225	May 8, July 10	77	July 26	61	Dec. 18, 30	30	Dec. 19	21
Over Court ..	9	9	9	147	July 10	78	July 26, 30	61	Dec. 31	28	Dec. 19	20

† Botanic Gardens, published in this Report from July, 1899.

†† University Farm Station.

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

DISTRICT, COUNTY AND PLACE.		Terminal Hours of Observation.			Height of Station above M.S.L.	Warmest Day.		Warmest Night.		Coldest Day.		Coldest Night.	
		Max.	Min.	Rain.		Highest Maximum and Date.		Highest Minimum and Date.		Lowest Maximum and Date.		Lowest Minimum and Date.	
					ft.			°F	°F	°F	°F		
5. ENGLAND, S.E.													
London.	Camden Square ..	9	9	9	110	June 16	85	August 6	63	Dec. 18	28	Dec. 19	21
	East Ham ..	9	9	9	15	June 16	83	August 6	62	Dec. 18	29	Dec. 19, 31	20
	Enfield ..	9	9	9	148	June 16	82	July 26, Aug. 6, 8	62	Dec. 18	28	Dec. 31	16
	§ Greenwich ..	24	24	9	149	June 16	85	August 6	62	Dec. 20	29	Dec. 19	18
	Hampstead Res. ..	9	9	9	450	June 16	80	August 6	59	Dec. 18	27	Dec. 19, 20	17
	Kensington ..	18	9	9	80	June 16	82	August 6, 8	62	Dec. 18	28	Dec. 19	21
	Richmond (Kew Obs.)	24	24	24	18	June 16	80	August 6	62	Dec. 18	29	Dec. 19	21
	Stroud Green ..	18	7	7	212	June 16	81	July 26, Aug. 6, 8, 14	61	Dec. 18	28	Dec. 31	19
	Tottenham ..	21	21	9	51	June 16	83	August 4	64	Dec. 18	28	Dec. 31	20
	Westminster ..	9	9	9	27	June 16	81	August 6	64	Dec. 18	29	Dec. 19	23
Surrey.	Addington ..	9	9	9	472	June 16	78	August 6	60	Dec. 19, 30	28	Dec. 19	17
	Croydon Aero. ..	18	7	7	244	June 16	81	August 6	62	Dec. 20	28	Dec. 30	13
	Wisley ..	9	9	9	150	June 16	82	Aug. 6, 8, 31	61	Dec. 19	29	Dec. 19, 30, 31	17
Kent.	Biggin Hill ..	18	7	7	597	June 16	79	August 8	60	Dec. 19, 20	26	Dec. 19	17
	Bromley ..	9	9	9	213	June 16	81	August 6	62	Dec. 18, 19	29	Dec. 31	14
	Canterbury ..	9	9	9	124	June 16	81	June 17, July 26, Aug. 14, 31, Sept. 4	59	Dec. 18	29	Dec. 19	9
	Deal ..	9	9	9	25	July 10	80	August 6	62	Dec. 18	27	Dec. 19, 31	21
	Dover ..	9	9	9	22	July 10, Aug. 31	78	August 6	63	Dec. 18	29	Dec. 31	22
	Dungeness ..	18	7	7	20	July 10	77	August 30	62	Dec. 20	29	Feb. 11, Dec. 17, 20	23
	East Malling ..	9	9	9	127	June 16	80	August 6	63	Dec. 19	28	Dec. 19	12
	Folkestone ..	9	9	9	101	July 10	78	August 6	62	Dec. 18	27	Dec. 18, 20, 21	23
	Lympe ..	18	7	7	347	May 6, Aug. 31	76	August 6	61	Dec. 18, 20	26	Dec. 19	17
	Margate ..	9	9	9	51	July 5	79	June 17, July 5, Aug. 7	62	Dec. 17, 18	29	Dec. 18	23
	Ramsgate ..	9	9	9	168	July 10	76	August 6	63	Dec. 18	30	Dec. 18	24
	Tunbridge W. ..	9	9	9	354	July 10	80	August 6	62	Dec. 18, 19	28	Dec. 19	17
	Wye ..	9	9	9	104	May 4, June 16	79	August 6	62	Dec. 19	28	Dec. 17, 18, 31	16
Sussex.	Ardingly ..	9	9	9	437	June 16	81	August 6	61	Dec. 18	28	Dec. 19	17
	Bexhill ..	9	9	9	12	July 10	78	August 6	63	Dec. 18, 19	30	Dec. 19	23
	Bognor ..	9	9	9	20	July 10	78	August 6	63	Dec. 19	30	Dec. 18	22
	Brighton ..	9	9	9	31	July 10	81	July 11, Aug. 6	63	Dec. 20	29	Dec. 18, 19	23
	Eastbourne ..	21	21	9	35	July 10	79	August 6	63	Dec. 18	30	Dec. 18	24
	Hellingly ..	18	7	7	209	July 10	80	August 8	61	Dec. 19, 20	29	Dec. 18, 19	20
	Littlehampton ..	9	9	9	27	July 10	78	Aug. 8, 14	62	Dec. 19, 29	30	Jan. 20	23
	St. Leonards ..	21	21	9	178	August 31	79	August 6	62	Dec. 18, 19	29	Dec. 19, 20	24
	Selsey Bill ..	9	9	9	21	July 10	80	July 26, Aug. 6, 14, 31, Sept. 1	61	Dec. 29, 30	31	Dec. 17	24
	Worthing ..	9	9	9	36	July 10	78	August 6	63	Dec. 19	31	Dec. 19	22
Berkshire.	Ascot (H'thr'wd') ..	21	21	9	320	June 16, July 7	79	Aug. 6, 31	60	Dec. 19	28	Dec. 19	17
	Bucklebury Pl. ..	9	9	9	409	July 10	80	Aug. 31, Sept. 1	59	Dec. 19	28	Dec. 19	17
	Reading (Shinfield) ..	9	9	9	200	June 16	79	Aug. 6, 31, Sept. 1	60	Dec. 19	27	Dec. 19, 31	18
	" (Univ. Coll.) ..	9	9	9	152	July 10	80	August 6	61	Dec. 19	30	Dec. 19, 31	19
Hampshire.	Aldershot ..	9	9	9	231	June 16	80	Aug. 6, 31	60	Dec. 19	27	Dec. 19, 31	17
	Bournemouth ..	9	9	9	145	July 10	81	Sept. 1	61	Dec. 19	30	Jan. 20, Dec. 18	21
	Calshot ..	18	7	7	8	July 10	83	August 6	63	Dec. 19	30	Jan. 20, Dec. 19	25
	Grayscott ..	9	9	9	661	June 16, July 10, 11	77	August 6	60	Dec. 19	26	Dec. 19	18
	Long Sutton ..	9	9	9	479	June 16, July 10	78	August 31	60	Dec. 30	26	Dec. 19, 30	17
	Portsmouth ..	9	9	9	15	July 10	80	August 6	63	Dec. 19	29	Dec. 19	24
	Southampton ..	21	21	9	64	July 10	81	August 6	62	Dec. 19	28	Dec. 18, 19	21
	S. Farnborough ..	18	7	7	230	June 16, July 10	81	August 31	61	Dec. 19, 20	29	Dec. 19, 31	16
	Winchester ..	18	7	7	272	July 10	78	Aug. 31, Sept. 1	60	Dec. 20	27	Dec. 18	16
	(Worthy Down)												
Isle of Wight.	Newport ..	9	9	9	48	July 10	82	Sept. 1	61	Dec. 19	30	Jan. 20	21
	Ryde ..	9	9	9	13	July 10	80	August 6	63	Dec. 18, 19	31	Jan. 20	26
	Sandown ..	9	9	9	13	July 10	78	Aug. 5, 30, 31	61	Dec. 29	31	Jan. 20	21
	Totland Bay ..	9	9	9	140	July 10	79	August 31	61	Dec. 18, 19	30	Dec. 18	24
	Ventnor (Hospital) ..	9	9	9	59	July 10	79	August 5	64	Dec. 18, 19, 29	33	Dec. 17, 20	28
	" (Pub. Pk.) ..	9	9	9	196	July 10	77	August 5	63	Dec. 18, 19, 29	32	Dec. 18, 19, 20	25
Wilts.	Larkhill ..	9	9	9	440	July 10, Aug. 31	77	August 6	60	Dec. 19	27	Jan. 20	15
	Marlborough ..	9	9	9	424	June 16, July 10	77	July 26, Aug. 31, Sept. 1	59	Dec. 19	26	Jan. 20, Dec. 18, 19	17
	Porton ..	9	9	9	363	May 6, June 16, July 10, August 31	77	Aug. 6, Sept. 1	58	Dec. 19	27	Dec. 18, 19	17
7a. ENGLAND, N.W.													
Cumberland.	Aspatria ..	21	21	9	487	July 10	76	July 14, 30, Aug. 5, Sept. 6	58	Dec. 19	30	Dec. 19	21
	(Mealsgate)												
	Keswick ..	9	9	9	254	July 10	78	August 7	61	Dec. 20	33	Feb. 13	20
	Newton Rigg ..	21	21	9	559	July 10	78	Aug. 7, Sept. 5	59	Dec. 19	28	Dec. 19	10
Lancashire.	Blackpool ..	9	9	9	66	August 6	77	Aug. 7, Sept. 1	61	Dec. 19	29	Dec. 20	21
	Blundellsards ..	9	9	9	34	—	—	—	—	Dec. 19	29	Dec. 20	22
	Bolton ..	9	9	9	341	July 10	77	August 7	61	Dec. 19	28	Jan. 21	20
	Burnley ..	9	9	9	458	July 10	78	August 7	61	Dec. 19, 20	29	Dec. 20	18
	Darwen ..	21	21	9	724	July 10	77	Aug. 7, Sept. 1	59	Dec. 19, 20	28	Dec. 19	20
	Hutton ..	9	9	9	82	May 7, July 10, Aug. 6	77	August 7	62	Dec. 19	28	Dec. 20	20
	Lancaster ..	9	9	9	311	July 10	82	Aug. 8, Sept. 1	60	Dec. 21	33	Dec. 20	22
	Leyland ..	9	9	9	124	May 7, Aug. 6	76	August 7	62	Dec. 19	29	Dec. 20	20
	Manchester—												
	(Whit. Park) ..	21	21	9	125	May 7, July 10, Aug. 5, 6	78	August 7	62	Dec. 20	30	Feb. 11	23
	(Oldham Rd.) ..	21	21	9	190	July 10, Aug. 6	79	August 7	62	Dec. 19, 20	31	Feb. 13, Dec. 19, 20	24
	(Swinton) ..	9	9	9	253	July 10	78	Aug. 7, 8, Sept. 1	60	Dec. 19	30	Dec. 20	21
	Morecambe ..	9	9	9	24	August 6	78	August 7	62	Dec. 17, 18, 20, 30	33	Dec. 20	23
	Southport ..	9	9	9	37	May 7, Aug. 6	78	August 7	61	Dec. 19	28	Dec. 20	20
	Stonyhurst ..	9	9	9	377	July 10	78	August 7	61	Dec. 19	27	Dec. 20	20
Cheshire.	Hoylake ..	9	9	9	30	August 6	79	August 7	62	Dec. 19	29	Dec. 20	21
	Liverpool (Bidston) ..	18	7	7	189	Aug. 5, 6	76	Aug. 7, Sept. 1	61	Dec. 19	28	Dec. 19, 20, 31	24
	Macclesfield ..	9	9	9	500	August 6	76	August 7	60	Dec. 19	27	Feb. 13	18
	Wallasey ..	9	9	9	35	August 6	79	August 7	63	Dec. 19, 20, 31	32	Dec. 20	24
	West Kirby ..	9	9	9	25	August 6	79	August 7	63	Dec. 19	28	Feb. 11, Dec. 20	22
7b NORTH WALES.													
Flint.	Hawarden B'ge. ..	9	9	9	22	August 6	78	August 7	61	Dec. 19	30	Dec. 19	22
	Rhyl ..	9	9	9	30	August 6	80	August 7	62	Dec. 19	28	Dec. 19	22
	Sealand ..	18	7	7	16	August 6	78	August 7	63	Dec. 19	27	Dec. 19	17

§ Temperature from thermometer on a Glaisher stand.

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

DISTRICT, COUNTY AND PLACE.	Terminal Hours of Observation.			Height of Station above M.S.L.	Warmest Day.	Warmest Night.	Coldest Day.	Coldest Night.				
	Max.	Min.	Rain.		Highest Maximum and Date.	Highest Minimum and Date.	Lowest Maximum and Date.	Lowest Minimum and Date.				
				ft.	°F.	°F.	°F.	°F.				
7b. NORTH WALES—cont.												
Anglesey. Holyhead ..	18	7	7	26	August 6	76	July 30, Aug. 5, 14, 31, Sept. 21	59	Dec. 19	32	Dec. 20	27
Denbigh. Colwyn Bay ..	9	9	9	81	May 7, Aug. 6	79	July 30, Aug. 5, 6, 7, Sept. 1	61	Dec. 19	29	Dec. 20	23
Carnarvon. Aber (Bangor) ..	9	9	9	60	August 6	77	Sept. 1	61	Dec. 19, 30	32	Feb. 10	21
Llandudno ..	9	9	9	22	August 6	79	August 5, 7	61	Dec. 19	29	Dec. 20	24
Montgomery. Welshpool ..	9	9	9	254	July 10	80	August 7	60	Dec. 19	29	Feb. 11, Dec. 31	18
8a. SOUTH WALES.												
Cardigan. Aberystwyth ..	9	9	9	59	May 7	79	August 6	62	Dec. 19	28	Dec. 19	20
" P.B.S. ..	9	9	9	452	August 5, 6	76	August 5, 6	60	Dec. 19	27	Dec. 19	20
Pembroke. Haverfordwest ..	21	21	9	250	August 5	74	July 30, August 31	59	Dec. 29	31	Dec. 19	22
St. Ann's Head ..	18	7	7	150	August 5	74	August 6, 31	60	Dec. 29	33	Dec. 19	27
Tenby ..	9	9	9	87	July 18, Aug. 4, 5, 6	73	August 6, 31	61	Dec. 19	31	Dec. 19	27
Radnor. Rhayader ..	9	9	9	757	August 4	77	Sept. 1	59	Dec. 19	25	Dec. 19	11
Glamorgan. Cardiff ..	21	21	9	202	July 10	76	July 10, 30, Aug. 8, 31	60	Dec. 19	27	Dec. 19	21
Swansea ..	9	9	9	27	May 7	77	August 5	63	Feb. 12, 13, 14	43	Dec. 19, 20	25
8b. ENGLAND, S.W.												
Monmouth. Newport ..	9	9	9	265	July 10	77	Sept. 1	60	Dec. 19	26	Dec. 19, 20	20
Usk ..	9	9	9	70	July 10	77	Sept. 1	60	Dec. 19	28	Dec. 19	16
Somerset. Bath ..	9	9	9	66	July 10	78	July 26, 30, Aug. 6, Sept. 1, Oct. 27	61	Dec. 19	28	Dec. 19	20
Long Ashton ..	9	9	9	162	August 4	77	July 5, 26, 30, Aug. 7, Sept. 1	60	Dec. 19	28	Dec. 19	20
Dorset.												
Weston-super-Mare ..	9	9	9	29	—	—	—	—	—	—	—	—
Holton Heath ..	9	15	9	64	July 10	78	Aug. 9, 10, 14, Sept. 1	60	Dec. 19	29	Jan. 20, Dec. 18	21
Portland Bill ..	18	7	7	32	July 10	70	August 6	63	Dec. 30	33	Dec. 26, 30, 31	30
Shaftesbury ..	9	9	9	722	July 10	77	—	—	Dec. 19	26	Dec. 19	19
Weymouth ..	9	9	9	21	July 10	77	August 6	62	Dec. 29	32	Jan. 20	24
Devon.												
Arlington ..	9	9	9	613	August 5, 6	76	August 31	60	Dec. 19	28	Dec. 19	23
Ashburton ..	9	9	9	583	August 7	74	July 10, Aug. 5, 6	60	Dec. 29	30	Dec. 28	22
Cullompton ..	9	9	9	202	August 5	80	July 30	60	Dec. 19	28	Jan. 19	21
Exmouth ..	9	9	9	195	August 5	75	July 12, 21, Aug. 9, 31, Sept. 1	59	Dec. 29	31	Jan. 20	23
Ilfracombe ..	9	9	9	74	June 16, Aug. 4	73	July 30, Aug. 5	62	Dec. 19	32	Dec. 19	26
Killerton ..	9	9	9	159	May 7, Aug. 5	79	July 30, Aug. 31	60	Dec. 28	30	Jan. 20	23
Newton Abbot ..	9	9	9	350	August 5	76	July 30, Aug. 5, 31	59	Dec. 18, 19	32	Jan. 20, Dec. 30, 31	27
Paignton ..	9	9	9	11	July 10	76	July 10, Aug. 5	63	Dec. 29	34	Jan. 20	26
Plymouth—												
(The Hoe) ..	21	21	9	116	August 5	76	August 5	63	Dec. 29	33	Jan. 20	29
(Cattewater) ..	18	7	7	82	August 5	75	August 31	63	Dec. 18, 29, 30	34	Jan. 20, Dec. 30	30
Sidmouth ..	9	9	9	147	May 7, August 5	76	August 31	61	Dec. 19	29	Dec. 20	26
Tavistock ..	9	9	9	458	May 7	75	August 5	61	Dec. 18, 29	32	Jan. 20, Feb. 11	25
Teignmouth ..	9	9	9	19	July 10	77	August 5	63	Dec. 29	34	Jan. 20	27
Torquay ..	9	9	9	12	July 10	75	August 5	63	Dec. 29	34	Jan. 20	29
Woolacombe ..	21	21	9	59	August 5	77	August 6, 31	62	Dec. 19	31	Dec. 20	26
Cornwall.												
Bude ..	9	9	9	49	August 5	79	July 30	61	Dec. 19	30	Jan. 20, Dec. 28	27
Falmouth Obs. ..	9	9	9	167	July 15	73	August 5	62	Dec. 18	35	May 1, Dec. 30	30
" (Pendennis) ..	18	7	7	200	July 15	73	August 5, 31	61	Dec. 18	35	Dec. 29, 30	31
Fowey ..	9	9	9	51	July 9, 17, Aug. 4	74	August 5	62	Dec. 29	33	Jan. 20, Dec. 28, 30	30
Gulval ..	9	9	9	20	July 15	77	July 30, Aug. 5, 8, 31	60	Dec. 29	34	Dec. 30	29
Newquay ..	9	9	9	190	August 5	76	July 30, August 31	60	Dec. 29	33	Dec. 29, 30	29
Penzance ..	9	9	9	54	July 15	75	August 5	61	Dec. 18	37	Dec. 30	29
Redruth ..	9	9	9	397	August 5	74	August 31	60	Dec. 29	31	Dec. 28, 30	28
9. IRELAND, N.												
Sligo. Markree Castle ..	21	21	9	122	July 18	77	July 20	58	Dec. 19, 20	35	Nov. 13, 20	20
Mayo. Blacksod Point ..	18	7	7	10	May 7	72	July 20, Aug. 5	59	Feb. 9, Dec. 30	37	Dec. 16, 20, 21	30
Mallarany ..	9	9	9	120	July 18	78	July 20	59	Dec. 19	30	Dec. 19, 20, 31	27
Donegal.												
Malin Head ..	18	7	7	51	August 8	70	July 21	58	Dec. 19, 20	35	Dec. 20	27
Antrim.												
Aldergrove ..	18	7	7	238	May 7	75	August 7	59	Dec. 20	33	Feb. 2, Nov. 8	23
Belfast ..	9	9	9	13	May 8, July 17	72	August 5, 7, 8, 31	60	Dec. 19, 20	35	Jan. 20, Feb. 2, 3	27
Lisburn ..	9	9	9	206	July 17	74	August 7	58	Dec. 19	34	Feb. 2	22
Down.												
Donaghadee ..	18	7	7	40	July 30	70	August 27	57	Dec. 20	36	Jan. 20	29
Armagh.												
Armagh ..	21	21	9	204	May 7, July 18	74	August 7	59	Dec. 20	35	Dec. 8	19
Longford.												
Newtownforbes ..	21	21	9	161	July 17	76	August 7	58	Dec. 19	32	Nov. 13	21
10. IRELAND, S.												
Dublin.												
Balbriggan ..	9	9	9	210	July 30, Aug. 4, 5	70	August 7, 14	58	Dec. 19	34	Jan. 20, Feb. 2	28
City ..	21	21	9	54	July 9	72	August 7	59	Jan. 19, Dec. 19	35	Feb. 13	26
Glasnevin ..	21	21	9	55	July 9, 20	74	August 7, 9	58	Dec. 19	34	Dec. 8	21
Phoenix Park ..	21	21	9	155	July 20	73	July 20, Aug. 7, Oct. 25	58	Dec. 19	33	Feb. 13	20
Trinity College ..	21	21	9	12	July 9, 20, 30	73	July 30, Aug. 7	59	Dec. 19	34	Jan. 20, Feb. 13	26
Wicklow.												
Newcastle ..	21	21	9	256	July 21, 30	72	August 7, 14	58	Dec. 19	33	Dec. 19, 20	29
King's Co.												
Birr Castle ..	18	7	7	175	May 7, July 17, 18	76	July 20, Aug. 14	59	Dec. 19	31	Nov. 13	21
Queen's Co.												
Mountmellick ..	9	9	9	252	May 7	80	July 21	58	Dec. 19	33	Dec. 31	20
Wexford.												
Newtownbarry ..	9	9	9	153	August 5	76	July 16, Aug. 14	59	Dec. 19	34	Feb. 24, Nov. 30,	26
											Dec. 9	
Kilkenny.												
Kilkenny ..	9	9	9	182	July 17, 18	77	August 14	58	Dec. 19	33	Dec. 31	22
Waterford.												
Seskin, Carrick-on-Suir ..	21	21	9	542	July 18, Aug. 5	75	July 20	57	Dec. 19, 30	31	Dec. 30	23
Waterford ..	9	9	9	137	August 5	77	August 14	59	Dec. 19, 26	36	Dec. 8	26
Limerick.												
Foynes ..	9	9	9	50	July 17	77	Sept. 8	59	Dec. 26	35	Dec. 1	25
Kerry.												
Cahiriveen (Val. Obs.) ..	24	24	24	30	July 15, 19	70	July 19	60	Dec. 27	37	Dec. 30	27
Cork.												
Killarney ..	9	9	9	174	July 15, Aug. 4, 5	77	July 20, 21, 22	59	Dec. 29	36	Nov. 13, 14, Dec. 28, 30	25
Ballinacurra ..	9	9	9	24	July 15	75	July 20, 26	59	Dec. 26	35	Nov. 14	25
Cork (Univ. Coll.) ..	9	9	9	57	August 5	76	July 26	60	Dec. 26	35	Nov. 14	23
Roche's Point ..	18	7	7	22	August 5	74	July 20	60	Dec. 26	36	Jan. 13, Dec. 15, 26, 30	32
11. CHANNEL ISLES AND SCILLY.												
Scilly.												
St. Mary's ..	18	7	7	165	August 4, 5	72	August 6	60	Dec. 18, 28	36	Dec. 30	33
Guernsey.												
St. Peter Port ..	21	21	9	173	June 16, August 5	71	August 8, 31	61	Dec. 19	30	Dec. 18	24
Jersey.												
(St. Heliers) ..	9	9	9</									

TABLE VI [1913].—MONTHLY FREQUENCIES OF SUNSHINE FOR 20 STATIONS.—NUMBER OF DAYS in each MONTH on which the DURATION of SUNSHINE

STATION.	January.					February.					March.					April.					May.					June.				
	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.	Sunless.	0-3 hours.	3-6 hours.	6-9 hours.	≥ 9 hours.
Deerness	10	16	5	0	0	8	11	8	1	0	3	13	11	4	0	2	12	8	4	4	4	14	6	4	3	3	4	5	12	6
Onich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	7	14	10	0	0	7	11	6	4	0	4	9	13	5	0	0	6	13	8	3	6	13	4	5	3	1	8	10	6	5
Cockle Park	9	19	2	1	0	6	11	8	3	0	5	9	10	7	0	1	8	10	7	4	3	13	6	3	6	2	7	5	7	9
Cambridge	10	11	8	2	0	13	8	5	2	0	3	9	9	8	2	1	11	5	6	7	1	8	3	10	1	0	8	7	8	6
Birmingham	9	17	5	0	0	13	10	4	1	0	3	16	9	3	0	2	10	6	10	2	1	15	4	9	3	0	11	12	6	1
Richmond Kew (Obs.)	11	13	7	0	0	14	8	4	2	0	5	9	10	5	2	0	11	6	6	7	1	4	6	7	13	0	11	6	9	4
Southampton	12	12	7	0	0	11	11	2	4	0	1	11	10	9	0	1	7	5	10	7	1	4	3	5	18	0	6	8	7	9
Renfrew	15	13	3	0	0	11	11	4	2	0	3	11	15	1	1	5	6	4	9	6	4	10	3	8	3	6	7	7	7	7
Eskdalemuir	16	13	3	0	0	11	11	4	2	0	6	14	9	1	1	4	9	5	7	5	8	5	7	3	8	2	10	8	6	4
Douglas	9	13	7	2	0	8	10	6	4	0	5	9	7	10	0	2	11	5	8	4	4	3	5	3	16	1	6	10	6	7
Southport	11	18	1	1	0	10	9	5	4	0	3	8	13	7	0	1	11	5	7	6	2	9	4	4	12	1	6	7	6	10
Stonyhurst	14	15	1	1	0	12	7	7	2	0	8	8	11	4	0	3	9	6	6	6	4	6	8	5	8	2	9	4	5	10
Holyhead	9	17	3	2	0	8	10	2	7	1	5	8	9	8	1	2	10	6	6	6	1	8	4	5	13	1	9	7	4	9
Falmouth	6	15	9	1	0	4	13	5	6	0	3	7	12	8	1	5	4	5	7	9	2	4	8	7	10	1	8	4	5	12
Markree Castle	7	22	2	0	0	7	12	7	2	0	—	—	—	—	—	3	9	8	6	4	3	8	8	3	9	3	9	4	7	7
Armagh	10	13	7	1	0	8	8	6	6	0	1	17	6	6	1	2	12	4	8	4	3	7	6	6	9	2	7	12	4	5
Dublin (Phoenix Park)	15	13	3	0	0	7	8	7	5	1	2	14	9	5	1	2	10	6	9	3	2	8	5	6	10	2	9	5	6	8
Birr Castle	11	10	10	0	0	8	7	7	5	1	3	13	9	6	0	6	7	5	8	4	6	7	4	6	8	5	8	6	6	5
Cahiriveen (Valentia Obs.)	9	18	4	0	0	8	9	7	4	0	5	4	14	8	0	3	10	5	10	2	3	4	7	5	12	2	12	2	4	10

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

STATION.	January.				February.				March.				April.				May.				June.			
	Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.		Coldest Day.		Warmest Night.	
	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.	Date.	Max.	Date.	Min.												
Deerness	4th	34	1, 2	47	10th	37	15, 16	43	11, 15	42	19th	46	28th	37	18th	43	10, 12, 13, 14	43	24th	46	8, 9	48	17, 19, 30	48
Onich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	17th	34	10th	47	9, 10	39	27th	43	9th	40	19th	49	27th	40	20th	49	13th	44	24th	48	1st	49	17th	52
Cockle Park	22nd	35	10th	47	10th	35	16, 21	41	8th	42	19th	46	25th	41	21st	50	2, 6, 13	46	4th	49	1st	49	17th	52
Cambridge	17th	38	10th	46	12th	33	22, 27	43	14th	42	22nd	51	11th	47	21st	48	13th	51	24, 25	53	1, 11, 26	58	17th	58
Birmingham	17th	34	9, 10	45	12th	29	16, 21, 27	43	14th	40	22nd	49	11th	44	4th	48	10th	50	25th	54	25th	55	17th	54
Richmond (Kew Obs.)	22nd	37	12th	45	11th	33	21st	45	14th	42	22nd	49	7th	47	14, 22	50	13th	53	25th	54	26th	57	16th	54
Southampton	17th	35	25th	46	12th	34	28th	46	14th	45	22nd	49	2, 7	49	14, 22	49	27th	54	5th	56	7, 26, 29	58	17th	56
Renfrew	20th	35	10th	49	13th	33	16th	44	5, 14	44	20th	50	25th	44	21, 22	49	2nd	46	24th	51	1st	49	17th	53
Eskdalemuir	17, 20	32	10th	45	10th	31	15th	40	7th	41	19th	44	27th	37	19th	46	2nd	46	8th	47	1st	51	17th	50
Douglas	21st	38	9, 10	47	9th	36	15, 27	44	14th	43	18th	48	29th	44	19th	48	1st	47	8th	54	27th	52	17, 18	52
Southport	17, 20	38	10th	46	9, 11	35	4, 21, 22, 27	43	13, 14	45	22nd	49	9th	45	18th	49	10th	51	24th	52	5th	55	17th	55
Stonyhurst	21st	34	10th	45	10th	32	27th	43	13, 14	42	22nd	49	9th	42	19, 21	48	1st	50	8th	52	25th	54	17th	54
Holyhead	21st	40	10th	49	9th	35	27th	46	13th	44	22nd	48	30th	42	21st	49	1, 11	51	8th	53	5, 26, 27	54	16th	56
Falmouth	17, 18	44	9th	49	9th	39	28th	48	12, 13	48	22nd	50	1st	49	22nd	49	1, 10, 11	54	8th	56	18th	57	17th	56
Markree Castle	20th	38	10th	47	9th	39	15th	46	—	—	—	—	2nd	45	18th	49	1st	47	9th	53	27th	53	16th	53
Armagh	21st	38	9th	47	9th	35	15th	47	14th	43	19th	51	2nd	42	18th	50	1st	48	24th	52	5, 27	54	16th	54
Dublin (Phoenix Pk.)	19th	36	10th	46	9th	35	20th	47	14, 31	44	19th	50	2nd	43	21st	49	1st	48	24th	53	10, 26	56	16th	55
Birr Castle	17th	37	9th	48	9th	34	15th	48	31st	41	19th	50	2nd	46	22nd	51	1st	50	25th	58	10, 26	55	18th	53
Cahiriveen (Val. Obs.)	21, 29	43	8th	51	9th	39	20th	49	11, 13	46	19th	51	6th	48	21st	50	1st	50	26th	54	27th	55	16th	57

TABLE VIII [1914].—NUMBER OF DAYS in the YEAR with RAINFALL between given limits.

STATION.	STATION.									STATION.	STATION.								
	0 in. 0 or 0.1 mm.	0.01-0.4 in. 0.2-1.0 mm.	0.05-0.20 in. 1.1-5.0 mm.	0.21-0.40 in. 5.1-10.0 mm.	0.41-0.60 in. 10.1-15.0 mm.	0.61-0.80 in. 15.1-20.0 mm.	0.81-1.00 in. 20.1-25.0 mm.	≥ 1.00 in. ≥ 25 mm.	0 or 0.1 in. 0 or 0.1 mm.		0.01-0.04 in. 0.2-1.0 mm.	0.05-0.20 in. 1.1-5.0 mm.	0.21-0.40 in. 5.1-10.0 mm.	0.41-0.60 in. 10.1-15.0 mm.	0.61-0.80 in. 15.1-20.0 mm.	0.81-1.00 in. 20.1-25.0 mm.	≥ 1.00 in. ≥ 25 mm.		
Deerness	104	89	101	44	20	5	1	1	Douglas	145	55	81	47	17	9	5	6		
Onich	—	—	—	—	—	—	—	—	Southport	159	50	94	44	7	7	3	1		
Aberdeen	143	69	105	31	9	5	0	3	Stonyhurst	144	42	100	40	19	9	3	8		
Cockle Park	164	78	84	17	11	6	2	3	Holyhead	168	51	92	24	15	8	2	5		
Cambridge	195	59	65	33	9	1	1	2	Falmouth	159	52	81	43	11	12	4	3		
Birmingham	173	39	92	35	14	5	4	3	Markree Castle	—	—	—	—	—	—	—	—		
Richmond (Kew Obs.)	202	43	62	32	15	8	0	3	Armagh	136	86	91	35	11	3	1	2		
Southampton	165	60	75	40	13	7	3	2	Dublin (Phoenix Park)	168	63	80	36	11	4	0	3		
Renfrew	143	65	72	48	24	5	5	3	Birr Castle	150	64	91	41	15	3	0	1		
Eskdalemuir	128	52	81	39	28	15	11	11	Cahiriveen (Valentia Obs.)	105	53	118	53	16	11	8	1		

Wind Section.

TABLE X.—PARTICULARS OF ANEMOGRAPHS.

District and Station.	Type*	Anemograph in action from	"Analysis" published from	Height of Vane or Cups.			NOTES.
				Above Mean Sea Level.	Above Ground.	Above Building.	
o. SCOTLAND, N.				Ft.	Ft.	Ft.	
Lerwick ..	D †	1923	1923	310	42	33‡	
Deerness ..	R †	1862	1909	188	16	5	An anemograph was erected at Sandwick Manse in 1862, and remained in operation until June, 1869, when it was replaced by the instrument now at Deerness, which was at Sandwick until 1885; it was at Swanbister, 1886-1890, at Stenness, 1890-1891, and was erected at Deerness in April, 1891.
1. SCOTLAND, E.							
Aberdeen ..	R †	1868	1909	119	75	12	The Record ceased February, 1920.
" ..	d	1907	1909	153	105	52	The anemograph is situated in a field about ¼ mile east of the Observatory.
" ..	D †	1922	1922	70	42	33‡	
Balmakewan ..	D	1915	1915	140	25	18	
Edinburgh ..	D	1915	1915	485	39	31‡	
6a. SCOTLAND, W.							
Tiree ..	D	1926	1927	80	55	48‡	Record commenced 21st September, 1926.
Paisley ..	D	1914	1914	188	81	15	
Eskdalemuir ..	d †	1911	1911	825	50	22	Instrument replaced by one with direction-recorder attached in 1914.
" ..	D †	1914	1914	825	50	22	
2. ENGLAND, N.E.							
South Shields ..	D †	1909	1911	62	46	20	On 22nd April, 1917, the instrument was removed from Groyne Lighthouse and re-erected on the South Pier. A Robinson cup-anemograph was in action on the High Lighthouse at N. Shields from September, 1886 to 1910.
Spurn Head ..	D	1913	1914	67	41	35‡	From 1916 to 1927, an anemograph, type A, was in operation.
Cranwell ..	D †	1927	1927	284	44	26‡	
3. ENGLAND, E.							
Gorleston ..	D	1920	1920	52	42	33‡	From 1908 to 1920 an anemograph, type d, was in operation.
Felixstowe ..	A †	1925	1925	55	40	25	This instrument was also in operation 1918 to April, 1922, analysis published from May, 1920 to March, 1922.
Shoeburyness ..	D	1902	1909	115	104	14‡	
4. MIDLAND COUNTIES.							
Birmingham ..	D	1923	1924	643	118	18	
5. ENGLAND, S.E.							
Richmond (Kew Obs.) ..	R †	1868	1909	82	65	22	From 1896 to 1914, an anemograph, type d, was in operation.
" ..	D †	1914	1914	82	65	22	
Croydon ..	D †	1922	1922	284	40	24	
Dover ..	d	1923	1924	61	32	22	A similar instrument was in operation at Dover on a different site from 1914 to 1917.
Lympne ..	D †	1922	1922	409	70	55‡	
Petersfield (Stoner Hill) ..	D	1922	1922	811	42	34‡	Record ceased March, 1927.
S. Farnboro' (Pyestock Tower)	D †	1921	1922	444	160	—	The anemograph is erected on the top of a chimney stack about 150 feet high.
Calshot ..	A †	1917	1920	55	45	31	
Worthy Down ..	D †	1926	1926	314	43	27	From 1922 to October, 1926, an anemobiograph was in operation at Andover.
Larkhill (Salisbury Plain)	A	1920	1920	526	51	34‡	The anemograph at Butler's Cross was dismantled in April, 1920, and removed to Larkhill; the "building" on which it now stands is an ancient tumulus.
7a. ENGLAND, N.W.							
Fleetwood ..	D	1923	1923	112	50	12	A Robinson cup-anemograph was in operation at Fleetwood from 1886 to November, 1923. The present Dines Anemograph, for which the record commenced 14th December, 1923, is erected on the same building.
Southport ..	D	1897	1909	77	59	45‡	
7b. N. WALES.							
Holyhead ..	R †	1870	1909	50	25	—	An anemobiograph is also in operation at this station.
" ..	D †	1920	1920	64	45	29‡	From 1895 to 1920, an anemograph, type d, was in operation.
Sealand ..	D †	1927	1927	81	65	49‡	Instrument installed October, 1927. From 1924 to February, 1927, an anemograph, type A, was in operation.
8b. ENGLAND, S.W.							
Plymouth ..	d	1908	1909	185	88	2	
Falmouth ..	R †	1868	1909	208	41	13	The position of the observatory at Falmouth was changed in May, 1885.
Pendennis Castle	d	1902	1909	256	65	24	Instrument out of action October, 1924 to November, 1926.
Lyme Regis ..	A	1916	1916	554	59	56‡	Record ceased September, 1927.
9. IRELAND, N.							
Dunfanaghy ..	d	1926	1927	180	47	39	Record commenced 21st November, 1926. Defective during July and August, 1927.
Aldergrove ..	D †	1927	1927	282	40	27‡	Record commenced 9th March, 1927.
Armagh ..	R †	1868	1909	246	50	—	
10. IRELAND, S.							
Kingstown ..	R †	1900	1909	49	27	16	A Robinson cup-anemograph of the original pattern was in operation at Kingstown from 1856 to 1895.
Quilty ..	d	1911	1911	100	40	32‡	
Cahirciveen (Valentia Obs.)	R †	1868	1909	75	45	7	Prior to March, 1892, the site of the Observatory was on Valentia Island.
" ..	D	1917	1917	98	41	34‡	
Weaver Point ..	d	1905	1909	160	30	21‡	Prior to July, 1914, the anemograph was at Roches Point. Record defective September 1927.
11. SCILLY ISLES.							
St. Mary's ..	R ¹ †	1879	1909	150	19	—	Instrument dismantled November, 1927.
" ..	d	1895	1909	150	32	‡	Records ceased March, 1925.
" ..	D	1924	1925	160	42	35‡	Instrument installed 12th September, 1924. Records defective after 25th September, 1927.
" ..	D	1927	—	230	65	17	Erected at Telegraph Stn. in November, 1926. From 25th September, 1927, values were utilized to complete printed summaries.

* A Anemobiograph with direction recorder. R Robinson cup-anemograph: standard size, 9-in. cups, 2-ft. arms; factor used, 2.2. R¹ Robinson cup-anemograph: smaller size, 5-in. cups, 1-ft. arms; factor used, 2.8. D Dines tube-anemograph and direction recorder. d Dines tube-anemograph without direction recorder. † Standard mounting. ‡ Hourly values are available. Hourly readings or hourly means have been published for varying periods for Deerness, Aberdeen, Eskdalemuir, Richmond, Southport, Falmouth, Armagh and Cahirciveen.

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

District and Station.	Distribution of Wind. ‡									Extreme Velocities.											
	More than 38 mi/hr.			25 to 38 mi/hr.		13 to 24 mi/hr.	4 to 12 mi/hr.	Less than 4 mi/hr.	No Record.	Highest Hourly Wind.					Highest Gust.						
	No. of Days.	Duration		No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.	Mid. Time.		Speed.		Date.						
		1927.	Average. ¶								month.	day.	hour.	mi/hr.	m/s.	month.	day.	h. m.			
o. Lerwick ..	21	114	206	153	1,426	3,525	2,854	801	40	240	66	29	Jan.	28	22	92	41	Jan.	28	23	30
Deerness (Cup Anr.)	15	62	95	119	932	3,378	3,471	555	362	280	53	24	Jan.	26	24	—	—	—	—	—	—
1. Aberdeen ..	—	0	2†	36	261	2,091	5,419	989	0	50	37	17	Dec.	22	24	70	31	Jan.	28	16	30
Balmakewan ..	—	0	1	6	29	960	(4,360)	(3,238)	173	220	36	16	Jan.	28	16	64	29	Jan.	28	13	5
Edinburgh ..	7	26	22	69	353	3,136	4,005	1,240	0	210	50	22	Jan.	28	14	85	38	Jan.	28	15	40
6a. Tiree ..	16	81	16	162	1,538	4,109	2,605	427	0	240	66	29	Jan.	28	15	108	48	Jan.	28	15	30
Paisley ..	2	4	1	12	47	1,175	5,321	2,213	0	180	42	19	Jan.	26	16	104	47	Jan.	28	16	10
Eskdalemuir ..	11	33	44	99	565	2,921	3,438	1,803	0	210	54	24	Jan.	28	13	88	39	Jan.	28	12	55
2. South Shields ..	3	7	17	64	358	2,559	4,240	1,547	49	280	44	20	Oct.	2	16	74	33	Oct.	29	3	20
Spurn Head ..	10	48	35	133	1,005	4,161	3,189	336	21	230	49	22	Oct.	29	3	72	32	Oct.	29	2	5
Cranwell ..	2	8	2	48	253	2,837	4,412	1,222	28	240	49	22	Oct.	28	24	80	36	Oct.	29	0	25
3. Gorleston ..	5	17	13	63	518	2,894	4,502	758	71	40	44	20	Dec.	26	22	61	27	Oct.	29	1	10
Felixstowe ..	1	2	3	59	359	3,321	(3,316)	(1,762)	0	200	40	18	Jan.	29	5	52	23	Jan.	29	4	50
Shoeburyness ..	9	51	17	65	463	3,118	4,934	1,937	57	190	48	21	Jan.	29	5	64	29	Dec.	27	0	30
4. Birmingham ..	—	0	0.5	17	48	2,170	5,596	946	0	240	38	17	Oct.	28	24	67	30	Jan.	29	4	30
5. Richmond (Kew Obs.)	—	0	0.1	15	56	1,903	5,142	1,659	0	220	34	15	Jan.	28	14	56	25	Oct.	29	0	15
Croydon ..	—	0	0	7	25	1,633	5,678	1,424	0	50	28	13	Dec.	28	13	49	22	Jan.	28	18	30
Dover ..	8	73	7	85	537	3,522	4,021	461	146	—	46	21	Dec.	{ 27 } { 28 } { 23 }	3	61	27	Dec.	27	3	40
Lympne ..	8	26	17	72	501	3,518	4,378	335	2	230	45	20	Jan.	29	6	68	30	Jan.	29	6	5
S. Farnboro' (Pye'k Tr.)	—	0	12	40	100	2,054	5,182	1,405	19	260	35	16	Jan.	29	7	68	30	Jan.	29	6	40
Calshot ..	1	2	17	98	618	4,109	(3,416)	(596)	19	190	43	19	Jan.	29	3	64	29	Jan.	29	7	0
Worthy Down ..	—	0	2	29	115	1,830	4,817	1,983	15	180	38	17	Jan.	29	3?	57	25	Feb.	28	19	0
Larkhill (S'y Plain)	6	16	12	88	583	4,111	(3,736)	(314)	0	200	44	20	Jan.	28	15	63	28	Jan.	29	3	10
7a. Fleetwood ..	13	42	87	98	654	3,435	3,514	1,115	0	250	59	26	Oct.	29	2	78	35	Oct.	29	2	15
Southport ..	17	85	115	125	923	3,666	3,700	386	0	250	70	31	Oct.	28	24	96	43	Oct.	29	0	10
7b. Holyhead ..	17	58	83	136	1,048	4,104	2,851	699	0	240	57	25	Oct.	28	22	84	38	Jan.	28	12	30
8b. Plymouth ..	14	53	46	96	675	3,643	3,503	802	84	—	55	25	Jan.	28	24	69	31	Oct.	28	23	45
Pendennis Castle	44	302	263	184	1,545	3,625	2,457	772	59	—	58	26	Jan.	28	12	92	41	Jan.	29	0	5
10. Kingstown (Cup Anr.)	14	60	61	160	1,172	3,568	3,103	757	100	240	66	29	Oct.	28	22	—	—	—	—	—	—
Quilty ..	7	46	52	118	817	4,035	3,140	651	71	—	55	24	Oct.	28	19	85	38	Oct.	28	18	55
Cahiriveen (Val. Obs.)	6	17	17	101	635	4,244	3,079	785	0	260	48	21	Oct.	28	17	78	35	Oct.	28	17	25
11. Scilly, St. Mary's§	28	177	104	183	1,976	4,156	2,101	350	0	310	68	30	Mar.	31	21	85	38	Mar.	31	21	15

* A similar Table for Cup-Anemographs only was first published in 1909. † This average is for a period from the first year of analysis to 1927. ‡ Brackets () indicate that the distribution as between winds above and below 4 mi/hr. is doubtful, but the total number of hours with winds below 12 mi/hr. is reliable. § Records from Scilly (Telegraph) utilized from 25th September, 1927 see Table X.

TABLE XII [FIRST Published 1914].—DISTRIBUTION OF DAYS on which maximum hourly wind (a) exceeded 38 mi/hr. (17.1 m/s) and (b) exceeded 24 mi/hr. (10.7 m/s.)

District and Station.	† More than 38 mi/hr. or 17.1 m/s.												† More than 24 mi/hr. or 10.7 m/s.													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	Number of Days.																									
o. Lerwick ..	7	1	1	5	0	0	0	0	0	0	4	2	21	21	10	14	19	11	6	1	6	13	12	25	15	153
Deerness ..	8	0	0	3	0	0	0	0	0	0	2	2	15	19	7	7	19	7	7	2	1	5	11	19	15	119
1. Aberdeen ..	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	5	0	0	0	0	0	2	6	7	36
Balmakewan ..	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	1	1	0	6
Edinburgh ..	3	0	0	0	0	1	0	0	0	1	2	0	7	17	4	6	9	2	4	1	2	4	8	12	0	69
6a. Tiree ..	6	1	0	0	0	1	0	0	0	1	5	2	16	27	9	16	16	7	11	4	4	15	12	20	21	162
Paisley ..	2	0	0	0	0	0	0	0	0	0	0	0	2	6	0	1	0	0	1	0	0	1	2	1	0	12
Eskdalemuir ..	3	0	1	0	0	0	0	0	3	3	1	0	11	20	3	8	12	2	6	2	1	7	11	17	10	99
2. South Shields ..	1	0	0	0	0	0	0	0	2	0	0	0	3	16	2	6	7	4	3	3	0	5	5	6	7	64
Spurn Head ..	1	0	1	0	0	0	0	0	1	3	2	2	10	12	6	13	14	3	7	7	7	16	14	17	17	133
Cranwell ..	0	0	0	0	0	0	0	0	2	0	0	2	8	7	2	8	9	0	2	0	2	4	6	4	3	48
3. Gorleston ..	1	0	0	0	0	0	0	0	0	1	3	5	7	6	5	11	2	2	4	2	3	4	2	5	16	63
Felixstowe ..	1	0	0	0	0	0	0	0	0	0	0	1	6	4	10	1	0	4	1	3	4	6	7	13	59	
Shoeburyness ..	2	1	0	0	0	0	0	0	0	2	4	9	8	5	11	1	2	3	2	2	4	6	8	13	65	
4. Birmingham ..	0	0	0	0	0	0	0	0	0	0	0	0	5	1	2	2	1	0	0	0	1	3	0	2	17	
5. Richmond (Kew Obs.)	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	0	4	2	5	15
Croydon ..	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	4	7
Dover ..	1	0	0	0	0	1	0	0	0	1	1	4	8	9	9	8	4	2	6	5	5	7	7	10	13	85
Lympne ..	2	1	0	0	0	0	0	0	0	0	5	8	9	8	13	6	2	5	4	5	4	6	2	8	72	
S. Farnboro' ..	0	0	0	0	0	0	0	0	0	0	0	0	6	3	2	1	0	1	0	1	0	4	20	2	40	
Calshot ..	1	0	0	0	0	0	0	0	0	0	0	1	12	4	12	5	4	8	7	10	7	8	6	15	98	
Worthy Down ..	0	0	0	0	0	0	0	0	0	0	0	0	4	2	7	2	0	3	0	1	3	3	0	4	29	
Larkhill ..	2	1	0	0	0	0	0	0	1	0	2	6	15	6	13	7	2	8	6	6	6	7	5	7	88	
7a. Fleetwood ..	4	0	2	1	1	1	0	0	4	0	0	13	18	2	9	13	3	11	1	4	13	9	8	7	98	
Southport ..	6	0	2	2	1	2	0	0	2	1	1	0	17	19	3	12	22	4	12	2	7	17	12	11	4	125
7b. Holyhead ..	6	0	2	0	0	1	0	0	3	0	5	17	20	7	14	12	6	10	2	2	16	13	19	15	136	
8b. Plymouth ..	4	3	0	1	0	1	1	0	1	1	0	2	14	11	7	13	7	4	4	7	11	4	9	5	14	96
Pendennis ..	8	4	4	2	0	1	2	2	1	5	1	14	44	23	13	20	11	14	13	9	17	12	13	16	23	184
9. Dunfanaghy ..	6	1	1	2	0	2	—	—	2	4	1	0	—													

TABLE XIII [FIRST Published 1900†].—OCCASIONS ON WHICH THE MEAN HOURLY WIND was 47 mi/hr. (20·8 m/s.) or more.

For an anemograph at 33 ft. above ground in the open the limit corresponds with that of Force 9 (Strong Gale) on the Beaufort Scale. Upon a plate exposed normally to it, a wind of 47 mi/hr. exerts pressure on the front and suction on the back, of which the resultant is about 3·2 mb. (6½ lb. weight per sq ft.).

The pressure equivalents of winds of stated velocities are given in the *Meteorological Observer's Handbook*.

[The highest Mean Velocity measured in this way which has been recorded at M.O. stations in the British Isles is 78 mi/hr. (35 m/s.) at Fleetwood on 22nd December, 1894, corresponding with a pressure of about 8·8 mb. (18 lb. weight per square foot).]

District and Station.	Date.	Maximum Hourly Wind.			Maximum Speed in a gust during the day.		Hours for which mean speed exceeded 38 mi/hr.			
		Hour.	Direction.	Speed.	Time.	Speed.				
0 Lerwick ..	January 4 ..	10	°	mi/hr. 47	m/s. 21	h. m. 10 5	mi/hr. 68	m/s. 30	8h. to 11h.	
	" 27 ..	3		270	51	23	4 40	74	33	3h. to 7h.
	" 28 ..	22		240	65	29	23 30	92	41	15h. 28th to 6h. 29th.
	November 23 ..	18		160	51	23	19 20	70	31	1h. ; 6h. to 23h.
	" 28 ..	19		210	55	25	18 45	84	38	12h. to 23h.
Deerness	January 26 ..	24		280	53	24	—	—	—	24h. 26th to 2hr. 27th.
	" 28 ..	21		240	51	23	—	—	—	16h. ; 17h. ; 19h. to 22h.
1. Edinburgh	January 28 ..	14	210	50	22	15 40	85	38	2h. ; 4h. ; 7h. ; 10h. to 17h.	
6a. Tiree ..	January 24 ..	11	160	47	21	9 25	74	33	9h. to 14h.	
	" 26 ..	18	300	51	23	17 50	80	36	17h. to 20h.	
	" 27 ..	24	230	47	21	16 15	69	31	16h. to 18h. ; 23h. ; 24h.	
	" 28 ..	15	240	66	29	15 30	108	48	1h. ; 8h. to 20h. ; 22h.	
	October 29 ..	2	290	47	21	1 50	67	30	1h. to 3h.	
	December 5 ..	19	150	47	21	16 15	68	30	6h. 5th to 5h. 6th.	
Eskdalemuir	January 26 ..	19	260	48	21	19 15	75	33	15h. to 20h.	
	" 28 ..	13	210	54	24	12 55	88	39	9h. to 18h.	
	October 27 ..	5	200	48	21	5 5	67	30	4h. to 6h.	
2. Spurn Head	October 2 ..	16	250	48	21	15 25	68	30	15h. to 18h.	
	" 29 ..	3	230	49	22	2 5	72	32	23h. 28th to 7h. 29th.	
Cranwell	October 29 ..	1	240	49	22	0 25	80	36	21h. 28th to 4h. 29th.	
3. Shoebury-ness	January 29 ..	5	190	48	21	4 30	64	29	2h. to 5h. ; 8h.	
7a. Fleetwood	January 29 ..	9	260	54	24	8 50	74	33	9h. ; 10h.	
	October 29 ..	2	250	59	26	2 15	78	35	20h. 28th to 5h. 29th.	
Southport	January 12 ..	24	250	56	25	23 45	72	32	22h. 12th to 8h. 13th.	
	" 29 ..	9	250	52	23	9 5	77	34	8h. to 12h.	
	March 2 ..	23	280	48	21	22 30	72	32	21h. 2nd to 7h. 3rd.	
	October 2 ..	13	250	52	23	12 55	69	31	12h. to 17h.	
	" 28 ..	24	250	70	31	23 45	91	41	21h. to 24h.	
	" 29 ..	1	260	67	30	0 10	96	43	1h. to 7h.	
7b. Holyhead	January 12 ..	24	260	48	21	22 55	73	33	22h. 12th to 1h. 13th.	
	" 28 ..	12	200	47	21	12 32	84	38	10h. to 12h.	
	October 28 ..	22	240	57	25	21 45 23 46	84	38	18h. 28th to 3h. 29th.	
8b. Plymouth	January 26 ..	10	—	51	23	10 50	66	29	6h. to 11h.	
	" 28 ..	24	—	55	25	23 45	69	31	9h. to 18h. ; 23h. 28th to 3h. 29th.	
	February 28 ..	11	—	47	21	10 30	64	29	9h. to 15h.	
	September 29 ..	8	—	47	29	8 50	59	26	4h. to 9h.	

†For the years 1900 to 1914 the table of "Strong Gales" was given in the Annual Report of the Meteorological Council, and for 1905, 1906 in the Annual Summary of the Monthly Weather Report for those years. Prior to 1908 the limit of velocity was taken to be 44 miles per hour.

TABLE XIII (continued).—OCCASIONS ON WHICH THE MEAN HOURLY WIND was 47 mi/hr. (20·8 m/s.) or more.

District and Station.	Date.	Maximum Hourly Wind.			Maximum Speed in a gust during the day.		Hours for which mean speed exceeded 38 mi/hr.		
		Hour.	Direction.	Speed.	Time.	Speed.			
Pendennis	January 25 ..	2	°	mi/hr. 47	m/s. 21	h. m. 2 30	mi/hr. 60	m/s. 27	1h. to 6h.
	" 26 ..	8	—	57	25	9 35	78	35	5h. to 13h.; 24h.
	" 28 ..	12	—	58	26	23 55	73	33	4h. to 7h.; 23h.; 24h.
	" 29 ..	1	—	54	24	4 25	92	41	1h. to 5h.; 19h.
	February 26 ..	13	—	47	21	13 30	64	29	12h. to 14h.; 16h. to 24h.
	" 27 ..	2	—	52	23	2 0	74	33	1h. to 12h.; 24h.
	" 28 ..	11	—	53	24	17 40	68	30	1h.; 4h. to 20h.
	March 25 ..	16	—	48	21	17 30	73	33	9h.; 21h.; 12h. to 19h.
	" 31 ..	17	—	54	24	23 50	71	32	12h. 31st to 1h. 1st.
	September 29 ..	7	—	50	22	6 25	66	29	5h. to 8h.
	October 27 ..	2	—	48	21	5 25	61	27	1h. to 8h.
	" 28 ..	16	—	56	25	15 35	75	33	10h. to 22h.
	December 11 ..	19	—	56	25	18 55	69	31	7h. 11th to 3h. 12th.
" 19 ..	8	—	51	23	8 25	64	29	16h. 18th to 23h. 19th.	
" 28 ..	19	—	47	21	19 25	61	27	11h. 28th to 6h. 29th.	
9. Dunfanaghy	January 12 ..	22	—	57	25	22 20	88	39	21h. to 24h.
	" 26 ..	15	—	50	22	15 10	76	34	15h.; 16h.
	" 28 ..	14	—	74	33	13 40	109	49	22h. 27th to 3h. 28th; 7h.; 8h.; 10h. to 18h.
	June 21 ..	5	—	54	24	5 10	87	39	5h. to 9h.
	September 8 ..	24	—	48	21	21 0	70	31	18h. 8th to 2h. 9th.
	October 27 ..	4	—	47	21	3 40	68	30	4h.; 5h.
" 28 ..	24	—	51	23	23 35	73	33	23h. 28th to 1h. 29th.	
10. Kingstown	January 12 ..	{ 21	240	56	25	—	—	—	18h. to 23h.
	" 27 ..	23	250						
	" 28 ..	24	210	50	22	—	—	—	22h. to 24h.
	" 28 ..	11	210	47	21	—	—	—	1h. to 3h.; 8h. to 14h.
	October 2 ..	11	250	49	22	—	—	—	9h.; 11h. to 13h.
" 28 ..	22	240	66	29	—	—	—	20h. 28th to 3h. 29th.	
Quilty ..	January 12 ..	17	—	47	21	22 40	72	32	14h. to 24h.
	" 13 ..	11	—	48	21	11 5	74	33	1h. to 3h.; 5h. to 18h.
	" 28 ..	11	—	53	24	11 5	79	35	5h. to 14h.
	October 28 ..	19	—	55	24	18 55	85	38	19h. to 22h.
Cahirciveen	January 28 ..	10	230	47	21	8 40	77	35	6h. to 11h.
	October 28 ..	17	260	48	21	17 30	78	35	17h. to 19h.
Weaver Point	January 28 ..	10	—	51	23	10 20	76	34	1h. to 11h.
	October 28 ..	17	—	60	27	18 0	89	40	13h. to 20h.
11. Scilly ..	January 13 ..	17	300	55	25	16 25	74	33	1h.; 3h.; 6h.; 8h.; 14h. to 23h.
	" 29 ..	4	270	49	22	7 50	68	30	1h. to 4h.; 17h.
	March 25 ..	17	280	51	23	15 35	77	34	6h. to 9h.; 12h. 25th to 3h. 26th.
	" 31 ..	21	310	68	30	21 15	85	38	14h. 31st to 6h. 1st.
	October 28 ..	15	230	53	24	15 5	77	24	10h. to 22h.
December 23 ..	2	250	48	21	1 25	68	30	1h. to 3h.; 6h.; 7h.; 9h.; 10h.	

TABLE XIV [First Published 1908].—DATES on which GUSTS of 55 mi/hr. (24·5 m/s.) or more occurred.

For an anemograph at 33 ft. above ground in the open the limit corresponds with that of Force 10 (Whole Gale) on the Beaufort Scale.

Upon a plate exposed normally to it, a wind of 55 mi/hr. exerts pressure on the front and suction on the back, of which the resultant is about 4·4 mb. (9 lb. weight per square foot).

Up to 1916 fuller details were given in this table. The time of occurrence of the maximum gust each week or month can be found by reference to the *Weekly Weather Report* or *Monthly Weather Report*.

o Lerwick	Jan. 2, 4, 9, 10, 13, 27, 28, 29; Feb. 3; Mar. 24; Apr. 5, 11, 22, 27; Aug. 27, 28; Sept. 28; Oct. 1, 3; Nov. 6, 7, 10, 23, 28; Dec. 5, 6.
1 Aberdeen	Jan. 26, 28; Oct. 27.
Balmakewan	Jan. 28.
Edinburgh	Jan. 9, 24, 26, 27, 28; Apr. 22; June 21; Sept. 28; Oct. 2, 27, 29; Nov. 1, 23, 26, 28.
6a Tiree	Jan. 4, 13, 24, 26 to 29; Feb. 3; Mar. 2, 15; Aug. 27; Sept. 8; Oct. 27, 29; Nov. 3, 5, 6, 7, 9, 18, 23, 25, 28; Dec. 5, 6.
Paisley	Jan. 24, 26 to 28; Apr. 20; June 21; Sept. 28; Oct. 2, 27; Nov. 23.
Eskdalemuir	Jan. 9, 10, 12, 13, 24, 26, 27, 28; Mar. 3; Apr. 22; Sept. 28, 29; Oct. 2, 27, 28, 29; Nov. 23.
2 South Shields	Jan. 2, 10, 13, 26, 28; Mar. 3; June 21; Oct. 2, 27, 29.
Spurn Head	Jan. 27, 28, 29; Mar. 3; Apr. 25; June 21; Oct. 2, 28, 29; Nov. 21; Dec. 26.
Cranwell	Jan. 28; Mar. 25; Oct. 2, 28, 29.
3 Gorleston	Jan. 29; Oct. 28, 29; Dec. 26.
Shoeburyness	Jan. 27, 28, 29; Feb. 28; Mar. 26; Oct. 29; Dec. 26, 27, 28, 29.
4 Birmingham	Jan. 26, 27, 28, 29; Oct. 28, 29.
5 Richmond	Jan. 28.
Dover	Jan. 29; Mar. 25; June 24; Sept. 23; Oct. 28, 29; Nov. 20; Dec. 23, 26, 27, 28, 29.
Lympe	Jan. 29; Feb. 27; Mar. 25; Sept. 23; Dec. 22, 26, 27, 28, 29.
South Farnborough	Jan. 28, 29; Feb. 28.
Calshot	Jan. 29.
Worth Down	Jan. 28, 29; Feb. 28.
Larkhill	Jan. 28, 29.
7a Fleetwood	Jan. 4, 12, 13, 26, 27, 28, 29; Mar. 2; Apr. 25; Oct. 2, 28, 29; Nov. 9, 21.
Southport	Jan. 12, 13, 26, 27, 28, 29; Mar. 2, 3; June 25; Sept. 18; Oct. 2, 28, 29; Nov. 5, 9.
7b Holyhead	Jan. 12, 13, 26, 27, 28, 29; Mar. 2, 3, 25; Sept. 29; Oct. 2, 28, 29; Dec. 25, 26.
Sealand	Jan. 26, 28, 29; Oct. 2, 17, 28, 29; Nov. 9.
8b Plymouth	Jan. 26, 28, 29; Feb. 22, 26, 27, 28; Mar. 25, 31; Apr. 1; Sept. 29; Oct. 28; Dec. 11, 27, 28.
Pendennis Castle	Jan. 12, 13, 24, 25, 26, 27, 28, 29, 30; Feb. 22, 26, 27, 28; Mar. 23, 25, 26, 31; Apr. 1; Aug. 27; Sept. 23, 29; Oct. 1, 2, 27, 28; Nov. 6, 9; Dec. 5, 6, 11, 12, 18, 19, 22, 23, 26, 27, 28, 29.
9 Dunfanaghy	Jan. 2, 8, 9, 12, 13, 26, 27, 28, 29, 30; Feb. 3, 5; Mar. 2; Apr. 4, 5, 13, 20, 22, 25; June 21, 25; Sept. 8, 9; Oct. 2, 25, 27, 28, 29; Nov. 3, 5; Dec. 5.
Aldergrove	Apr. 25; June 21; Oct. 2, 27, 28, 29.
10 Quilty	Jan. 4, 12, 13, 20, 26, 27, 28; Mar. 2, 25, 30; Oct. 27, 28; Nov. 5.
Cahirciveen	Jan. 12, 13, 21, 24, 27, 28, 29; Mar. 25, 30, 31; July 3; Oct. 2, 26, 27, 28; Dec. 16, 19, 20.
Weaver Point	Jan. 12, 13, 24, 26, 27, 28, 29; Feb. 26; Mar. 2, 4, 5, 22, 25, 30; Sept. 28; Oct. 2, 25, 26, 27, 28; Nov. 6, 18; Dec. 5, 18, 19.
11 Scilly*	Jan. 7, 12, 13, 20, 26, 27, 28, 29, 31; Feb. 26, 27, 28; Mar. 25, 26, 30, 31; Apr. 1; Sept. 29; Oct. 1, 23, 27, 28; Nov. 5, 6, 9; Dec. 5, 6, 11, 18, 19, 22, 23, 25, 26, 27.

* See "Notes" column of Table X.

NOTE.

A short list of the noteworthy gales of the year is to be found on page 170.

TABLE XV [1912]. MAXIMUM SPEED in a Gust recorded by Tube Anemographs during each Month of 1927, and the HIGHEST SPEED in a Gust on record for each station. Unit, metre per second†.

District and Station and date of first appearance in this Table.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	G. (Mean of Monthly Maxima.)	Highest Gust on Record.	
	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	Speed.	Date.
o. Lerwick .. 1923	41	29	29	—	19	20	17	30	25	25	38	28	27	43	Jan. 14 1925
1. Aberdeen .. 1912	31	20	21	24	16	20	13	18	20	25	21	24	21	37	Oct. 25 1917
Balmakewan .. 1915	29	17	17	21	18	18	13	18	17	24	18	17	19	37	Dec. 3 1920
Edinburgh .. 1915	38	23	21	25	19	29	17	21	27	32	27	21	25	38	Jan. 28 1927
6a. Tiree .. 1927	48	25	25	23	20	24	19	25	25	30	28	30	27	48	Jan. 28 1927
Paisley .. 1914	47	22	21	26	19	32	16	21	26	37	27	19	26	47	Jan. 28 1927
Eskdalemuir .. 1912	39	23	29	26	22	22	16	21	26	33	25	22	25	40	Oct. 25 1917
2. South Shields .. 1912	31	21	25	22	20	26	18	16	20	33	24	24	23	36	Apr. 8 1912
Spurn Head .. 1913	29	17	26	26	21	25	17	19	23	32	25	25	24	35	Mar. 6 1914
Cranwell .. 1921	25	20	25	21	19	21	19	23	21	36	20	21	23	36	Oct. 29 1927
3. Gorleston .. 1912	26	21	22	21	18	21	17	18	23	27	22	25	22	35	Nov. 6 1921
Felixstowe .. 1925	23	19	20	18	17	21	16	20	23	22	21	23	20	29	Nov. 6 1921
Shoeburyness .. 1912	29	26	25	21	16	24	17	21	24	25	24	27	23	35	Feb. 11 1925
4. Birmingham .. 1924	29	21	23	21	21	20	19	20	22	30	20	20	22	35	Feb. 9 1925
5. Richmond .. 1912	25	20	19	21	15	17	17	21	17	24	19	20	20	32	Mar. 28 1916
Croydon .. 1922	21	21	21	17	16	17	16	19	15	22	17	20	19	29	July 6 1922
Dover .. 1924	25	21	25	18	20	25	21	24	25	27	25	27	24	29	Dec. 27 1924
Lympne .. 1923	30	27	26	19	20	24	18	21	25	24	23	27	24	31	Jan. 2 1925
S. Farnborough .. 1922	30	25	22	22	18	22	17	20	19	23	21	21?	22	37	Jan. 2 1925
Calshot .. 1921	29	23	24	20	18	22	17	21	21	23	19	21	21	30	Mar. 8 1922
Worthy Down .. 1923	25	25	22	21	17	22	18	21	19	24	20	24	21	27	Nov. 27 1924
Larkhill .. 1921	28	23	22	21	17	21	16	20	17	24	19	23	21	27	Mar. 9 1926
7a. Fleetwood .. 1924	33	21	26	26	23	22	17	20	22	35	27	21	24	38	Jan. 18 1921
Southport .. 1912	34	19	32	24	22	25	17	19	25	43	26	19	25	43	May 10 1926
7b. Holyhead .. 1912	38	21	28	21	20	24	20	21	25	38	22	25	25	39	Oct. 29 1927
8b. Plymouth .. 1912	31	29	27	28	19	22	23	21	26	25	20	25	25	43	Feb. 16 1916
Pendennis .. 1912	41	33	33	29	20	24	24	24	29	33	25	31	29	46	Mar. 8 1905
9. Dunfanaghy .. 1927	49	26	25	27	23	39	—	—	31	33	27	25	27	39	Mar. 8 1922
Aldergrove .. 1927	—	—	24	28	20	25	21	18	20	31	19	22	23	31	June 21 1927
10. Quilty .. 1912	35	20	26	24	22	20	19	19	21	38	25	24	24	> 50	Oct. 28 1927
Cahiriveen .. 1917	35	23	29	23	24	21	25	20	20	35	22	29	25	43	Jan. 27 1920
Weaver Point .. 1914	34	29	29	22	20	21	20	20	—	40	25	25	26	40	Feb. 7 1923
11. Scilly .. 1912*	33	31	38	29	18	21	21	22	29	34	26	30	28	48	Oct. 28 1927

*Records for Scilly (Telegraph) used from 25th Sept. 1927.

See note in Table X.

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

TABLE XVI [1912].—MAXIMUM VALUE of the MEAN SPEED for an Hour measured as in Table XII during each Month of 1927. Unit, metre per second.†

District and Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	H (Mean of Monthly Maxima.)	Gust Ratio (For G. see Table XV.)
m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	m/s.	
o. Lerwick D	29	19	19	—	14	14	12	20	17	16	25	19	18	1.5
Deerness R	24	13	16	20	13	16	13	14	15	13	20	20	16	—
1. Aberdeen D	16	11	15	13	10	10	8	11	13	16	15	17	13	1.6
Balmakewan D	16	8	9	13	10	10	8	10	9	13	11	9	11	1.7
Edinburgh D	22	14	14	15	12	17	12	13	17	19	18	11	15	1.7
6a. Tiree D	29	17	17	17	13	17	13	17	16	21	20	21	18	1.5
Paisley D	19	11	11	11	10	13	8	8	12	14	13	9	12	2.2
Eskdalemuir D	24	16	20	18	16	15	12	14	18	21	17	16	17	1.5
2. South Shields D	18	13	16	15	14	14	13	9	14	20	14	15	15	1.5
Spurn Head D	17	13	18	17	17	17	13	13	17	22	20	18	17	1.4
Cranwell D*	16	12	15	14	10	12	10	12	12	22	12	13	13	1.8
3. Gorleston D	19	14	17	13	13	13	12	14	16	16	17	20	15	1.5
Felixstowe A	18	13	14	12	11	14	11	15	16	15	17	17	14	1.4
Shoeburyness D	21	19	15	12	12	15	12	14	16	17	19	20	16	1.4
4. Birmingham D	14	11	12	12	11	10	9	9	11	17	10	12	11	2.0
5. Richmond D	15	11	10	10	9	10	10	12	9	12	13	12	11	1.8
Croydon D	12	11	10	9	9	9	9	10	9	12	11	13	10	1.9
Dover d	18	13	14	13	14	17	13	16	17	18	20	21	16	1.5
Lympne D	20	18	16	14	13	17	13	15	15	17	16	18	16	1.5
South Farnborough D	16	15	11	13	9	11	10	12	10	15	12	12?	12	1.8
Calshot A	19	17	15	15	12	17	13	16	16	17	13	15	15	1.4
Worthy Down D	17	15	13	13	10	12	10	11	11	13	10	13	12	1.7
Larkhill A	20	17	16	16	14	17	12	14	14	18	14	18	16	1.3
7a. Fleetwood D	24	14	20	19	18	17	13	13	17	26	17	14	18	1.3
Southport D	23	14	21	18	18	19	13	15	17	31	19	13	18	1.4
7b. Holyhead D	21	13	19	15	16	17	13	13	16	25	16	18	17	1.5
8b. Plymouth d	25	21	17	17	13	17	18	14	21	19	14	17	18	1.4
Falmouth R	12	11	13	9	7	9	8	9	10	12	9	10	10	—
Pendennis d	26	24	24	17	16	19	18	18	22	25	19	25	21	1.4
9. Dunfanaghy d	33	19	17	18	17	24	—	—	21	23	18	13	18	1.5
Aldergrove D	—	—	13	11	12	14	11	11	11	17	11	13	12	1.9
Armagh R	21	12	11	10	9	9	9	10	11	13	11	13	12	—
10. Kingstown R	25	18	19	19	13	16	14	15	16	29	17	18	18	—
Quilty d	24	13	18	14	13	14	13	13	14	24	13	17	16	1.5
Cahiriveen D	21	13	18	14	13	14	14	13	12	21	15	18	15	1.7
Weaver Point d	23	18	18	14	14	13	13	13	—	27	19	19	17	1.5
11. Scilly D*	25	21	30	23	15	17	15	17	19	24	19	21	21	1.3

Note.—The highest mean speed recorded at M.O. Stations in the British Isles is 78 mi/hr., 35 m/s. This was recorded at Fleetwood on 22nd December, 1894.

* See note in Table X.

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

D Dines tube-anemograph and direction recorder. R Robinson cup-anemograph. A Anemobiograph with direction recorder. d Dines tube-anemograph without direction recorder.

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

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

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

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

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

LERWICK.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	4	0	0	0	0	0	1	0	0	3	0	1	3	2	0	5	1	0	1	4	0	2	0	0	19	7	1	4
February ..	2	0	0	0	0	0	0	0	0	3	0	0	8	0	0	3	0	0	7	0	0	1	0	0	24	0	0	4
March ..	2	0	0	0	0	0	2	0	0	2	3	1	5	1	0	4	1	0	3	0	0	0	0	0	18	5	1	7
April ..	5	3	0	1	1	0	0	0	0	0	1	1	2	1	0	2	0	0	3	1	0	5	2	0	18	9	1	2
May ..	5	5	0	2	1	0	1	1	0	0	3	0	4	0	0	2	0	0	2	0	0	3	0	0	19	10	0	2
June ..	9	1	0	1	0	0	1	0	0	2	0	0	6	1	0	2	0	0	2	0	0	3	0	0	26	2	0	2
July ..	8	0	0	1	0	0	2	0	0	3	0	0	7	0	0	2	0	0	1	0	0	2	0	0	26	0	0	5
August ..	3	0	0	3	0	0	1	1	0	3	0	0	8	0	0	3	0	0	3	0	0	2	0	0	26	1	0	4
September ..	6	3	0	0	1	1	0	1	0	1	2	0	4	1	0	5	0	0	3	0	0	0	0	0	19	8	1	2
October ..	2	1	0	0	1	0	3	0	0	2	0	0	2	0	0	8	0	0	3	0	0	3	1	0	23	3	0	5
November ..	2	2	0	0	1	0	0	0	0	1	4	1	5	0	1	2	0	0	3	0	0	4	0	0	17	7	2	4
December ..	3	1	0	1	1	0	1	0	0	7	2	1	3	3	0	1	0	0	1	0	0	1	0	0	18	7	1	5
Year ..	51	16	0	9	6	1	12	3	0	27	15	5	57	9	1	39	2	0	32	5	0	26	3	0	253	59	7	46

STORNOWAY.

January ..	2	0	0	0	0	0	1	0	0	0	1	0	1	3	0	3	7	0	2	3	0	1	3	0	10	17	0	4
February ..	1	0	0	0	0	0	0	2	0	1	1	0	2	3	0	3	6	0	3	0	0	0	0	0	10	12	0	6
March ..	3	0	0	0	1	0	0	1	0	0	4	0	0	0	0	2	4	0	1	0	0	4	1	0	10	11	0	10
April ..	3	4	0	0	0	0	0	0	0	0	0	0	0	1	0	3	5	0	7	1	0	2	1	0	15	12	0	3
May ..	2	4	0	2	3	0	2	2	0	2	0	0	1	0	0	2	0	0	3	1	0	3	0	0	17	10	0	4
June ..	6	2	0	1	0	0	1	2	0	1	0	0	1	1	0	0	2	0	1	0	0	3	3	0	14	10	0	6
July ..	0	0	0	8	1	0	1	0	0	0	0	0	1	1	0	2	1	0	2	0	0	0	0	0	14	3	0	14
August ..	0	0	0	4	2	0	2	1	0	0	1	0	3	1	0	3	2	0	1	0	0	0	0	0	13	7	0	11
September ..	5	2	0	4	0	0	2	0	0	1	1	0	2	0	0	1	1	0	2	2	0	1	2	0	18	8	0	4
October ..	1	2	0	0	1	0	0	1	0	0	0	0	1	0	0	6	3	0	1	1	0	3	1	0	12	9	0	10
November ..	2	4	0	0	0	0	0	2	0	1	2	0	1	2	0	1	4	1	0	1	0	3	2	0	8	17	1	4
December ..	0	1	0	1	3	0	2	1	0	3	4	0	2	5	0	2	0	0	0	0	0	0	0	0	10	14	0	7
Year ..	25	19	0	20	11	0	11	12	0	9	14	0	15	17	0	28	35	1	23	9	0	20	13	0	151	130	1	83

TABLE XVII (continued).—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

ABERDEEN.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	0	0	0	0	0	0	0	0	0	1	0	0	9	0	0	8	3	0	2	1	0	5	1	0	25	5	0	1
February ..	0	0	0	0	0	0	0	1	0	2	0	0	9	0	0	5	0	0	5	0	0	3	1	0	24	2	0	2
March ..	0	0	0	1	0	0	0	0	0	1	3	0	5	1	0	4	0	0	5	0	0	5	2	0	21	6	0	4
April ..	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	5	2	0	8	0	0	8	2	0	23	6	0	1
May ..	4	1	0	2	1	0	1	0	0	1	1	0	2	1	0	3	0	0	2	1	0	5	5	0	20	10	0	1
June ..	2	1	0	2	0	0	0	1	0	2	0	0	3	1	0	2	1	0	1	1	0	4	4	0	16	9	0	5
July ..	3	1	0	2	0	0	0	0	0	2	1	0	11	1	0	1	0	0	1	0	0	4	2	0	24	5	0	2
August ..	1	0	0	2	0	0	2	0	0	3	0	0	6	0	0	1	1	0	2	0	0	4	0	0	21	1	0	9
September ..	3	0	0	1	0	0	2	0	0	1	0	0	2	0	0	4	0	0	3	0	0	5	4	0	21	4	0	5
October ..	1	0	0	1	0	0	0	2	0	0	0	0	5	0	0	6	1	0	8	0	0	4	1	0	25	4	0	2
November ..	1	1	0	0	0	0	0	1	0	0	5	0	4	0	0	5	2	0	2	0	0	6	1	0	18	10	0	2
December ..	1	0	0	0	2	0	1	3	0	2	8	0	4	1	0	3	0	0	3	0	0	3	0	0	17	14	0	0
Year ..	16	5	0	11	4	0	6	8	0	15	18	0	62	5	0	47	10	0	42	3	0	56	23	0	255	76	0	34

ESKDALEMUIR.

January ..	2	0	0	0	0	0	0	0	0	0	0	0	4	3	0	3	9	0	1	5	0	1	1	0	11	18	0	2
February ..	2	0	0	1	0	0	0	0	0	0	0	0	6	0	0	6	2	0	0	1	0	0	0	0	15	3	0	10
March ..	5	1	0	1	0	0	1	0	0	0	1	0	1	5	0	2	1	0	0	4	0	0	2	0	10	14	0	7
April ..	2	0	0	0	1	0	0	0	0	0	0	0	1	1	0	3	4	0	2	2	0	1	7	0	9	15	0	6
May ..	1	2	0	6	4	0	1	1	0	1	1	0	2	0	0	1	4	0	1	0	0	0	1	0	13	13	0	5
June ..	1	1	0	4	1	0	0	1	0	2	0	0	2	1	0	0	4	0	2	3	0	2	3	0	13	14	0	3
July ..	3	2	0	5	1	0	0	0	0	2	1	0	4	2	0	2	2	0	0	1	0	1	0	0	17	9	0	5
August ..	8	1	0	2	0	0	1	0	0	1	0	0	3	0	0	5	3	0	0	0	0	1	0	0	21	4	0	6
September ..	2	1	0	4	3	0	0	0	0	0	0	0	1	1	0	1	2	0	2	2	0	1	2	0	11	11	0	8
October ..	3	0	0	1	1	0	1	0	0	2	0	0	3	0	0	0	4	1	0	2	1	1	1	0	11	8	2	10
November ..	2	2	0	1	1	0	0	2	0	1	1	0	4	3	0	1	5	0	0	0	0	0	2	0	9	16	0	5
December ..	6	1	0	6	6	0	1	4	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	16	12	0	3
Year ..	37	11	0	31	18	0	5	8	0	10	4	0	32	17	0	24	40	1	8	20	1	9	19	0	156	137	2	70

TYNEMOUTH.

January ..	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	6	2	0	8	5	0	3	0	0	24	7	0	0
February ..	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	5	0	0	13	1	0	1	0	0	27	1	0	0
March ..	1	0	0	0	0	0	2	0	0	1	0	0	6	2	0	9	0	0	6	2	0	2	0	0	27	4	0	0
April ..	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	19	2	0	2	0	0	27	3	0	0
May ..	5	1	0	1	0	0	2	0	0	2	0	0	2	0	0	3	0	0	8	1	0	5	0	0	28	2	0	1
June ..	3	1	0	0	0	0	2	0	0	1	0	0	2	1	0	3	1	0	11	0	0	3	1	0	25	4	0	1
July ..	8	2	0	0	0	0	1	0	0	3	0	0	7	0	0	5	0	0	1	0	0	2	0	0	27	2	0	2
August ..	1	0	0	1	0	0	2	0	0	1	0	0	7	0	0	6	1	0	5	0	0	4	0	0	27	1	0	3
September ..	2	0	0	2	0	0	1	0	0	2	0	0	1	1	0	6	0	0	11	1	0	3	0	0	28	2	0	0
October ..	2	0	0	0	1	0	0	0	0	0	0	0	5	0	0	8	1	0	9	1	1	3	0	0	27	3	1	0
November ..	0	0	0	1	1	0	0	2	0	0	3	0	2	0	0	7	0	0	8	1	0	5	0	0	23	7	0	0
December ..	2	0	0	2	2	0	8	1	0	5	1	0	6	2	0	2	0	0	0	0	0	0	0	0	25	6	0	0
Year ..	28	4	0	7	5	0	18	3	0	15	4	0	52	6	0	63	5	0	99	14	1	33	1	0	315	42	1	7

TABLE XVII (continued).—" WIND ROSE " DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

YARMOUTH (GORLESTON).

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	0	0	0	1	0	0	0	0	0	0	0	0	2	3	0	6	3	0	12	0	0	2	1	0	23	7	0	1
February ..	0	1	0	1	1	0	1	2	0	0	1	0	1	4	0	3	2	0	5	1	0	4	0	0	15	12	0	1
March ..	0	0	0	1	1	0	0	1	0	2	0	0	4	8	0	4	1	0	5	2	0	1	0	0	17	13	0	1
April ..	1	0	0	0	2	0	0	0	0	1	0	0	2	0	0	2	1	0	12	5	0	2	1	0	20	9	0	1
May ..	1	0	0	4	4	0	1	1	0	0	1	0	1	0	0	4	1	0	4	1	0	6	0	0	21	8	0	2
June ..	1	1	0	1	1	0	0	2	0	1	1	0	0	1	0	3	2	0	5	4	0	3	1	0	14	13	0	3
July ..	2	2	0	3	2	0	1	0	0	2	0	0	2	3	0	5	1	0	4	1	0	2	1	0	21	10	0	0
August ..	0	0	0	0	1	0	3	1	0	1	1	0	1	3	0	6	3	0	8	0	0	1	0	0	20	9	0	2
September ..	0	0	0	1	2	0	1	0	0	0	1	0	1	1	0	8	3	0	6	3	0	1	1	0	18	11	0	1
October ..	1	0	0	2	0	0	0	1	0	0	1	0	3	3	0	3	3	0	10	1	0	3	0	0	22	9	0	0
November ..	0	1	0	1	2	0	0	4	0	0	2	0	0	0	0	9	2	0	6	0	0	1	1	0	17	12	0	1
December ..	2	0	0	0	1	1	1	10	0	2	4	0	1	2	0	1	0	0	3	0	0	1	0	0	11	17	1	2
Year ..	8	5	0	15	17	1	8	22	0	9	12	0	18	28	0	54	22	0	80	18	0	27	6	0	219	130	1	15

EDGBASTON.

January ..	0	0	0	1	0	0	0	0	0	2	0	0	4	2	0	9	5	0	5	2	0	1	0	0	22	9	0	0
February ..	0	1	0	1	0	0	3	0	0	3	1	0	3	1	0	5	2	0	2	0	0	5	0	0	22	5	0	1
March ..	2	0	0	2	0	0	0	0	0	5	0	0	5	4	0	5	2	0	3	2	0	1	0	0	23	8	0	0
April ..	2	1	0	2	0	0	0	0	0	0	0	0	1	0	0	9	0	0	5	1	0	4	5	0	23	7	0	0
May ..	3	0	0	6	1	0	4	1	0	2	0	0	2	0	0	3	0	0	4	0	0	3	1	0	27	3	0	1
June ..	0	0	0	3	0	0	4	0	0	2	0	0	1	0	0	3	1	0	5	4	0	5	2	0	23	7	0	0
July ..	4	1	0	4	0	0	2	0	0	3	0	0	7	1	0	5	0	0	1	0	0	2	0	0	28	2	0	1
August ..	1	0	0	2	0	0	3	0	0	2	1	0	6	1	0	9	2	0	2	0	0	2	0	0	27	4	0	0
September ..	3	0	0	0	1	0	2	0	0	1	0	0	3	0	0	7	3	0	3	2	0	4	0	0	23	6	0	1
October ..	2	1	0	2	0	0	3	0	0	1	0	0	2	4	0	3	3	0	1	1	0	6	0	0	20	9	0	2
November ..	2	1	0	2	0	0	2	1	0	3	1	0	2	0	0	5	2	0	2	0	0	4	3	0	22	8	0	0
December ..	0	0	0	5	5	0	6	2	0	9	0	0	2	1	0	0	0	0	0	0	0	1	0	0	23	8	0	0
Year ..	19	5	0	30	7	0	29	4	0	33	3	0	38	14	0	63	20	0	33	12	0	38	11	0	283	76	0	6

RICHMOND (KEW OBSERVATORY).

January ..	2	0	0	0	0	0	0	0	0	0	0	0	2	2	0	15	2	0	5	0	0	0	1	0	24	5	0	2
February ..	1	0	0	3	1	0	0	0	0	0	0	0	6	0	0	7	2	0	3	0	0	1	1	0	21	4	0	3
March ..	2	0	0	1	0	0	3	0	0	1	0	0	4	2	0	10	1	0	2	2	0	0	0	0	23	5	0	3
April ..	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	7	1	0	6	3	0	4	1	0	21	6	0	3
May ..	5	1	0	4	2	0	5	0	0	1	0	0	1	0	0	3	0	0	3	1	0	2	0	0	24	4	0	3
June ..	2	0	0	3	2	0	0	0	0	1	0	0	3	0	0	3	2	0	6	4	0	3	0	0	21	8	0	1
July ..	8	1	0	2	0	0	3	0	0	0	1	0	5	1	0	5	1	0	3	0	0	0	0	0	26	4	0	1
August ..	1	0	0	2	0	0	3	1	0	1	0	0	5	0	0	8	3	0	3	0	0	1	0	0	24	4	0	3
September ..	3	0	0	2	0	0	0	1	0	0	0	0	4	0	0	10	2	0	4	1	0	1	0	0	24	4	0	2
October ..	3	0	0	4	0	0	1	0	0	1	0	0	2	0	0	5	5	0	5	0	0	0	0	0	21	5	0	5
November ..	3	1	0	1	0	0	2	2	0	1	1	0	1	1	0	7	1	0	3	0	0	3	0	0	21	6	0	3
December ..	2	0	0	6	4	0	6	3	0	4	0	0	1	1	0	1	0	0	0	0	0	0	0	0	20	8	0	3
Year ..	35	4	0	28	9	0	23	7	0	11	2	0	34	7	0	81	20	0	43	11	0	15	3	0	270	63	0	32

TABLE XVII (continued).—"WIND ROSE" DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

HOLYHEAD.

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	1	2	0	0	0	0	0	0	0	0	2	0	0	4	0	4	4	0	1	9	1	0	3	0	6	24	1	0
February ..	0	0	0	0	0	0	2	0	0	3	3	0	4	5	0	2	2	0	0	3	0	1	2	0	12	15	0	1
March ..	0	0	0	1	1	0	1	1	0	1	3	0	1	5	0	3	2	0	2	7	0	0	3	0	9	22	0	0
April ..	0	2	0	0	0	0	2	0	0	0	0	0	2	1	0	5	3	0	1	3	0	1	10	0	11	19	0	0
May ..	7	0	0	1	2	0	3	2	0	0	1	0	1	1	0	1	1	0	2	1	0	2	3	0	17	11	0	3
June ..	1	1	0	0	2	0	0	1	0	0	0	0	0	1	0	1	4	0	1	7	0	5	3	0	8	19	0	3
July ..	5	1	0	2	0	0	2	0	0	3	2	0	4	4	0	3	1	0	0	0	0	1	2	0	20	10	0	1
August ..	0	1	0	1	0	0	3	3	0	2	1	0	2	4	0	4	4	0	1	1	0	1	2	0	14	16	0	1
September ..	1	3	0	0	1	0	1	0	0	1	0	0	2	1	0	1	2	0	0	8	0	1	6	0	7	21	0	2
October ..	1	1	0	4	0	0	1	1	0	3	1	0	0	3	0	0	3	0	1	3	0	1	4	0	11	16	0	4
November ..	0	4	0	1	1	0	2	4	0	1	1	0	3	2	0	0	6	0	0	2	0	0	3	0	7	23	0	0
December ..	0	1	0	0	2	1	2	12	0	4	3	0	2	3	0	0	0	0	0	0	0	1	0	0	9	21	1	0
Year ..	16	16	0	10	9	1	19	24	0	18	17	0	21	34	0	24	32	0	9	44	1	14	41	0	131	217	2	15

BLACKSOD POINT.

January ..	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	0	1	18	1	0	1	0	1	26	3	1
February ..	1	0	0	0	2	0	0	0	0	1	3	0	5	8	0	0	1	0	1	2	0	0	0	0	8	16	0	4
March ..	0	1	0	0	0	0	0	1	0	1	3	0	1	7	1	1	2	0	2	6	0	0	2	0	5	22	1	3
April ..	0	4	0	1	0	0	0	1	0	0	0	0	0	5	0	0	5	0	0	9	0	2	0	0	3	24	0	3
May ..	1	2	0	1	5	0	1	1	0	1	1	0	0	3	0	0	1	0	0	2	0	2	1	0	6	16	0	9
June ..	1	1	0	0	2	0	2	1	0	1	3	0	0	2	0	0	1	0	1	6	1	2	4	0	7	20	1	2
July ..	2	1	0	2	0	0	3	0	0	1	1	0	1	4	0	1	1	0	3	0	0	1	3	0	14	10	0	7
August ..	0	3	0	1	2	0	0	1	0	1	0	0	5	4	0	0	3	0	0	6	0	0	1	0	7	20	0	4
September ..	1	6	0	0	1	0	0	0	0	0	0	0	0	4	1	1	3	0	1	5	0	0	3	0	3	22	1	4
October ..	1	1	0	0	0	0	1	0	0	3	3	0	0	4	0	0	2	2	0	7	0	0	0	0	5	17	2	7
November ..	0	5	0	0	2	0	0	0	0	0	4	0	0	3	1	1	4	0	0	5	0	0	1	0	1	24	1	4
December ..	0	0	0	1	4	0	0	6	0	2	14	0	0	1	0	1	0	0	0	1	0	0	0	0	4	26	0	1
Year ..	7	25	0	6	18	0	7	11	0	11	32	0	12	47	5	5	27	2	9	67	2	7	16	0	64	243	9	49

MALIN HEAD.

January ..	1	2	0	0	0	0	0	0	0	0	1	0	2	4	1	0	7	0	1	6	0	1	4	1	5	24	2	0
February ..	0	0	0	2	0	0	0	1	0	3	4	0	4	5	0	2	3	0	1	2	0	1	0	0	13	15	0	0
March ..	3	2	0	0	1	0	0	0	0	2	5	0	3	5	0	2	2	0	1	1	0	1	3	0	12	19	0	0
April ..	1	5	0	0	0	0	1	0	0	1	0	0	2	1	0	1	6	0	1	4	0	1	6	0	8	22	0	0
May ..	2	6	0	2	0	0	2	3	0	2	2	0	0	1	0	4	1	0	0	2	0	2	2	0	14	17	0	0
June ..	2	2	0	3	2	0	1	1	0	2	0	0	1	2	0	1	1	1	1	2	0	4	4	0	15	14	1	0
July ..	3	1	0	2	0	0	4	0	0	1	3	0	3	5	0	0	1	0	5	0	0	2	1	0	20	11	0	0
August ..	1	2	0	2	0	0	2	2	0	5	0	0	10	2	0	1	3	0	0	0	0	1	0	0	22	9	0	0
September ..	1	2	0	1	2	0	1	1	0	1	0	0	5	2	0	1	2	0	0	4	0	1	6	0	11	19	0	0
October ..	0	1	0	0	0	0	0	0	0	6	2	0	4	5	0	3	1	0	3	2	0	1	3	0	17	14	0	0
November ..	0	5	0	1	1	0	0	3	0	1	1	0	1	6	0	1	3	0	1	2	0	0	4	0	5	25	0	0
December ..	0	1	0	0	6	0	0	8	0	3	7	0	2	4	0	0	0	0	0	0	0	0	0	0	5	26	0	0
Year ..	14	29	0	13	12	0	11	19	0	27	25	0	37	42	1	16	30	1	14	25	0	15	33	1	147	215	3	0

TABLE XVII (continued).—" WIND ROSE " DATA for TELEGRAPHIC STATIONS.—Frequency of Winds of various strengths from different directions at 7h.

CAHIRCIVEEN (VALENTIA OBS.).

Months.	N.			NE.			E.			SE.			S.			SW.			W.			NW.			ALL DIRECTIONS.			CALMS.
	Light.	Strong.	Gale.	Light.	Strong.	Gale.																						
January ..	1	2	0	1	0	0	1	0	0	1	0	0	1	3	1	1	3	0	3	8	0	1	4	0	10	20	1	0
February ..	0	0	0	0	0	0	3	1	0	3	2	0	8	5	0	1	1	0	0	1	0	1	0	0	16	10	0	2
March ..	1	2	0	1	0	0	4	0	0	0	3	0	0	6	0	2	3	0	2	4	0	1	1	0	11	19	0	1
April ..	1	2	0	1	0	0	1	0	0	0	1	0	5	0	0	2	3	0	3	3	0	1	2	0	14	11	0	5
May ..	4	0	0	2	2	0	4	2	0	1	0	0	2	2	0	2	0	0	1	1	0	2	0	0	18	7	0	6
June ..	2	2	0	2	0	0	2	0	0	0	1	0	3	1	0	1	4	0	2	4	0	2	2	0	14	14	0	2
July ..	3	1	0	0	0	0	2	1	0	4	1	0	0	4	0	1	2	0	3	0	0	2	1	0	15	10	0	6
August ..	1	1	0	1	0	0	1	2	0	2	0	0	3	3	0	4	1	0	0	6	0	5	0	0	17	13	0	1
September ..	2	1	0	2	0	0	2	0	0	2	1	0	3	1	0	4	1	0	3	4	0	1	2	0	19	10	0	1
October ..	0	0	0	2	0	0	3	2	0	3	2	0	1	5	0	0	2	0	3	1	0	2	1	0	14	13	0	4
November ..	1	4	0	5	1	0	3	0	0	0	1	0	3	5	0	1	2	0	0	1	0	1	1	0	14	15	0	1
December ..	0	1	0	2	3	0	3	5	0	1	5	0	1	4	0	1	1	0	0	3	0	1	0	0	9	22	0	0
Year ..	16	16	0	19	6	0	29	13	0	17	17	0	30	39	1	20	23	0	20	36	0	20	14	0	171	164	1	29

SCILLY.

January ..	0	2	0	0	1	0	0	0	0	0	0	0	0	2	1	1	4	1	0	7	0	1	9	1	2	25	3	1
February ..	1	2	0	1	0	0	0	2	0	2	1	0	1	4	1	1	5	0	0	3	1	3	0	0	9	17	2	0
March ..	0	0	0	0	3	0	1	1	0	0	3	0	0	2	0	0	6	0	1	9	1	1	3	0	3	27	1	0
April ..	1	7	0	1	1	0	0	0	0	0	1	0	0	1	0	2	5	0	0	3	0	1	6	0	5	24	0	1
May ..	5	3	0	4	1	0	3	3	0	2	1	0	0	1	0	0	1	0	0	1	0	2	2	0	16	13	0	2
June ..	0	0	0	4	1	0	1	1	0	0	0	0	0	1	0	1	2	0	4	5	0	4	5	0	14	15	0	1
July ..	4	1	0	1	0	0	1	0	0	0	1	0	3	4	0	1	4	0	1	4	0	2	2	0	13	16	0	2
August ..	1	0	0	2	1	0	0	0	0	1	2	0	3	1	0	0	9	0	3	4	0	1	3	0	11	20	0	0
September ..	2	5	0	1	0	0	0	0	0	0	1	0	1	0	0	2	4	1	0	6	0	1	4	0	7	20	1	2
October ..	0	2	0	1	3	0	0	8	0	1	1	0	1	1	0	0	8	0	0	1	0	1	3	0	4	27	0	0
November ..	0	8	0	0	2	1	1	0	0	1	0	0	0	1	0	1	3	0	2	4	0	1	5	0	6	23	1	0
December ..	2	1	1	0	4	1	1	5	1	1	4	0	1	2	0	1	1	0	0	2	1	0	1	0	6	20	4	1
Year ..	16	31	1	15	17	2	8	20	1	8	15	0	10	20	2	10	52	2	11	49	3	18	43	1	96	247	12	10

GUERNSEY (WIRELESS STATION).

January ..	1	1	0	0	1	0	0	0	0	0	0	0	1	3	0	2	4	0	7	5	0	1	4	0	12	18	0	1
February ..	1	1	0	2	0	0	4	2	0	1	0	0	3	2	0	2	3	0	2	2	0	0	2	0	15	12	0	1
March ..	0	0	0	0	2	0	1	0	0	1	1	0	1	6	0	2	6	0	6	4	0	0	1	0	11	20	0	0
April ..	2	2	0	1	0	0	1	1	0	1	0	0	1	0	0	3	1	0	5	4	0	3	4	0	17	12	0	1
May ..	3	0	0	3	0	0	4	3	0	2	0	0	3	0	0	4	1	0	3	2	0	1	1	0	23	7	0	1
June ..	1	1	0	1	1	0	2	1	0	1	0	0	1	0	0	3	1	0	6	6	0	3	2	0	18	12	0	0
July ..	2	1	0	3	0	0	1	0	0	0	0	0	3	5	0	3	3	0	3	2	0	3	0	0	18	11	0	2
August ..	1	0	0	1	0	0	2	0	0	1	0	0	0	1	0	2	10	0	2	5	0	3	1	0	12	17	0	2
September ..	0	0	0	3	0	0	1	0	0	0	0	0	0	1	0	1	4	0	10	5	0	3	1	0	18	11	0	1
October ..	1	0	0	2	1	0	5	0	0	3	2	0	1	2	0	2	6	0	3	0	0	1	2	0	18	13	0	0
November ..	0	3	0	0	0	1	0	1	0	2	3	0	2	2	0	0	3	0	3	3	0	2	4	0	9	19	1	1
December ..	3	0	0	1	1	2	1	5	2	1	6	0	1	4	0	1	1	0	0	1	0	0	1	0	8	19	4	0
Year ..	15	9	0	17	6	3	22	13	2	13	12	0	17	26	0	25	43	0	50	39	0	20	23	0	179	171	5	10