M.O. Form 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June

1933.

AIR MINISTRY, METEOROLOGICAL OFFICE, LONDON. W.C.2.

INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the " British Section."

NOTES REGARDING THE BRITISH SECTION.

Description of each issue:—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

(*a*) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of " yesterday," and at 1h. and 7h. G.M.T. of " to-day " from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table ; in other cases, code figures are entered ; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(*b*) Observations made at nine London Stations during the 24 hours ending 7h. or 9h.

(*c*) Table of atmospheric pollution for " yesterday " for South Kensington and Kew Observatory.

(*d*) Observations for " yesterday evening " and " this morning " from five capital cities on the Continent of Europe.

(*e*) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

(*f*) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(*g*) A " general inference " drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(*h*) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(*i*) A " further outlook," i.e. an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(*j*) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous. Those for most of Europe (excluding Russia) and neighbouring countries refer to 7h. G.M.T., exceptions being:—Bulgaria, Austria, Hungary, Greece, Turkey, Egypt, Sudan, Cyprus, Palestine, Syria (6h. G.M.T.) Azores (8h. G.M.T.). The Greenland observations shown are made at 0h. G.M.T. with the exception of these for Mygbugten, Jonsbu, Storfjord, and Torgilsbu which are for 7h. G.M.T.; while those for North America are made at 1h. G.M.T.

In the case of ships at sea, the hour of observation for vessels east of 40° W. is 6h. G.M.T. while that for vessels west of 40° W. is 0h. G.M.T.

Thus, within each of the two sectors 40° W. to 170° W. and 30° E. to 40° W., the observations are approximately synchronous among themselves though most of those in the western sector refer to an epoch 6 hours earlier than do most of those in the eastern sector.

The observations shown for Russia and Siberia are especially to be noted from this standpoint of time. They are made at 7h. *local time* which implies that the absolute time to which they refer varies over a wide range, viz.; from 5h. G.M.T. in the longitude of Leningrad (35° E.) to 19h. G.M.T. of the *previous day* in longitude 180° E.

The map on the following page shows graphically the hours of observation over the various parts of the weather chart for the Northern Hemisphere.

Wind:—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers by the use of this table. At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are " true " or geographical, as distinguished from " magnetic."

Gale warnings:—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

The International and Upper Air Sections.

The other two sections of the Daily Weather Report are Royal quarto in size.

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The " International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows:—

(*a*) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(*b*) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(*c*) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(*d*) Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

Upper Air Section:—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and is issued in the same manner as the International Section. It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and on the Continent of Europe.

THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 40 feet above ground.
0	Calm	Calm ; smoke rising vertically	Less than 1
1	Light air	Direction of wind shown by smoke drift	1–3
2	Slight breeze	Wind felt on face ; leaves rustle	4–7
3	Gentle breeze	Leaves and small twigs in constant motion ; wind extends light flag	8–12
4	Moderate breeze	Raises dust and loose paper ; small branches are moved	13–18
5	Fresh breeze	Small trees in leaf begin to sway ; crested wavelets on inland waters	19–24
6	Strong breeze	Large branches in motion ; whistling heard in telegraph wires	25–31
7	Moderate gale	Whole trees in motion ; inconvenience felt when walking against wind	32–38
8	Fresh gale	Breaks twigs off trees ; generally impedes progress	39–46
9	Strong gale	Slight structural damage occurs (chimney pots and slates removed)	47–54
10	Whole gale	Seldom experienced inland ; trees uprooted	55–63
11	Storm	Very rarely experienced ; accompanied by widespread damage	64–75
12	Hurricane	...	Above 75

GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted. The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point.

For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

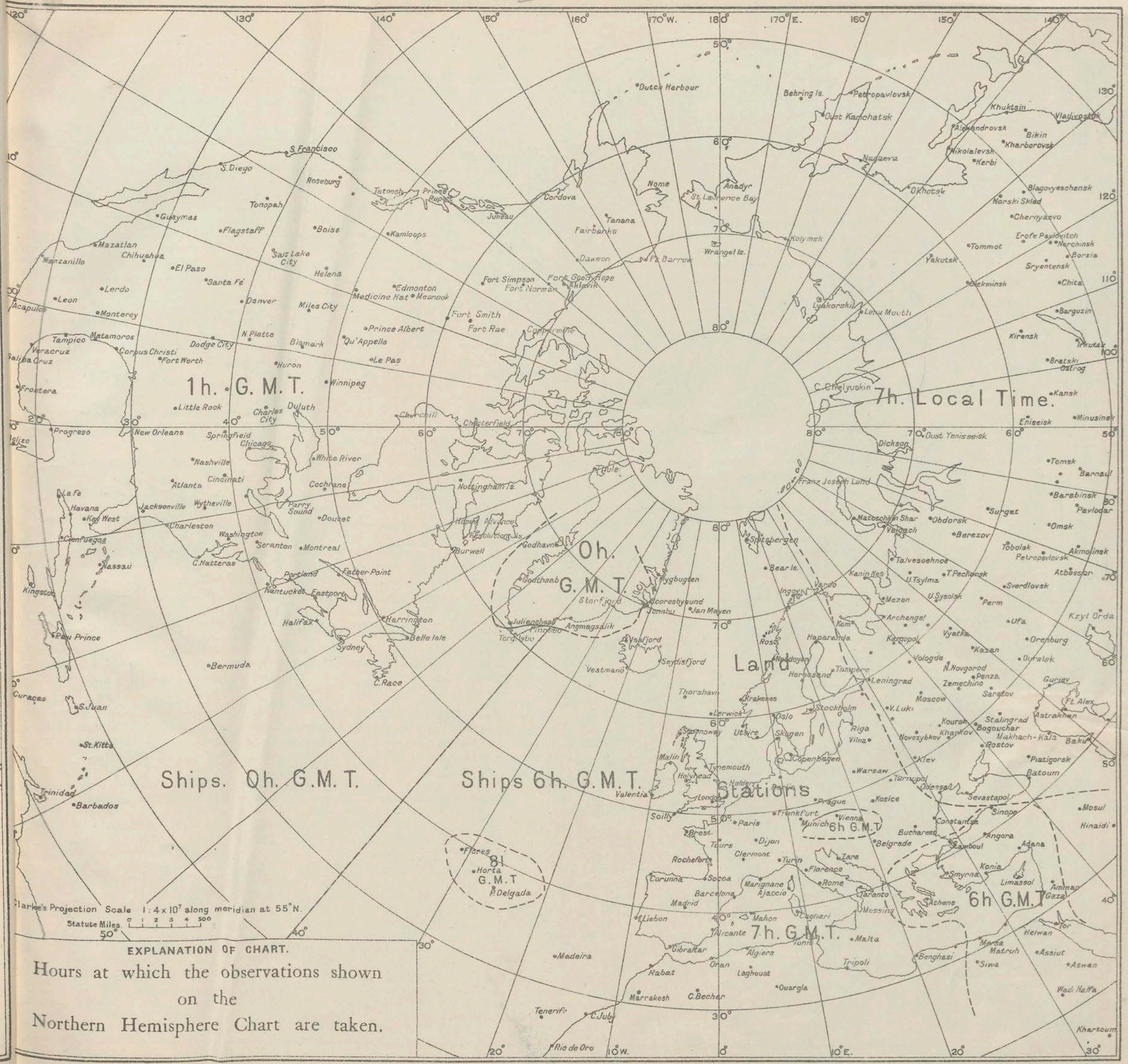
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply:—

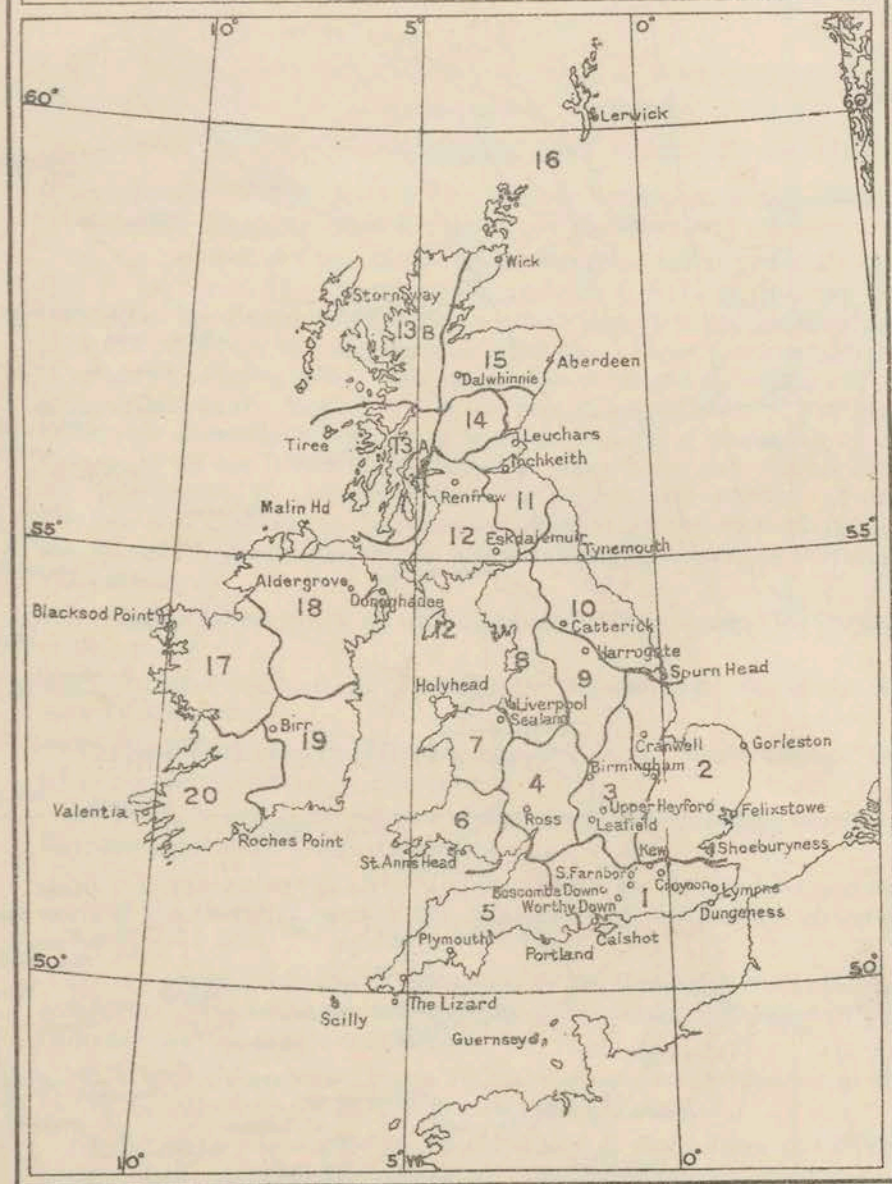
▲ North Cone hoisted: ▼ South Cone hoisted:

The time or times of issue of the gale warning telegrams is shown below the further outlook" on page 2 of the Report.

1937/2


1h. G. M. T.
7h. Local Time.
Oh. G.M.T.
Land
Ships. Oh. G.M.T.
Ships 6h. G.M.T.
Stations
6h G.M.T
6h G.M.T
7h. G.M.T.
81 G.M.T
Clarke's Projection Scale 1:4x10⁷ along meridian at 55°N.
Statute Miles 0 1 2 3 4 500
EXPLANATION OF CHART.
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS
and the Counties comprised within them.

1. *England, S.E.*
   Kent.
   Sussex.
   Surrey.
   Hampshire.
   Berkshire.
   Wiltshire.

2. *England, E.*
   Essex.
   Middlesex.
   Hertford.
   Bedford.
   Huntingdon.
   Cambridge.
   Suffolk.
   Norfolk.
   Lincoln.

3. *Midlands, E.*
   Buckingham.
   Oxford.
   Northampton.
   Warwick.
   Leicester.
   Rutland.
   Nottingham.

4. *Midlands, W.*
   Gloucester.
   Hereford.
   Worcester.
   Shropshire.
   Stafford.

5. *England, S.W.*
   Dorset.
   Somerset.
   Monmouth.
   Devon.
   Cornwall.

6. *Wales, S.*
   Glamorgan.
   Brecknock.
   Carmarthen.
   Pembroke.
   Cardigan.
   Radnor.

7. *Wales, N.*
   Montgomery.
   Merioneth.
   Flint.
   Denbigh.
   Carnarvon.
   Anglesey.

8. *England, N.W.*
   Cheshire.
   Lancashire.
   Westmorland.
   Cumberland.

9. *Midlands, N.*
   Derby.
   Yorkshire, W.

10. *England, N.E.*
    Yorkshire, N. & E.
    Durham.
    Northumberland.

11. *Scotland, S.E.*
    Roxburgh.
    Selkirk.
    Peebles.
    Berwick.
    Haddington.
    Edinburgh.
    Linlithgow.
    Clackmannan.
    Kinross.
    Fife.
    Forfar.

12. *Scotland, S.W., and Isle of Man.*
    Isle of Man.
    Dumfries.
    Kirkcudbright.
    Wigtown.
    Ayr.
    Lanark.
    Renfrew.
    Dumbarton.
    Stirling.

13A. *Scotland W.*
    Argyll.
    Bute.

13B. *Scotland, N.W.*
    Hebrides.
    Western parts of Inverness, Ross and Cromarty, Sutherland.
    (Boundary line runs from Rannoch Station through Fort Augustus, Beauly and Lairg to Melvich).

14. *Mid. Scotland.*
    Perth.

15. *Scotland, N.E.*
    Kincardine.
    Aberdeen.
    Banff.
    Elgin.
    Nairn.
    Caithness.
    Eastern parts of Inverness, Ross, Sutherland.

16. *Orkneys and Shetlands.*

17. *Ireland, N.W.*
    Galway.
    Roscommon.
    Mayo.
    Sligo.
    Leitrim.

18. *Ireland, N.E.*
    Meath.
    West Meath.
    Longford.
    Cavan.
    Fermanagh.
    Monaghan.
    Louth.
    Armagh.
    Down.
    Antrim.
    Londonderry.
    Tyrone.
    Donegal.

19. *Ireland, S.E.*
    Waterford.
    Wexford.
    Kilkenny.
    Carlow.
    Wicklow.
    Offaly.
    Leix.
    Kildare.
    Dublin.

20. *Ireland, S.W.*
    Cork.
    Kerry.
    Limerick.
    Tipperary.
    Clare.

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

Standard of Time.—Greenwich Mean Time is exclusively used throughout the Report.

Stations.—*Kew.*—Temperature readings at Kew are taken in a large louvred screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

Valentia.—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

Renfrew.—As from 1800 hours on 26th February, 1933, the observations for Renfrew have been taken from a new site on an aerodrome called "Abbottsinch," which is less than a mile distant from the former site.

Lerwick.—The telegraphic reporting station at Lerwick, which is under the care of H.M. Coastguard, was moved from Fort Charlotte to the Knab on 16th September, 1932. The exposure for wind at the Knab is considerably superior to that at Fort Charlotte.

Heights of Stations.—The heights of British Stations above M.S.L. refer to the plot of ground on which the rain gauge is situated.

Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on page 2 of the Report and for intervals of 4 millibars on Page 3.

The wind at a height of 1,500-2,600 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperatnre of 50° F. and a pressure of 1,015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

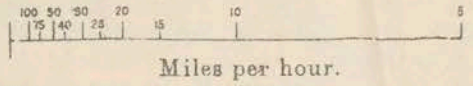
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the scale from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

8 mb isobars on $1 : 4 \times 10^7$ Charts.

or 2 mb ,, ,, $1 : 10^7$,,



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 50° F. Latitude, 55°.

Corrections.—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F. add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree *above* 55°. From Latitude 55° to Latitude 45° add 1½% for each degree *below* 55°.

Temperature.—Temperature is specified in degrees Fahrenheit, and is shown on the charts by means of figures written alongside the positions of the stations.

Relative Humidity.—Relative Humidity at British stations is calculated from the following hygrometric formulæ:—

$$\text{Relative humidity} = \frac{100x}{F}$$

$x = f - \cdot 444\,(t - t')$ for wet bulb readings above 32° F.

$x = f - \cdot 400\,(t - t')$ for wet bulb readings below 32° F.

where x is the vapour pressure in mb.:

F the saturation vapour pressure at the temperature of the dry bulb;

f the saturation vapour pressure at the temperature of the wet bulb;

t the dry bulb temperature; and

t' the wet bulb temperature.

The values printed in columns 7 and 21 always end with the figure 5. By this it should be understood that a value of 95, for example, stands for any one of the values 90 to 100; a value of 85 stands for any one of the values 80 to 89 and so on.

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. The number of feathers on the arrows denotes wind force by Beaufort number.

Adjusted Readings.—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted

The reports from the London Stations on page 1 and from the Health Resorts on page 2 are not subjected to the same close scrutiny, but if any errors are found these are also noted

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 3s. 2d. post free.

Corrections and additions can be obtained, if required, on application to the Meteorological Office.

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, MAY 1933. No 197.

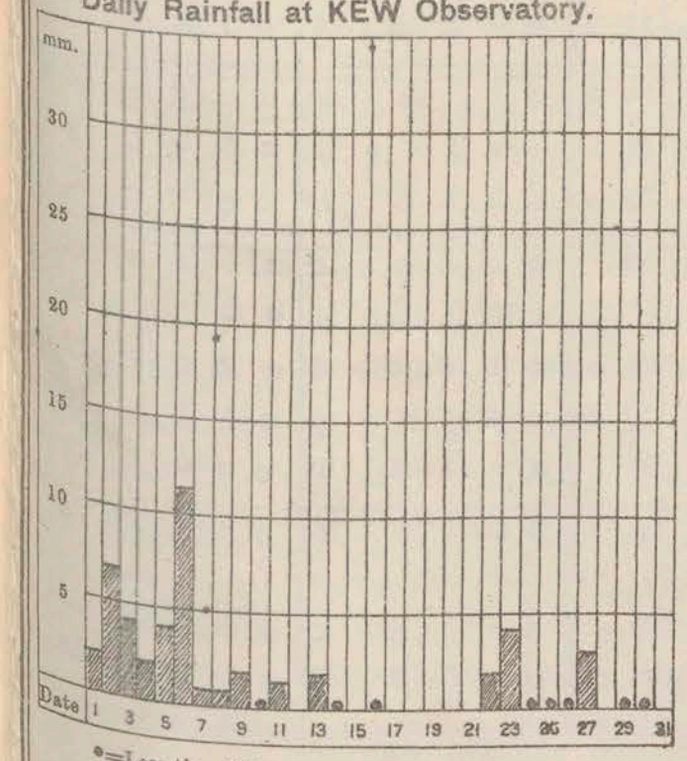
Unsettled, then variable, warm and thundery.

The only outstanding feature of the month was the prevalence of thundery conditions but it is interesting to note that despite several particularly sunny periods the sunshine for the month was generally deficient.

The month opened with the British Isles mainly under the influence of high pressure. On the 3rd. a stationary depression to the southwest of Ireland caused unsettled weather with easterly to southerly winds. Thunderstorms occurred on the 1st., 3rd. and 6th. From the 7th. to 11th. depressions crossed the British Isles maintaining unsettled conditions with southwest to west-northwest winds. A secondary on the 6th. and 7th. caused heavy rainfall in Eastern England - 46mm. being recorded at Skegness during the 24 hours. Thunderstorms with strong southwest - west winds occurred on the 9th. On the 12th a feeble ridge of high pressure gave fine weather but a shallow depression on the 13th. caused a deterioration. On the 14th. and 15th. high pressure gave improved conditions, many places on the 15th reporting over 11 hrs. sunshine. Ground frosts occurred during the night of the 14th - 15th. in S.E. England. On the 16th. a depression crossed the northern half of the British Isles causing rain and drizzle. On the 18th. another depression advanced to the northwest of the British Isles and until the 20th. caused unsettled conditions except in South and Southeast England.

From 21st. to 27th. high pressure again predominated with mainly west to northwest winds. Weather was fine to 22nd. unsettled with thunderstorms in Eastern England on 23rd., then mainly fair to 26th., which was a fine day. Temperature was above normal, during this period, 79°F. being recorded at Croydon and Tunbridge Wells on 23rd., this being the hottest day of the year and the hottest day for May for four years. On the 27th the movement of a small depression from Southwest Ireland to the English Channel caused rainfall and thunderstorms in southern districts - falls of approximately 25 mm. being reported. From the 28th. to the 31st. pressure was again mainly high. Widespread thunderstorms with hail locally occurred in S. England on the afternoon of the 29th. With the approach of an Atlantic depression rain fell in the West and North on the 30th. and 31st., but elsewhere conditions were mainly fair.

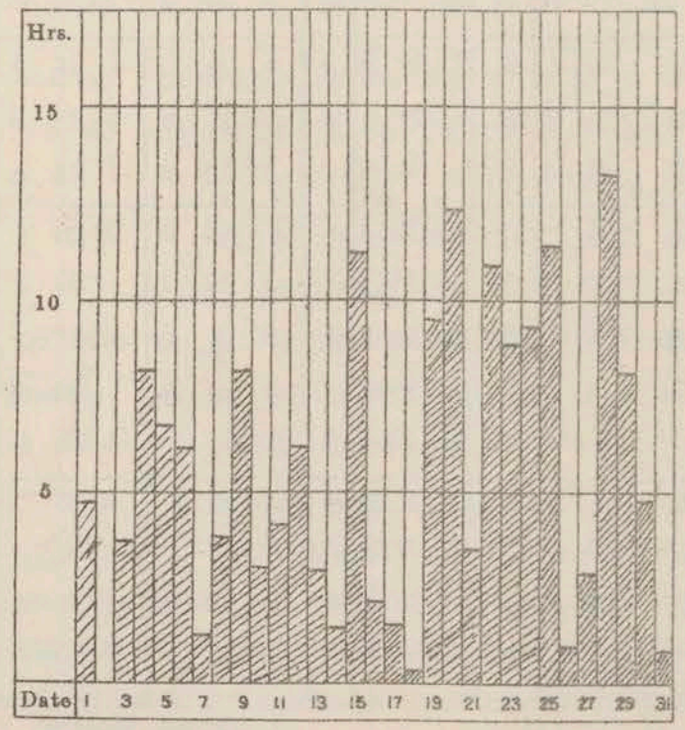
Daily Rainfall at KEW Observatory.



•=Less than 0·5 mm.

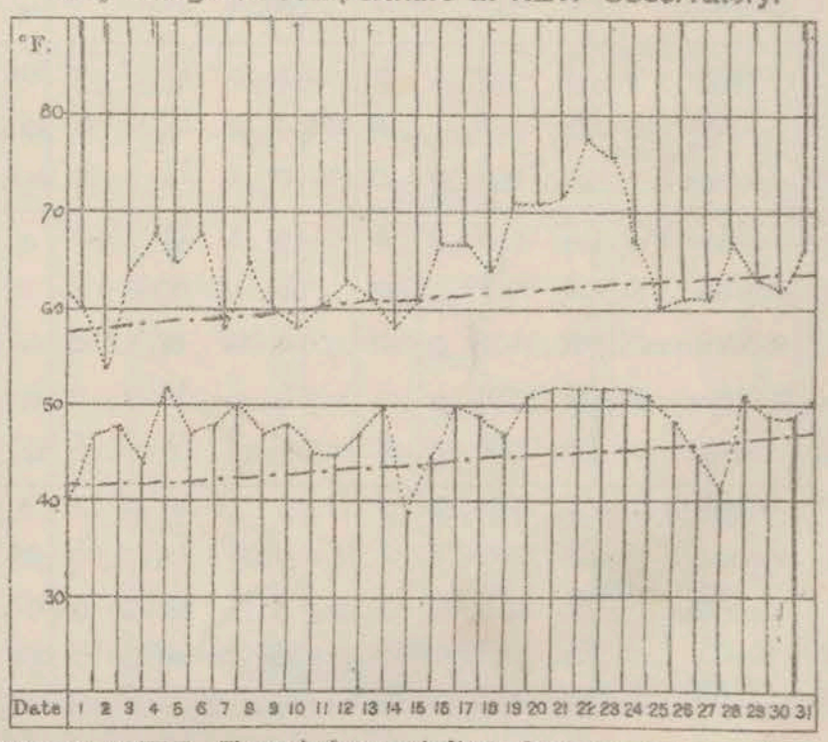
RAINFALL. Total for Month. 47 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 173 hrs.

Daily Range of Temperature at KEW Observatory.



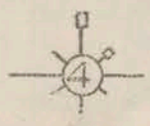
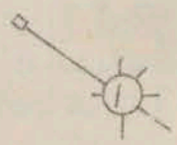
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1015·1	− 0·8	56·1	+ 2·7
Aberdeen	1015·5	+ 0·5	48·3	0
Valentia	1013·8	− 1·5	53·7	+ 1·4

* Pressure — mean for the 24 hours.
Temperature — mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.

Kew	Aberdeen	Valentia
		
(4)	(1)	(3)

Forces 1-3 ——— ; forces 4-7 ═══ ; force 8 or above ▬▬ . Scale: ⊢10mm.⊣ to 10 observations.
The figure in the centre of the circle gives the number of calms.

"RUN" of WIND, or total displacement of air relative to the anemographs.

	miles.
Kew ...	4,809
Aberdeen ...	5,877
Lerwick ...	9,184
Valentia ..	7,614

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

	Stations.	†TEMPERATURE. Number of daily readings within fixed limits. Maximum. 42°-50°	51°-59°	60°-68°	69°-77°	78-86°	Normal Max. °F.	Minimum. 24°-32°	33°-41°	42°-50°	51°-59°	60°-68°	Normal Min. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ...	0	4	22	4	1	61·7	0	3	20	8	0	45·0	78	22nd	54	2nd	52	22/24	39	15	0	1	23	0	0	29	0	2	23	0	0	0	1	0	9	0	0	0	0	24
	(Kew Obsy).																																								
	Croydon ...	0	7	18	4	2	*	0	2	27	2	0	*	79	23rd	51	2	52	5/20	37	15	0	4	13	3	1	23	2	3	21	2	0	0	0	2	8	0	0	0	0	22
	Calshot** ...	0	9	20	2	0	*	0	1	23	7	0	*	70	23	54	27	55	22	40	1	0	3	15	1	1	24	2	1	23	1	0	0	0	1	16	0	0	0	0	23
	(Southampton)																																								
	Lympne ...	0	15	13	3	0	*	0	3	23	5	0	*	74	22	52	2	53	20	38	1	0	5	9	7	2	24	2	1	16	7	0	0	1	2	11	0	0	0	0	23
2	Shoeburyness ...	0	10	17	4	0	60·9	0	3	28	0	0	45·1	69	4, 20/21, 23	52	2	50	17/24	35	1	3	4	17	2	2	24	0	3	18	3	0	0	1	1	15	0	0	0	0	20
	Gorleston ..	4	25	2	0	0	55·9	0	3	21	2	0	45·2	62	22	48	1/10	53	23	39	15	0	1	23	0	0	27	0	0	18	0	0	0	0	1	5	0	0	0	0	10
	Cranwell ...	2	10	14	5	0	60·2	0	6	25	0	0	42·3	77	22	47	2	50	5/21	37	28	0	9	16	3	5	22	3	4	23	2	0	0	1	1	7	0	0	0	0	21
3	Birmingham ...	2	11	15	3	0	59·8	0	1	27	3	0	43·8	73	22	47	2	53	20	41	3	0	4	17	0	2	26	0	1	25	0	0	0	3	2	8	0	0	0	1	20
	(Edgbaston)																																								
4	Ross-on-Wye ...	1	6	19	5	0	63·0	0	5	20	6	0	43·6	73	20	50	2	54	20	36	1/15	2	3	19	0	0	28	1	1	26	0	0	0	2	0	14	0	0	0	0	22
5	The Lizard ...	0	20	11	0	0	*	0	0	21	5	0	*	65	22/23	54	6/8	52	14/20/31	45	15	*	2	29	0	4	27	0	0	27	3	0	0	2	0	26	0	1	0	1	27
7	Holyhead ...	1	26	4	0	0	56·0	0	0	24	7	0	45·6	68	31	50	2	52	10/31	44	3/22	0	8	18	3	4	22	4	3	21	5	0	1	1	0	20	0	0	0	0	24
8	Liverpool ...	0	22	8	1	0	58·2	0	0	27	4	0	45·3	69	20	51	1/31	54	20	42	3	0	4	21	0	5	24	0	3	24	1	0	0	2	1	19	0	0	0	2	23
	(Bidston)																																								
10	Tynemouth ...	11	18	2	0	0	54·9	0	1	29	1	0	42·4	65	19	46	2/3	51	21	41	14	0	3	28	0	3	28	0	2	29	0	0	0	2	2	9	0	0	0	0	22
11	Inchkeith** ...	6	20	5	0	0	*	0	2	28	1	0	*	66	21	46	1	53	20	39	2	0	3	28	0	2	28	1	1	30	-	0	0	0	0	20	0	0	1	0	25
12	Renfrew ...	2	14	14	1	0	*	0	10	17	4	0	*	70	22	48	1	53	20/27	35	2/18	1	3	25	2	1	26	3	1	27	3	0	0	1	2	11	0	0	1	1	18
	Eskdalemuir ...	5	15	11	0	0	*	0	16	14	1	0	*	68	22	45	1	52	20	36	21	3	8	18	1	0	31	0	4	27	0	0	0	0	0	18	0	0	0	0	25
13B	††Stornoway C.G.	4	23	4	0	0	53·7	0	6	24	1	0	41·3	62	21/22	48	1	51	20	35	15	*	3	28	0	1	30	0	4	27	0	0	0	2	1	28	0	0	1	1	28
15	Aberdeen ...	8	19	4	0	0	54·9	1	8	22	0	0	41·7	68	19	46	1/3	49	20/21/24	30	2	2	5	23	1	2	28	1	3	21	2	0	1	1	2	20	0	0	0	1	20
18	Aldergrove ...	2	19	10	0	0	*	0	13	14	4	0	*	67	22	49	3	52	18/19/20	30	29	4	11	15	1	6	25	-	3	26	1	0	0	1	1	20	0	0	0	0	28
19	Dublin ...	1	11	18	1	0	58·1	0	4	22	5	0	41·6	70	23	49	2	53	17/20	39	15	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	(Phœnix Park)																																								
	Birr Castle ...	1	10	20	0	0	59·8	0	6	20	5	0	42·7	68	29	48	2	53	17/19	38	15/28	4	0	28	0	0	31	0	0	31	0	0	0	1	0	30	0	0	0	0	31
20	Valentia ...	0	24	7	0	0	57·9	0	0	18	13	0	46·5	65	28	51	2	56	19	44	22/23	0	12	18	1	9	22	0	13	17	0	0	0	0	0	27	0	0	0	0	28
	(Cahirciveen)																																								

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	No. of Reports.	S. Farnborough. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1830	47	48·0	43	57·0	12		
850	4810	38	38·0	44	44·2	12		
750	8030	28	27·5	44	31·9	12		
650	11,770	17	17·5	44	11·2	7		
550	15,950	3	4·8	43	4·3	5		

UPPER WINDS.

No. of records of Velocity (m.p.h.) within fixed limits.

Station. Height. Feet.	Lympne. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75 (miles per hour.)	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75 (miles per hour.)	Holyhead. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75 (miles per hour.)	Renfrew. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75 (miles per hour.)	Station. Height. Feet.
2,000	96	28	53	14	1	0	50	12	32	6	0	0	59	13	31	15	0	0	44	17	23	4	0	0	2,000
5,000	67	20	35	11	1	0	30	12	14	4	0	0	45	7	24	13	1	0	17	8	8	1	0	0	5,000
10,000	17	5	10	2	0	0	8	1	5	7	0	0	21	0	10	10	1	0	2	0	2	0	0	0	10,000
15,000	2	0	1	1	0	0	1	0	1	0	0	0	6	0	2	4	0	0	0	0	0	0	0	0	15,000

† The readings used, are, except in the case of Phœnix Park, the maximum for the period 7 h.–18 h., and the minimum for the period 18 h.–7 h. The normal values given above are based on extremes taken over the 24 hours.

METEOROLOGICAL OFFICE, AIR MINISTRY, Kingsway, London, W.C.2.
G. C. Simpson, C.B., D.Sc., F.R.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY MAY 1933

District	Stations	SUNSHINE. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	1	9	9	5	7	13·0	28	1464	- 11	173	-28	1880	315	1909	114	1932	16	3	10	2	0	0	11·	6	541	-65	47	+3	1871	104	1881	4	1896	6	0
	Croydon ...	1	11	6	8	5	11·4	28	1476	*	161	*	1922	286	1922	115	1932	18	3	7	2	0	1	31	23	601	-78	71	+24	1921	103	1932	26	1927	5	0
	Calshot** ... (Southampton)	0	8	8	5	10	13·0	15‡ 22‡	1616	*	190	*	1881	327	1908	129	1932	18	4	4	5	0	0	12	2	760	+114	56	+11	1871	137	1932	8	1895	4	0
	Lympne ...	1	4	11	6	9	12·9	19	1744	*	202	*	1921	311	1922	154	1932	19	4	6	1	1	0	18·	29	684	-40	51	+11	1920	108	1930	15	1922	4	0
2	Shoeburyness ...	1	9	5	7	9	13·8	31	1695	*	188	*	1919	290	1922	146	1932	17	4	7	3	0	0	8	3	436	-44	36	+4	1920	79	1924	14	1920	3	0
	Gorleston ...	7	3	3	6	12	13·6	28	1458	-247	195	-30	1908	304	1919	127	1932	19	5	4	3	0	0	13	7	488	- 134	41	-3	1871	99	1924	9	1917	2	0
	Cranwell ...	5	8	8	8	2	14·0	22	1386	-162	136	-67	1921	291	1922	99	1932	18	5	5	3	0	0	8	6	713	+123	33	-13	1917	117	1932	17	1922	1	0
3	Birmingham ... (Edgbaston)	4	8	8	9	2	12·0	25	1408	+131	139	-28	1897	228	1929	83	1932	16	5	6	3	1	0	18	28	713	+39	58	+4	1893	173	1932	5	1896	2	0
4	Ross-on-Wye ...	3	8	7	7	6	12·9	15	1515	+79	160	-43	1915	246	1922	104	1932	14	7	8	1	1	0	23	27	725	+7	48	-6	1859	139	1880	5	1896	3	0
5	Falmouth ... (Observatory)	2	4	8	8	9	14·7	23	1625	-134	199	-32	1881	336	1896	152	1925	13	7	5	6	0	0	10	3	1119	+12	57	+1	1871	142	1878	1	1896	0	0
7	Holyhead ...	1	13	3	9	5	14·5	29	1542	-64	155	-83	1914	267	1929	154	1920	16	4	10	1	0	0	9	2	833	- 55	38	-12	1871	121	1924	6	1895	0	0
8	Liverpool ... (Bidston)	4	9	7	4	7	12·6	14	1378	-78	149	-50	1908	290	1908	121	1932	18	2	9	2	0	0	12	20	642	-67	45	-3	1867	133	1924	10	1896	1	0
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	9	9	0	0	0	4	3‡ 24‡	506	-115	30	-21	1915	151	1924	15	1929	2	0
11	Inchkeith** ...	7	11	5	4	4	12·3	15‡	1394	*	113	*	1923	215	1931	125	1927	13	6	10	2	0	0	9	4	544	-10	42	-6	1870	135	1906	12	1896	1	0
12	Renfrew ...	6	12	3	3	7	12·7	2	1116	*	125	*	1921	195	1929	106	1925	18	2	5	6	0	0	11	6	1071	+146	67	+9	1921	156	1925	38	1923	0	0
	Eskdalemuir ...	5	11	7	4	4	13·0	25	1108	-107	127	-49	1910	223	1919	102	1924	16	4	6	5	0	0	12	22	1779	+350	64	-20	1910	236	1925	35	1915	4	0
13B	††Stornoway C.G.	2	9	4	8	8	14·3	30	1145	-114	188	-3	1881	279	1882	134	1900	18	9	3	1	0	0	9	18	1080	-186	23	-42	1870	132	1920	15	1890	0	0
									54	-105	197	+6																								
15	Aberdeen ...	6	10	7	3	5	13·6	2	1272	-115	125	-62	1881	249	1881	105	1927	20	4	6	1	0	0	8	12	774	+26	25	-34	1871	124	1901	16	1876	0	0
18	Aldergrove ...	3	12	10	3	3	14·3	14	1171	*	115	*	1926	234	1927	102	1932	11	8	11	1	0	0	7	16	830	*	41	*	1926	90	1931	31	1928	2	0
19	Dublin ... (Phœnix Park)	3	10	10	1	7	12·9	23	1377	-130	147	-58	1881	281	1882	114	1925	13	9	5	3	1	0	20	2	725	+20	53	0	1877	141	1925	7	1895	0	0
	Birr Castle ...	2	10	8	5	6	12·9	29	1249	-94	147	-35	1881	268	1901	107	1925	9	13	6	3	0	0	9	19	759	-70	51	-6	1872	126	1916	9	1890	1	0
20	Valentia ... (Cahirciveen)	5	7	6	7	6	14·7	22	1187	-258	158	-45	1880	296	1896	139	1914	5	6	13	5	2	0	21	30	1286	+128	118	+37	1870	168	1913	6	1896	0	0

MINIMUM SURFACE HUMIDITY.

No. of Days (Mdt. to Mdt.) with Minima between Fixed Limits.

Stations.	90 to 100 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	10 to 19 %
London (Kew)	0	0	1	5	8	13	4	0	0
Ross-on-Wye	0	2	2	3	15	8	1	0	0
Falmouth (Obsy.)	3	3	10	10	5	0	0	0	0
Renfrew ...	0	2	7	7	8	7	0	0	0
Eskdalemuir	0	0	4	10	9	5	3	0	0
Aberdeen ...	1	2	10	6	12	0	0	0	0
Valentia ...	1	6	12	11	1	0	0	0	0

STATE OF GROUND AT 18h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	17	14	0	0	0	0	0	0	0	0
Ross-on-Wye	17	14	0	0	0	0	0	0	0	0
Renfrew ...	13	17	1	0	0	0	0	0	0	0
Eskdalemuir	0	31	0	0	0	0	0	0	0	0
Aberdeen ...	17	14	0	0	0	0	0	0	0	0
Valentia ...	3	28	0	0	0	0	0	0	0	0

CODE for State of Ground.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

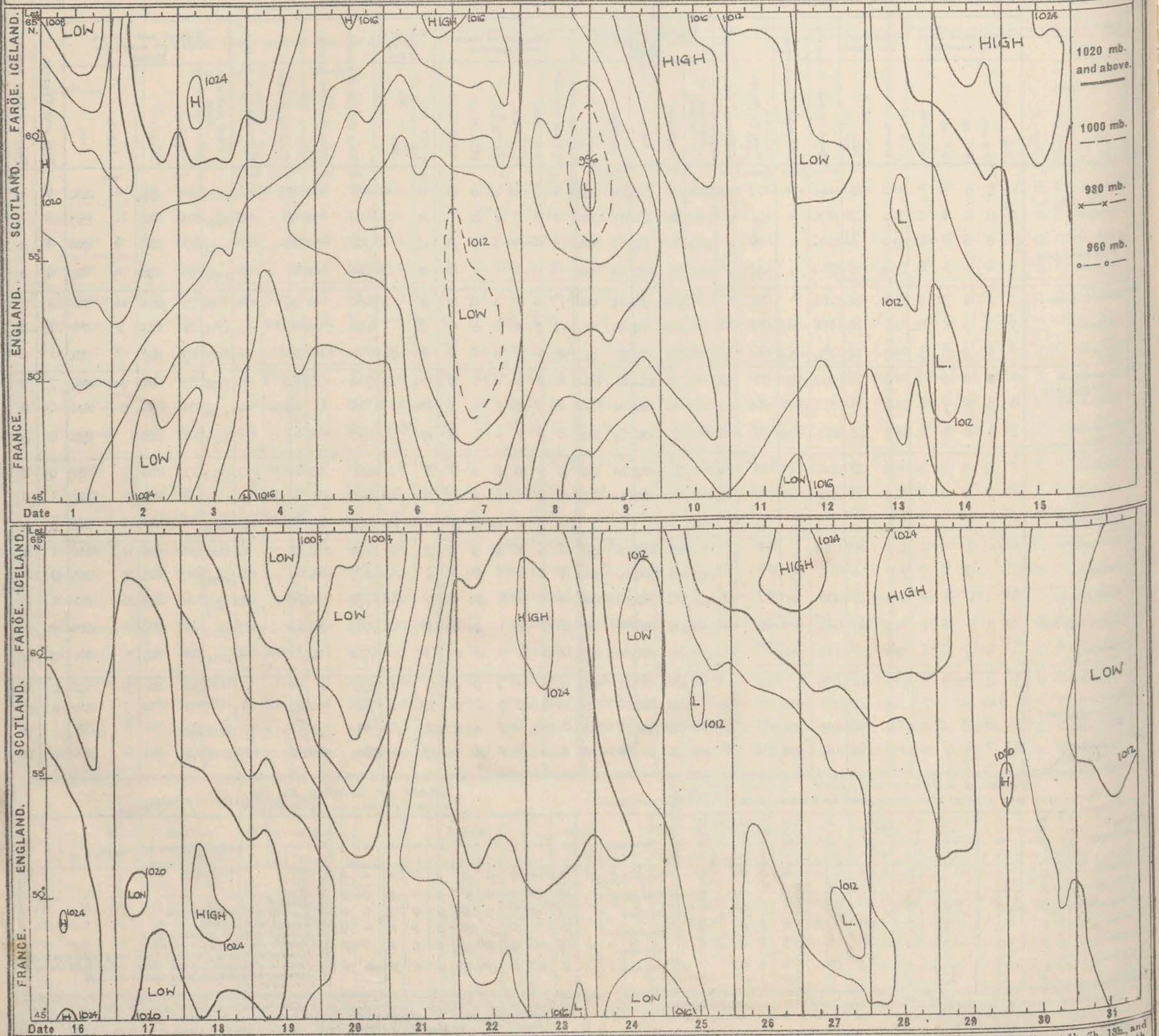
** In extremes of rainfall the short period returns from Inchkeith are supplemented by those from Leith, and extremes of rainfall and sunshine from Calshot by those from Southampton.

‡ Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

†† Observations Coast Guard began Sept., 1930. Normals and extremes for old Station.

PRESSURE: ICELAND TO GULF OF LIONS MAY 1933.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 18h. are plotted consecutively and joined to shew the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W. in the north; at Lat. 44½° N., Long. 4° E. in the south.

Pa 638/2584. wt. 55. D. 6003. Gp. 908. 970. 8/33

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 1st MAY 1933.

No. 26093

OBSERVATIONS at 13h. G.M.T. 30th April

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1008·6	+0	SW	2	bc	60	45	8	7	-	-	4·6	4·6	2500
	Croydon	1008·5	-2	W'N	2	bc	61	45	7	7	-	-	7·8	7·8	4000
	S. Farnborough	1008·5	+0	W	2	bc	60	45	9	2	-	-	4·6	4·6	4000
	Winchester	1008·5	-2	W	(	c	57	65	8	2	1	-	7·8	109	2500
	Boscombe Down	1008·6	+2	S	1	c	56	66	8	1	3	-	4·6	9	4000
	Calshot, S'thmtn	1008·8	+2	S'W	3	bc	58	55	8	2	-	6	2·3	4·6	4000
	Dungeness	*	*	SW'S	2	bc	*	*	7			*	2·3	4·6	1500
	Lympne	1009·3	+0	SSW	3	c	59	66	8	2	-	4	2·3	7·8	2500
2	Shoeburyness	1008·7	+0	ESE	3	bc	59	75	7	8	-	3	4·6	4·6	2500
	Felixstowe	1009·0	+2	SE'S	3	bc	54	85	7	2	-	-	4·6	4·6	4000
	Gorleston	1008·1	+6	SE'S	3	bc	51	85	6	2	-	-	4·6	4·6	2500
	Cranwell	1008·3	+6	NW	2	c/pr	55	75	6	8	-	-	9+	9+	2500
3	Birmingham	1008·0	+4	ESE	1	c	56	55	8	3	-	-	7·8	7·8	4000
	Upper Heyford	1008·5	+0	S	2	bc	60	65	8	2	-	-	4·6	4·6	1500
4	Ross-on-Wye	1008·1	+8	SSE	2	c	55	66	8	8	6	-	7·8	9	4000
5	Portland Bill	1009·0	+2	SW	2	c	53	85	8	4	4	1	2·3	7·8	2500
	Plymouth	1009·1	+6	-	0	c	54	85	8	8	-	-	7·8	7·8	1500
	The Lizard	1008·5	+0	E	3	bc	55	95	8	8	6	-	2·3	4·6	4000
	Scilly (St. Mary's)	1006·7	+0	SSE	4	c	55	95	7	8	7	-	7·8	9	4000
	Guernsey	1008·9	+2	ESE	1	bc	56	85	7	7	3	-	4·6	4·6	4000
6	Pembroke	1007·6	+0	S	1	c/p	55	75	7	3	6	-	4·6	9+	1500
7	Holyhead	1009·1	+6	NW'N	3	bc3	51	75	7	2	-	-	2·3	2·3	2500
	Chester (Sealand)	1008·4	+4	NW	3	c/pr	55	65	6	8	-	-	7·8	7·8	4000
8	L'pool (Bidston)	1008·2	+4	NW	2	b	52	75	7	1	-	-	1	1	4000
9	Harrogate	1007·9	+0	E	3	bc	55	75	6	3	-	-	4·6	4·6	2500
10	Spurn Head	1007·8	+4	E'N	2	c3	50	95	5	3	3	-	4·6	9	800
	Catterick	1008·2	+8	WSW	3	c/p.	49	75	6	9	2	-	4·6	10	800
	Tynemouth	1009·0	+16	E	2	c	47	95	6	6	-	-	7·8	7·8	1500
11	Inchkeith	1011·2	+30	NE	4	c	47	85	8	8	2	-	7·8	9	2500
12	Leuchars	1011·6	+8	ENE	3	c	51	75	8	8	-	-	9	9	2500
	Renfrew (Abbotts I.)	1011·3	+10	ENE	3	c/r	50	75	8	8	-	-	10	10	2500
	Eskdalemuir	1010·2	+10	NNE	4	r.r.	44	85	6	6	2	-	7·8	10	800
13A	Tiree	1013·1	+6	N'E	5	b	50	75	9	7	4	-	Tr	1	2500
13B	Stornoway	1013·5	+0	NE	6	c/pr	47	95	8	8	7	-	4·6	9+	1500
15	Dalwhinnie §	1012·4	+0	NE	4	c	48	65	8	7	-	-	7·8	7·8	4000
	Aberdeen	1011·9	+8	NNW	3	c	50	66	8	5	-	-	9	9	2500
	Wick	1012·1	+4	N	3	cpr.	47	95	8	8	3	-	4·6	7·8	1500
16	Lerwick	1012·6	+12	ENE	6	c/r	43	85	7	8	2	-	7·8	10	1500
17	Blacksod Point	1010·9	+4	N	7	cq	49	85	8	8	-	-	7·8	7·8	450
18	Malin Head	1011·6	+12	N	5	c	47	95	7	5	7	-	9	9+	1500
	Aldergrove	1010·5	+16	NNE	4	c	47	75	8	5	-	-	10	10	2500
	Donaghadee	1009·9	+16	ENE	2	cpr.	47	85	8	9	-	-	7·8	7·8	1500
19	Birr Castle	1007·7	+0	NNE	1	c/pr	51	75	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	1008·6	+2	NNE	3	c	52	75	8	8	-	-	9	9	2500
	Roches Point	1008·1	+4	SE	3	bc	52	85	8	3	-	-	4·6	4·6	2500

OBSERVATIONS at 18h. G.M.T. 30th April

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1008·4	+0	SSW	3	bc	61	55	8	7	-	4	4·6	7·8	2500	0	*
	Croydon	1008·6	+2	SSW	3	bc	56	55	8	7	3	6	4·6	7·8	4000	0	*
	S. Farnborough	1008·5	+2	SSE	3	r.	55	65	8	3	-	1	9+	9+	2500	1	*
	Winchester	1008·5	+2	SSW	3	c/p	57	65	9	3	-	4	2·3	7·8	2500	1	*
	Boscombe Down	1008·4	+0	-	0	bc/pr	55	65	8	3	9	3	4·6	4·6	4000	1	*
	Calshot, S'thmtn	1008·9	+4	SW'S	3	bc	55	75	8	3	-	2	2·3	4·6	4000	0	1
	Dungeness	*	*	SW	1	bc	*	*	7	8	7	*	4·6	7·8	1500	*	1
	Lympne	1009·7	+0	SSW	2	bc	56	65	9	2	-	1	1	2·3	5700	20	*
2	Shoeburyness	1008·8	+0	SSW	2	c	55	75	8	8	6	3	4·6	9	4000	0	*
	Felixstowe	1008·8	-0	S'E	3	bc	53	85	8	8	-	1	2·3	4·6	4000	0	2
	Gorleston	1008·8	+4	SE	3	c/pr	50	95	6	6	3	-	4·6	7·8	1500	1	2
	Cranwell	1008·3	+2	ENE	2	cu	54	85	6	3	-	-	9	9	4000	1	*
3	Birmingham	1007·9	+0	S	1	bc	55	55	8	3	3	-	4·6	4·6	4000	1	*
	Upper Heyford	1008·4	+2	-	0	bc	59	45	8	3	9	4	1	2·3	1500	1	*
4	Ross-on-Wye	1008·5	+4	SW'W	3	c	54	75	8	8	7	-	4·6	9	4000	1	*
5	Portland Bill	1009·1	+0	SW	2	bc	50	95	8	4	4	-	2·3	4·6	2500	0	2
	Plymouth	1008·1	+6	SSE	4	c	52	85	9	8	6	4	2·3	7·8	2500	1	2
	The Lizard	1007·3	+0	E'S	3	c	52	95	8	8	4	-	4·6	7·8	2500	1	2
	Scilly (St. Mary's)	1006·6	+0	SSE	3	bc	52	85	7	8	8	-	4·6	4·6	2500	1	2
	Guernsey	1008·8	+0	E	1	bc	53	85	9	7	3	-	4·6	4·6	4000	0	1
6	Pembroke	1007·7	-2	SSE	1	c	51	75	7	3	7	1	4·6	4·6	1500	0	1
7	Holyhead	1009·8	+6	N	2	bc	50	95	6	3	-	1	Tr	2·3	2500	0	0
	Chester (Sealand)	1008·6	+2	NW'N	2	c	53	65	7	5	7	3	4·6	9	7200	0	*
8	L'pool (Bidston)	1009·0	+0	N'E	2	bc	51	85	7	1	6	-	2·3	4·6	4000	0	*
9	Harrogate	1009·7	+6	SE	3	c	49	85	5	6	1	-	7·8	9+	2500	1	*
10	Spurn Head	1009·3	+6	NE	3	c/pr	47	95	5	5	2	-	4·6	10	1500	0	2
	Catterick	1010·3	+14	NNE	2	c	48	85	6	5	-	-	10	10	1500	1	*
	Tynemouth	1010·9	+10	NE	3	c/r	45	95	7	6	-	-	10	10	1500	1	2
11	Inchkeith	1012·1	+6	ENE	3	c	46	85	8	8	-	-	9+	9+	2500	1	4
12	Leuchars	1012·6	+4	E	3	c	47	75	8	6	7	-	7·8	9+	4000	1	*
	Renfrew (Abbotts I.)	1011·8	+2	NE	2	c/pr	49	85	6	5	7	-	7·8	7·8	2500	1	*
	Eskdalemuir	1011·8	+10	NE	4	o	42	95	6	5	-	-	10	10	220	1	*
13A	Tiree	1013·2	-2	N	5	b	48	75	9	7	4	5	Tr	1	2500	0	4
13B	Stornoway	1012·9	-4	NE	5	c	46	95	7	8	7	-	4·6	9+	1500	1	2
15	Dalwhinnie §	1012·9	+2	NE	3	bc	47	75	8	4	-	-	4·6	4·6	4000	0	*
	Aberdeen	1012·3	+0	N	3	bc	50	65	8	7	-	1	4·6	4·6	4000	1	1
	Wick	1012·9	+8	N	3	pr.	46	95	7	8	1	-	7·8	9+	1500	1	2
16	Lerwick	1014·6	+10	NE	6	c	42	65	8	8	3	-	4·6	7·8	1500	0	*
17	Blacksod Point	1012·8	+8	N	7	cq	49	75	8	8	-	-	7·8	7·8	220	0	5
18	Malin Head	1012·8	+4	N'E	4	c	48	95	8	5	-	-	9+	9+	2500	0	3
	Aldergrove	1011·2	+8	NE'N	5	c	48	75	7	8	3	-	9	9+	1500	1	*
	Donaghadee	1010·5	+2	ENE	3	c	47	85	7	5	-	-	9	9	1500	0	2
19	Birr Castle	1008·6	+6	NE	3	c	50	75	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1009·0	+6	ENE	3	r	46	95	8	6	-	-	9+	9+	1500	1	1
	Roches Point	1008·1	+2	SE	3	bc	52	75	8	3	-	-	4·6	4·6	2500	0	3

PAST 24 HOURS.

District.	Stations.	WEATHER. 7h.–13h. 30th (37)	13h.–18h. 30th (38)	18h. 30th to 1h. 1st (39)	1h.–7h. 1st (40)
1	London (Kew)	cbcmoy	bcy	bcpro	bcf
	Croydon	bbc	bccbc	bcbw	bmow
	S. Farnborough	bbcmy	bcyphr	PRb	Fmf
	Winchester	cbcc	cypr	cbcb	bbff
	Boscombe Down	bfbcc	cpr.cpr	hcb fe	bFebcm
	Calshot, S'thmtn	bc	bcy		bwbcf
	Dungeness	bc	bc	*	f
	Lympne	cbcc	cbcry	bvw	bfb
2	Shoeburyness	bc	bcc	cbc	bcf
	Felixstowe	cmobcby	bc	bc	bccofmcm
	Gorleston	bc	bcpr.	clprm	ffoe
	Cranwell	cmpr.	cbc3o	ctLR	o
3	Birmingham	bbc	bc	bcc	co
	Upper Heyford	bcy	bbcy	bcPR	como
4	Ross-on-Wye	bfbybcc	cyc	cbcvb	bmwcof
5	Portland Bill	bcc	cbc	ofc	c
	Plymouth	cmocpr	cbcvc	cvbc	bccRRtLr
	The Lizard	bcpr.	bcc	cpr.	cpr.c
	Scilly (St. Mary's)	cp.	cpobc	cpbc	bcc
	Guernsey	bcc	bccbc	cprbc	bcwc
6	Pembroke	bcproc	c	cbc	bcic
7	Holyhead	cbc	bcwm.	crm.	orrm
	Chester (Sealand)	bccpr.	bcc	ctLR	corrm
8	L'pool (Bidston)	bcbb	bbbc	c	corrm
9	Harrogate	cbcjt	bccrrtl	cir.	offid.
10	Spurn Head	c3cj	c3fpr.	co	oc
	Catterick	cmo.	TLRrcm	cmoro	om.
	Tynemouth	oro.c	cir.	oir.o	o
11	Inchkeith	rrc	c	c	cir
12	Leuchars	crrrom	c	c	cir.c
	Renfrew (Abbotts I.)	cir.	cmop.	p.c	bccw
	Eskdalemuir	cro.	cro.omo	ro.om.	c
13A	Tiree	cirbc	b	b	c
13B	Stornoway	cpr	cpr.	cpr.bc	bc
15	Dalwhinnie §	bc	irobc		c
	Aberdeen	c	cbc.	bccpbr	cpr.c
	Wick	pr.pr	prpr.	crrc	c
16	Lerwick	cir.	cpr.	cpr.y	c
17	Blacksod Point	pr.cq.	pr.cq.	pr.c	bcq
18	Malin Head	cir	c	c	c
	Aldergrove	cro.c	c	c	cer.
	Donaghadee	ocpr.	cpr.c	c	cir.c
19	Birr Castle	c	c	c	cx
20	Valentia Obsy.	bcc	cprcr	ocirc	cx
	Roches Point	bc	bc	bc	bcp.c

§ The observations entered in 18h section (Cols. 15-30) refer to 17h

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
)p, precipitation within sight of station.
ks, storm of drifting snow.
k/o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus.
R, heavy rain. r., slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

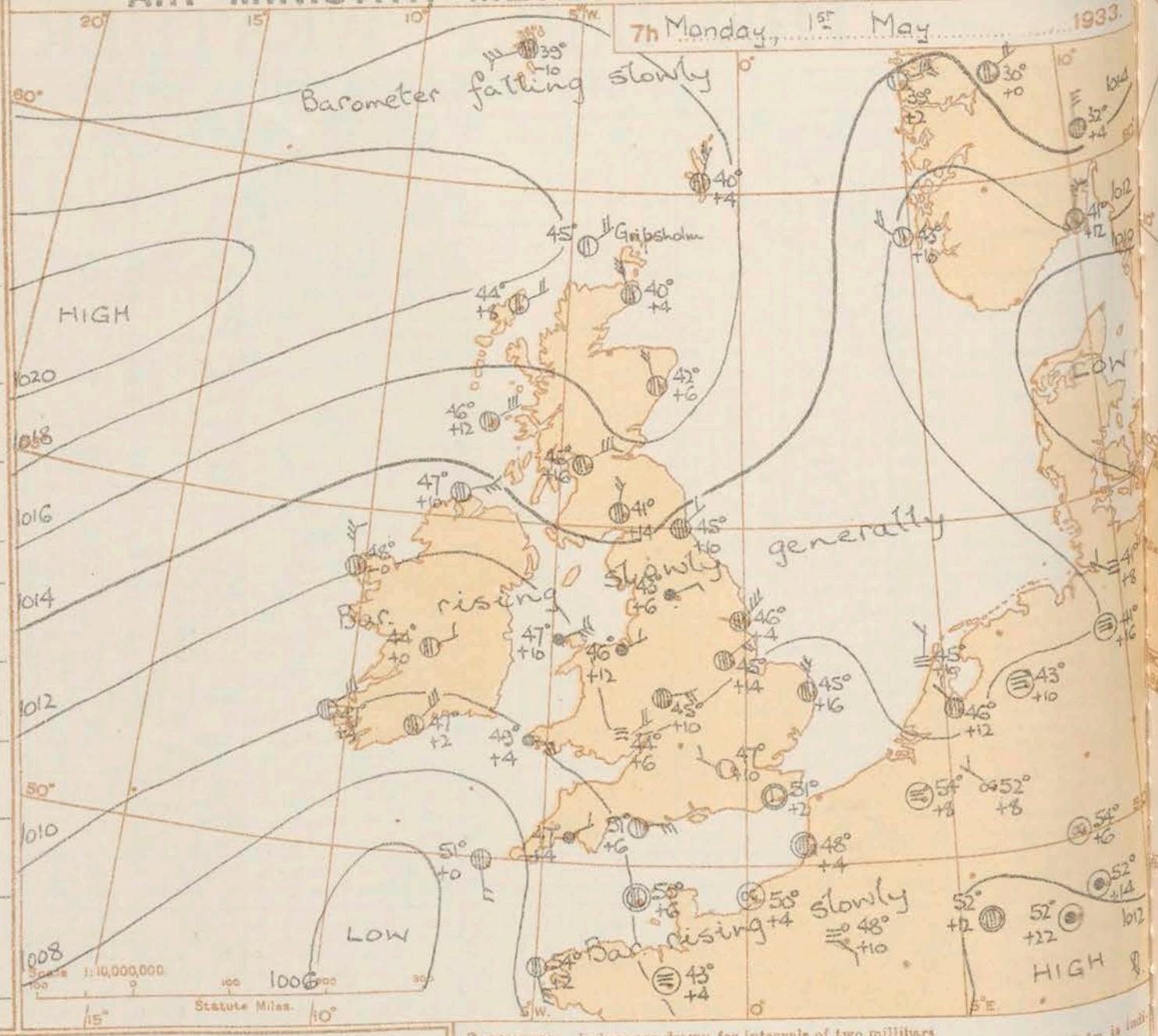
REPORTS from HEALTH RESORTS for 30th APRIL 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 29th to 9h. 30th	Temperature. Max. 9h.—17h. 30th	Rainfall. Night. 17h. 29th to 9h. 30th	Rainfall. Day. 9h.—17h. 30th	Sunshine. Sunrise to 17h. 30th	Sunshine. Sunrise to Sunset. 29th
1	Tunbridge W.	bc	cqhbc	44	61	-	Tr	7·1	6·0
	Bournemouth	b	b	44	59	-	-	8·8	6·5
	Ventnor ...	bcbz	bf	47	57	-	-	9·0	3·5
	Southsea ...	b	b	47	58	-	-	9·7	6·0
	Bognor Regis	bcbb	b	48	55	-	-	9·0	6·4
	Littlehampton	bc	bc	47	54	-	-	9·2	6·8
	Worthing ...	bccb	b	49	56	-	-	9·8	8·8
	Brighton ...	b	b	49	55	-	-	9·8	8·4
	Eastbourne†	bc	bccb	47	56	-	-	9·1	9·7
	Hastings† ...	bcb	bbcb	44	56	-	-	9·9	8·8
	Folkestone ...	b	bbc	45	56	-	-	8·9	7·6
	Dover... ...	b	b	46	55	Tr	-	9·2	7·4
	Deal	b	cb	44	61	-	-	8·6	7·2
	Ramsgate ...	bc	bc	44	55	-	-	7·1	7·5
	Margate ...	bc	bc	42	58	-	-	9·2	8·6
2	Southend ...	bz	bbc	45	61	0·1	-	10·4	3·2
	Maldon ...	b	bbc	40	61	0·5	-	7·9	3·1
	Clacton-on-Sea	cbc	bc	44	55	4	-	8·7	3·5
	Dovercourt ...	rocbc	bbc	43	57	6	-	7·8	5·0
	Lowestoft ...	b	bcpc	42	61	8	0·2	9·3	6·7
	Skegness ...	ombb	bcrtl	47	54	0·3	2	4·7	6·6
	Mablethorpe	cor	c	41	54	0·5	0·3	4·8	5·1
	Cleethorpes...	ocb	cpcfr	44	63	Tr	0·3	2·8	2·7
3	Leamington S.	bcb	b	38	61	-	-	8·5	2·8
4	Cheltenham†	bwbc	bcc	37	60	-	-	7·7	4·4
5	Bath	bbc	bcbc	40	60	-	2	5·7	3·3
	Weymouth ...	cbb	b	42	58	-	-	9·6	7·4
	Jersey ...	bc	bc	43	62	-	-	9·5	6·3
	Torquay ...	cr	rpbcb	38	55	0·4	1	8·6	10·1
	Penzance ...	crc	cbcp	45	57	6	3	3·8	7·7
	St. Ives ...	pr	c	46	57	5	1·4	4·7	7·4
	Bude	cp	cp	41	56	-	2	2·d	10·7
	Ilfracombe ...	cbcbc	cpc	45	55	-	6	1·4	8·2
6	Aberystwyth	bc	bc	43	53	-	-	7·7	8·9
7	Llandudno ...	bc	bcbc	41	56	-	Tr	6·9	7·4
	Colwyn Bay...	bbbc	bcbc	42	57	-	-	7·8	6·8
	Rhyl								
8	Wallasey ...	b	bbc	43	55	-	-	7·8	7·2
	Southport‖ ...	cbcb	bbcc	46	57	-	-	7·8	5·4
	Blackpool ...	cbc	bbc	46	56	-	-	6·7	6·6
	Morecambe ...	ccbbc	b	48	56	-	-	6·4	6·0
9	Ilkley... ...	bc	ctlc	42	60	13	-	3·8	0·0
10	Berwick-on-T.	oR	r.o	44	45	14	3	0·0	3·8
11	Dunbar ...	crr	c	42	47	18	1	0·1	4·0
12	Troon... ...	roro	ororo	44	50	4	0·5	0·0	7·0
	Douglas ...	oidcb	cbbc	41	53	Tr	Tr	4·6	2·5

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Monday, 1st May 1933.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st May, 1933.

Districts.	Forecasts
1. S.E. England	Light variable to northeast wind; cloudy, local rain or showers, perhaps thunder; moderate temperature.
2. E. England...	Light or moderate northeasterly wind; cloudy, local rain or showers, perhaps thunder; moderate temperature.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light or moderate east or northeast wind; cloudy, local rain or showers; local thunder; moderate temperature.
6. South Wales	
7. North Wales	Light or moderate northeast wind; cloudy, local rain or showers; moderate temperature.
8. N.W. England	
9. N Midlands	
10. N.E. England	
11. S.E. Scotland	Light northeast or variable wind; mainly fair but local showers; moderate temperature.
12. S.W. Scotland & Isle of Man	
13. A. W Scotld. B. N.W. Scotland	Light variable wind becoming westerly; mainly fair at first, cloudy with local rain or drizzle later; moderate temperature.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	Moderate to light northeast wind; variable cloud; local showers; moderate temperature.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS — ◯ Clear sky. ◯ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. ↯ Thunder. ↯ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure extending from an anticyclone on the Atlantic over the North of Scotland is moving slowly south while a shallow depression is situated off our southwest coasts. There will be local rain or showers and thunder in places.

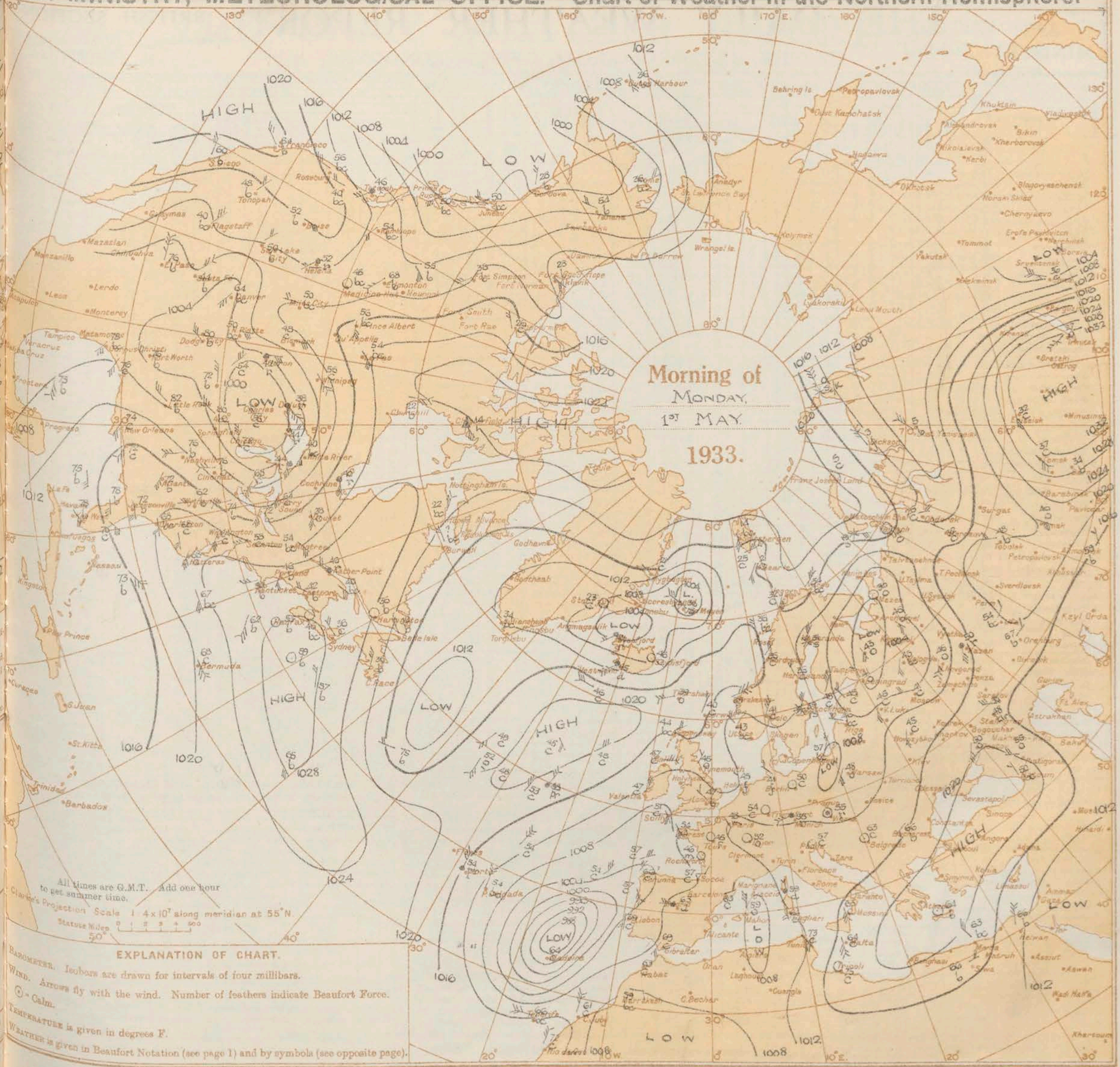
FURTHER OUTLOOK.

None issued.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 1st MAY 1933.

No. 26093

OBSERVATIONS at 1 hr. G.M.T. 1st May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010·2	+8	SSW	2	b	41	95	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1011·0	+2	NW	1	b	44	95	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010·2	+6	NNW	2	F	48	95	1	5	-	-	10	10	<150
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1009·7	-6	E	2	c	48	85	8	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1008·0	+2	E'S	3	c	50	95	8	8	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	163	1007·3	+2	S'E	2	bc	49	95	7	8	-	-	4-6	4-6	4000
	Guernsey ...	175	1009·8	+4	-	0	bc	49	95	8	8	-	-	2-3	2-3	2500
6	Pembroke ...	142	1008·6	+2	ESE	1	bc	47	95	8	5	4	-	2-3	4-6	2500
7	Holyhead ...	26	1010·7	+4	NE'N	3	c	48	85	6	5	-	-	9+	9+	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010·9	+4	NE	3	c	46	95	7	-	2	-	0	10	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1013·3	+6	NE	3	o	44	85	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1014·2	+10	NE	2	c	44	85	8	5	-	-	9+	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L.	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1015·3	+4	NE	5	bc	43	95	8	8	7	-	4-6	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016·6	+16	NE	5	c	43	75	8	8	1	-	7-8	9	1500
16	Lerwick ...	54	1016·4	+4	NE	4	c	40	55	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1013·5	+2	N	5	q	49	85	7	3	-	-	4-6	4-6	450
18	Malin Head ...	52	1013·2	0	N'E	3	C	46	95	8	4	-	-	9	9	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1009·8	+6	NE'E	5	u	47	95	7	3	-	-	9+	9+	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 1st May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1011·8	+8	N'E	2	of	45	95	3	5	-	-	10	10	<150	0	*
	Croydon ...	1011·2	+10	NW	1	b	47	85	6	-	3	1	0	Tr	-	1	*
	S. Farnborough	1011·6	+8	-	0	F	41	95	1	5	-	-	10	10	<150	1	*
	Winchester ...	1011·1	+8	-	0	bf	42	95	3	-	-	-	0	0	-	1	*
	Boscombe Down	1010·9	+6	E'N	1	c	45	95	6	5	3	4	4-6	7-8	5700	1	*
	Calshot, (S'thmtn)	1010·7	+4	NNW	2	bc	45	95	6	5	3	1	1	4-6	2500	0	1
	Dungeness ...	*	*	NW'N	1	bc	*	*	6	1	3	*	2-3	2-3	1500	*	0
	Lympne ...	1011·6	+2	-	0	b	51	75	7	-	3	1	0	1	-	0	*
2	Shoeburyness	1011·5	+12	N	1	of-	48	95	3	5	-	-	10	10	<150	0	*
	Felixstowe ...	1011·7	+18	NNE	2	c	46	95	5	5	-	-	9+	9+	800	0	1
	Gorleston ...	1011·6	+16	NNE	2	o	45	95	6	5	-	-	10	10	1500	0	2
	Cranwell ...	1013·0	+14	NE'N	2	o	45	95	6	5	-	.	10	10	800	1	*
3	Birmingham ...	1012·5	+10	E	2	o	45	95	5	5	-	-	10	10	450	1	*
	Upper Heyford	1011·9	+10	NE	2	o	46	95	5	5	-	-	10	10	450	1	*
4	Ross-on-Wye ...	1011·3	+6	NE	2	of	44	95	3	5	-	-	10	10	450	1	*
5	Portland Bill...	1010·5	+6	E	3	c	51	85	8	4	4	-	4-6	9	2500	0	2
	Plymouth ...	1009·3	+4	ENE	1	cro	47	95	8	8	-	-	9+	9+	1500	1	2
	The Lizard ...	1008·1	+4	SSE	2	c	51	95	8	8	6	-	7-8	9	1500	1	2
	Scilly (St. Mary's)	1006·9	0	SSE	2	c	51	95	8	5	-	-	7-8	7-8	4000	1	1
	Guernsey ...	1010·1	+6	-	0	c	50	95	8	8	-	-	10	10	2500	0	2
6	Pembroke ...	1010·0	+4	ESE	2	cro	49	95	7	8	5	-	4-6	9	2500	0	1
7	Holyhead ...	1011·6	+10	ENE	5	ro/o	47	95	5	6	2	-	9	10	4000	1	2
	Chester (Sealand)	1012·7	+12	ENE	1	rr	46	95	4	6	-	-	10	10	800	1	*
8	L'pool (Bidston)	1012·6	+10	SE'E	3	rr	45	95	4	5	-	-	10	10	800	1	*
9	Harrogate ...	1013·6	+6	ENE	1	df	43	95	2	5	-	-	10	10	<150	1	*
10	Spurn Head ...	1012·8	+4	NE	3	c	46	95	7	5	2	-	4-6	10	2500	0	2
	Catterick ...	1014·2	+10	NNE	1	o	43	95	6	6	-	-	10	10	800	1	
	Tynemouth ...	1013·5	+10	NE	1	o	45	75	7	6	-	-	10	10	1500	1	1
11	Inchkeith ...	1014·9	+6	NE	4	cr	42	95	7	6	-	-	10	10	1500	1	3
	Leuchars ...	1016·3	+14	NNE	3	c	43	85	7	5	2	-	7-8	10	1500	1	*
12	Renfrew (Abbotts L.	1015·3	+16	ENE	4	c	45	85	7	9	7	-	7-8	9	1500	1	*
	Eskdalemuir ...	1015·0	+14	N'E	2	c	41	85	8	5	7	-	7-8	10	800	1	*
13A	Tiree	1015·2	+12	NE'E	3	c	46	85	9	5	3	8	4-6	9	2500	0	2
13B	Stornoway ...	1016·2	+8	ENE	2	bc	44	95	8	8	4	-	2-3	2-3	2500	1	1
15	Dalwhinnie ...	1016·7	+16	NE	3	c	37	95	7	3	2	-	7-8	10	450	1	*
	Aberdeen ...	1016·8	+6	N'W	2	c	42	75	8	8	-	-	7-8	7-8	2500	1	2
	Wick	1017·8	+4	NNW	3	c	40	95	8	8	2	8	4-6	9	1500	1	3
16	Lerwick ...	1016·6	+4	NNE	2	c	40	65	8	5	2	-	9	10	1500	0	*
17	Blacksod Point	1013·4	0	N	4	c	48	75	8	7	6	-	4-6	7-8	1500	0	3
18	Malin Head ...	1013·7	+10	E	4	c	47	95	8	7	-	-	9+	9+	1500	0	2
	Aldergrove ...	1013·1	+6	E'N	4	cro	44	85	7	5	2	-	9+	10	800	1	*
	Donaghadee ...	1013·1	+6	ESE	3	c	46	85	8	5	2	-	4-6	7-8	1500 1500	1	2
19	Birr Castle ...	1010·9	0	ENE	1	c	44	95	8	5	-	-	9+	9+	450	1	*
20	Valentia Obsy.†	1010·3	+4	NE	3	c	47	85	7	8	-	-	9	9	1500	1	1
	Roches Point...	1009·3	+2	NE	3	c	47	95	8	3	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 30th Hr. (36)
1	London (Kew)...	62	40	33	-	Tr	2·5
	Croydon ...	62	39	36	-	Tr	2·7
	S. Farnborough	63	34	27	Tr	1	2·7
	Winchester ...	60	35	29	-	-	2·2
	Boscombe Down	58	37	33	2	0·1	7·1
	Calshot, (S'thmtn)	60	40	31	-	-	12·4
	Dungeness ...	59	34	*	-	-	*
	Lympne ...	59	38	32	-	-	11·4
2	Shoeburyness	62	35	28	-	-	3·9
	Felixstowe ...	55	43	38	-	-	5·8
	Gorleston ...	60	45	44	0·4	1	8·7
	Cranwell ...	59	43	41	Tr	12	7·8
3	Birmingham ...	59	44	39	-	-	6·4
	Upper Heyford	63	43	33	-	1	*
4	Ross-on-Wye ...	59	36	29	-	-	5·3
5	Portland Bill...	56	44	*	-	-	*
	Plymouth ...	56	45	45	2	11	6·4
	The Lizard ...	56	49	*	1	1	*
	Scilly (St. Mary's)	57	48	*	0·4	2	4·8
	Guernsey ...	57	46	40	-	0·4	10·0
6	Pembroke ...	55	46	*	-	Tr	5·2
7	Holyhead ...	53	47	43	-	2	10·0
	Chester (Sealand)	57	45	44	Tr	11	6·1
8	L'pool (Bidston)	54	45	44	-	3	7·1
9	Harrogate ...	55	43	42	2	2	2·1
10	Spurn Head ...	54	44	*	Tr	-	3·6
	Catterick ...	54	42	43	6	Tr	1·1
	Tynemouth ...	49	43	42	2	0·1	*
11	Inchkeith ...	47	42	40	4	0·2	0·3
	Leuchars ...	51	39	30	2	0·1	1·0
12	Renfrew (Abbotts L.	50	39	34	1	Tr	0·0
	Eskdalemuir ...	46	40	39	2	0·1	0·1
13A	Tiree	50	44	41	0·3	-	8·8
13B	Stornoway ...	48	38	*	0·3	0·2	3·4
15	Dalwhinnie ...	51	32	26	Tr	0·1	3·6
	Aberdeen ...	53	40	33	-	1	*
	Wick	48	38	*	2	*	0·6
16	Lerwick ...	46	37	*	0·2	-	*
17	Blacksod Point	52	45	*	Tr	Tr	1·6
18	Malin Head ...	49	45	*	5	-	0·1
	Aldergrove ...	49	44	42	0·1	Tr	*
	Donaghadee ...	48	45	*	0·6	1	*
19	Birr Castle ...	57	40	29	0·3	-	4·3
20	Valentia Obsy.†	57	46	44	2	2	5·9
	Roches Point...	54	46	*	-	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon. (24 hrs, ended 9h.)	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	cbcmoy	bcy	bcpobcf	62	40	33	-	Tr	9.3	*	*	4
Croydon	217	bbc	bccbc	bcbwmo	62	39	36	-	Tr	9.7	*	*	4
Greenwich (Royal Observatory) ...	149	by	bccy	cbxm	67	39	27	-	Tr	9.8	49	84	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	64	42	36	-	-	9.7	46	82	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	64	43	34	-	-	8.7	45	92	*
Camden Square	110	bbc	bcc	*	65	44	37	-	-	*	*	87	*
Kensington	80	bc	bc	*	63	42	31	-	-	9.5	At 18h.	84	*
Hampstead Observatory	450	bc	bc	*	63	41	26	-	-	6.8	53	?	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 1st

South Kensington.	Max.	Time.	Min.	Time.
	0.6	7h 1st	0.0	13h 20m, 30th

Kew Observatory.	Max.	Time.	Min.	Time.
	0.3	7h 1st	<0.1	12h 17m, 30th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 30th April Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Th. G.M.T. 1st May Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1009.0	S	2	c	59	1011.8	SE	1	m	48
Brussels	1009.0	NW	2	c	57	1011.2	-	0	bc	54
Berlin	1008.3	-	0	c	55	1009.9	-	0	30	50
Zürich	1011.6	SE	2	roro	55	1012.2	SSW	1	roro	54
Rome	1018.0	SSE	3	c	63					

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	61	41	Tr	Tr
Brussels	64	48	-	3
Berlin	63	46	1	-
Zürich	70	48	4	4
Rome	72		-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 2nd MAY 1933.

No. 26094

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 1st May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1012·3	0	ENE	3	c	57	65	5	8	-	-	9	9	1500
	Croydon	1012·0	+2	E'N	3	bc	57	65	5	7	-	-	4·6	4·6	4000
	S. Farnborough	1011·6	-6	SSE	2	c	61	55	7	2	6	-	4·6	7·8	5700
	Winchester	1011·3	-2	NNE	2	c	57	75	7	8	3	-	7·8	7·8	4000
	Boscombe Down	1011·6	0	ESE	2	c	59	65	8	8	-	-	7·8	7·8	4000
	Calshot, S'thmtn	1011·8	0	E'S	3	c	60	65	7	8	-	6	4·6	7·8	4000
	Dungeness	*	*	E	2	bc	*	*	6	8	9	*	2·3	4·6	1500
	Lympne	1012·3	-2	SSE	2	c	58	55	8	8	-	6	1	9	2500
2	Shoeburyness	1013·2	+6	E	4	c	53	85	6	5	-	5	4·6	7·8	800
	Felixstowe	1014·1	+8	NE'E	3	c	49	85	7	7	-	-	7·8	7·8	1500
	Gorleston	1014·1	+10	NE	3	o	47	95	6	5	-	-	10	10	2500
	Cranwell	1014·7	+6	NE	3	o/d	49	85	6	5	-	-	10	10	800
3	Birmingham	1013·4	0	ENE	3	c	50	85	5	5	-	-	10	10	1500
	Upper Heyford	1012·9	-4	E	3	3o	52	75	6	5	-	-	9	9	450
4	Ross-on-Wye	1012·0	0	E	3	c	54	75	5	8	3	-	9	9+	2500
5	Portland Bill	1011·2	+6	E	3	c	53	85	8	4	4	2	4·6	7·8	2500
	Plymouth	1009·9	-2	SE	3	c	56	85	8	8	-	7	4·6	10	1500
	The Lizard	1009·0	-2	ESE	3	c	55	95	8	8	6	-	4·6	9+	2500
	Scilly (St. Mary's)	1008·1	-4	SE	3	c	56	95	8	8	4	6	4·6	9	4000
	Guernsey	1010·9	-4	SE	2	bc	57	75	9	8	1	8	2·3	4·6	2500
6	Pembroke	1010·2	-4	ESE	2	pr	55	75	7	9	6	4	4·6	7·8	2500
7	Holyhead	1012·3	+2	E'N	5	c	53	85	6	5	-	-	9+	9+	4000
	Chester (Sealand)	1013·7	0	E'N	2	o	50	85	5	5	-	-	10	10	1500
8	L'pool (Bidston)	1013·5	0	ESE	3	3o	50	75	5	5	2	-	9	10	800
9	Harrogate	1015·2	+6	SE	3	c	47	75	7	6	2	-	7·8	10	2500
10	Spurn Head	1014·7	+4	E'N	4	c	47	85	7	5	2	-	4·6	9+	2500
	Catterick	1015·9	+4	NE'E	2	c	48	75	7	7	-	-	10	10	1500
	Tynemouth	1016·2	+16	NE	3	o	46	95	7	6	-	-	10	10	1500
11	Inchkeith	1017·8	+6	E	3	c	43	75	8	5	-	-	10	10	2500
12	Leuchars	1017·9	+4	E	3	c	47	55	8	5	-	-	7·8	7·8	4000
	Renfrew (Abbotts I.)	1016·9	+2	E'N	4	c	47	65	7	8	-	-	10	10	2500
	Eskdalemuir	1016·7	+8	NE'E	5	c	41	85	7	5	2	-	7·8	10	1500
13A	Tiree	1016·7	0	NE	3	c	49	75	9	8	7	-	4·6	7·8	2500
13B	Stornoway	1016·9	0	E	2	bc	47	95	8	8	4	1	2·3	4·6	2500
15	Dalwhinnie	1017·3	0	NE	3	c	45	95	8	4	-	-	7·8	7·8	4000
	Aberdeen	1018·2	+2	ENE	3	c	45	65	8	8	-	-	7·3	7·8	2500
	Wick	1018·3	0	NNE	3	c	44	65	8	8	1	8	7·8	7·8	2500
16	Lerwick	1016·8	-2	NNE	3	c	43	55	9	5	-	-	9	9	1500
17	Blacksod Point	1012·9	0	E	3	bc	52	75	8	4	4	-	2·3	4·6	450
18	Malin Head	1015·3	+4	E	4	bc	48	85	7	2	-	-	2·3	2·3	1500
	Aldergrove	1014·7	+2	E'N	5	c	50	75	8	8	7	-	9	9+	1500
	Donaghadee	1014·6	+4	E	3	c	47	85	8	5	-	-	9	9	1500
19	Birr Castle	1010·7	0	ENE	1	o	52	75	7	5	-	-	10	10	2500
20	Valentia Obsy.	1009·9	-10	NE'E	4	bc	55	65	8	8	-	-	4·6	4·6	2500
	Roches Point	1009·4	-6	SE	3	ir	52	95	8	6	-	-	9	9	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 1st May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1011·8	+6	E'N	4	c	53	65	5	5	2	7	2·3	10	2500	1	*
	Croydon	1011·8	+6	E'N	3	c	51	75	6	3	7	-	Tr.	9	4000	0	-
	S. Farnborough	1011·1	+2	ENE	3	c	55	75	6	5	1	-	4·6	10	4000	1	-
	Winchester	1010·4	-4	ENE	3	c	57	75	6	8	7	1	2·3	9+	4000	1	*
	Boscombe Down	1010·8	-6	ENE	3	c	58	75	5	3	3	-	4·6	9+	4000	0	*
	Calshot, S'thmtn	1010·4	-2	E'N	3	c	54	65	7	8	5	-	2·3	9	4000	0	1
	Dungeness	*	*	NE	4	bc	*	*	6	5	7	*	2·3	4·6	800	*	3
	Lympne	1012·5	+2	NE'E	4	c	49	85	6	8	-	8	4·6	7·8	4000	0	*
2	Shoeburyness	1013·4	+2	ENE	4	o	47	95	7	5	-	-	10	10	800	0	*
	Felixstowe	1014·2	+4	NE'N	4	c	46	95	6	5	-	-	10	10	800	0	2
	Gorleston	1014·3	-4	NE'E	4	o	47	95	6	5	-	-	10	10	2500	0	2
	Cranwell	1015·1	+2	NE'E	3	c	47	85	6	5	-	-	10	10	1500	1	*
3	Birmingham	1013·3	0	ENE	3	c	50	85	6	5	-	-	10	10	1500	1	*
	Upper Heyford	1012·4	+2	E	4	3o	52	85	6	5	7	8	4·6	9+	1500	1	*
4	Ross-on-Wye	1011·3	-4	NE'E	4	3o	54	75	6	-	7	6	0	9+	-	1	*
5	Portland Bill	1009·6	-12	E	3	c	52	75	8	4	7	-	7·8	9	2500	0	2
	Plymouth	1009·1	0	ESE	3	c	57	65	9	2	3	6	Tr.	7·8	4000	1	2
	The Lizard	1008·1	-4	ENE	2	bc	53	95	8	4	5	-	2·3	4·6	4000	1	2
	Scilly (St. Mary's)	1008·0	-2	E'S	3	c	53	95	7	8	1	6	7·8	9+	4000	0	2
	Guernsey	1008·7	-16	NE'	2	c	52	85	9	-	3	-	0	7·8	-	0	1
6	Pembroke	1009·4	-4	E	2	c	52	75	8	7	4	-	4·6	7·8	4000	0	1
7	Holyhead	1012·2	-2	E'N	5	c	51	85	5	5	3	8	4·6	9+	4000	1	2
	Chester (Sealand)	1013·8	+4	E	3	c	50	75	6	5	-	-	10	10	2500	1	*
8	L'pool (Bidston)	1014·0	+2	E	4	3o	49	75	5	5	2	-	4·6	9+	800	0	*
9	Harrogate	1015·7	0	ESE	2	c	47	75	7	5	-	-	9+	9+	4000	1	*
10	Spurn Head	1015·2	0	E	4	c	47	75	7	5	2	-	4·6	9+	2500	0	3
	Catterick	1016·3	+8	NE	3	c	46	85	7	5	6	-	10	10	4000	1	*
	Tynemouth	1017·5	+6	NE	3	o	45	75	8	6	-	-	10	10	1500	1	2
11	Inchkeith	1018·0	+2	E	2	c	44	65	8	5	-	-	9	9	2500	0	2
12	Leuchars	1018·2	+2	E	3	bc	45	65	9	5	-	-	4·6	4·6	4000	1	*
	Renfrew (Abbotts I.)	1016·8	-2	E	4	c	47	65	7	5	-	-	9+	9+	4000	1	*
	Eskdalemuir	1017·4	+4	NNE	3	c	41	75	7	6	2	-	9+	10	1500	1	0
13A	Tiree	1016·8	-2	N	2	c	49	75	9	5	3	-	Tr.	9+	2500	1	2
13B	Stornoway	1016·3	0	ENE	2	bc	46	95	9	8	9	-	2·3	4·6	2500	1	1
15	Dalwhinnie	1016·9	-2	E	1	bc	47	85	8	4	-	-	4·6	4·6	4000	0	*
	Aberdeen	1018·3	0	ESE	2	c	44	65	8	7	-	-	7·8	7·8	4000	1	2
	Wick	1018·5	+2	ENE	3	c	44	65	8	8	8	-	4·6	7·8	2500	0	2
16	Lerwick	1016·9	+2	NW	2	bc	45	55	9	5	8	1	1	2·3	2500	0	*
17	Blacksod Point	1012·6	-2	E'N	4	bc	53	65	7	5	6	-	4·6	4·6	450	0	4
18	Malin Head	1015·2	-6	E	4	bc	47	95	7	7	8	3	4·6	4·6	2500	0	2
	Aldergrove	1014·8	+2	E'N	4	c	47	85	7	5	7	-	7·8	9+	1500	1	*
	Donaghadee	1014·7	+2	E	3	pr	47	85	7	5	-	-	9	9	1500	1	2
19	Birr Castle	1010·6	+2	NE	2	c	50	85	7	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1008·6	-6	NE'E	4	pr	54	75	8	8	-	-	7·8	7·8	2500	1	2
	Roches Point	1009·1	-4	SE	3	c	52	85	8	3	-	-	7·8	7·8	2500	No	3

PAST 24 HOURS.

Weather. 7h.–13h. 1st (37)	13h.–18h. 1st (38)	18h. 1st to 1h. 2nd (39)	1h.–7h. 2nd (40)
cmfmo	crtlcmo	cmo	cmo
bbc3o	bcct3o	cmo	cmo
Fcbc	cipr	cmo	omo
bfbcc	cycmo	cmobcr	crormo
bcmoc	c cmo	c	cor mo
bcc	bc.		crobwb
bc	bc	*	o
bcc⊕	c3o	cbcmo	cmo
ofcmbc	bcco	o	cmo
cmo bc	bcc	cmo	c3o
03o3o	03o3o	03o9	cq
omdo	cmo		c
oc	c	c	c
odoc	c bc	cmo	como
ofomcm	c3 to	cz.omo	oroido
c	c	c	c
crro	cbcv	bcv.	bccmo
c	c	cproo	oproq
c	cbcc	cir	crorr
cbc	bcc	cbc	bcco
cprc	cprc	c	qmoc
rrocmo	irc	cbcmo	bcmo!!!
rroomo	03oc	como	como
rmomc	cgcmo	ccbcmo	mccmo
foc	c	c	c
cpd	bc	bcc	bc
omoc	cmo	cbc	bcc
o	opoo	o	obc
cir	c	cbc	bc
c cy	bcycv	bcvb	bbb
cwc	c	cbcmo	bcb
cproc	c	c	c
c.bcc	cirir	cbcW	bw.
bc	bc	bcc	c
bc	bc		bc
cproc	c	bcb	bxw
c	c	bc	bcc
cy	cbcy	bcc	c
bc	bc	cbc	bcq.
cbc	bc	bc	c
cro c	c	c	c
c	cpr	oproc	cbc
co	oc	c	c
cbc	bcpr	cprbc	bcc
cir.	cir.c	cpc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⁄⁄ gale
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

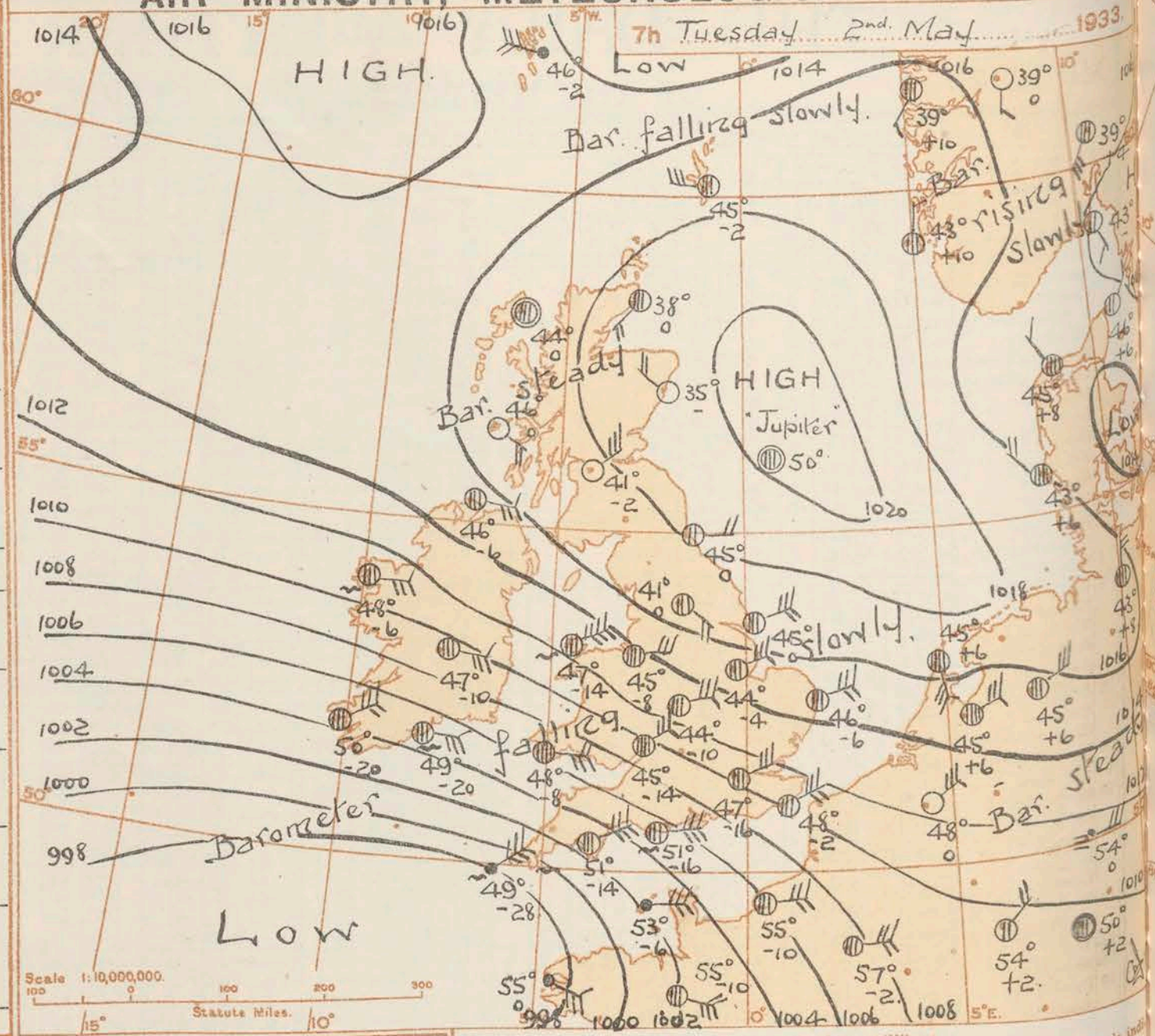
REPORTS from HEALTH RESORTS for 1st May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 30th to 9h. 1st	Temperature. Max. 9h.—17h. 1st	Rainfall. Night. 17h. 30th to 9h. 1st	Rainfall. Day. 9h.—17h. 1st	Sunshine. Sunrise to 17h. 1st	Sunshine. Sunrise to Sunset. 30th
1	Tunbridge W.	bbc	cbc	34	63	-	-	9·0	8·2
	Bournemouth	oc	bbc	40	60	-	-	7·1	10·6
	Ventnor ...	bc3	bc	45	58	-	-	8·0	10·6
	Southsea ...	b	b	41	61	-	-	9·5	11·7
	Bognor Regis	bcb	bcb	40	57	-	-	10·4	10·6
	Littlehampton	bc	bc	39	59	-	-	9·5	11·0
	Worthing ...	bcb	bbcb	41	57	-	-	10·7	11·7
	Brighton ...	b	b	39	58	-	-	9·7	11·6
	Eastbourne†	bc	bcb	39	59	-	-	10·9	10·8
	Hastings† ...	bcb	bbc	45	60	-	-	10·8	11·6
	Folkestone ...	bc	bc	42	59	-	-	10·0	10·2
	Dover... ...	bc	bcc	41	60	-	-	10·6	10·6
	Deal	b	cbc	39	57	-	-	5·3	9·8
	Ramsgate ...	bof	bcn7	45	54	-	-	6·5	7·2
	Margate ...	bc	cm$_0$	45	55	-	-	5·9	10·0
2	Southend ...	cbcb	bbcc	45	57	-	-	7·3	10·4
	Maldon ...	moc	bbc	40	57	-	-	6·0	8·1
	Clacton-on-Sea	cbc3	bc3	46	52	-	-	9·7	10·0
	Dovercourt ...	bc	bc	44	52	-	-	8·4	8·4
	Lowestoft ...	c	c	44	48	1	-	0·0	9·5
	Skegness ...	om$_0$	om$_0$	46	48	Trace	-	0·0	4·7
	Mablethorpe	o	oc	45	48	-	-	0·2	4·8
	Cleethorpes...	o	bco	45	53	1	-	0·8	2·8
3	Leamington S.	o	oco	45	55	Trace	-	0·2	9·7
4	Cheltenham†	owmc	cbcq	40	59	0·3	-	4·7	7·8
5	Bath	bcc	p$_c$	40	60	Trace	Trace	2·4	5·7
	Weymouth ...	cbcb	b	45	56	-	-	6·9	11·4
	Jersey ...	pcbc	bcc	45	61	Trace	-	5·4	10·5
	Torquay ...	wbc	bc	47	56	-	-	8·3	9·9
	Penzance ...	orcp	bcb	48	57	5	Trace	5·1	3·8
	St. Ives ...	c	b	49	59	10	-	6·5	4·8
	Bude	cpcbc	bcp	46	61	-	0·5	4·4	2·1
	Ilfracombe ...	pocbc	codc	48	57	0·1	3	1·1	3·1
6	Aberystwyth	cr$_c$	cmc	47	58	1	0·3	0·6	7·7
7	Llandudno ...	o	oc	46	54	5	-	0·6	6·9
	Colwyn Bay...	ro	obc	45	56	5	-	0·7	8·2
	Rhyl								
8	Wallasey ...	o	o	46	53	4	-	0·0	8·2
	Southport‖ ...	rc	coc	46	54	1	0·2	0·5	8·5
	Blackpool ...	c	c	45	52	-	-	0·4	8·1
	Morecambe ...	c	cbbcc	45	53	-	-	0·7	7·4
9	Ilkley... ...	c	c	43	50	Trace	Trace	0·3	3·8
10	Berwick-on-T.	oR	o	41	45	1	2	0·0	0·0
11	Dunbar ...	c	bc	42	45	-	-	0·0	0·1
12	Troon... ...	o	o	43	48	-	-	0·1	0·0
	Douglas ...	od$_0$	od$_0$c	45	49	-	0·5	0·0	4·9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday 2nd May 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh easterly wind, strong locally; cloudy or dull, probably some rain; rather cool.
4. W. Midlands 5. S.W. England 6. South Wales	Fresh easterly wind, strong on coast; cloudy or dull, rain at times; rather low or moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate or fresh easterly wind, strong locally; cloudy, perhaps slight local rain; moderate temperature or rather cool.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate variable wind; mainly fair; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland	As 7 - 10.
19. S.E. Ireland 20. S.W. Ireland	As 0 - 3.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. ⋿ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone is situated over the North Sea and a depression off Spain and Portugal is spreading northeast. Weather will be mainly fair in the North but unsettled in the South particularly in the Southwest.

FURTHER OUTLOOK.

Rather unsettled in the South; probably mainly fair in the North.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
TUESDAY
2ND MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 x 10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 2nd MAY 1933.

No. 26094

OBSERVATIONS at 1 hr. G.M.T. 2nd May

Division	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012·7	-2	ENE	4	c	48	85	6	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012·4	-6	NE'E	5	3.	47	95	5	-	3	1	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1015·6	+6	NE'E	4	c	46	95	6	5	-	-	10	10	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1008·2	-14	E'N	4	c	51	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1006·1	-12	NE'N	4	r.	50	95	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1005·2	-20	E'N	5	c/r.	50	95	7	5	-	-	9+	9+	4000
	Guernsey ...	175	1006·8	-4	E	1	bc	52	95	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1010·0	0	E'S	3	c	50	85	7	5	-	-	10	10	2500
7	Holyhead ...	26	1013·5	+4	E	5	c	47	85	6	-	-	8	0	7-8	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·4	+4	ENE	4	c	45	95	7	5	2	-	4-6	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1018·3	+6	NE	2	o	44	75	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1018·8	+8	NE	2	bc	41	75	8	5	3	-	2-3	4-6	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1016·7	0	-	0	c	42	95	8	8	6	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1019·1	+2	SW	2	bc	33	95	8	5	-	-	2-3	2-3	4000
16	Lerwick ...	54	1017·5	+2	WSW	2	c	42	85	8	5	2	-	4-6	9+	1500
17	Blacksod Point	18	1013·0	+2	E'N	4	c	49	85	7	-	7	-	0	7-8	-
18	Malin Head ...	52	1016·0	0	E	4	c	47	85	7	4	7	-	4-6	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1008·7	-6	E'N	4	c	48	95	8	5	-	-	7-8	7-8	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 2nd May

Division	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1011·5	-8	NE'E	5	c	48	75	6	5	-	-	10	10	1500	0	*
	Croydon ...	1011·5	-6	E'N	3	o	47	85	6	5	-	-	10	10	450	1	*
	S. Farnborough	1010·2	-10	ENE	5	o	47	85	6	5	-	-	10	10	800	1	*
	Winchester ...	1008·9	-10	NE'E	5	c	48	85	7	5	-	-	9+	9+	1500	-	*
	Boscombe Down	1009·4	-6	ENE	5	o	47	95	6	5	-	-	10	10	800	1	*
	Calshot (S'thmtn)	1008·1	-14	NE	6	bc	52	85	6	-	3	9	0	4-6	-	0	2
	Dungeness ...	*	*	ENE	5	c	*	*	6	5	5	*	7-8	9	1500	*	3
	Lympne ...	1011·9	-2	NE'E	5	3.	48	95	5	5	-	-	9+	9+	5700	0	*
2	Shoeburyness	1013·2	+4	NE	6	c	48	85	6	5	-	-	9+	9+	1500	0	*
	Felixstowe ...	1013·9	+0	NE'E	5	c	47	85	6	5	-	-	10	10	800	0	3
	Gorleston ...	1014·8	-6	ENE	5	c	46	85	6	5	-	-	10	10	2500	0	3
	Cranwell ...	1015·6	-4	ENE	4	o	44	85	7	5	-	-	10	10	800	0	*
3	Birmingham ...	1013·6	-10	ENE	4	c3	44	85	5	5	-	-	10	10	1500	1	*
	Upper Heyford	1012·3	-12	E	5	o	44	95	6	5	-	-	10	10	450	1	*
4	Ross-on-Wye ...	1011·4	-14	ENE	4	o	45	85	6	5	-	-	10	10	1500	1	*
5	Portland Bill...	1005·4	-16	E'N	6	c	51	85	7	4	-	-	9	9	2500	0	4
	Plymouth ...	1003·1	-14	ENE	6	c	51	85	6	5	7	-	7-8	9+	1500	1	3
	The Lizard ...	999·8	-20	NE'E	7	oRR	50	95	6	5	-	-	10	10	1500	1	4
	Scilly (St. Mary's)	999·2	-28	ENE	6	RR	49	95	4	6	-	-	10	10	1500	1	4
	Guernsey ...	1003·1	-10	E	5	rr	53	85	6	6	-	-	10	10	2500	1	3
6	Pembroke ...	1007·0	-10	E	5	oq	48	85	6	5	-	-	10	10	1500	0	3
7	Holyhead ...	1011·3	-14	E'N	7	c	47	85	6	5	3	-	1	9	800	1	4
	Chester (Sealand)	1014·4	-8	E'N	3	o	45	85	6	5	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1014·3	-10	E	5	c3	43	75	5	5	2	-	4-6	9+	800	0	*
9	Harrogate ...	1017·6	+0	ESE	2	c	41	75	9	6	2	-	1	10	4000	1	*
10	Spurn Head ...	1016·2	-0	E'N	5	c	45	75	7	5	7	-	4-6	9+	4000	0	3
	Catterick ...	1017·9	-2	NE	1	o	43	75	8	5	-	-	10	10	2500	1	*
	Tynemouth ...	1018·2	+0	E	2	bc	45	65	8	2	-	-	2-3	2-3	2500	1	2
11	Inchkeith ...	1018·8	+0	E	2	bc	42	85	8	5	-	-	2-3	2-3	4000	0	1
	Leuchars ...	1019·3	+0	NW	1	b	36	95	8	-	3	-	0	Tr	-	0	*
12	Renfrew (Abbotts L)	1018·1	-2	NE'E	3	b	41	75	7	-	-	-	0	0	-	0	*
	Eskdalemuir ...	1017·8	-4	NE'E	3	c	42	75	8	5	-	-	7-8	9	1500	1	*
13A	Tiree	1017·4	+0	E'S	2	b	46	65	8	-	-	8	-	Tr	-	0	1
13B	Stornoway ...	1016·7	+0	-	0	c	44	95	9	8	7	-	2-3	7-8	2500	1	0
15	Dalwhinnie ...	1019·9	+0	NE	1	b	34	85	8	-	-	-	0	0	-	0	*
	Aberdeen ...	1019·7	+6	NW	2	b	35	85	7	-	-	-	0	0	-	1	1
	Wick	1019·4	+0	SW	2	c	38	95	8	5	-	-	7-8	10	2500	-	2
16	Lerwick ...	1016·8	-2	W	3	c	45	85	9	5	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1011·5	-6	E	4	cq	48	75	7	-	7	-	0	9	-	0	4
18	Malin Head ...	1015·5	-6	E	4	c	46	85	7	7	-	-	9+	9+	1500	0	2
	Aldergrove ...	1015·5	-8	ENE	4	c	44	95	7	7	-	-	9	9	1500	1	*
	Donaghadee ...	1015·5	-4	E	3	bc	45	85	7	3	3	-	4-6	4-6	2500	0	2
19	Birr Castle ...	1009·3	-10	E	4	c	47	85	7	5	-	-	9	9	1500	0	*
20	Valentia Obsy.†	1004·6	-20	ENE	5	c	50	85	6	5	-	8	4-6	9	1500	1	3
	Roches Point...	1005·8	-20	E	4	c	49	85	8	3	-	-	9	9	1500	0	4

PAST 24 HOURS.

Division	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 1st Hrs. (36)
1	London (Kew)...	60	47	46	2	-	4·8
	Croydon ...	60	46	45	-	-	6·9
	S. Farnborough	62	45	44	Tr.	-	2·7
	Winchester ...	62	45	44	-	0·5	5·5
	Boscombe Down	(59)	46	44	-	1	4·3
	Calshot (S'thmtn)	60	48	47	-	0·4	9·4
	Dungeness ...	52	46	*	-	-	*
	Lympne ...	60	44	44	-	-	11·5
2	Shoeburyness	57	45	45	-	-	7·6
	Felixstowe ...	52	44	42	-	-	8·0
	Gorleston ...	48	46	44	-	-	0·0
	Cranwell ...	50	41	38	Tr.	-	0·0
3	Birmingham ...	51	43	42	-	-	0·0
	Upper Heyford	57	44	43	Tr.	-	*
4	Ross-on-Wye ...	56	44	43	-	0·2	1·4
5	Portland Bill...	54	49	*	-	-	*
	Plymouth ...	59	49	47	0·4	-	7·0
	The Lizard ...	57	50	*	-	0·1	*
	Scilly (St. Mary's)	57	49	*	-	3	5·6
	Guernsey ...	57	50	47	-	1	6·0
6	Pembroke ...	57	48	*	2	-	2·8
7	Holyhead ...	54	45	42	1	-	1·0
	Chester (Sealand)	54	42	36	1	-	0·1
8	L'pool (Bidston)	51	43	41	2	-	0·0
9	Harrogate ...	49	40	37	-	-	0·1
10	Spurn Head ...	50	43	*	Tr.	-	0·8
	Catterick ...	49	40	40	-	-	0·0
	Tynemouth ...	48	43	38	Tr.	-	*
11	Inchkeith ...	46	39	31	Tr.	-	0·0
	Leuchars ...	48	26	19	-	-	4·0
12	Renfrew (Abbotts L)	48	35	28	-	-	0·0
	Eskdalemuir ...	45	38	36	Tr.	-	0·0
13A	Tiree	53	40	32	2	-	2·5
13B	Stornoway ...	48	37	*	-	-	13·8
15	Dalwhinnie ...	49	40	40	-	-	2·2
	Aberdeen ...	48	43	38	Tr.	-	2·1
	Wick	45	30	*	-	-	*
16	Lerwick ...	45	39	*	-	-	3·0
17	Blacksod Point	55	47	*	-	-	*
18	Malin Head ...	49	44	*	-	-	0·0
	Aldergrove ...	51	43	41	Tr.	-	0·3
	Donaghadee ...	48	44	*	0·2	0·2	*
19	Birr Castle ...	57	45	43	-	-	2·4
20	Valentia Obsy.†	57	48	45	1	1	5·3
	Roches Point...	55	49	*	1	0·1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cmfmc	crtlmc	cmc	60	47	46	2	-	4·8	*	*	6
Croydon	217	bdcbc	bdcbc	cmc	60	46	45	-	-	6·9	*	*	6
Greenwich (Royal Observatory) ...	149	bz	bc	co	62	46	43	-	-	5·4	66	85	6
City (Bunhill Row)	—				*	*	*	*	*	5·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	62	47	46	-		7·0	62	83	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	61	41	41	1		5·3	65	81	*
Camden Square	110	cb	bcprc	*	62	47	46	·05	-	*	*	82	*
Kensington	80	bc	bcr.	*	61	48	45	Tr.	-	6·5	At 18h. 73	84	*
Hampstead Observatory	450	ombc	crtl	o	58	43	38	1	-	5·8	*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 2nd.

South Kensington. Max.	Time.	Min.	Time.
1·0	8-10h 1st	Nil	0-6 2nd

Kew Observatory. Max.	Time.	Min.	Time.
0·3	19h 1st	Lo·1	11hr 2nd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1009·5	ESE	2	bc	64	1007·4	E	3	c	57	68	50	-	-
Brussels	1011·2	ENE	2	bc	59	1011·9	NE	4	b	48	64	45	-	Tr
Berlin	1011·3	NW	1	c	61	1016·0	-	0	3o	52	64	46	-	-
Zürich	1012·8	SSE	5	r.	55	1011·0	W	1	m	50	70	48	2	9
Rome	1011·8	S	3	c	66	1013·1	SSE	3	b	68	77	52	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6¼ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 3rd May 1933.

No. 26095

OBSERVATIONS at 13h. G.M.T. 2nd May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1009.6	-14	E'N	6	ir.	52	75	6	5	-	-	10	10	1500
	Croydon ...	1009.6	-10	E	6	3.	49	85	6	5	-	-	10	10	800
	S. Farnborough	1008.3	-6	ENE	5	ir	49	95	6	6	1	-	9+	10	800
	Winchester ...	1006.7	-10	ENE	5	rr.	50	85	6	6	2	-	4-6	10	1500
	Boscombe Down	1006.0	-10	ENE	5	c/r	50	95	5	5	2	-	9	10	800
	Calshot, S'thmtn	1005.5	-10	ENE	6	ir.	54	85	6	6	7	-	4-6	10	2500
	Dungeness ...	*	*	NE	7	q	*	*	5	4	-	-	10	10	800
	Lympne ...	1009.4	-8	NE'E	6	c/pr	50	85	6	6	7	7	2-3	10	800
2	Shoeburyness	1011.0	-10	ENE	6	c	49	85	6	5	-	-	10	10	800
	Felixstowe ...	1012.1	-14	NE	6	3.	49	75	6	5	-	-	10	10	800
	Gorleston ...	1014.1	-6	ENE	5	c	48	85	6	5	-	-	10	10	2500
	Cranwell ...	1013.8	-14	ENE	4	c	46	75	7	5	-	-	10	10	1500
3	Birmingham ...	1010.8	-16	E	5	c	47	75	6	5	-	-	10	10	1500
	Upper Heyford	1009.5	-18	E	5	3.	49	75	6	5	2	-	7-8	10	800
4	Ross-on-Wye ...	1008.4	-16	E'N	4	ir.	50	75	6	6	-	-	10	10	2500
5	Portland Bill...	1001.0	-10	E'N	6	o/r	52	95	7	5	-	-	10	10	1500
	Plymouth ...	1001.0	-10	E	5	rr	51	95	5	6	2	-	9	10	800
	The Lizard ...	999.4	+10	ENE	5	m	51	95	4	5	-	-	10	10	800
	Scilly (St. Mary's)	997.6	-4	ESE	5	o	51	95	6	5	-	-	10	10	1500
	Guernsey ...	1001.5	-2	SE	3	bc	69	85	7	8	-	8	2-3	4-6	2500
6	Pembroke ...	1002.1	-8	E	6	pr	51	85	6	5	-	-	10	10	1500
7	Holyhead ...	1009.6	-10	ENE	6	q	49	75	6	-	7	-	0	10	-
	Chester (Sealand)	1011.7	-16	E	4	c	53	65	6	5	-	2	4-6	7-8	2500
8	L'pool (Bidston)	1011.4	-14	E	6	bc	50	55	6	-	-	6	0	4-6	-
9	Harrogate ...	1015.7	-6	E	3	c	46	65	9	5	-	-	9+	9+	4000
10	Spurn Head ...	1015.4	-4	E	5	c	46	75	7	5	2	-	4-6	9+	2500
	Catterick ...	1016.2	-10	NE	3	c	48	65	8	5	-	-	9+	9+	2500
	Tynemouth ...	1017.6	+4	E	3	c	45	65	8	2	-	-	4-6	7-8	2500
11	Inchkeith ...	1018.1	-4	E	4	c	47	65	8	5	-	-	9+	9+	4000
12	Leuchars ...	1018.7	0	E	3	c	48	65	8	7	-	-	7-8	7-8	4000
	Renfrew (Abbotts I.)	1015.9	-8	NE'E	5	bc	50	65	7	7	-	-	4-6	4-6	5700
	Eskdalemuir ...	1015.6	-6	E'N	5	bc	46	55	8	7	-	-	4-6	4-6	2500
13A	Tiree	1016.2	-8	NNE	3	b	51	65	9	1	-	8	1	1	4000
13B	Stornoway ...	1016.3	+2	ENE	3	b	49	95	9	1	-	-	1	1	2500
15	Dalwhinnie ...	1016.1	-4	SE	2	bc	51	85	8	4	-	-	4-6	4-6	4000
	Aberdeen ...	1019.2	0	ESE	3	b	47	55	8	1	3	-	1	1	2500
	Wick	1019.2	0	S	3	bc	46	85	8	5	6	-	4-6	4-6	4000
16	Lerwick ...	1017.1	0	W	3	c	49	75	8	5	7	1	4-6	7-8	1500
17	Blacksod Point	1009.5	-8	E	5	q	51	75	7	-	7	-	0	9	-
18	Malin Head ...	1013.6	-12	E	4	b	48	85	7	2	-	2	Tr.	1	2500
	Aldergrove ...	1012.8	-14	E'N	5	bc	51	65	8	7	3	2	2-3	4-6	1500
	Donaghadee ...	1013.6	-16	E	3	bc	49	75	8	4	3	-	2-3	4-6	2500
19	Birr Castle ...	1007.2	-12	E	4	rr.	46	85	7	5	2	-	7-8	10	1500
20	Valentia Obsy.	1000.8	-26	NE'E	5	r.	48	85	6	6	2	-	7-8	10	1500
	Roches Point...	1001.9	-24	NE	4	rr	47	95	6	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 2nd May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1008.1	0	ENE	5	rr	49	85	5	6	-	-	10	10	800	1	*
	Croydon ...	1008.1	-4	E'N	5	rr	47	95	5	6	-	-	10	10	450	1	*
	S. Farnborough	1006.6	0	ENE	5	o/r	47	95	6	6	-	-	10	10	450	1	*
	Winchester ...	1005.8	-2	ENE	5	c	49	85	6	5	-	-	9+	9+	800	1	*
	Boscombe Down	1005.0	+2	E'N	5	c	49	95	5	5	-	-	9+	9+	450	1	*
	Calshot, S'thmtn	1004.6	+2	NE	4	c	53	85	6	5	4	-	4-6	7-8	2500	1	2
	Dungeness ...	*	*	ENE	6	ir	*	*	6	8	-	*	9+	9+	800	*	4
	Lympne ...	1007.3	-4	NE'E	5	ir	49	85	5	8	-	-	10	10	2500	0	*
2	Shoeburyness	1008.9	-14	ENE	6	ir.	48	95	6	6	-	-	10	10	800	1	*
	Felixstowe ...	1009.8	-10	NE	5	rr.	47	95	6	6	-	-	10	10	800	1	3
	Gorleston ...	1011.3	-12	ENE	6	c	47	85	6	5	-	-	10	10	2500	0	4
	Cranwell ...	1012.5	-6	ENE	4	c	44	85	7	5	-	-	10	10	1500	0	*
3	Birmingham ...	1009.3	-6	ENE	5	ir.	44	85	5	6	-	-	10	10	1500	1	*
	Upper Heyford	1008.5	-4	ENE	5	ir	46	95	6	5	2	-	9+	10	800	1	*
4	Ross-on-Wye ...	1006.8	-10	E	4	r.	47	85	6	6	-	-	10	10	1500	1	*
5	Portland Bill...	1002.9	+6	NE	6	rr	52	95	6	6	-	-	10	10	800	1	5
	Plymouth ...	1001.0	0	E'N	6	3.	52	95	6	5	3	-	7-8	7-8	450	1	2
	The Lizard ...	998.9	0	NE'E	5	m	52	95	4	5	-	-	10	10	1500	1	3
	Scilly (St. Mary's)	997.9	-2	E'S	4	3.	53	95	5	5	-	-	7-8	7-8	2500	1	3
	Guernsey ...	1001.2	0	E	1	bc	57	85	7	8	1	1	2-3	4-6	4000	1	3
6	Pembroke ...	1002.9	+4	ESE	5	c/pr	51	85	6	8	-	-	9	9	2500	1	4
7	Holyhead ...	1007.8	+2	E'N	7	r.	46	85	6	6	-	-	10	10	2500	1	3
	Chester (Sealand)	1010.1	+8	ENE	4	ir.	47	65	6	5	7	-	7-8	10	1500	1	*
8	L'pool (Bidston)	1009.3	-10	E'S	5	q	47	65	6	5	1	-	9	10	800	0	*
9	Harrogate ...	1014.2	-6	ENE	3	c	44	65	9	6	7	-	7-8	9+	4000	1	*
10	Spurn Head ...	1012.9	-6	E	6	c	45	75	7	5	3	-	4-6	9	4000	0	4
	Catterick ...	1015.0	-4	NE'E	3	c	45	65	8	4	-	-	9	9	4000	1	*
	Tynemouth ...	1016.1	-6	E	3	o	44	65	8	6	-	-	10	10	1500	0	2
11	Inchkeith ...	1017.2	-8	E	4	c	44	65	8	5	-	-	9+	9+	4000	0	3
12	Leuchars ...	1017.8	-6	E	3	c	45	65	8	5	3	1	7-8	9	2500	0	*
	Renfrew (Abbotts I.)	1014.6	-6	ENE	6	c	47	65	7	1	7	6	Tr.	7-8	4000	0	*
	Eskdalemuir ...	1014.8	-6	E'N	5	c	42	65	8	5	-	2	4-6	9+	2500	1	*
13A	Tiree	1013.6	-14	NNE	2	c	51	75	9	-	5	6	0	9	-	0	2
13B	Stornoway ...	1015.1	-4	NE	6	bc	48	95	9	7	9	-	1	2-3	2500	1	3
15	Dalwhinnie ...	1015.6	-14	SE	6	b	46	85	8	4	-	1	1	2-3	4000	0	*
	Aberdeen ...	1018.2	-4	E'S	2	b	45	55	9	1	-	1	Tr.	1	2500	0	1
	Wick	1018.5	-6	-	0	bc	45	75	8	5	-	-	2-3	2-3	4000	0	2
16	Lerwick ...	1017.4	0	W	3	c	48	75	8	5	7	-	4-6	9	1500	0	*
17	Blacksod Point	1006.6	-14	E	8	q	50	75	7	-	7	-	0	9	-	0	6
18	Malin Head ...	1010.7	-18	E	5	c	50	85	8	-	-	7	0	9+	-	0	2
	Aldergrove ...	1010.3	-14	E'N	5	c	49	65	7	-	7	7	0	10	-	1	*
	Donaghadee ...	1010.8	-10	E	4	c	49	65	8	5	-	-	7-8	7-8	1500	0	3
19	Birr Castle ...	1003.6	-18	E	4	rr	46	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.	997.8	-18	E'N	6	c	51	75	8	5	-	-	10	10	1500	1	4
	Roches Point...	1000.5	-12	NE	5	rr	48	95	6	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–15h. 2nd. (37)	Weather. 15h.–18h. 2nd. (38)	Weather. 18h. 2nd to 1h. 3rd. (39)	Weather. 1h.–7h. 3rd. (40)
1	London (Kew)...	cm r.	or ror	om r	om
	Croydon ...	o3.	om rrrr	or. om rr	r. l m m
	S. Farnborough	om. cr.	orr r m.	o TLR	ortlR
	Winchester ...	cm. r r.	cir. cm.	cotlRc	com r
	Boscombe Down	om. r r m.	cm r m	beep r	crcom.
	Calshot, S'thmtn	cq r r.	cir. q		cRtl
	Dungeness ...	o	r	*	p
	Lympne ...	cm. p r.	cr. q	cRcbc	cm TLRm
2	Shoeburyness	cm.	cm cirm	cp. m.	crm.
	Felixstowe ...	c3.	c3. orrm	orrr r. m.	om.
	Gorleston ...	cq	cq	t. o p r. q	op. r b cq
	Cranwell ...	c	c	c p r	c
3	Birmingham ...	c	oir.	oir.	o
	Upper Heyford	ocq	cm r.	cir or	o Rir
4	Ross-on-Wye ...	oco	r cor	r. o	or
5	Portland Bill...	co RR	orr 3.	o3.	o t l rc 3.
	Plymouth ...	cm r r R	crrm be	bcm.	bc c p r r. m.
	The Lizard ...	o R r o	om c3	cm. oq	q p r. c
	Scilly (St. Mary's)	orrm	o cif	o f c l m	cmid.
	Guernsey ...	or Rc	bc	t. l ir	cbc
6	Pembroke ...	cq m p r c	cq m i r c	cq i r c q	cq b m i r c
7	Holyhead ...	cr m q	rr q	r r c m q	cr m.
	Chester (Sealand)	3. c	bc c r.	r. o m.	om.
8	L'pool (Bidston)	bc c by	bc q c q	o p r o	m.
9	Harrogate ...	c	c	c	c
10	Spurn Head ...	bc	bc	bc	bc
	Catterick ...	c	c b c y c	c	c
	Tynemouth ...	bc c	c o	co	oc
11	Inchkeith ...	bc c	c	c	c
12	Leuchars ...	by c y	c b c c y	c	co
	Renfrew (Abbotts I.)	by bc	b b c y	bcc	c
	Eskdalemuir ...	c b c y	b c y c	c	c
13A	Tiree	b	b b c	c	c
13B	Stornoway ...	b c b	b b c	b c q	bc
15	Dalwhinnie ...	b	b	b	bc
	Aberdeen ...	b y	b y	b b c c	c
	Wick	c b c	b c	b c c	c
16	Lerwick ...	c	c	cid. m.	cid.
17	Blacksod Point	c b c q	c q	ir. q	p r c q
18	Malin Head ...	c b c	b c	c	p c b r q
	Aldergrove ...	c b c	b c c	c	c
	Donaghadee ...	bc	b c c	c	c
19	Birr Castle ...	cr.	orr	r r o	oc
20	Valentia Obsy.	cir. r r.	crrr r c	cbc	bc c p r c
	Roches Point...	corr	orr	orr d d	o d i c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r., slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊖ lunar halo. ⸗ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 8, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

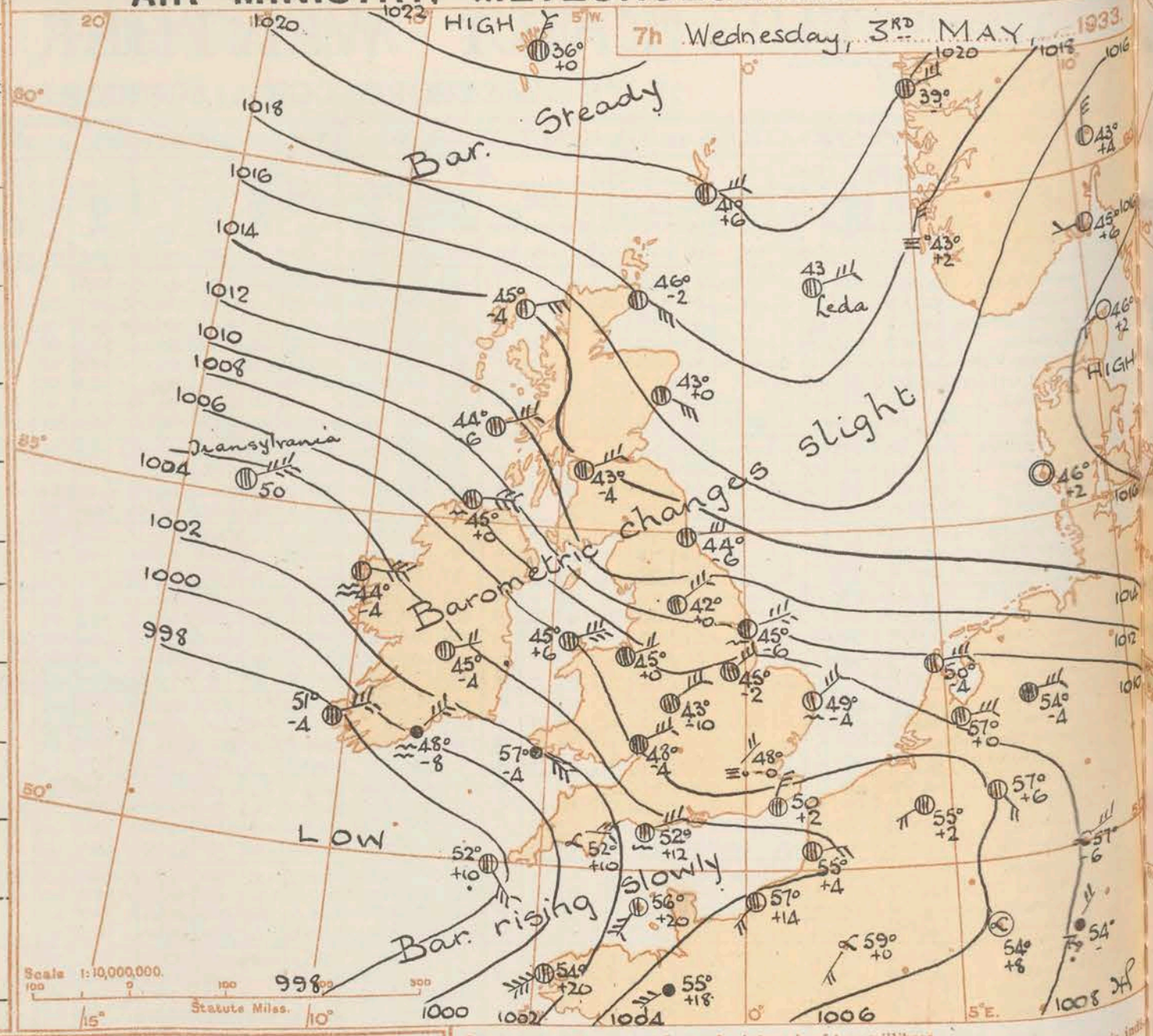
REPORTS from HEALTH RESORTS for Tuesday 2nd May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 1st to 9h. 2nd	Temperature. Max. 9h.—17h. 2nd	Rainfall. Night. 17h. 1st to 9h. 2nd	Rainfall. Day. 9h.—17h. 2nd	Sunshine. Sunrise to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
1	Tunbridge W.	op	opo	45	55	-	1	0.0	9.0
	Bournemouth	cb	rc	47	57	-	5	2.4	7.4
	Ventnor ...	couzr	crbou	49	53	-	5	1.5	8.0
	Southsea ...	cor.	or.c	49	58	-	1	1.6	9.8
	Bognor Regis	bcrr	rrbc	49	57	-	1	2.3	10.9
	Littlehampton	cbcp	cpc	49	58	-	2	2.1	10.5
	Worthing ...	bcc	roc	48	58	-	1	2.0	11.6
	Brighton ...	bcor	obc	48	58	-	1	2.5	10.1
	Eastbourne†	or	roc	48	54	-	2	0.9	11.9
	Hastings† ...	co	odro	45	63	-	5	0.5	11.8
	Folkestone ...	om.	om.r.	47	52	-	0.2	0.0	10.0
	Dover... ...	oc	copc	47	52	-	0.3	0.0	10.6
	Deal	oco	or.o	46	52	-	Trace	0.1	5.3
	Ramsgate ...	o	o	45	50	-	-	0.1	6.5
	Margate ...	c	cd.	45	50	-	Trace	0.0	5.9
2	Southend ...	occ3	oqr.on	46	55	-	Trace	0.0	7.3
	Maldon ...	o	o	47	52	-	-	0.0	6.0
	Clacton-on-Sea	co	o	46	50	-	-	0.0	3.8
	Dovercourt ...	oc	oc	44	50	-	-	0.1	8.4
	Lowestoft ...	c	c	45	50	-	-	0.2	0.0
	Skegness ...	om.	om.	45	47	-	-	0.0	0.0
	Mablethorpe	o	co	44	45	-	-	0.1	0.2
	Cleethorpes...	o	o	43	48	-	-	0.1	0.8
3	Leamington S.	o	co	44	52	-	-	0.1	0.2
4	Cheltenham†	om.co	coipo	44	52	Trace	Trace	0.1	4.7
5	Bath	c	cir	47	54	2	1	0.0	2.4
	Weymouth ..	cqp	r.c	48	55	-	2	0.2	7.4
	Jersey ...	rc bc	pcbc	52	68	7	1	4.8	5.4
	Torquay ...	orqpRR	om.q	49	52	1	12	0.0	8.7
	Penzance ...	crr	o	49	55	3	10	0.0	5.1
	St. Ives ...	r	o	50	55	Trace	6	0.0	6.5
	Bude	cpr	cprbc	48	56	1	3	0.7	5.1
	Ilfracombe ...	o	orc	47	55	2	2	0.0	2.1
6	Aberystwyth	cr.c	cir.c	45	51	0.3	0.3	0.1	0.6
7	Llandudno ...	co	or.	45	52	-	Trace	0.0	1.3
	Colwyn Bay...	o	op	43	52	-	Trace	00	0.7
	Rhyl								
8	Wallasey ...	oc bc	co	43	52	-	-	2.4	0.0
	Southport‖ ...	cbc	bcco	42	54	-	-	2.8	0.5
	Blackpool ...	c	c	41	52	-	-	4.7	0.4
	Morecambe ...	bbcb	cbcc	42	52	-	-	4.5	0.7
9	Ilkley... ...	c	c	40	48	-	-	0.2	0.3
10	Berwick-on-T.	bcc	co	39	48	-	-	6.0	0.0
11	Dunbar ...	bc	bc	34	47	-	-	7.5	0.0
12	Troon... ...	xbcc	cbcbc	37	55	-	-	10.9	0.1
	Douglas ...	bqcb	cbco	45	50	-	-	52	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h Wednesday, 3RD MAY, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd May, 1933.
1. S.E. England	Light or moderate southeast or south wind, fresh locally; bright intervals, occasional local rain or showers, thunder locally; moderate temperature.
2. E. England...	
3. E. Midlands	Moderate or fresh east or northeast wind, veering; cloudy, occasional rain or showers, bright intervals, local thunder; rather low to moderate temperature.
4. W. Midlands	
5. S.W. England	As 1.
6. South Wales	As 2 - 4.
7. North Wales	Moderate to fresh easterly wind; cloudy, local rain; rather cool.
8. N.W. England	
9. N Midlands	
10. N.E. England	
11. S.E. Scotland	Moderate or fresh easterly wind; cloudy, bright intervals; rather cool.
12. S.W. Scotland & Isle of Man	
13. A. W Scotld- B. N.W. Scotland	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	As 7 - 10.
18. N.E. Ireland	
19. S.E. Ireland	Moderate or fresh easterly wind; cloudy, occasional rain or showers, bright intervals, local thunder; rather cool.
20. S.W. Ireland	

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◯ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail
≡ Fog ≡ Mist. T Thunder. ⊏T Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high in a belt from Iceland to the Southern Baltic. A depression is siatuated off our southwest coasts and secondaries are travelling round it. Except in Scotland weather will be rather unsettled and thunderstorms will occur locally.

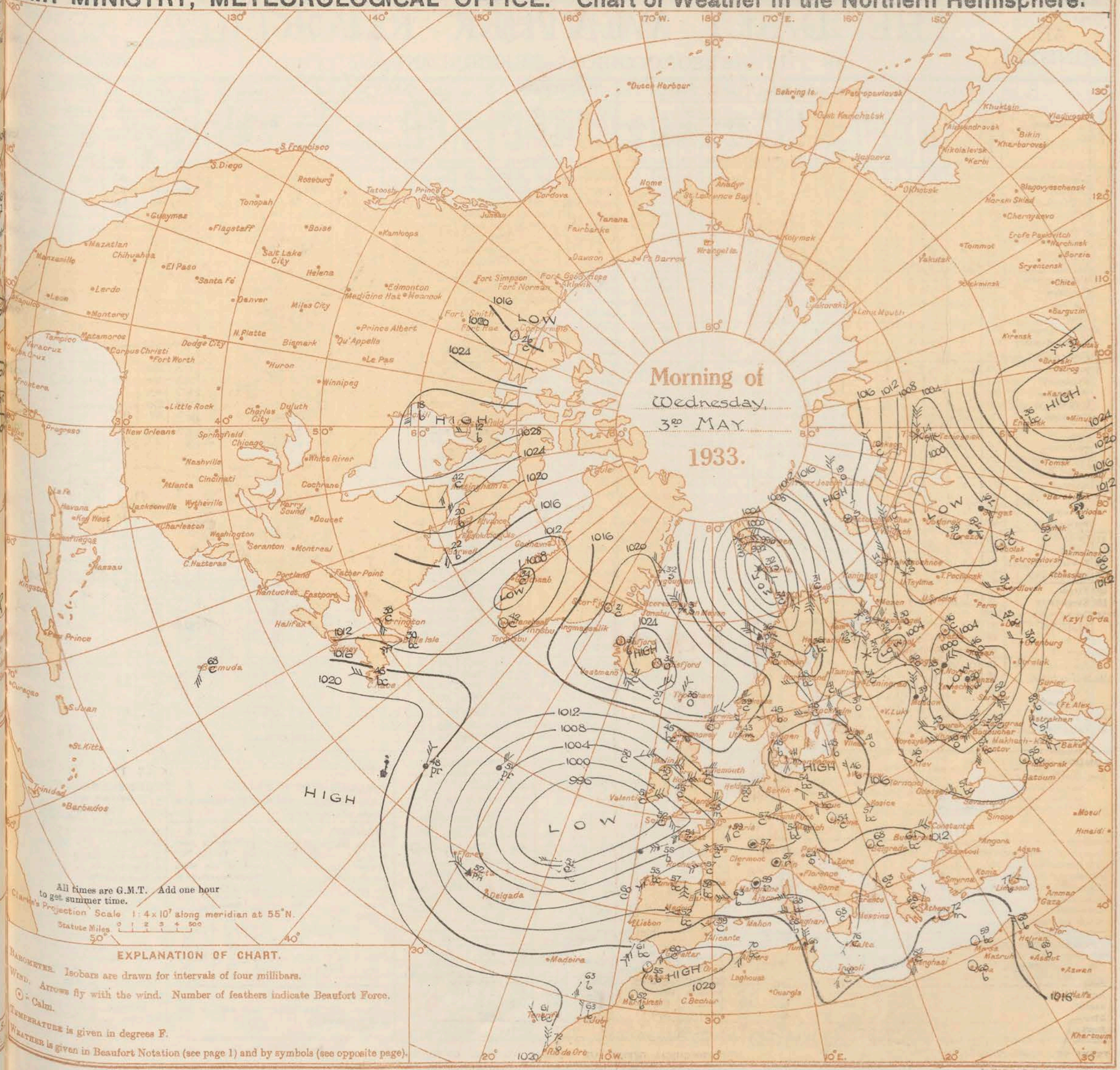
FURTHER OUTLOOK.

Rather unsettled in the South, doubtful in the North.

Forecasts issued at 0950 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.


Morning of
Wednesday,
3RD MAY
1933.
LOW
HIGH
HIGH
LOW
HIGH
HIGH
LOW
HIGH
HIGH
1016
1020
1024
1028
1012
1008
1004
1000
996
Dutch Harbour
Behring Is.
Petropavlovsk
East Kamchatsk
Khuktsin
Vladivostok
Alexandrovsk
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Okhotsk
Blagovyeschensk
Norski Shkol
Chernyaevo
Erofe Pavlovitch
Nerchinsk
Borzia
Sryentensk
Chita
Barguzin
Kirensk
Yakutsk
Toimmot
Olekminsk
Lena Mouth
Kolymsk
Wrangel Is.
Anadyr
St. Lawrence Bay
Nazarova
Khatanga
Dikson
Yenisseisk
Tomsk
Petropavlovsk
Kzyl Orda
Orenburg
Uralsk
Astrakhan
Ft. Alex
Baku
Batoum
Mosul
Hinaidi
Khartoum
Asyut
Aswan
Gaza
Ammar
Smyrna
Konia
Adana
Angora
Sinope
Constantsa
Odessa
Sevastopol
Kherson
Nikolaiev
Kiev
Moscow
Perm
Kazan
Archangel
Murmansk
Tromsoe
Hammerfest
Vardoe
Reykjavik
Thorshavn
Lerwick
Aberdeen
Edinburgh
Belfast
Dublin
Valentia
Malin Head
Stornoway
Oslo
Stockholm
Helsingfors
Berlin
Hamburg
Copenhagen
Warsaw
Cracow
Vienna
Budapest
Belgrade
Bucharest
Sofia
Salonika
Athens
Messina
Rome
Florence
Genoa
Nice
Marseilles
Clermont
Paris
Cherbourg
Brest
Lisbon
Oporto
Gibraltar
Malaga
Alicante
Mahon
Algiers
Tunis
Malta
Tripoli
Benghazi
Laghouat
Ouargla
C. Bechar
Mogador
Tenerife
Las Palmas
Madeira
Ponta Delgada
Flores
Horta
Fayal
Bermuda
Nassau
Havana
Key West
Jacksonville
Charleston
Wilmington
Washington
Philadelphia
New York
Boston
Portland
Father Point
Sydney
Halifax
Yarmouth
Eastport
Nantucket
Seranton
Montreal
C. Hatteras
Wytheville
Parry Sound
Douglas
Cochrane
White River
Sault Ste Marie
Port Arthur
Duluth
Winnipeg
Prince Albert
Qu'Appelle
Le Pas
Battleford
Edmonton
Medicine Hat
Moosejaw
Calgary
Banff
Prince Rupert
Vancouver
Victoria
Seattle
Portland
San Francisco
Roseburg
Tatoosh
Juneau
Kamloops
Boise
Salt Lake City
Tonopah
Flagstaff
Guaymas
Mazatlan
Chihuahua
Manzanillo
El Paso
Santa Fe
Denver
Miles City
Helena
Bismark
N. Platte
Dodge City
Fort Worth
Corpus Christi
Brownsville
Tampico
Veracruz
Progreso
Belize
Frontera
Campeche
Merida
Havana
Kingston
Port Prince
Curaçao
St. Juan
St. Kitts
Barbados
Trinidad
Monterey
Leon
Acapulco
Lerdo
Matamoros
Little Rock
Springfield
Chicago
Nashville
Atlanta
Cincinnati
Jacksonville
Wytheville
Charleston
Washington
Seranton
Montreal
Portland
Father Point
Eastport
Nantucket
Halifax
Yarmouth
Sydney
Bermuda
Nassau
Key West
Havana

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 3rd May 1933.

No. 26095.

OBSERVATIONS at 1 hr. G.M.T. 3rd May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	10066	-12	ENE	4	r.c.	48	95	5	6	-	-	10	10	450
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10055	-16	NE'E	5	C	49	85	6	-	1	-	0	9+	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	10093	-10	NE'E	5	0	45	95	6	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	10021	+6	ENE	5	0	51	95	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	9975	-2	E'N	6	q	51	95	7	5	-	-	10	10	2500
	Scilly(St.Mary's)	163	9961	-10	E'S	6	m	51	95	4	5	-	-	10	10	2500
	Guernsey ...	175	10008	-10	ESE	1	C	53	95	7	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	10017	0	ESE	5	q	50	85	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	10062	-14	E'N	7	q	45	85	6	5	3	8	4-6	9	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10116	-6	E	5	C	45	85	8	5	7	-	4-6	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	10152	-12	E	3	0	43	65	8	6	-	-	10	10	1500
11	Inchkeith ...	190	10163	-6	E	3	C	43	65	8	5	2	-	7-8	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18B	Stornoway ...	34	10144	-8	E	3	bc	43	95	7	8	7	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	10181	-8	SE	3	C	45	85	8	5	1	-	7-8	10	2500
16	Lerwick ...	54	10183	+4	NNE	4	c/d	43	95	6	5	-	-	10	10	800
17	Blacksod Point	18	10045	-10	E	7	rr	49	95	7	6	-	-	10	10	4150
18	Malin Head ...	52	10106	0	E	6	C	45	85	7	6	2	-	9+	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	9973	0	E'S	4	b	52	85	8	-	3	-	0	Tr.	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 3rd May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1005.6	0	NE	3	0	49	85	5	5	-	-	10	10	1500	1	*
1005.9	0	NE'E	2	m	48	95	4	5	-	-	10	10	450	1	*
1004.9	+8	ENE	3	o/r	48	95	4	5	-	-	10	10	450	1	*
1004.2	+6	NE	3	o/r	49	95	4	5	-	-	10	10	450	1	*
1004.0	+8	NE'E	3	o	48	95	5	5	-	-	10	10	450	1	*
1003.4	+8	NE'E	1	c	55	85	6	3	8	-	2-3	7-8	4000	1	-
					*	*	4	3	7	*	7-8	10	800	*	3
1004.9	+2	NNE	3	c/pr	50	95	4	3	2	-	9+	10	4000	1	*
1005.7	0	NE	3	ir	50	95	6	6	2	-	4-6	9+	4000	1	*
1006.2	0	NE	3	c	50	95	6	6	3	9	4-6	9	5700	1	2
1007.1	-4	NE'E	4	c	49	95	6	5	7	-	0	4-6	-	0	4
1009.2	-2	NE	3	o	45	95	7	5	-	-	10	10	800	1	*
1007.2	-4	ENE	4	o	43	95	5	5	-	-	10	10	800	1	*
1006.3	-2	NE	3	ir	45	95	5	4	5	-	10	10	450	1	*
1006.2	-4	E'N	4	o/r	48	95	5	6	-	-	10	10	800	1	*
1002.4	+12	E'N	4	c	52	95	6	4	5	-	10	10	1500	1	4
1001.5	+10	ESE	4	3c	52	95	7	4	6	-	7-8	9	800	1	1
999.6	+12	SE'S	3	c	52	95	7	5	-	-	10	10	2500	1	3
997.3	+10	SE'S	4	c/d	52	95	7	5	-	-	9+	9+	1500	1	3
1002.5	+2	SSW	4	bc	56	95	7	5	8	-	2-3	4-6	4000	1	3
1001.5	+4	ESE	5	ir	50	95	6	9	6	-	4-6	9+	1500	1	3
1005.9	+6	E'N	6	c/r	45	85	6	-	7	-	0	9+	7200	1	3
1008.3	0	E'N	2	o	45	85	6	5	-	-	10	10	1500	1	*
1008.0	0	E'S	4	o	43	85	5	5	-	-	10	10	2500	0	*
1011.7	0	NE	3	c	42	85	8	6	2	-	9	10	2500	1	*
1009.4	-6	ENE	5	c	45	95	7	5	2	-	4-6	10	1500	0	4
1012.8	0	NNE	3	c	43	75	8	6	-	-	10	10	1500	1	*
1013.6	-6	E	3	c	44	75	8	4	-	-	10	10	4000	0	2
1014.6	-6	E	4	c	43	75	8	5	-	-	10	10	2500	0	3
1015.8	-8	NE	3	c	44	65	8	5	-	-	10	10	2500	0	*
1013.6	-4	ENE	4	c	43	75	7	5	7	-	7-8	9+	1500	0	*
1012.8	-14	NE	4	c	40	75	8	5	9	-	9	9+	1500	1	*
1011.9	-6	E'N	4	c	44	65	9	5	9	8	2-3	9+	4000	0	2
1013.8	-4	E	3	c	45	95	8	8	7	-	2-3	4-6	2500	1	2
1015.3	-6	E	2	c	40	65	8	4	2	-	7-8	7-8	2500	0	*
1016.4	0	ESE	3	c	43	65	7	5	-	-	7-8	7-8	1500	0	1
1017.6	-2	ESE	3	c	46	95	8	8	1	-	4-6	7-8	2500	0	2
1019.7	+6	ENE	4	c	41	75	7	5	2	-	4-6	9+	1500	0	*
1003.6	-4	E	6	q	47	85	8	8	-	-	4-6	4-6	450	0	5
1009.1	0	E	6	c	45	85	8	5	7	-	9	10	2500	0	4
1008.3	+2	E'N	5	c	44	75	8	5	3	-	4-6	9	4000	1	*
1009.9	+6	E	4	c	44	75	8	5	-	-	9	9	1500	0	3
1003.9	-4	ENE	2	c	45	95	7	5	2	-	9	10	1500	1	*
9964	-4	ENE	5	c/pr	51	85	8	5	7	-	7-8	9	1500	1	3
1000.0	-8	NE	5	ir	48	95	6	6	-	-	10	10	1500	1	5

PAST 24 HOURS

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 2nd Hrs. (36)
1	London (Kew)...	54	48	46	2	5	0.0
	Croydon ...	51	47	46	2	2	0.0
	S. Farnborough	52	46	45	2	14	0.0
	Winchester ...	53	46	44	-	6	0.1
	Boscombe Down	52	46	44	-	1	1.6
	Calshot,(S'thmtn)					1	
	Dungeness ...	56	49	47	-	1	0.9
	Lympne ...	54	48	*	Tr.	2	*
		52	48	47	0.1		0.2
2	Shoeburyness	52	45	45	Tr.	2	0.1
	Felixstowe ...	49	45	45	0.1	1	0.0
	Gorleston ...	49	45	44	-	0.1	0.0
	Cranwell ...	47	42	41	-	0.2	0.1
3	Birmingham ...	47	41	41	0.5	0.4	0.0
	Upper Heyford	50	42	42	0.3	5	*
4	Ross-on-Wye ...	50	44	43	2	0.5	0.0
5	Portland Bill...	53	50	*	2	3	0.3
	Plymouth ...	53	50	49	11	0.3	*
	The Lizard ...	57	49	*	20	0.1	3.2
	Scilly(St.Mary's)	58	50	*	20	Tr.	5.6
	Guernsey ...	63	51	49	10	1	
6	Pembroke ...	53	48	*	3	1	0.0
7	Holyhead ...	50	44	42	2	7	0.1
	Chester (Sealand)	55	43	40	Tr.	0.4	2.2
8	L'pool (Bidston)	52	42	41	-	Tr.	2.3
9	Harrogate ...	47	40	39	-	-	0.3
10	Spurn Head ...	48	43	*	-	-	0.7
	Catterick ...	49	41	41	-	-	0.6
	Tynemouth ...	46	43	-	-	-	*
11	Inchkeith ...	49	42	40	-	-	1.9
	Leuchars ...	49	42	40	-	-	8.5
12	Renfrew(Abbotts I)	51	42	40	-	-	12.7
	Eskdalemuir ...	50	38	36	-	-	4.3
18A	Tiree	52	40	34	-	-	12.8
18B	Stornoway ...	50	42	*	-	-	10.5
15	Dalwhinnie ...	53	32	22	-	-	13.4
	Aberdeen ...	47	41	40	-	-	13.6
	Wick	48	44	*	-	-	*
16	Lerwick ...	51	40	*	-	0.6	5.5
17	Blacksod Point	52	45	*	-	2	*
18	Malin Head ...	50	43	*	-	0.4	8.6
	Aldergrove ...	52	41	38	-	-	4.6
	Donaghadee ...	51	43	*	-	-	*
19	Birr Castle ...	48	43	41	3	3	1.2
20	Valentia Obsy.†	51	50	47	7	1	0.0
	Roches Point...	50	47	*	15	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.						Yesterday.			To-day.		
Kew	18	cm,c	or,cr,or	or,cr,ch	54	48	46	2	5	0.0	*	*	5
Croydon	217	o3c	or,c,c,c	or,c,r,m	51	47	46	2	2	0.0	*	*	4
Greenwich (Royal Observatory) ...	149	oc	cr,or	cr,c,r,m	51	47	45	0.5	1	0.0	85	91	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	54	48	46	3		0.0	78	86	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	54	47	46	3		0.0	85	89	*
Camden Square	110	c	crc	*	54	47	46	1	2	*	*	90	*
Kensington	80	cor	co	*	53	47	45	1	4	0.0	At 18h. 89	97	*
Hampstead Observatory	450	or	o	or	51	44	38	0.6	2	0.0	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 3rd

South Kensington. Max.	Time.	Min.	Time.
96	19-21h 2nd	Nil.	0-7h 3rd.

Kew Observatory. Max.	Time.	Min.	Time.
0.3	19h 2nd	0.1	2h 3rd

FOREIGN OBSERVATIONS.

18h. G.M.T. 2nd May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1003.8	ENE	1	bc	68
Brussels	1006.3	ENE	4	r/c	63
Berlin	1013.7	NE	1	bc	59
Zürich	1006.0	WSW	2	bc	52
Rome	1020.2	ENE	2	o	70

7h. G.M.T. 3rd May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1005.8	SSW	2	3c	59
1005.9	WSW	2	2c	56
1015.1	E'S	2	bc	54
1007.8	SW	1	3c	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
73	55	3	11
68	52	Tr.	Tr.
64	43	-	-
	50	-	0.3
82		-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at	
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ ,,
6 Moderate ,,	3½ ,,
7 Good ,,	12¼ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

‡1 hr. observations are from Valentia W/T station

† Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 4th May 1933.

No. 26096

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 3rd May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1007.0	+12	SE	2	ir.	58	85	6	5	-	-	10	10	1500
	Croydon	1006.5	+6	E	2	ir.	57	85	5	5	2	-	7-8	10	2500
	S. Farnborough	1006.5	+12	E	2	c/pr	59	85	4	5	3	-	2-3	9+	2500
	Winchester	1006.5	+14	S'W	3	c	58	85	8	5	2	-	9	10	1500
	Boscombe Down	1005.9	+10	S'W	3	c	59	75	6	8	-	-	9+	9+	800
	Calshot, S'thmtn	1006.1	+10	SSW	5	c	62	75	8	5	7	1	4-6	7-8	2500
	Dungeness	*	*	SW	2	c	*	*	6	5	7	*	4-6	7-8	1500
	Lympne	1007.2	+14	SW'W	2	c	63	75	6	7	3	1	2-3	7-8	4000
2	Shoeburyness	1006.8	+8	NNE	1	c	56	85	85	5	2	-	7-8	10	1500
	Felixstowe	1007.2	+10	NE	2	ir.	52	95	6	5	-	-	10	10	2500
	Gorleston	1006.8	0	E'N	3	c	52	95	6	5	-	-	10	10	2500
	Cranwell	1008.2	0	NE'N	2	c	53	85	6	5	-	-	10	10	800
3	Birmingham	1007.1	0	ENE	3	m	48	95	4	6	-	-	10	10	800
	Upper Heyford	1007.3	+12	ENE	2	ir.	52	95	6	5	-	-	10	10	800
4	Ross-on-Wye	1007.2	+8	E'N	3	id.	50	85	5	5	-	-	10	10	1500
5	Portland Bill	1005.8	+20	SSW	4	c	54	95	7	4	-	-	10	10	1500
	Plymouth	1005.3	+22	S'E	3	dd.	52	95	6	5	2	-	9	10	450
	The Lizard	1004.7	+20	SSW	4	c	56	85	7	5	6	-	4-6	7-8	4000
	Scilly (St. Mary's)	1003.0	+20	SW'S	5	c	57	85	7	8	-	-	7-8	7-8	4000
	Guernsey	1007.7	+30	WSW	4	c	59	75	7	8	-	-	7-8	7-8	2500
6	Pembroke	1004.2	+8	SE	4	q	52	85	6	8	-	-	9	9	1500
7	Holyhead	1006.0	+10	E'N	5	ir.	50	85	5	-	7	-	0	9+	-
	Chester (Sealand)	1007.9	0	E'N	2	ir.	49	85	6	5	-	-	10	10	1600
8	L'pool (Bidston)	1007.6	0	ESE	4	r.	48	85	4	5	2	-	9	10	800
9	Harrogate	1010.6	-6	ENE	3	c	47	85	7	-	2	-	0	10	-
10	Spurn Head	1008.7	-4	E'N	4	r	51	85	6	3	7	-	4-6	9+	1500
	Catterick	1011.8	0	NNE	3	c	45	85	6	6	-	-	10	10	1500
	Tynemouth	1012.9	-4	E	3	0	45	75	8	4	-	-	10	10	4000
11	Inchkeith 1014.3 ~~1014.6~~	0	E	4	c	45	85	8	5	-	-	10	10	2500
12	Leuchars	1015.4	-2	ENE	4	c	47	75	7	6	2	-	7-8	10	1500
	Renfrew (Abbotts I.)	1012.3	-2	ENE	6	q	48	65	7	5	7	-	7-8	9+	2500
	Eskdalemuir	1011.6	-4	NE	5	c	45	75	8	5	3	-	4-6	9+	2500
13A	Tiree	1010.0	-14	E'N	5	c	51	85	9	5	3	-	9	9+	4000
13B	Stornoway	1012.3	-10	E	7	c	49	65	8	4	7	-	4-6	9	2500
15	Dalwhinnie	1014.2	-8	NE	2	c	48	55	8	4	2	-	4-6	7-8	2500
	Aberdeen	1016.5	0	ENE	3	c	46	65	8	5	-	-	9+	9+	1500
	Wick	1017.3	0	ESE	3	c	47	95	8	8	1	8	7-8	9	2500
16	Lerwick	1019.7	-8	ENE	4	c	44	65	8	5	1	-	4-6	7-8	2500
17	Blacksod Point	1003.1	-10	ESE	6	q	49	75	8	3	-	-	9	9	450
18	Malin Head	1007.4	-16	E	6	r	47	95	7	8	7	-	9	10	1600
	Aldergrove	1007.0	-2	E'N	5	c	48	75	7	5	7	8	7-8	10	1500
	Donaghadee	1008.8	+4	E	4	c/pr	47	75	8	9	-	-	9	9	1500
19	Birr Castle	1001.9	-4	E	3	ir.	50	85	7	6	-	-	10	10	2500
20	Valentia Obsy.	996.9	+6	SE'S	5	id.	56	85	6	5	-	-	10	10	800
	Roches Point	1000.3	+6	SE	3	ir.	52	95	6	6	-	-	10	10	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 3rd May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-8 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1008.8	+12	SW	4	bc	61	75	8	7	-	8	2-3	4-6	2500	1	*
	Croydon	1008.7	+12	WSW	4	c	59	75	7	8	5	1	7-8	9	2500	1	*
	S. Farnborough	1008.5	+10	SW'W	4	bc	57	85	7	5	8	-	4-6	~~9+~~	1500	1	*
	Winchester	1008.9	+10	SW'S	3	c	54	95	7	9	-	-	9+	9+	1500	1	*
	Boscombe Down	1008.7	+18	SW	3	c	54	85	7	5	-	-	7-8	7-8	800	1	*
	Calshot, S'thmtn	1009.2	+6	SW'S	4	b	55	85	6	5	-	-	1	1	2500	0	2
	Dungeness	*	*	SW	3	bc	*	*	6	2	7	*	2-3	4-6	1500	*	2
	Lympne	1009.9	+18	SW	4	bc	58	75	8	1	-	2	1	4-6	4000	0	*
2	Shoeburyness	1008.3	+10	S	1	c	56	95	6	5	9	8	2-3	7-8	2500	1	*
	Felixstowe	1008.3	+10	SSE	2	3.	53	95	5	5	-	-	7-8	7-8	2500	1	1
	Gorleston	1007.5	+4	-	0	bc	54	75	6	-	7	-	0	4-6	-	1	2
	Cranwell	1008.6	+4	NE	2	ir.	52	95	6	5	-	-	10	10	800	1	*
3	Birmingham	1008.9	+4	E	2	m	50	95	4	6	-	-	10	10	800	1	*
	Upper Heyford	1008.4	+8	ENE	2	u	55	85	5	5	-	-	10	10	800	1	*
4	Ross-on-Wye	1007.8	+8	E	1	o/pr	52	95	4	5	-	-	10	10	800	1	*
5	Portland Bill	1009.1	+16	WSW	4	bc	53	85	7	4	-	-	2-3	2-3	2500	0	3
	Plymouth	1008.5	+16	S	4	bc	54	85	7	2	-	4	1	2-3	2500	1	3
	The Lizard	1007.5	+16	SE'S	4	c	54	95	7	8	8	-	4-6	7-8	2500	1	3
	Scilly (St. Mary's)	1004.9	+4	S'E	5	c	53	95	6	5	-	-	7-8	7-8	2500	1	3
	Guernsey	1010.3	+12	-	0	bc	57	75	7	8	-	-	4-6	4-6	2500	0	2
6	Pembroke	1005.5	+8	S	2	c	61	95	6	5	7	-	2-3	7-8	4000	1	2
7	Holyhead	1007.3	+6	E'N	3	c	51	95	6	5	-	1	9+	9+	4000	1	*
	Chester (Sealand)	1008.9	+10	SE'S	2	rr	49	95	4	6	-	-	10	10	800	1	*
8	L'pool (Bidston)	1009.0	+8	SSE	2	rf	49	95	3	5	-	-	10	10	800	1	*
9	Harrogate	1010.8	-6	ENE	1	rf	46	95	3	6	2	-	9+	10	K150	1	*
10	Spurn Head	1008.7	0	ENE	3	c	50	85	6	5	2	-	2-3	10	1500	0	2
	Catterick	1010.9	-6	N	3	ir.	45	95	6	6	-	-	10	10	1500	1	*
	Tynemouth	1012.2	-4	ENE	3	o	45	85	7	6	-	-	10	10	1500	1	2
11	Inchkeith	1014.0	-2	E	4	ir.	44	85	8	5	-	-	10	10	2500	0	3
12	Leuchars	1014.9	-2	NE	4	c	45	75	8	7	7	-	7-8	9+	2500	0	*
	Renfrew (Abbotts I.)	1012.0	-2	ENE	5	r.	44	85	6	6	2	-	7-8	10	1600	1	*
	Eskdalemuir	1011.6	-10	NNE	4	c	41	85	7	5	3	-	7-8	10	800	1	*
13A	Tiree	1009.6	-2	ESE	4	ir.	50	65	8	5	5	8	7-8	10	2500	0	3
13B	Stornoway	1011.1	-4	ESE	6	c	48	65	8	8	7	-	4-6	7-8	2500	1	3
15	Dalwhinnie	1013.6	0	W	3	c	45	65	8	8	4	2	4-6	9	2500	0	*
	Aberdeen	1015.9	-2	E	3	id.	45	85	8	5	-	-	10	10	2500	0	1
	Wick	1016.7	-4	E	4	c	45	55	8	9	1	-	7-8	9+	1500	0	3
16	Lerwick	1019.3	-2	ENE	3	bc	42	65	8	5	8	4	2-3	4-6	1500	0	*
17	Blacksod Point	1002.0	0	ESE	6	c	51	85	6	-	2	-	0	10	-	0	4
18	Malin Head	1007.3	0	E	5	c	47	95	7	8	2	-	9	10	1500	0	3
	Aldergrove	1007.6	0	E'N	5	c/r	46	85	7	5	-	-	10	10	800	1	*
	Donaghadee	1008.5	-2	E	4	c	46	85	8	9	-	-	7-8	7-8	1500	0	3
19	Birr Castle	1002.4	+4	SSE	2	c	55	85	7	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	999.3	+14	SE'S	4	bc	56	75	8	8	-	-	4-6	4-6	1500	1	3
	Roches Point	1002.6	+20	SE	3	bc	53	95	8	3	-	-	2-3	2-3	2500	0	4

District	Stations. (For heights see p. 4.)	PAST 24 HOURS. Weather. 7h.–13h. 3rd (37)	13h.–18h. 3rd (38)	18h. 3rd to 1h. 4th (39)	1h.–7h. 4th (40)
1	London (Kew)	otl m.	cm. bc	bcb	bcm. ow
	Croydon	om r. c3.	cr. bcc	bcm.	bcm.
	S. Farnborough	om pr	cmr bcc	bcbc	bcm. w
	Winchester	om. cr c	c	bcc	c
	Boscombe Down	om. cm.	cm. c	bcb	bbccw
	Calshot, S'thmtn	cm.	c	bw	bwbc
	Dungeness	bc	bc	*	bc
	Lympne	tlc prm.	c bc	bcbm. w	bm. cbcm.
2	Shoeburyness	crr cm.	cm. bcm.	cbcm.	bc
	Felixstowe	cm. r.	cr. m bc	cm. bc	cm.
	Gorleston	bcc pr	epr c	bccm. m.	bbcm
	Cranwell	or. c	cr. c	cpr.	cod. f
3	Birmingham	oir.	oir	oir. m	omfc
	Upper Heyford	oir.	cr. m u	cir. c	cFc
4	Ross-on-Wye	opam.	d. om p	Dmcbmcm	cm.
5	Portland Bill	cid o	cbc	bcc	c
	Plymouth	cmd dd	cdm b	bcc	cr. r.
	The Lizard	cmpd.	c	cpr. c	cpro
	Scilly (St. Mary's)	cid.	cbcc	cir. p	pr. r.
	Guernsey	bcbc	cbc	bcbbc	bcebc
6	Pembroke	cq ir. m cq	cid. cm	bcc ir. irc	cir. m. c
7	Holyhead	ir. m q	r. c m.	ir. c m. c	in. c
	Chester (Sealand)	ord m ir.	oir. R r m	r. o m	oirm
8	L'pool (Bidston)	oir m o	r. o m r	rr fom	mrofe
9	Harrogate	c	c fr r	forr	fmorr
10	Spurn Head	cr.	pr c	pro	of
	Catterick	c	c 3. pr.	om. r R	mom.
	Tynemouth	co	o p. o	oic	orro
11	Inchkeith	c	cir	cir o o	omir c
12	Leuchars	oc	c	cr. c	cir. o
	Renfrew (Abbotts I.)	cq	cq, r.	or. r.	or. r. o
	Eskdalemuir	c	crrc	cir	cirom.
13A	Tiree	c	c	cir rr	irc
13B	Stornoway	bcc	c	C	cpr.
15	Dalwhinnie	bc	bc	*	irc
	Aberdeen	c	cd.	cid.	c
	Wick	c	cpr c	C	c
16	Lerwick	c	cbc	bcc	c
17	Blacksod Point	pr cq	oq	pr. cq	bcq
18	Malin Head	pr. c	cpr	C	c
	Aldergrove	c	crr c	c	cr. d. m.
	Donaghadee	cpr	c	c	coir.
19	Birr Castle	coir	r. c	c	cpre
20	Valentia Obsy.	c cid.	cid. pr bc	bcc RRepr	cpre
	Roches Point	orr ir.	ir. bc	bcc irc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄ gale

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4 5 or 6; similarly for other grouped entries.
"t_r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

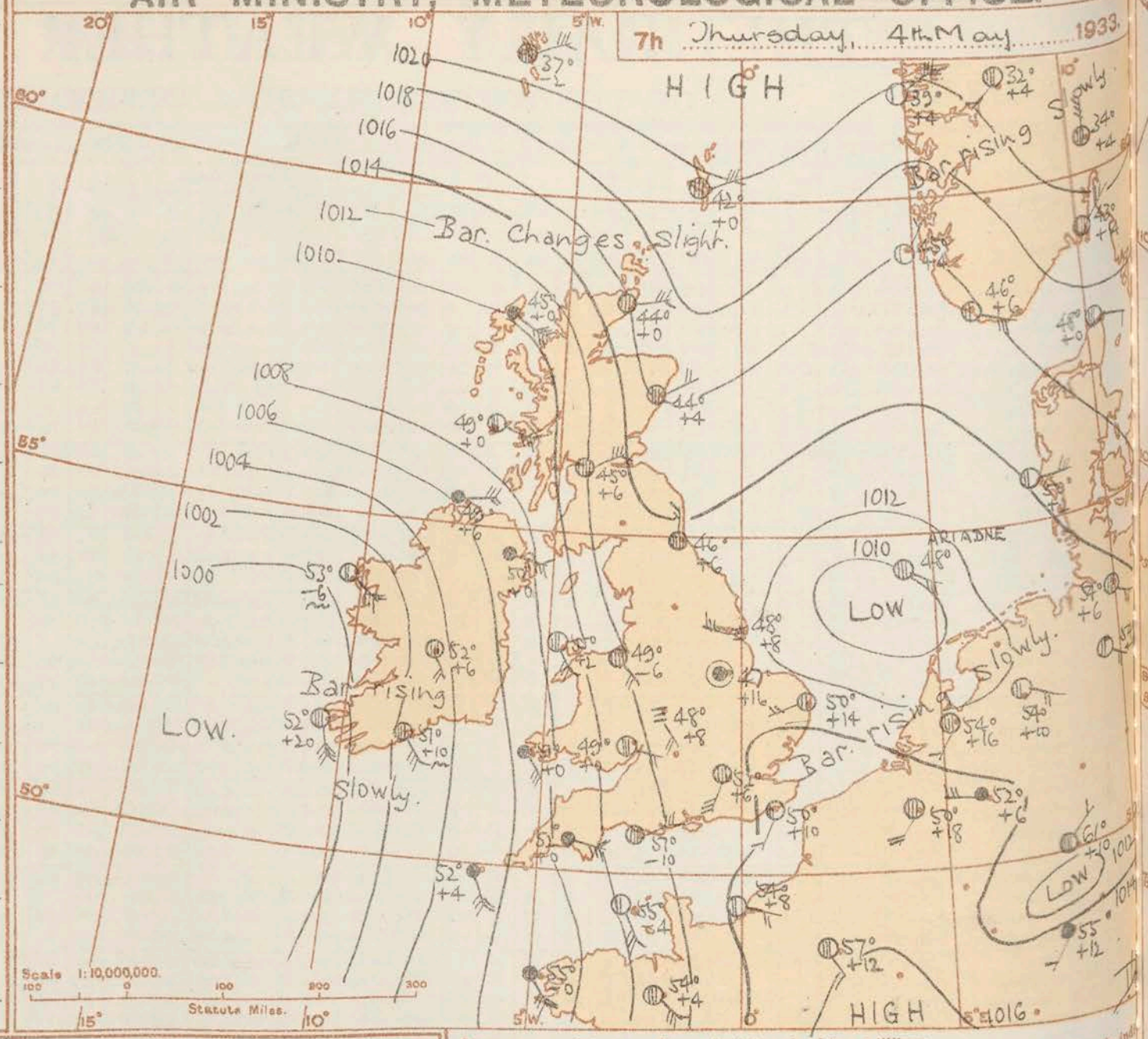
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for Wednesday 3rd May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 2nd to 9h. 3rd	Temperature. Max. 9h.—17h. 3rd	Rainfall. Night. 17h. 2nd to 9h. 3rd	Rainfall. Day. 9h.—17h. 3rd	Sunshine. Sunrise to 17h. 3rd	Sunshine. Sunrise to Sunset. 2nd
1	Tunbridge W.	bcco	obc	47	65	1	-	4·1	0·0
	Bournemouth	c	c	48	60	1	-	1·6	2·4
	Ventnor ...	tlrhc	obc3	50	59	6	-	3·4	1·5
	Southsea ...	oc	bcco	49	62	7	-	2·5	1·9
	Bognor Regis	bcc	bcbcb	50	59	10	-	3·6	2·4
	Littlehampton	bc	bcc	49	61	11	-	4·7	1·9
	Worthing ...	bccr	cbc	50	60	1	1	4·7	2·0
	Brighton ...	bbcpc	bbc	50	62	1	Trace	4·4	2·5
	Easthourne†	bcc	cbcc	50	62	-	-	6·0	0·9
	Hastings† ...	cbc	bccbc	50	61	0·2	-	4·2	0·5
	Folkestone ...	otlrr	bc	50	63	17	-	4·1	0·0
	Dover... ...	mcbc	bc	49	63	2	-	3·4	0·0
	Deal	oc	cb	49	66	7	-	2·7	0·1
	Ramsgate ...	obcm	bcm	48	59	6	-	2·4	0·1
	Margate ...	c	bc	48	58	10	-	2·3	0·0
2	Southend ...	omro	ocrcm	48	58	6	0·3	0·7	0·0
	Maldon ...	orr	ocb	48	61	1	1	0·3	0·0
	Clacton-on-Sea	ctorc	cbc	47	55	-	3	1·0	0·0
	Dovercourt ...	roc	rbc	46	58	1	0·4	2·4	0·1
	Lowestoft ...	ocbc	cdbc	45	55	-	Trace	2·3	0·2
	Skegness ...	bcom	com,r	45	52	Trace	0·2	1·1	0·0
	Mablethorpe	c	or,	44	51	-	Trace	2·3	0·2
	Cleethorpes...	oc	cor,	44	52	-	Trace	0·7	0·1
3	Leamington S.	orr	prp	44	53	2	2	0·0	0·1
4	Cheltenham†	omo	irco	44	56	4	0·5	0·0	0·1
5	Bath	cir,	cbcir	47	60	2	Trace	0·7	0·0
	Weymouth ...	cbc	idcb	49	60	2	0·1	1·6	0·2
	Jersey ...	rcbc	bc	53	62	5	-	6·0	6·8
	Torquay ...	bcm,	odpbq	50	59	1	0·2	1·9	0·0
	Penzance ...	cobc	cbc	49	58	1	-	5·6	0·0
	St. Ives ...	c	b	50	60	0·5	-	5·5	0·0
	Bude	cip,	cbc	50	60	-	0·3	2·1	1·0
	Ilfracombe ...	bc	cbc	48	60	2	0·6	3·7	0·0
6	Aberystwyth	circ	cpc	46	58	1	1	1·8	0·1
7	Llandudno ...	o	orrc	43	51	2	1	0·1	0·0
	Colwyn Bay...	o	porr,	43	51	-	2	0·0	0·0
	Rhyl								
8	Wallasey ...	oir	ir	43	52	0·5	1	0·0	2·4
	Southport‖ ...	od,	ror	43	51	-	0·5	0·1	2·8
	Blackpool ...	co	oro	43	49	-	1	0·0	4·7
	Morecambe ...	cdic	orro	42	49	0·3	12	0·0	4·5
9	Ilkley... ...	c	cor	40	49	-	3	0·0	0·2
10	Berwick-on-T.	opr,	o	41	46	-	Trace	0·0	6·0
11	Dunbar ...	c	c	41	46	-	-	0·0	7·5
12	Troon... ...	bcbc	cor	41	51	-	1	2·6	11·8
	Douglas ...	cqcbq	com,RR	42	50	1	4	0·2	5·2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate variable to south or southeast wind; fair at first, perhaps occasional rain later; rather warm.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Moderate or fresh south or southeast wind; cloudy, occasional rain; rather mild.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light easterly or variable wind; cloudy or dull, local rain; rather low to moderate temperature.
13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate easterly wind, fresh locally; cloudy, occasional rain locally; rather cool.
17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh east or southeast wind; cloudy, local rain; rather mild.
19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ Temperature is given in degrees F.
Weather Symbols :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. K Thunderstorm.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression off Southwest Ireland is almost stationary and a shallow depression over the North Sea is filling up. Weather will continue unsettled but will be fair at first in the Southeast.

FURTHER OUTLOOK.

Unsettled, perhaps local thunder in the South.

Forecasts issued at 1020 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY
4th MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 × 10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 4th May 1933.

No. 26096

OBSERVATIONS at 1 hr. G.M.T. 4th May

Diagr.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012.6	+12	SW's	3	bc	48	85	6	-	-	8	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10132	+10	WSW	2	3o	45	95	6	-	-	1	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1011.0	+12	SW	1	b	49	95	6	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1011.1	+2	S	2	c	51	95	7	4	4	-	7-8	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1007.2	0	SSE	5	c	53	85	7	8	2	-	10	10	2500
	Scilly (St. Mary's)	163	10043	0	S	6	pr	52	95	6	6	-	-	9+	9+	2500
	Guernsey ...	175	1011.4	-4	S'E	2	bc	53	85	7	8	-	-	2-3	2-3	2500
6	Pembroke ...	142	10083	+6	SSE	3	ir	51	95	6	3	-	-	10	10	1500
7	Holyhead ...	26	10094	+6	SE's	3	c	50	95	6	-	-	7	0	10	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10092	+4	N	3	c	47	95	6	5	2	-	4-6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	10127	+4	N	2	o/r	46	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	10137	0	ENE	4	ir.	44	95	7	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1011.3	0	E	5	c	46	85	7	8	6	-	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	10169	0	E	4	c	42	95	8	8	1	-	7-8	10	1500
16	Lerwick ...	54	1013.1	0	NE	4	c	51 41	65	8	5	7	-	4-6	7-8	1500
17	Blacksod Point	18	1001.1	-4	SE	5	q	52	85	7	8	-	-	7-8	7-8	220
18	Malin Head ...	52	1007.5	+6	E	5	c	47	95	7	5	2	9	9	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	997.1	-14	S	4	iR	52	95	6	3	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 4th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1013.5	+6	E'N	1	c	51	85	5	5	-	6	1	7-8	2500	1	*
1012.5	+6	S'W	3	3o	52	85	6	5	7	8	2-3	7-8	5700	1	*
1013.4	+6	SSE	3	bc	51	85	6	5	-	2	2-3	4-6	7200	1	*
1012.8	+6	E'S	1	c	50	95	7	-	5	6	0	9+	-	1	*
1012.4	+6	ESE	3	c	51	95	7	-	9	8	0	9	-	1	*
1012.5	+8	ENE	4	bc	53	85	6	5	3	6	1	2-3	2500	0	2
*	*	-	0	bc	*	*	*	-	1	*	0	4-6	-	*	0
1014.7	+10	SSW	1	3o	50	95	6	-	-	6	0	4-6	-	0	*
1014.5	+18	WSW	1	bc	54	85	7	-	2	8	0	4-6	-	1	*
1014.6	+16	W	2	3o	50	95	6	5	-	-	10	10	450	1	1
1012.5	+14	W'S	2	m	50	95	4	-	1	-	0	4-6	-	0	2
1013.6	+16	-	0	df	47	95	3	5	-	-	10	10	220	1	*
1013.0	+8	SE	2	df	48	95	3	5	-	-	9	9	4000	1	*
1013.2	+10	SSE	1	3o	48	95	6	-	3	-	0	9+	-	1	*
1011.6	0	E'S	2	c	49	95	6	-	7	-	0	9	-	1	*
1010.6	-4	E	4	c	51	95	7	4	4	-	7-8	10	2500	0	3
1008.4	0	ESE	5	r.r.	52	85	8	5	2	-	4-6	9+	1500	1	3
1007.4	+6	SSE	4	rr	51	95	7	5	-	-	10	10	2500	1	3
1005.1	+4	SSE	5	r.r.	52	95	5	6	-	-	10	10	1500	1	4
1010.6	-4	SSE	4	bc	55	75	8	8	-	-	4-6	4-6	4000	0	3
1006.3	0	SE	3	ir.	51	95	6	5	-	-	10	10	1500	1	3
1009.3	+2	SE'S	4	c	55	75	8	5	-	-	9+	9+	2500	1	2
1011.8	+6	SE	2	m	49	95	4	5	-	-	10	10	450	1	*
1011.7	+4	ESE	3	of	48	95	2	5	-	-	10	10	450	2	*
1013.6	+6	-	0	m	46	95	4	5	-	-	10	10	<150	1	*
1012.5	+8	NW'W	3	of	48	95	3	5	-	-	10	10	800	0	2
1013.5	+12	NNW	1	o	46	95	5	5	-	-	10	10	220	1	*
1013.1	+6	N	2	o	46	95	6	6	-	-	10	10	1500	1	2
1013.9	0	ENE	5	c	44	95	7	6	2	-	7-8	10	1500	1	4
1015.3	+2	NE	3	o	44	95	7	6	-	-	10	10	800	1	*
1012.9	+6	ENE	4	o/r	45	95	5	5	-	-	10	10	800	1	*
1013.5	+8	NNE	3	o	43	95	6	5	-	-	10	10	220	1	*
1009.1	0	ESE	5	c	49	85	8	5	1	-	7-8	10	2500	0	3
1010.7	0	ESE	6	pr.	45	85	7	4	7	-	4-6	10	1500	1	3
1013.9	+2	SW	3	c	42	85	7	3	2	-	4-6	9	800	1	*
1016.1	+4	E'N	2	c	44	85	7	5	-	-	9+	9+	1500	0	1
1016.9	0	E	4	c	44	85	8	5	1	-	7-8	10	1500	0	3
1019.2	0	E	4	c	42	65	8	5	7	-	7-8	9	1500	0	*
1000.3	-6	SE	5	q	53	85	8	3	4	9	Tr.	4-6	450	0	4
1006.0	+6	E	5	pr	49	95	6	4	1	-	Tr.	9+	800	0	2
1007.9	0	E'S	4	d.r.	50	95	6	6	-	-	10	10	800	1	*
1008.9	0	S E	4	ir.	48	95	6	6	-	-	10	10	800	1	2
1002.5	+6	SSE	2	c	52	85	8	8	-	-	7-8	7-8	2500	1	*
999.2	+20	SSE	6	c	52	85	8	5	-	-	9	9	1500	1	2
1002.7	+10	SE	4	c	51	95	7	3	-	-	9	9	1500	1	5

PAST 24 HOURS

Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 3rd. Hrs. (36)
64	44	35	4	Tr.	3.6
64	46	43	Tr.	Tr.	3.0
64	43	31	1	-	3.3
61	42	36	0.3	-	1.1
62	43	38	-	-	2.1
62	47	38	-	-	1.7
59	52	*	-	-	*
63	43	35	Tr.	-	6.4
61	38	30	8	-	1.0
55	46	40	0.6	-	2.5
55	43	42	Tr.	-	2.7
53	45	45	1	0.2	0.0
50	46	43	2	1	0.0
56	44	36	2	0.1	*
53	42	37	1	0.3	0.0
56	50	*	Tr.	-	3.6
55	52	49	Tr.	0.2	*
56	51	*	Tr.	2	5.7
58	51	*	Tr.	3	9.7
61	52	48	-	-	
53	50	*	1	1	1.4
53	49	45	0.3	0.2	0.1
52	48	45	4	0.4	0.0
51	47	45	1	2	0.0
47	45	44	2	6	0.0
54	45	*	Tr.	1	1.8
46	45	44	0.1	11	0.0
46	45	42	Tr.	4	*
48	43	41	Tr.	3	0.5
49	43	42	-	0.1	0.0
49	43	41	1	6	0.5
49	40	40	0.6	1	1.3
52	46	44	Tr.	2	5.3
50	45	*	-	Tr.	2.2
50	39	36	Tr.	1	0.1
46	42	41	Tr.	Tr.	
48	42	*	Tr.	-	3.6
44	40	*	-	-	*
53	50	*	Tr.	1	0.0
47	45	*	1	Tr.	0.4
49	45	44	0.2	0.1	*
47	45	*	1	1	
55	50	44	2	3	0.7
59	51	48	1	16	3.6
54	50	*	5	3	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	otlm.	cm.bc	bcbbcm.	64	44	35	4	Tr.	3.9	*	*	7
CROYDON	217	omr.r.c3	cr.bcc	bcm.[illegible]	63	46	43	Tr.	Tr.	3.0	*	*	7-6
GREENWICH (Royal Observatory) ...	149	cp.m.	cm.	cbc[illegible]	66	44	32	Tr.	Tr.	1.9	82	64	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.4	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	63	45	38	0.4		1.8	77	60	*
REGENTS PK. (Botanic Gardens) ...	168	*	*	*	63	46	40	-		1.7	80	59	*
CAMDEN SQUARE	110	crc	c	*	64	47	41	0.5	-	*	*	65	*
KENSINGTON	80	bcrc	o bc	*	64	44	37	0.2	-	2.9	At 18h. 59		*
HAMPSTEAD OBSERVATORY	450	or	bc	*	63	43	33	1	-	1.7	73	64	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 4th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1.0	9-11h. 3rd.	Nil	0-6h. 4th.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0.4	11h. 3rd.	<0.1	4h. 4th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 3rd May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 4th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1011.1	WNW	4	c	63	1013.8	SE	1	3o	57
BRUSSELS	1009.0	WNW	3	c	61	1015.2	SW	2	c	50
BERLIN	1012.7	ESE	2	b	63	1014.6	ENE	2	b	52
ZÜRICH	1012.2	WNW	3	ir.	55	1016.3	WNW	1	c	52
ROME	1013.5	W	2	c	64	1014.9	-	0	bc	63

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	46	-	-
72	46	-	-
66	45	-	-
63	55	8	0.2
73	55	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

‖ 1 hr. observations are from Valentia W/T station † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 5th. May 1933.

No. 2697.

OBSERVATIONS at 13h. G.M.T. 4th. May

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)	Sunshine 3rd Hrs. (36)
1	London (Kew)	1013.5	-4	SSE	4	c	68	45	8	7	-	2	4-6	7-8	4000	3·9
	Croydon	1013.5	-6	SE'S	3	c	67	45	8	1	-	2	2-3	7-8	4000	3·0
	S. Farnborough	1013.1	-2	SE'S	4	c	67	45	9	7	-	8	Tr.	7-8	5700	3·3
	Winchester	1012·1	-8	SE	4	c	65	45	8	-	7	6	0	9	-	1·1
	Boscombe Down	1010·9	-10	SE'E	6	c	65	45	8	-	7	8	0	9+	-	2·1
	Calshot, S'thmtn	1012·5	-10	E'S	5	c	58	75	7	5	7	8	2·3	7-8	4000	1·1
	Dungeness	*	*	SE	1	bc	*	*	6	1	7	3	2·3	4-6	2500	*
	Lympne	1015·1	-4	S'E	2	c	61	65	8	1	-	6	Tr.	7-8	4000	6·4
2	Shoeburyness	1014.6	-4	ESE	2	c	64	65	8	1	7	8	2·3	7-8	4000	1·0
	Felixstowe	1015.1	0	SE'E	2	bc	57	85	7	1	-	4	1	4-6	4000	2·5
	Gorleston	1014.4	+4	SSE	4	c	54	85	6	8	7	-	4-6	7-8	2500	2·7
	Cranwell	1013.4	-8	SE	2	3o	64	75	6	1	-	6	1	9	4000	0·0
3	Birmingham	1011.6	-4	SE	3	c	64	55	8	6	1	-	2·3	7-8	1500	0·0
	Upper Heyford	1012.4	-6	SSE	3	c	65	55	8	2	-	7	2·3	9	4000	*
4	Ross-on-Wye	1010·2	-4	S'E	3	c	64	55	8	-	7	-	0	10	-	0·0
5	Portland Bill	1010.6	-10	SE	4	c	54	85	7	4	4	-	7-8	10	2500	*
	Plymouth	1008·6	+2	SE	4	r.	53	85	7	5	2	-	4-6	10	1500	3·6
	The Lizard	1007.6	+10	SE'S	4	c	53	95	7	8	1	-	9+	9+	2500	*
	Scilly (St. Mary's)	1004.7	0	S'W	5	c	56	95	7	8	-	9	4-6	7-8	4000	5·7
	Guernsey	1010·3	0	SSE	3	c	62	75	8	8	3	-	4-6	10	4000	9·7
6	Pembroke	1006·1	-8	SE	4	ir	51	95	6	5	7	-	7-8	9	1500	1·4
7	Holyhead	1009.2	-6	ESE	4	r.	54	85	6	6	1	-	7-8	10	4000	0·1
	Chester (Sealand)	1010·8	-8	SE	3	ir.	60	65	6	6	1	-	4-6	10	1500	0·0
8	L'pool (Bidston)	1010.7	0	SE'E	3	r.	59	75	5	5	-	-	10	10	1500	0·0
9	Harrogate	1013·3	-6	SSE	1	bc	57	75	6	-	7	-	0	4-6	-	1·8
10	Spurn Head	1013.7	+2	E	1	3o	55	85	5	5	2	8	2·3	7-8	800	0·0
	Catterick	1013.4	-2	-	0	3o	55	85	5	5	3	1	7-8	7-8	1500	*
	Tynemouth	1013.7	+4	NNE	2	c	49	85	6	5	-	-	7-8	7-8	800	0·5
11	Inchkeith	1014.4	-2	E	4	c	49	85	7	5	4	7	2·3	10	1500	0·0
12	Leuchars	1015·9	+2	ENE	3	c	47	85	7	5	2	-	9	10	800	0·5
	Renfrew (Abbotts I.)	1012·2	-6	E'N	5	3o	51	85	6	5	-	-	10	10	1500	1·3
	Eskdalemuir	1011.7	-8	ENE	4	c	58	65	8	5	3	-	4-6	7-8	2500	1·4
13A	Tiree	1009·2	0	E'S	6	ir	51	75	7	5	1	8	7-8	10	2500	5·3
13B	Stornoway	1010·2	-6	SE	4	c	51	75	7	8	6	-	4-6	9	1500	2·2
15	Dalwhinnie	1013·2	0	S	5	c	50	65	8	4	4	-	4-6	7-8	1500	0·1
	Aberdeen	1016·3	0	E	3	c	49	75	7	5	3	1	4-6	7-8	2500	*
	Wick	1017.0	-2	E	4	c	45	85	8	4	3	-	4-6	9	2500	3·6
16	Lerwick	1019.0	-4	E	4	c	45	65	8	5	3	-	4-6	7-8	1500	*
17	Blacksod Point	1001·3	+2	ENE	3	c	58	75	9	5	-	-	7-8	7-8	450	0·0
18	Malin Head	1006·0	0	ESE	4	pr	54	95	6	8	1	-	9	9+	800	0·4
	Aldergrove	1008.4	-2	ESE	4	r.	52	85	6	6	1	-	9	10	800	*
	Donaghadee	1009.7	+2	SE	3	ir.	50	85	7	6	-	-	10	10	800	0·7
19	Birr Castle	1002·8	-8	SSE	4	ir.	55	85	7	6	2	-	9	10	1500	3·6
20	Valentia Obsy.	1000.0	-4	SE'S	4	c	59	75	8	8	1	-	7-8	9+	1500	*
	Roches Point	1002·5	-6	SE	4	rr	51	95	6	6	-	-	10	10	1500	

OBSERVATIONS at 18h. G.M.T. 4th. May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1011·9	-10	SE	3	c	65	65	8	-	4	7	0	10	-	0	*
	Croydon	1012.4	-4	SE'E	3	c	65	45	8	-	3	6	0	9+	-	0	*
	S. Farnborough	1011·2	-4	SSE	2	c	65	55	7	5	3	8	4-6	9+	7200	1	*
	Winchester	1010.7	-6	SE	3	c	61	65	8	5	-	-	9+	9+	5700	1	*
	Boscombe Down	1010.4	-2	SSE	4	ir.	58	75	6	6	-	-	10	10	1500	0	*
	Calshot, S'thmtn	1010.6	-4	E'S	5	c	55	85	6	5	2	-	7-8	10	4000	0	3
	Dungeness	*	*	E'S	2	c	*	*	7	1	7	*	2-3	7-8	1500	*	1
	Lympne	1013.4	-8	ESE	3	c	58	65	8	-	7	8	0	9+	-	0	*
2	Shoeburyness	1012·8	-12	SE	2	c	58	85	8	5	1	-	7-8	9+	5700	0	*
	Felixstowe	1013.9	-10	ESE	3	c	53	85	7	-	-	7	0	9+	-	0	1
	Gorleston	1013.9	-2	SSE	3	c	52	85	6	-	1	1	0	9+	-	0	2
	Cranwell	1011·5	-8	ESE	3	3o	62	75	6	5	1	-	Tr.	10	5700	1	*
3	Birmingham	1010·1	-8	SSE	2	ir.	63	65	6	6	2	-	4-6	10	1500	1	*
	Upper Heyford	1011·2	0	SSE	3	c	63	55	8	-	5	7	0	9+	-	1	*
4	Ross-on-Wye	1010·3	+6	SSE	3	r.	56	95	6	6	-	-	10	10	2500	1	*
5	Portland Bill	1010.8	+10	SW	4	rr	53	95	7	8	-	-	10	10	1500	1	2
	Plymouth	1009.6	+2	S	3	c	53	95	8	5	2	-	Tr.	9+	1500	1	3
	The Lizard	1008·5	+4	SSE	3	bc	53	95	7	4	7	1	4-6	4-6	4000	1	3
	Scilly (St. Mary's)	1006·5	+6	S	5	bc	54	95	6	5	4	3	1	2·3	4000	1	4
	Guernsey	1011·5	-10	S'E	1	c	58	86	8	8	-	-	7-8	7-8	4000	1	2
6	Pembroke	1007.1	+8	SE	3	c	61	95	6	5	3	-	4-6	7-8	1500	1	2
7	Holyhead	1008·3	-2	SSE	3	ir.	55	85	8	6	1	-	9+	9+	4000	1	1
	Chester (Sealand)	1009.7	0	S'E	3	ir	57	85	6	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1009.7	0	SW	4	PR	56	85	6	6	-	-	10	10	1500	1	*
9	Harrogate	1012·1	-6	ESE	3	c	59	75	5	-	2	-	0	10	-	1	*
10	Spurn Head	1012·3	-4	ESE	4	c	50	95	6	5	3	-	4-6	9	1500	0	2
	Catterick	1011·9	-6	N'E	2	3o	51	85	5	-	7	-	0	10	-	1	*
	Tynemouth	1013·1	-6	E	2	0	47	95	6	5	-	-	10	10	1500	1	2
11	Inchkeith	1012·6	-10	ENE	5	ir	46	95	7	6	2	-	4-6	10	1500	0	4
12	Leuchars	1013.9	-10	ENE	3	c	46	85	7	5	7	-	7-8	9+	800	0	*
	Renfrew (Abbotts I.)	1010.7	-10	E'N	4	r.	48	95	6	6	2	-	9	10	800	1	*
	Eskdalemuir	1011·0	-6	NE	3	r.	52	95	6	6	-	-	10	10	800	1	*
13A	Tiree	1006·5	-24	E'S	5	ir	51	85	6	5	2	-	9	10	2500	1	3
13B	Stornoway	1008·5	-6	SE	4	c	50	75	7	8	6	-	4-6	9+	1500	1	2
15	Dalwhinnie	1012·0	-8	S	4	c	49	75	7	3	2	-	4-6	10	1500	0	*
	Aberdeen	1014.7	-14	E	3	c	46	85	8	5	-	-	9+	9+	4000	0	1
	Wick	1015.5	-12	E	4	c	45	95	8	5	9	8	4-6	9	2500	1	3
16	Lerwick	1017.9	+2	E	3	c	43	65	8	5	-	4	4-6	7-8	1500	0	*
17	Blacksod Point	1000·1	-12	S	2	rr	51	95	6	6	-	-	10	10	<150	1	3
18	Malin Head	1003·2	-20	SE'E	4	c/r	53	95	6	6	1	-	9	10	800	1	1
	Aldergrove	1005·3	-20	SE	5	c	55	85	7	5	7	-	7-8	9+	1500	1	*
	Donaghadee	1006·5	-6	SE	3	ir.	51	85	7	5	-	-	7-8	7-8	1500	1	2
19	Birr Castle	1001·1	-6	SSE	4	ir.	54	85	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	1000.0	+2	S'E	4	c	55	85	8	5	-	-	9+	9+	800	1	2
	Roches Point	1003.4	+12	SW	4	ir	51	95	7	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

Weather. 7h.–13h. 4th. (37)	13h.–18h. 4th. (38)	18h. 4th to 1h. 5th. (39)	1h.–7h. 5th. (40)
cbc	cy	bcy	ccr.rm.
bcc	cy	cybc3.	c3.r.r.
bc bcvy	bccy	cbcpR	r.cRR
c cy	c cy	cprc	crrm.
cbccy	cy cr.	crrc	~~effm~~ crr
cbcc	c		c
bc	bc	*	c
bc	bccvy	cbcc	cbcc
bc	bcc	c	cm.
om. bc	bc c	c	c
c3.3.	cbc3.	c3.c	cbc
ofcm.	c3.c	c	cm.
bcc	c	coRr	corr
cm.y	cy		corR
c cy	cyr.	rorc	cor.
c	crr	c	crrc
crr.	crr.	cbc	bcc
orrc	c	cbcc	cbcw
rrmc	cbc	bbcb	bbcc
bcc	coprc	cprbc	cr.bc
crrqc	cqrrmc	cpr.bcc	c
ir.	rr.kq.r	rbc	c
omcm.	cir.qr	rr.m.	cm.
fmr.o	oir.kq	rcorr	ir.
mobc	bcc	c	cofir
fc3	c3c	bc	crrc
om.c3.	bcc3.	cm.omr.	or.for.
oc	co	ofso	ocff
c	cir.	corr	orrif
cir.c	cbcc	cr.trrr	orrff
cr.cm.	cm.orr.	orrm.	oidir.m
c	co.r.	orr	orrc
c	cr.r.	cir	cir
tpr	c	cr.r.	cr.r.c
bc	bc	*	ir
cbc	bc	cbc	com
c	c	c	cr.r
c	c	c	c
cbc	rr	pr.c	pr.q
cpr	cir.	c	c
oddrr	or.r.	c	c
o ir.	cir.	c	c
cir	cir.	cpr	c
cbcc	cprc	c	cciRir
corr	orrir	oirc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

5, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
lp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_{oi} slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus. (Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

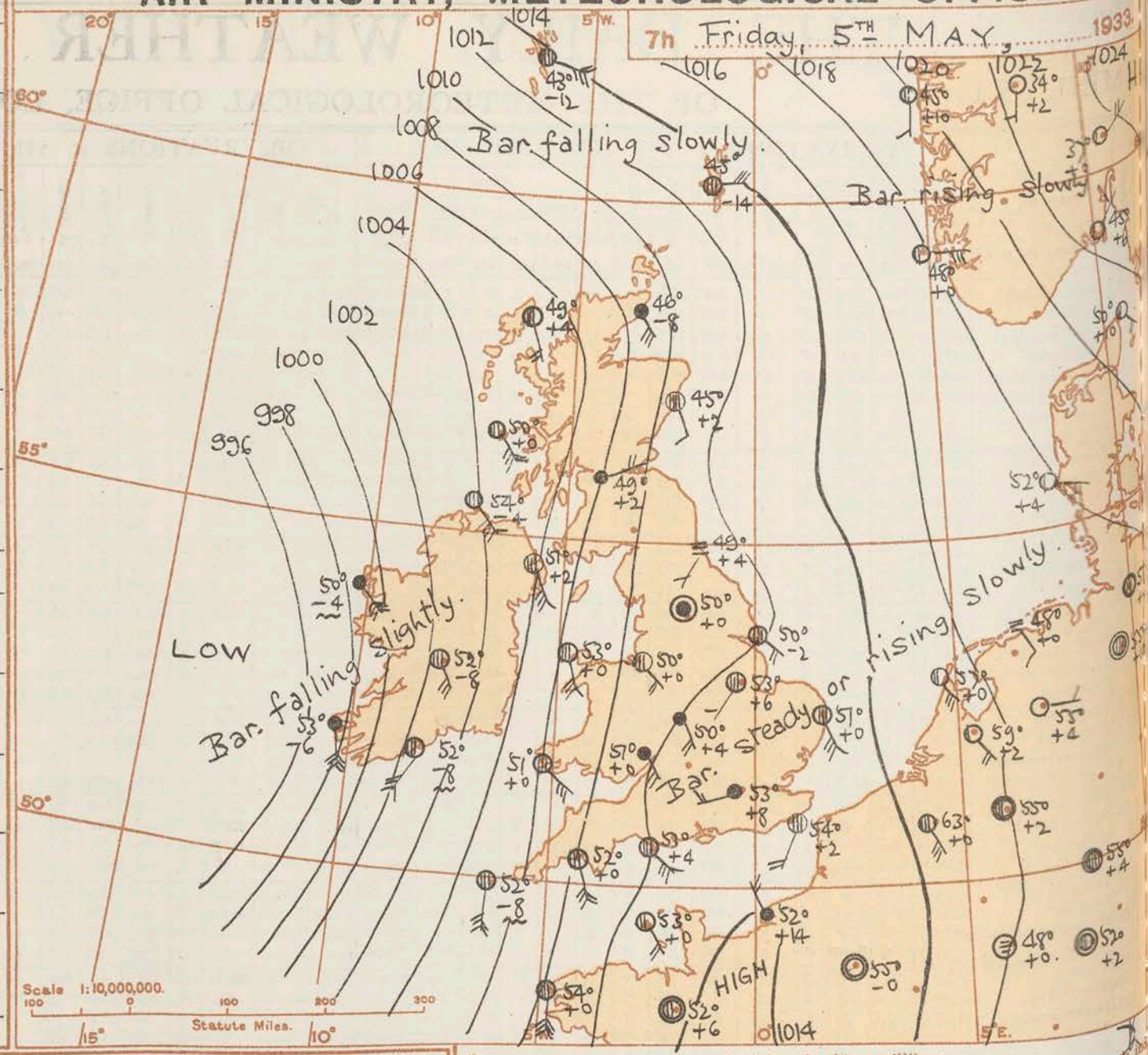
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for Thursday 4th. May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 3rd. to 9h. 4th	Temperature. Max. 9h.—17h. 4th.	Rainfall. Night. 17h. 3rd. to 9h. 4th	Rainfall. Day. 9h.—17h. 4th.	Sunshine. Sunrise to 17h. 4th.	Sunshine. Sunrise to Sunset. 3rd.
1	Tunbridge W.	bcb	bbcb	40	69	-	-	9.7	4.7
	Bournemouth	cb	bo	47	61	-	-	4.9	3.1
	Ventnor ...	bbc	bc	49	59	-	-	7.0	5.2
	Southsea ...	b	bco	46	62	-	-	6.5	4.2
	Bognor Regis	bbcb	bbcbc	46	59	-	-	8.5	4.8
	Littlehampton	bc	bc	44	60	-	-	8.4	5.7
	Worthing ...	bcb	bbc	45	59	-	-	8.2	5.8
	Brighton ...	bcb	bbc	44	65	-	-	7.3	5.2
	Eastbourne†	bcb	bbcc	45	59	-	-	8.8	7.1
	Hastings† ...	cbc	bbcc	46	64	-	-	9.2	5.0
	Folkestone ...	bc	bc	46	66	-	-	9.5	4.7
	Dover... ...	bc	bcc	48	62	-	-	10.2	4.4
	Deal	b	b	46	69	-	-	9.7	3.7
	Ramsgate ...	b	bbc	47	62	-	-	10.3	3.2
	Margate ...	bc	bc	47	69	-	-	10.5	3.5
2	Southend ...	bc	bbc	45	66	-	-	9.3	1.6
	Maldon ...	b	bbcc	43	69	-	-	8.4	0.9
	Clacton-on-Sea	bc	bcc	47	59	-	-	9.5	1.7
	Dovercourt ...	bc	bcv	46	62	-	-	8.4	2.5
	Lowestoft ...	bc	bc	46	64	-	-	7.4	3.9
	Skegness ...	obc	bcom	45	57	Trace	-	4.0	1.1
	Mablethorpe	oc	com	45	58	0.2	-	4.4	2.3
	Cleethorpes...	ocbc	bcco	46	59	1	-	5.6	0.7
3	Leamington S.	bc	bc	48	68	Trace	-	3.6	0.0
4	Cheltenham†	cm.c	co	44	67	0.5	-	1.9	0.0
5	Bath	bcc	cir.	44	67	-	Trace	4.0	1.0
	Weymouth ...	cbcc	cr	49	58	-	0.5	1.6	3.1
	Jersey ...	bc	bcrc	53	65	-	4	5.0	6.3
	Torquay ...	pbojp	orrc	51	58	Trace	3	0.1	3.0
	Penzance ...	roc	ocb	50	54	10	4	1.2	6.3
	St. Ives ...	r	rocbc	51	56	12	9	1.0	6.5
	Bude	r	roc	52	58	3	4	0.0	3.1
	Ilfracombe ...	oc	roc	50	60	-	1	0.9	4.5
6	Aberystwyth	c	cprc	47	63	-	1	0.1	1.8
7	Llandudno ...	cor	or	47	63	0.2	1	0.1	0.2
	Colwyn Bay...	co	ororo	46	63	-	0.5	0.5	0.1
	Rhyl								
8	Wallasey ...	oc	co	45	64	3	-	0.0	0.0
	Southport‖ ...	o	o	47	63	4	-	0.0	0.1
	Blackpool ...	c	odc	47	61	5	0.3	0.1	0.0
	Morecambe ...	c	cdc	46	63	7	0.3	0.4	0.0
9	Ilkley	c	c	44	61	5	-	1.3	0.0
10	Berwick-on-T.	ocbc	prbc	43	49	-	Trace	2.4	0.0
11	Dunbar ...	ro	mbc	43	48	0.3	-	1.9	0.0
12	Troon... ...	rocO	or	43	59	2	0.1	0.1	2.7
	Douglas ...	om.	oRRm.	45	53	3	5	0.0	0.2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate variable to southerly wind; dull, some rain, bright intervals later; mild.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh southerly wind; cloudy, occasional rain or showers but bright intervals; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate south or southeast wind; cloudy, occasional rain, perhaps bright intervals later; mild.
13. {A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland	Moderate or fresh southeast wind; cloudy, occasional rain; mild.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh southeast wind; cloudy or dull, occasional rain; rather cool.
17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh south or southeast wind, strong locally; cloudy, occasional rain or showers, bright intervals; mild.
19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh southerly wind, strong locally; cloudy, occasional rain or showers, bright intervals locally; mild.

H.M. Stationery Office Press, Kingsway W.C.2.
P9755/2573 Wt.47 D.6001 Gp.908 2350

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet. ≡ Fog. ≡ Mist. T Thunder. ⚡T Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression off West of Ireland is almost stationary while a shallow secondary over Southeast England and North France is moving slowly northeast and filling up. Weather will be unsettled with rain or showers in most districts.

FURTHER OUTLOOK.

Showers or occasional rain in most districts with perhaps local thunder in the South.

Forecasts issued at 0920 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 5th. May 1933.

No. 26.097

Distrct.	Stations.	OBSERVATIONS at 1 hr. G.M.T. 5th. May: Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1012.4	0	SSE	3	C	55	75	7	-	3	-	0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	348	1013.7	+2	SW	2	C	55	75	7	5	-	-	9+	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1013.7	-8	SE'E	3	C	49	95	6	-	1	-	0	7-8	-
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1012.0	+10	SE	3	C	51	95	8	4	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1009.3	0	SSE	4	C	51	95	7	8	-	-	9+	9+	4000
	Scilly (St. Mary's)	163	1007.5	-2	S	4	b	51	95	6	-	-	-	0	0	-
	Guernsey	175	1012.6	+2	SW'S	1	C	54	85	9	8	-	-	10	10	2500
6	Pembroke	142	1007.7	+2	SSE	3	C	51	95	7	5	7	-	4-6	9+	2500
7	Holyhead	26	1009.3	+4	SSE	3	C	52	85	7	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1011.9	0	S	4	C	52	85	7	5	7	-	4-6	9	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1012.9	-2	SE	1	0	47	95	6	5	-	-	10	10	1500
11	Inchkeith	190	1011.2	-2	ENE	4	rr	45	95	6	6	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1005.5	-14	ESE	4	r.r.	48	85	6	5	7	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.1	-18	SE	4	C	46	35	8	8	2	-	7-8	10	1500
16	Lerwick	54	1016.4	-4	E	2	C	42	85	7	5	-	-	7-8	7-8	1500
17	Blacksod Point	18	1000.5	+4	S	2	C	51	95	8	8	-	-	7-8	7-8	450
18	Malin Head	52	1004.0	+12	SSE	3	C	51	95	7	4	-	-	9+	9+	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1000.1	-14	S	6	C	52	95	7	9	-	-	9	9	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Distrct.	Stations.	OBSERVATIONS at 7 hr. G.M.T. 5th. May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1013.1	+14	W'S	2	rr	52	95	5	6	2	-	7-8	10	2500	1	*
	Croydon	1013.3	+8	W'S	2	r.r.	53	85	6	5	7	-	4-6	10	2500	1	*
	S. Farnborough	1013.2	+10	S'W	1	RR	52	95	6	6	2	-	7-8	10	1500	1	*
	Winchester	1012.6	+2	SSE	1	r.r.	51	95	6	5	7	-	1	10	1500	1	*
	Boscombe Down	1012.5	+4	S'E	2	r.r.	50	95	6	6	2	-	7-8	10	450	+	*
	Calshot (S'thmtn)	1012.9	+6	SSE	2	ir.	52	95	7	6	2	-	7-8	10	800	1	1
	Dungeness	*	*	SW	2	c	*	*	6	8	-	*	9+	9+	1500	*	0
	Lympne	1013.1	+2	S'W	2	c	54	85	8	5	3	-	7-8	9+	5700	0	*
2	Shoeburyness	1012.9	+8	SW	2	c	55	85	6	5	2	-	7-8	9+	4000	0	*
	Felixstowe	1012.4	-4	SE	3	c	53	85	7	5	-	8	7-8	9	5700	0	2
	Gorleston	1013.1	0	SSE	4	c	51	85	6	-	7	-	0	7-8	-	0	2
	Cranwell	1012.2	+6	SW'W	1	c	53	95	6	5	-	-	9+	9+	2500	1	*
3	Birmingham	1012.2	+4	SSE	2	rr	50	95	5	6	2	-	9	10	1500	1	*
	Upper Heyford	1013.1	+8	S	2	rr	51	95	6	6	-	-	10	10	800	1	*
4	Ross-on-Wye	1011.2	0	S'E	2	ir.	51	95	6	6	-	-	10	10	1500	1	*
5	Portland Bill	1011.9	+4	SE	4	c	51	95	7	4	-	-	10	10	1500	1	3
	Plymouth	1010.3	0	S'E	5	c	52	95	7	5	-	-	9	9	1500	1	2
	The Lizard	1009.3	0	SSE	4	bc	51	95	7	5	7	-	2-3	4-6	4000	1	3
	Scilly (St. Mary's)	1006.2	-8	S	5	c	52	95	7	5	-	-	7-8	7-8	4000	1	4
	Guernsey	1012.4	0	S'E	2	bc	53	95	8	8	-	-	4-6	4-6	2500	1	2
6	Pembroke	1008.2	0	SE	3	c	51	95	7	8	3	-	7-8	9	2500	1	2
7	Holyhead	1009.2	0	S'E	4	c	53	85	7	5	1	1	4-6	9+	4000	1	2
	Chester (Sealand)	1010.8	0	SE	2	c	50	95	6	5	2	-	4-6	10	2500	1	*
8	L'pool (Bidston)	1010.8	0	SSE	3	0	50	95	6	5	-	-	10	10	1500	1	*
9	Harrogate	1011.7	0	-	0	rf	50	95	3	5	-	-	10	10	<150	1	*
10	Spurn Head	1011.8	-2	SSE	2	c	50	95	6	3	2	-	4-6	9+	2500	1	2
	Catterick	1011.8	+8	-	0	rf	47	95	3	5	-	-	10	10	220	1	*
	Tynemouth	1011.2	+4	SSW	1	cf	49	95	3	5	-	-	7-8	7-8	1500	1	1
11	Inchkeith	1010.9	-4	NE	2	3.	47	95	6	5	7	-	4-6	9	1500	1	2
	Leuchars	1011.6	+4	E	1	f	46	95	2	5	-	-	10	10	<150	1	*
12	Renfrew (Abbotts I)	1009.6	+2	ENE	2	dr	49	95	4	5	-	-	10	10	450	1	*
	Eskdalemuir	1010.5	+6	-	0	c	48	95	7	5	-	-	10	10	1500	1	*
13A	Tiree	1005.6	0	SE	5	c	50	85	7	5	3	-	Tr.	7-8	4000	1	3
13B	Stornoway	1004.8	+4	SSE	2	c	49	85	8	8	7	-	4-6	9	1500	1	1
15	Dalwhinnie	1010.1	0	SE	3	c	47	95	8	3	4	-	2-3	7-8	800	1	*
	Aberdeen	1011.4	+2	SSE	1	0	45	95	5	5	-	-	10	10	220	1	1
	Wick	1009.4	-8	SSE	3	r.r.	46	95	7	6	2	-	7-8	10	1500	1	3
16	Lerwick	1013.3	-14	E	4	c	45	85	7	5	1	-	4-6	9	1500	0	*
17	Blacksod Point	999.3	-4	SE	6	pr.	50	85	7	6	-	-	10	10	<150	1	4
18	Malin Head	1003.4	-4	SE	4	c	54	85	7	4	9	8	Tr.	7-8	2500	0	1
	Aldergrove	1006.7	+2	SE'S	4	c	51	85	7	5	-	1	7-8	7-8	800	1	*
	Donaghadee	1007.7	+2	SSE	2	c	50	95	7	5	-	-	7-8	7-8	1500	0	1
19	Birr Castle	1002.4	-8	SSE	3	c	52	85	7	6	2	-	7-8	10	2500	1	*
20	Valentia Obsy.†	996.8	-6	SSE	6	ir	53	95	7	6	-	-	10	10	1500	1	3
	Roches Point	1002.5	-8	SW	4	c	52	95	7	3	-	-	7-8	7-8	1500	0	5

Distrct.	Stations.	PAST 24 HOURS. Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 4th. Hrs. (36)
1	London (Kew)	68	52	48	-	2	8.0
	Croydon	69	52	48	-	0.1	8.3
	S. Farnborough	69	51	44	-	9	6.5
	Winchester	66	50	48	-	6	7.2
	Boscombe Down	65	49	48	Tr.	4	6.4
	Calshot (S'thmtn)	59	50	46	-	8	5.9
	Dungeness	68	50	*	-	-	*
	Lympne	65	52	49	-	-	9.3
2	Shoeburyness	69	48	46	-	-	9.5
	Felixstowe	60	51	48	-	-	8.1
	Gorleston	57	49	46	-	-	7.5
	Cranwell	67	50	47	Tr.	-	4.8
3	Birmingham	64	49	48	-	7	2.4
	Upper Heyford	66	51	45	-	5	*
4	Ross-on-Wye	66	51	47	0.5	2	2.2
5	Portland Bill	55	49	*	3	2	*
	Plymouth	55	51	49	2	-	0.1
	The Lizard	55	51	*	13	-	*
	Scilly (St. Mary's)	57	50	*	14	-	6.9
	Guernsey	63	51	49	0.6	1	3.2
6	Pembroke	53	50	*	12	Tr.	0.3
7	Holyhead	58	51	47	3	Tr.	0.1
	Chester (Sealand)	64	45	38	0.3	2	0.3
8	L'pool (Bidston)	62	49	46	1	3	0.1
9	Harrogate	60	47	44	-	0.5	1.4
10	Spurn Head	60	47	*	-	1	5.7
	Catterick	58	43	41	-	0.3	1.1
	Tynemouth	53	45	43	-	1	*
11	Inchkeith	49	(45) 38	42	0.3	9	1.9
	Leuchars	50	45	44	Tr.	6	1.4
12	Renfrew (Abbotts I)	52	47	47	1	8	0.0
	Eskdalemuir	59	47	45	1	8	1.8
13A	Tiree	52	48	46	0.6	0.6	0.0
13B	Stornoway	52	46	*	Tr.	2	3.5
15	Dalwhinnie	52	42	40	-	3	1.0
	Aberdeen	49	44	43	-	-	2.8
	Wick	46	44	*	-	0.6	*
16	Lerwick	45	41	*	-	-	7.8
17	Blacksod Point	59	49	*	4	3	*
18	Malin Head	54	48	*	1	-	0.0
	Aldergrove	55	46	42	4	-	0.0
	Donaghadee	52	48	*	5	-	*
19	Birr Castle	56	48	42	0.5	Tr.	1.3
20	Valentia Obsy.†	60	51	48	1	9	6.4
	Roches Point	52	50	*	10	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cbc	cy	bcycr.rm.	68	52	48	-	2	8.0	*	*	6
Croydon	217	bcc	cy	cyc3r.r.	69	52	48	-	0.1	8.3	*	*	6
Greenwich (Royal Observatory)	149	c⊕bcy	bccy	cor.r	72	50	42	-	4	7.5	49	98	5
City (Bunhill Row)	---	*	*	*	*	*	*	*	*	7.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	69	53	48	5		8.2	38	93	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	70	52	49	6		7.5	38	93	4
Camden Square	110	bc	bcebc	*	72	53	49	-	5	*	*	93	*
Kensington	80	bc	bc	*	70	52	48	-	6	8.2	At 18h. 46	67	*
Hampstead Observatory	450			*						7.7	*		*

FOREIGN OBSERVATIONS.

18h. G.M.T. 4th. May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.2	SE	1	c	68
Brussels	1014.6	SW	2	c	64
Berlin	1014.4	SSE	1	c	70
Zürich	1016.6	SSW	1	bc	61
Rome	1015.9	SW	3	bc	64

7h. G.M.T. 5th. May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1013.5	-	0	b	55
1014.8	SSE	3	c	63
1018.9	ESE	2	c	59
1017.6	SSE	1	m	48
1019.4	-	0	f-	52

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 5th.

South Kensington. Max.	Time.	Min.	Time.
0.6	8-9h. 4th.	Nil	13-16h. 4th.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	21h. 4th.	<0.1	11-18h. 5th.

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	48	-	-
72	50	-	-
73	50	-	-
66	45	-	-
72	50	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 48.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 6th. May 1933.

No. 26.098.

OBSERVATIONS at 13h. G.M.T. 5th. May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1013·3	-4	SW	3	c	61	65	8	8	-	-	9	9	2500
	Croydon ...	1012·9	-8	WSW	3	c	62	65	8	7	-	1	7·8	7·8	2500
	S. Farnborough	1012·6	-6	SSW	3	bc	62	65	8	2	-	-	4·6	4·6	2500
	Winchester ...	1012·1	-8	SSW	3	c	61	65	8	8	-	-	7·8	7·8	2500
	Boscombe Down	1011·9	-6	S'W	4	c	59	75	8	7	6	1	4·6	7·8	2500
	Calshot, S'thmtn	1013·1	0	SSE	3	bc	60	75	8	5	5	1	2·3	4·6	4000
	Dungeness ...	*	*	SE	1	c	*	*	7	8	6	*	4·6	7·8	1500
	Lympne ...	1013·7	-10	SSW	2	c/r	57	85	8	8	2	-	7·8	9+	2500
2	Shoeburyness	1013·6	-6	SSW	2	c/r	57	85	7	8	7	-	7·8	9+	4000
	Felixstowe ...	1013·6	+2	N	1	ir$_o$	56	85	7	6	7	-	7·8	9	4000
	Gorleston ...	1013·4	+2	N	3	c	59	75	6	4	7	-	4·6	10	4000
	Cranwell ...	1012·3	-6	SE'S	3	c	56	95	7	8	3	-	9	9+	800
3	Birmingham ...	1011·2	-4	S	3	bc/pr	58	75	8	9	-	-	4·6	4·6	1500
	Upper Heyford	1012·4	-6	SSW	2	c/pr	60	75	8	8	7	-	9	9+	2500
4	Ross-on-Wye ...	1010·3	-6	SSW	4	bc	63	65	8	9	6	3	4·6	4·6	4000
5	Portland Bill...	1012·0	+2	SSE	4	c	53	95	7	4	4	-	7·8	9	2500
	Plymouth ...	1010·0	-2	S	6	bc	56	85	8	5	-	-	4·6	4·6	1500
	The Lizard ...	1008·8	0	S'E	5	bc	55	95	8	4	-	8	2·3	4·6	4000
	Scilly (St. Mary's)	1006·2	-4	S'W	6	r	55	95	6	6	7	-	7·8	9+	1500
	Guernsey ...	1012·8	0	SSE	3	c	59	85	9	8	-	-	7·8	7·8	2500
6	Pembroke ...	1007·1	-6	S	3	bc	53	95	7	7	4	1	1	2·3	4000
7	Holyhead ...	1008·2	-6	SSE	5	bc	61	65	8	5	3	3	2·3	2·3	4000
8	Chester (Sealand)	1009·1	-16	SE'S	4	bc	62	65	7	2	-	-	4·6	4·6	4000
	L'pool (Bidston)	1009·2	-8	ESE	4	bc	60	75	7	7	-	-	4·6	4·6	4000
9	Harrogate ...	1011·2	0	SE	3	c	56	75	7	-	9	-	0	9	-
10	Spurn Head ...	1012·3	+2	-	0	rr	51	95	6	3	2	-	4·6	3	1500
	Catterick ...	1010·9	-12	SE'S	3	c/r	55	75	6	6	7	-	4·6	9	800
	Tynemouth ...	1011·1	-4	SW	1	o/r	54	85	6	6	-	-	10	10	1500
11	Inchkeith ...	1010·6	0	NE	2	r$_o$	50	95	6	6	-	-	10	10	1500
12	Leuchars ...	1011·2	-4	ENE	2	r$_o$	47	95	5	5	-	-	10	10	<150
	Renfrew (Abbotts I)	1008·7	-6	SE	3	3$_o$	58	75	6	8	-	-	9+	9+	2500
	Eskdalemuir ...	1009·1	-8	SE	4	c	55	75	7	6	7	-	4·6	9+	2500
13A	Tiree	1005·4	-2	SE'E	5	bc	56	75	8	2	4	2	Tr.	4·6	4000
13B	Stornoway ...	1005·5	+2	SE	2	c	55	65	8	8	7	-	4·6	7·8	1500
15	Dalwhinnie ...	1009·5	+2	SW	2	c	51	75	7	3	2	-	4·6	10	800
	Aberdeen ...	1011·6	0	E	1	r$_o$	46	95	4	6	-	-	10	10	220
	Wick	1010·0	+4	S	2	c	49	95	6	5	1	-	7·8	10	1500
16	Lerwick ...	1011·9	-8	SSE	3	c	47	95	5	5	-	-	10	10	800
17	Blacksod Point	997·2	-6	SE	4	ir	53	95	7	6	-	-	9+	9+	220
18	Malin Head ...	1001·9	-12	SE	5	bc	60	85	8	2	9	3	4·6	4·6	2500
	Aldergrove ...	1005·5	-6	SE	5	c	56	75	8	8	-	-	9	9	2500
	Donaghadee ...	1006·3	-18	S'E	2	bc	54	95	7	5	3	-	2·3	4·6	1500
19	Birr Castle ...	1000·6	-14	S	3	pr	56	85	7	9	-	-	9+	9+	2500
20	Valentia Obsy.	996·7	+2	S'E	6	c	54	95	8	5	-	-	10	10	800
	Roches Point...	1001·5	-4	S	6	c	52	95	7	3	-	-	7·8	7·8	1500

OBSERVATIONS at 18h. G.M.T. 5th. May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1012·5	0	SSW	3	c	63	65	8	2	-	4	4·6	7·8	4000	1	*
1012·7	-2	S'E	2	bc	57	75	8	2	-	6	1	4·6	4000	1	*
1012·0	-8	S	2	bc	59	75	8	1	8	8	1	4·6	4000	1	*
1011·9	-2	SE'S	3	c	55	85	9	8	7	1	4·6	7·8	2500	1	*
1011·4	-8	SSE	3	jp	55	95	8	8	-	-	9+	9+	1500	1	*
1012·0	-8	SE'E	4	c	55	85	7	8	8	-	7·8	7·8	4000	0	2
*	*	SSW	2	c	*	*	7	4	9	*	2·3	7·8	1500	*	2
1014·1	0	SW	3	bc	55	85	9	8	-	6	Tr.	4·6	4000	1	*
1012·7	-6	SSW	3	bc	58	85	8	8	7	4	2·3	4·6	4000	0	*
1013·6	0	SE	2	bc	54	85	8	5	-	-	2·3	2·3	4000	0	1
1012·8	+2	-	0	bc	53	85	6	4	7	-	2·3	4·6	4000	0	2
1010.8	-6	SSW	2	c/pr	58	85	7	8	-	-	9+	9+	2500	1	*
1010.0	-6	SSW	4	bc	59	75	8	8	3	1	4·6	4·6	2500	1	*
1011·5	-2	S'W	3	pr	58	65	9	8	7	-	9+	9+	2500	1	*
1009·7	-8	S'W	4	bc	60	65	8	2	-	2	2·3	4·6	4000	1	*
1011·0	-8	S	4	ir$_o$	53	95	7	4	-	-	9	9	1500	1	3
1008·9	-8	S	6	c	54	95	7	5	3	6	9	9+	1500	1	4
1007.7	-6	S'E	5	c/pr	52	95	7	5	4	-	10	10	2500	1	3
1005·5	-2	S'W	5	c	55	95	6	5	-	-	9+	9+	1500	1	3
1011·5	-4	S	3	bc	59	75	8	-	3	-	0	2·3	-	1	2
1005·3	-10	SSW	3	c	52	95	6	5	-	-	10	10	1500	0	3
1007.0	-10	S	4	c	56	75	7	5	3	-	7·8	7·8	4000	1	2
1007.7	-12	SE'S	4	bc	61	65	8	8	-	8	4·6	4·6	2500	1	*
1007.6	-4	S'W	3	bc	59	65	8	9	4	-	4·6	4·6	1500	1	*
1009.5	-6	SSE	2	c	57	75	7	6	7	-	9	9+	2500	1	*
1010.9	-4	SSE	5	bc	51	95	7	-	2	8	0	4·6	-	0	4
1008·9	-12	SE	2	3$_o$	57	75	6	4	-	-	2·3	2·3	4000	1	*
1011·0	-6	SE	3	bc	50	85	6	2	-	-	4·6	4·6	2500	1	1
1008·3	-10	E	3	c	51	95	7	8	6	-	4·6	7·8	2500	0	2
1008·5	-14	E	3	c	52	85	7	5	2	2	7·8	9+	1500	1	*
1006·5	-12	SE	3	c	60	55	7	8	-	-	9	9	4000	1	*
1007.0	-14	SE'S	3	t	57	65	6	3	7	4	4·6	4·6	2500	1	*
1003·2	-14	SE'E	5	c	54	75	8	5	5	-	9	9+	2500	0	3
1003.6	-10	ENE	2	c	56	75	8	4	7	-	4·6	7·8	1500	1	*
1007·5	-10	SE	3	c	52	85	7	4	2	-	4·6	7·8	800	0	*
1009.5	-16	SE'E	3	fs	47	95	4	5	-	-	10	10	220	1	1
1008.6	-8	ESE	3	pr	48	95	7	8	1	-	7·8	10	1500	1	3
1011·2	-4	S	1	r$_r$	45	95	4	5	-	-	10	10	450	1	*
996·5	-4	S	4	iR	55	85	8	6	-	-	9+	9+	450	1	4
1000·2	-8	SE	4	c/pr	56	95	8	8	7	-	4·6	9	2500	0	1
1003·1	-20	SE'S	5	c	54	85	8	5	9	2	7·8	9+	1500	1	*
1004.6	-8	S'E	3	c	52	85	7	5	-	-	7·8	7·8	1500	0	2
999.6	-4	S	3	c	57	75	8	3	-	8	2·3	7·8	2500	1	*
997·9	+6	S'E	4	c	54	85	8	5	-	-	9+	9+	800	1	3
1001·5	0	SW	5	c	53	95	8	3	-	-	7·8	7·8	2500	0	6

PAST 24 HOURS. WEATHER.

7h.–13h. 5th. (37)	13h.–18h. 5th. (38)	18h. 5th to 1h. 6th. (39)	1h.–7h. 6th. (40)
crc	cbcc	cbc	bc
crrm$_o$c	cbcy	bcpr$_o$bw	bbcw
Rrcbc	bc	bcb	bwbc
crrmcbc	c	cpr$_o$b	bbcc
cpr$_o$c	cprc	cprbcb	bcc
cir$_o$bc	bcc		b bc
bc	bc	*	b
cr$_o$cv	cvb	cvbcpr$_o$	bccmo
cr$_o$m$_o$	cbc	bc	bc
c3$_o$ir$_o$	cr$_o$cbc	bbc ⊕	bcc3$_o$
c	cpr$_o$c	bcwl	bc
cr$_o$rr	cr$_o$r	cbcb	febcm
rrcpr	bcpr	bcc	bcc
rrRr$_o$	c	cpr	c
r$_o$cbc	bcqcpbc	bc	bcc
cbcrpr	bcc	bcb	bbc
bcpd$_o$	bccpr	cpr$_o$q	cprrr
cpr$_o$	ir$_o$p$_o$	cr$_o$	cir$_o$
bcc	cbcc	bcb	bcc
bbcprmc	bcb cmwc	cir$_o$qc	
cbcbq	cprq b	pr$_o$bc	cmor$_o$
omcpr	cpRqv	bc	bcc
cm$_o$bc	bcprq	bcc	ccbc
ocrrc	cbcc	cwpb	bcb
crr	rcbc	pr$_o$cbc	bccbc
omrr	cbc3$_o$	cprbwm	bcomo
offr$_o$c	oir$_o$bc	cbc	bcmo
cir$_o$	cir$_o$	cir	cir$_o$
offrrm$_o$	oir$_o$mc	bccroom	offcm
ordc	cbc3$_o$	p$_o$bcc	bcbm
cpr$_o$c	cbct3	dtgrrcpr	cpr$_o$
cbc	bc	cwR	c
cpr	c	cpr$_o$	cpr$_o$
c	c	*	ir
omr$_o$	orrom	ombmo	bmfff
rrm$_o$	cpr	pr$_o$Fbcmm	bcmomF
cm$_o$	coFFrrm	orrmFF	FFc
ir	iR	ir$_o$	proc
cbc	bcc	cpr$_o$	c
cbcc	mpcmp$_o$	c	ccr$_o$
cbc	bcc	cwr$_o$	cir$_o$
cpr$_o$	cr$_o$c	c	cpr
cirr$_o$prc	cprprc	cwr$_o$r	cwRbc
cir$_o$c	c	coir	oirc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. j, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain.
rr, continuous rain.

<, less than (for cloud height).

⊕, Solar halo. ☽ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

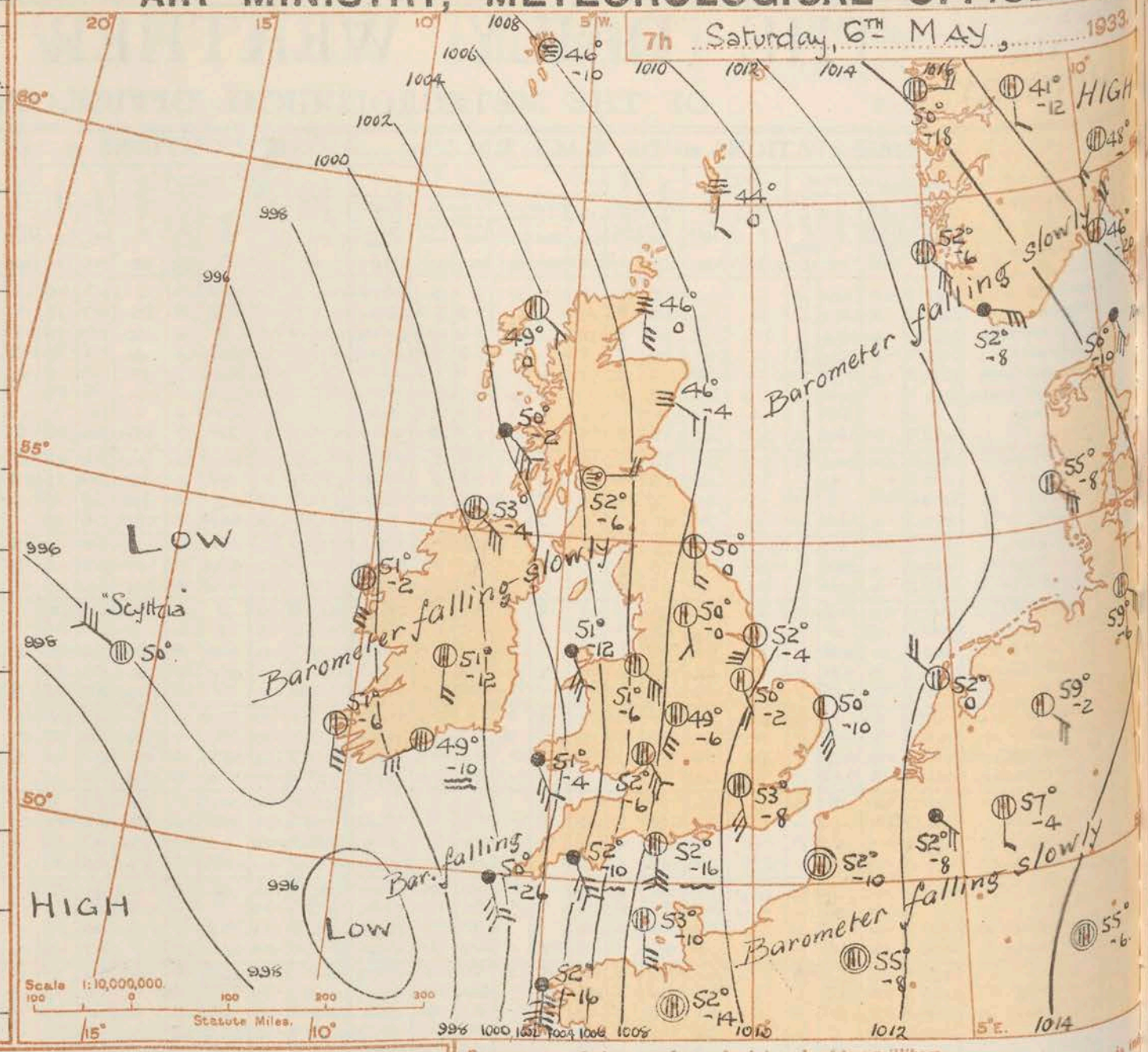
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for Friday 5th May 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 4th. to 9h. 5th.	Temperature. Max. 9h.—17h. 5th.	Rainfall. Night. 17h. 4th. to 9h. 5th.	Rainfall. Day. 9h.—17h. 5th.	Sunshine. Sunrise to 17h. 5th.	Sunshine. Sunrise to Sunset. 4th.
1	Tunbridge W.	orc	cbcb	48	64	4	3	4.7	9.8
	Bournemouth	oc	cdc	50	59	4	0.3	3.4	4.9
	Ventnor ...	orbcb	bbcu	50	59	9	-	5.5	7.0
	Southsea ...	bcb	bbc	51	59	7	-	6.6	6.5
	Bognor Regis	rbcb	bbc	51	56	9	Tr	7.4	8.5
	Littlehampton	cbc	bc	51	55	11	-	6.2	8.4
	Worthing ...	rcbc	bbcc	48	56	8	Tr	4.6	8.6
	Brighton ...	rcbc	bbcb	52	57	8	1	3.8	7.7
	Eastbourne†	rrobc	bcb	51	58	3	3	6.5	9.3
	Hastings† ...	odrc	bcb	52	60	0.4	3	5.9	9.4
	Folkestone ...	oor$_o$	cbcb	52	60	-	1	3.4	9.5
	Dover... ...	ir$_o$o	r$_o$ob	53	59	Tr	0.4	3.0	10.2
	Deal	co	p$_o$cb	52	62	-	Tr	2.5	9.7
	Ramsgate ...	cd$_o$	d$_o$bcb	51	57	-	0.2	1.3	10.3
	Margate ...	cd$_o$	c$_o$bc	53	60	-	0.1	1.0	10.5
2	Southend ...	or	orbbc	54	61	0.4	3	3.6	9.3
	Maldon ...	or	rcbc	52	63	Tr	3	2.4	8.4
	Clacton-on-Sea	cr$_o$	cr$_o$bc	52	58	-	1	3.1	9.6
	Dovercourt ...	bcc	b$_o$c	51	60	-	-	1.7	8.5
	Lowestoft ...	b	d$_o$bcb	49	61	-	Tr	3.2	7.4
	Skegness ...	rom$_o$	b$_o$	49	56	0.3	-	3.3	4.0
	Mablethorpe	or	orcbc	48	56	0.3	4	1.8	4.4
	Cleethorpes...	oRc	cb	48	61	0.1	5	2.5	5.6
3	Leamington S.	oprcb	bcprb	51	63	7	0.6	3.5	3.9
4	Cheltenham†	cm$_o$p	cpbc	50	62	4	1	4.6	1.9
5	Bath	cbcp$_o$	o	52	62	5	Tr	3.7	4.0
	Weymouth ...	cbc	cp	51	58	4	0.6	2.7	1.6
	Jersey ...	rcb	bcb	51	61	4	-	8.0	5.3
	Torquay ...	bcop$_o$	bpq$_o$	52	59	-	Tr	6.7	0.1
	Penzance ...	ocb	cborc	50	57	-	3	3.4	2.0
	St. Ives ...	cocbc	bcorc	51	58	-	3	3.6	2.1
	Bude	bc	bccr	51	61	Tr	Tr	6.4	0.0
	Ilfracombe ...	bcb	bbc	51	62	-	-	8.0	0.9
6	Aberystwyth	c	bcpbc	51	64	-	1	7.2	0.1
7	Llandudno ...	cbc	bcirc	48	65	1	2	3.5	0.1
	Colwyn Bay...	cbcb	cbcrb	45	66	-	1	4.4	0.5
	Rhyl								
8	Wallasey ...	ocbc	bbcP	50	66	3	1	4.1	0.0
	Southport‖ ...	obcb	bbcpbc	50	66	6	0.2	4.0	0.0
	Blackpool ...	oc	cp$_o$	48	63	6	0.3	4.1	0.1
	Morecambe ...	b	cbdpb	49	64	7	Tr	3.7	0.4
9	Ilkley... ...	rr	cbcc	46	62	6	3	1.0	1.3
10	Berwick-on-T.	or$_o$	r$_o$co	44	54	0.6	1	0.6	2.4
11	Dunbar ...	rcr$_o$	bc	45	57	1	0.3	0.9	1.9
12	Troon... ...	roc	c	49	58	4	-	3.0	0.1
	Douglas ...	cb	bcibc	47	56	1	0.5	4.4	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Moderate to fresh southeasterly wind, veering later; cloudy to dull, some rain, bright intervals later; mild.
5. S.W. England	∀ Fresh or strong southeast or south wind, veering; occasional rain or showers, bright intervals; mild.
6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh southeasterly wind, strong locally, veering later; dull, some rain, bright intervals later; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh southeasterly wind; cloudy, occasional rain or showers; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh south or southeast wind, probably veering; occasional rain or showers, bright intervals; mild.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ Temperature is given in degrees F.
Weather Symbols :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ⊕ Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. ≡ Fog. ≡ Mist. T Thunder. ⊼ Thunderstorm.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression is centred off the West of Ireland while a secondary trough off Southwest England is likely to move northeast. Weather will be unsettled generally.

FURTHER OUTLOOK.

Showers or occasional rain; bright intervals.

Time of issue of Gale Warnings.

∀ South Cone at 0810 on 6th in District 5.

Forecasts issued at 0920 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SATURDAY
6th MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 6th. May 1933.

No. 26,098

OBSERVATIONS at 1 hr. G.M.T. 6th. May

Distrct.	Stations.	Height above M.S.L. in feet. (1)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012.4	-10	SE'S	3	b	49	85	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.0	-14	SE	2	bc/pr	49	95	8	3	–	–	2-3	2-3	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1012.9	-8	–	0	l	50	95	7	–	4	–	0	2-3	–
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1009.6	-12	S'E	4	b	51	96	8	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1006.1	-6	S	4	o/pr	52	96	8	5	–	–	10	10	4000
	Scilly (St.Mary's)	163	1003.5	-14	S	5	c/r	52	95	6	5	–	–	9+	9+	2500
	Guernsey ...	175	1010.9	-12	S'W	3	bc	52	95	8	7	–	–	2-3	2-3	2500
6	Pembroke ...	142	1005.1	-10	S'W	3	c	51	95	6	5	–	–	9+	9+	1500
7	Holyhead ...	26	1006.9	-2	SSE	4	c	53	85	7	5	–	–	9	9	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.9	-0	S	3	bc	50	95	6	5	4	–	2-3	4-6	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1009.7	+2	S	2	bc	52	85	7	2	–	–	4-6	4-6	2500
11	Inchkeith ...	190	1008.4	+2	NE	2	c	48	95	7	8	6	–	4-6	7-8	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1003.0	-2	SSE	2	c/pr	51	85	7	8	7	–	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008.2	-4	S	3	3o F	45	95	6	5	–	1	4-6	4-6	1500
16	Lerwick ...	54	1009.8	-10	S	2		45	95	1	5	–	–	10	10	<150
17	Blacksod Point	18	997.9	+6	–	0	c	51	95	8	5	–	–	9	9	220
18	Malin Head ...	52	1001.1	+8	SE	3	c	52	95	8	4	7	3	4-6	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	997.5	-6	S	3	c/o	49	95	6	9	–	–	9+	9+	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 6th. May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1010.4	-4	S'E	3	bc	54	85	7	3	4	1	Tr	7-8	2500	0	*
1010.5	-8	S'E	3	c	53	85	7	1	3	2	Tr	9	4000	1	*
1009.8	-6	SSE	2	c	51	95	7	–	4	6	–	7-8	–	1	*
1009.0	-8	SE'S	3	c	53	85	8	–	3	6	0	7-8	–	1	*
1008.4	-8	SE'S	4	bc	52	95	7	5	–	9	2-3	4-6	5700	1	*
1009.0	-6	SE	4	bc	54	85	8	–	4	8	0	4-6	–	0	2
*	*	SE'S	2	bc	*	*	7	7	6	*	4-6	7-8	1500	*	2
1011.6	-6	SE'E	2	c3	51	95	5	5	5	6	1	9	7200	1	*
1010.8	-14	SSW	3	bc	55	85	7	3	2	9	1	4-6	4000	0	*
1011.5	-8	SE	1	bc	52	95	6	8	–	2	4-6	7-8	4000	0	0
1011.0	-10	SSE	3	bc	50	95	6	7	9	–	2-3	4-6	2500	0	2
1009.5	-2	SSE	2	bc	50	95	6	1	–	8	1	2-3	4000	1	*
1008.2	-6	SSW	3	c	49	95	6	5	–	–	9+	9+	800	1	*
1009.1	-12	SSE	3	c	51	95	8	5	7	–	Tr	9+	1500	1	*
1007.2	-6	SE'S	4	c	52	85	6	9	–	–	9+	9+	2500	1	*
1007.8	-16	S	5	c	52	95	8	4	4	–	4-6	7-8	2500	0	4
1004.8	-10	SSE	6	r.r.	52	95	7	6	2	–	4-6	10	1500	1	4
1002.6	-12	SSE	4	r.r.	49	95	7	5	–	–	10	10	1500	1	3
999.4	-26	SSE	5	ir.	50	95	6	9	–	–	9+	9+	1500	1	3
1008.2	-10	S'E	3	c/pr	53	95	9	8	–	–	9+	9+	2500	0	3
1001.9	-8	SSE	4	r.r.	51	95	6	5	–	–	10	10	1500	1	3
1004.7	-12	SE'S	4	rr	51	95	6	6	2	–	9	10	4000	1	1
1006.3	-6	ESE	3	c	51	85	6	5	–	–	9	9	1500	1	*
1005.8	-6	SE	4	c	52	85	8	8	–	8	4-6	7-8	2500	0	*
1008.7	+0	SSE	1	b	50	95	5	5	–	8	1	2-3	2500	1	*
1009.6	-4	S'W	3	bc	52	85	6	1	3	–	2-3	4-6	4000	0	2
1008.4	-2	SSE	3	c	48	95	5	5	3	–	9	9	220	1	*
1008.1	+0	S	2	bc	50	85	5	5	4	–	4-6	4-6	800	1	2
1007.2	-4	NE	2	c	49	95	7	5	7	–	7-8	9+	2500	1	2
1007.7	-4	NE	1	c/f	47	95	4	5	3	–	9+	10	4150	1	*
1005.8	-6	E	2	m	52	95	4	5	7	–	9	10	1500	1	*
1006.4	-4	SSE	3	c	51	85	6	5	7	–	4-6	9+	800	1	*
1002.8	-2	SE'E	4	ir.	50	95	6	5	1	–	9	9+	2500	1	3
1002.3	+0	SE	1	c/pr	49	85	8	8	7	9	4-6	9	1500	1	0
1005.8	-6	S	2	c	48	95	7	3	2	–	7-8	9	800	1	*
1007.6	-4	SE	1	c	46	95	7	5	–	–	10	10	4150	1	1
1007.2	+0	S	3	F	46	95	1	5	–	–	10	10	4150	1	3
1009.1	+0	S	1	F	44	96	1	5	–	–	10	10	4150	1	*
997.3	-2	S	3	c	51	85	9	8	–	–	9+	9+	450	0	3
1000.3	-4	SE	3	c	53	95	7	8	1	–	9	9+	1500	0	1
1002.3	-8	SE	4	c	51	95	7	5	3	–	9	9+	800	1	*
1003.1	-2	SSE	3	ir.	50	95	7	6	–	–	9+	9+	1500	1	3
998.5	-12	S	2	c	51	95	8	9	–	–	9+	9+	1500	1	*
997.2	-6	SSE	3	bc	51	85	8	1	3	8	Tr	4-6	1500	1	2
999.3	-10	SW	3	c	49	95	8	3	–	–	7-8	7-8	1500	1	5

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 5th. Hrs. (36)
65	47	37	4	Tr	6.6
64	48	44	9	Tr	5.2
65	48	42	3	Tr	7.1
63	47	42	0.1	0.1	5.5
61	44	41	1		4.9
61	51	44	Tr	–	4.9
59	46	*	1	–	*
58	46	39	1	Tr	3.1
60	45	38	3	–	3.6
59	46	39	Tr	–	3.3
60	48	47	Tr	–	4.7
61	43	37	6	Tr	3.0
61	45	42	5	–	4.4
63	45	38	3	0.2	*
63	49	45	0.2	–	6.4
54	50	*	2	–	*
57	51	50	Tr	1	7.0
55	48	*	1	3	5.3
57	50	*	1	0.3	5.3
61	51	47	0.4	Tr	8.6
55	50	*	0.3	2	4.4
61	51	49	Tr	3	7.7
65	50	44	1	–	4.4
64	49	47	3	–	5.3
59	45	39	6	0.3	2.3
54	47	*	4	0.1	3.7
59	43	39	6	0.2	2.5
56	48	42	1	–	*
52	46	42	0.5	2	1.9
52	43	36	0.3	0.2	0.2
61	50	48	0.1	Tr	2.3
57	46	43	Tr	5	2.1
57	49	48	–	1	3.9
57	48	*	Tr	0.2	4.60
53	45	40	–	–	1.4
48	45	40	4	–	0.0
49	44	*	0.2	0.2	*
47	44	*	0.5	2	0.0
56	50	*	8	0.2	*
61	50	*	Tr	Tr	7.4
58	50	46	Tr	0.2	4.1
55	49	*	–	4	*
59	50	46	0.5	0.3	3.2
56	48	45	2	10	0.2
55	47	*	2	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	crc	cbcc	cbc	65	47	37	4	Tr	6.6	•	•	7
Croydon	217	crrmc	cbcy	bcpr sh	64	48	44	9	Tr	5.2	•	•	7
Greenwich (Royal Observatory) ...	149	rrc	c	cbc⊕	66	46	40	5	–	3.8	66	71	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	3.5	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	64	50	43	4		4.0	52	68	•
‡Regents Pk. (Botanic Gardens) ...	168	•	•		65	49	41	4		5.0	58	62	⁂
Camden Square	110	orc	c	•	66	49	44	4	–	•	•	68	•
Kensington	80	bc	bcw	•	65	50	42	2	–	5.0	At 18h. 65	72	•
Hampstead Observatory	450	or	bc	bc	63	47	38	3	–	4.1	•	72	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 6th.

South Kensington. Max.	Time.	Min.	Time.
0.6	9-12h 5th.	N.1	16-18 5th.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	20h 5th.	0.1	13-19h 5th.

FOREIGN OBSERVATIONS.

18h. G.M.T. 5th. May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather	Temp. °F.
Paris	1013.7	WNW	1	c	68
Brussels	1012.3	NNW	2	c	64
Berlin	1016.7	E'S	3	bc	72
Zürich	1016.0	WNW	1	c	68
Rome	1007.5	SW	2	bc	70

7h. G.M.T. 6th. May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1010.9	–	0	c/r	55
1012.4	ESE	2	r.r.	52
1015.7	SE	2	c	59
1014.4	NNE	2	c	57
1019.9	–	0	bc	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
73	50	–	Tr
75	46	–	1
77	54	–	Tr
77		–	
75	46	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 7th May 1933.

No. 26099

OBSERVATIONS at 13h. G.M.T. 6th May

OBSERVATIONS at 18h. G.M.T. 6th May

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	13h. Barom. at M.S.L. mb. (1)	13h. Change in 3 hours. (2)	13h. Wind. Direc. (3)	13h. Wind. Force 0-12 (4)	13h. Weather (5)	13h. Temp. °F. (6)	13h. % Humid. (7)	13h. Visibility 0-9 (8)	13h. Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)	18h. Barom. at M.S.L. mb. (15)	18h. Change in 3 hours. (16)	18h. Wind. Direc. (17)	18h. Wind. Force 0-12 (18)	18h. Weather (19)	18h. Temp. °F. (20)	18h. % Humid. (21)	18h. Visibility 0-9 (22)	18h. Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	Past 24 hrs. Weather. 7h.–13h. 6th (37)	13h.–18h. 6th (38)	18h. 6th–1h. 7th (39)	1h.–7h. 7th (40)
1	London (Kew)	1005.7	-30	SE	3	c	66	45	8	8	-	6	1	7-8	2500	1003.8	-6	ESE	2	c/r	55	85	8	5	7	6	7-8	9	2500	1	•	cbcy ⊕	cycr.c	cpr.crr	crrm.
	Croydon	1006.2	-30	SE	4	c	66	45	8	7	7	9	Tr.	7-8	4000	1004.6	+4	S'E	3	rr	53	95	6	6	2	-	7-8	9+	2500	1	•	c cy	cyq crr	cm.rrr	or.rrm.
	S. Farnborough	1005.3	-26	SE'E	4	c	65	55	8	7	-	6	2-3	7-8	5700	1003.4	-2	SSE	2	c/pr	54	85	7	5	7	-	7-8	9	4000	1	•	bc bcy	cycprqc	r.ccrrr	orrc
	Winchester	1005.4	-14	S	4	pr.	61	75	8	8	-	6	4-6	9	4000	1002.8	-16	S'E	3	c	52	85	8	5	-	-	9+	9+	2500	1	•	c cpr.	crrm.c	cbccr.r	cr.r.c
	Boscombe Down	1004.3	-20	SE'S	4	c/pr	60	75	8	9	7	1	4-6	7-8	2500	1002.6	-18	S'E	3	c	50	85	8	8	7	1	7-8	7-8	1500	1	•	bccpr	crr r.	cr.r.	cr.r.c
	Calshot, S'thmtn	1005.6	-18	E'S	4	c	56	85	7	5	7	-	7-8	10	2500	1003.1	-18	ESE	3	c/r	53	85	8	8	-	-	9	9	1500	1	2	c	cqrr ir.	cr.r.	cr.r.c
	Dungeness	*	*	SE	1	c	*	*	6	1	7	*	2-3	7-8	1500	*	*	ESE	2	c	*	*	6	8	7	*	4-6	7-8	1500	*	2	bc	bc	*	r
	Lympne	1007.7	-22	S	2	bc	63	65	8	1	-	8	Tr.	4-6	4000	1004.6	-14	SE	3	c	58	75	7	5	7	2	2-3	9+	5700	0	*	cbc	c cm.	prRqrr	orrif
2	Shoeburyness	1007.3	-22	E	3	c	61	76	7	3	7	8	1	7-8	4000	1003.8	-22	ESE	3	c	57	85	6	5	9	9	4-6	7-8	4000	0	*	bcc	c cm.	cm.prc	corrm.
	Felixstowe	1008.3	-16	ESE	2	3.	57	85	5	2	-	8	4-6	7-8	4000	1004.8	-18	E'S	3	3.	63	95	6	4	-	4	2-3	7-8	4000	0	1	bc3.	bc3.c	bc3.	bcurr.
	Gorleston	1008.9	-10	SSE	3	c	54	85	6	7	9	-	2-3	7-8	2500	1005.0	-20	SE'E	3	c	53	85	7	-	0	7-8	-			0	2	bc	c bc	coffe	offer.
	Cranwell	1005.9	-18	SE'S	4	c	62	75	7	2	3	6	2-3	9	4000	1002.0	-18	E	3	c	62	65	8	8	7	6	2-3	9+	4000	1	•	bcc	c	c Trq	r.r.c
3	Birmingham	1004.5	-16	SSW	4	c/pr	61	55	8	6	-	-	9	9	1500	1002.1	-4	S	3	c/pr	50	95	8	6	-	-	9	9	1500	1	*	bcc	ctlrr	r.bc	bcc
	Upper Heyford	1004.3	-32	SSE	4	t	63	55	8	9	1	8	4-6	9+	2500	1003.0	-6	SSE	3	r.r.	51	95	8	6	2	-	4-6	9	1500	1	*	cbccytjp	PR tlrr	cr.cr.r.	cbcc
4	Ross-on-Wye	1003.1	-20	S	3	u	60	65	7	9	-	1	7-8	7-8	4000	1001.4	-12	S	2	jp	52	75	8	8	-	9	9	9	4000	1	*	d ip.cPTc	corbc	P.cbc	c
5	Portland Bill	1005.2	-10	S	5	ir.	52	95	7	8	-	-	10	10	1500	1002.1	-10	S	4	c	50	95	7	4	2	-	4-6	9	1500	1	3	crr	crrc	c	cbc
	Plymouth	1002.3	-10	S	6	c	52	85	8	6	7	6	2-3	7-8	1500	1000.5	-12	S'W	4	bc	53	85	98	8	-	6	2-3	4-6	1500	1	4	cRRrr	ojp bc	bccpr	bc
	The Lizard	1001.3	0	S	6	bc	53	85	8	8	4	-	4-6	4-6	2500	999.8	-10	S'W	5	bc	53	85	8	8	4	-	2-3	4-6	4000	1	3	rrcbc	bc	bccw	cpr.
	Scilly (St. Mary's)	999.5	+4	SW'S	5	jp	53	85	8	9	6	3	2-3	4-6	2500	998.9	+2	WSW	5	c/pr	49	95	7	8	-	-	7-8	7-8	2500	1	3	cirpq	p.qir	cp.bc	bccp
	Guernsey	1005.9	-6	SW	3	c/r	52	85	8	8	-	-	10	10	2500																	coir		oir	cprbc
6	Pembroke	999.1	-12	SSE	3	c/r	51	95	7	5	7	-	4-6	7-8	1500	998.2	-6	S	3	bc	50	85	7	4	5	2	2-3	4-6	2500	0	2	cmq.rrc	cprq bc	cbccpr.c	cpr.qirc
7	Holyhead	1002.3	-14	SE'S	4	pr	57	75	8	9	-	-	9+	9+	4000	1000.6	-10	S'E	4	pr	52	85	8	3	-	1	9	9	1500	1	2	r.r.cr.q	PR c	cbcc	pr
	Chester (Sealand)	1003.5	-14	S'E	4	iR	60	65	6	6	-	-	9+	9+	1500	1001.1	-8	SE	3	ir	52	85	7	5	-	-	10	10	1500	1	*	cr.cq	qPRcir	r.cbc	bcc
8	L'pool (Bidston)	1002.8	-14	S	4	jp	60	65	8	6	-	-	10	10	1500	1000.8	-6	SSE	3	c/r	52	95	8	6	1	-	4-6	10	2500	1	*	bccorq	trcir	ir.c	c
9	Harrogate	1004.8	-10	SSE	3	bc	62	55	7	2	-	1	4-6	4-6	4000	1004.4	0	SE	2	TLR	50	95	5	6	2	-	10	10	2500	1	*	b bc	bcpTLrr	corr	coir
10	Spurn Head	1006.8	-6	SE	4	c	53	86	6	3	2	-	4-6	9	2500	1002.7	-14	SE	5	c	52	85	7	5	3	8	4-6	7-8	2500	0	3	bcc	bc	c	effr
	Catterick	1004.6	-22	SE'S	4	c	63	55	8	1	-	2	1	7-8	4000	1003.7	0	SW	3	tlr	50	95	8	9	-	7	9+	10	1500	1	*	mbc3.cy	cy tlR	tRcr	am.r.r.
	Tynemouth	1006.1	-10	SE	3	bc	52	85	7	2	-	1	4-6	4-6	2500	1003.2	-20	SE	3	bc	50	85	7	5	-	1	4-6	4-6	1500	0	2	bcm.	bc	bcc	coir.
11	Inchkeith	1004.9	-8	NE	2	c	53	85	6	8	7	-	4-6	7-8	4000	1003.0	-14	SE	3	pr	53	85	8	8	1	-	7-8	9+	2500	1	2	c	cprt	cpr	cifirc
	Leuchars	1005.9	-8	E	3	c	56	75	6	5	-	3	4-6	7-8	4000	1003.6	-12	ESE	3	c	51	85	7	8	-	-	9+	9+	7200	1	*	cm bcm.	bc tcpr	cbcc	cpr.o
12	Renfrew (Abbotts I.)	1004.0	-10	SE	3	3.	58	75	6	8	-	-	10	10	1500	1001.7	-10	W'N	1	u	59	85	6	8	-	-	9+	9+	2500	1	*	cm bmpr	c3.c	upr.rr	orr.rr
	Eskdalemuir	1003.3	-16	SSE	4	c	58	66	7	1	7	2	4-6	9	2500	1003.0	+2	SE	2	rr	58	85	6	6	2	-	4-6	10	1500	1	*	c	c qtqcrr	crrbccm	ccrr
13A	Tiree	1002.6	0	ESE	4	rr	53	95	6	6	1	-	9+	10	1500	1000.8	-10	E	3	c	52	95	7	5	5	7	1	10	2500	0	3	cir.	ur.c	cPR	crr
13B	Stornoway	1002.5	-2	WSW	1	c	56	85	8	4	6	-	4-6	10	2500	1000.8	-6	NE	2	c	54	85	8	4	6	2	4-6	9	2500	1	1	cpr.	c	cm.	cbc
15	Dalwhinnie	1004.2	-10	NNE	3	c	55	75	7	4	2	-	7-8	10	1500	1003.0	-12	S	1	c	49	85	8	4	2	-	4-6	10	1600	1	•	bc	ir o	*	c
	Aberdeen	1006.6	-14	ESE	3	bc	53	85	6	5	-	1	4-6	4-6	1500	1005.0	-12	SSE	3	bc	52	85	6	-	3	8	0	2-3	-	1	1	cfm bc	bcb3.	bbc3.	bcoif
	Wick	1006.2	-4	S	3	F	47	95	1	5	-	-	10	10	<150	1004.6	-8	SSW	2	c	50	95	7	5	1	8	4-6	7-8	2500	0	2	FF	Ffm mc	c	cbcm.
16	Lerwick	1009.2	0	S	2	F	44	95	1	5	-	-	10	10	<150	1008.2	-8	SSE	3	F	44	95	1	5	-	-	10	10	<150	0	*	FFe	FFe	FFe	FFe
17	Blacksod Point	997.6	0	S	2	c	54	85	8	8	-	-	7-8	7-8	450	997.3	-2	N	2	c	55	75	9	8	-	-	7-8	7-8	220	0	2	ir.o	cbc	cbc	rrc
18	Malin Head	999.6	-2	E	3	c	52	95	8	8	7	-	9	9+	2500	998.2	0	E'S	2	c	55	85	7	5	9	3	1	9+	2500	0	1	cpr	cpr.	cpr	cpr.
	Aldergrove	1001.1	-6	SE	4	ir.	53	85	7	8	7	-	7-8	9+	1500	999.1	-10	E	3	pr	53	85	7	8	7	-	9	10	2500	1	•	cr.c	cr.cp	cp	cbcc
	Donaghadee	1001.6	-6	SSE	3	c	51	95	7	5	-	-	9	9	1500	999.3	-10	SE	2	ir.	50	95	7	5	-	-	9	9	1500	1	1	crrc	crr ir.	coir.c	cirrc
19	Birr Castle	997.2	-6	E	2	c	67	75	8	8	-	-	9+	9+	2500	995.7	-6	SE	1	c/pr	50	95	8	3	4	-	7-8	9	2500	1	*	cprc	cpr	cpr	cprc
20	Valentia Obsy.	996.8	-4	SWW	2	bc	55	75	9	8	-	4	4-6	4-6	1500	997.2	+2	NWW	3	bc	53	75	8	8	-	-	2-3	2-3	1500	1	2	bccidbc	bc bbc	cc	cir.c
	Roches Point	995.8	-24	SE	4	ir	52	95	7	6	-	-	10	10	1500	996.2	+6	NE	3	rr	48	95	7	6	-	-	10	10	1500	1	4	coir	orr	orirc	cir

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/s, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.
< . less than (for cloud height).
⊕. Solar halo. ☽ lunar halo. ⸗ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; –, has decreased; +. has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

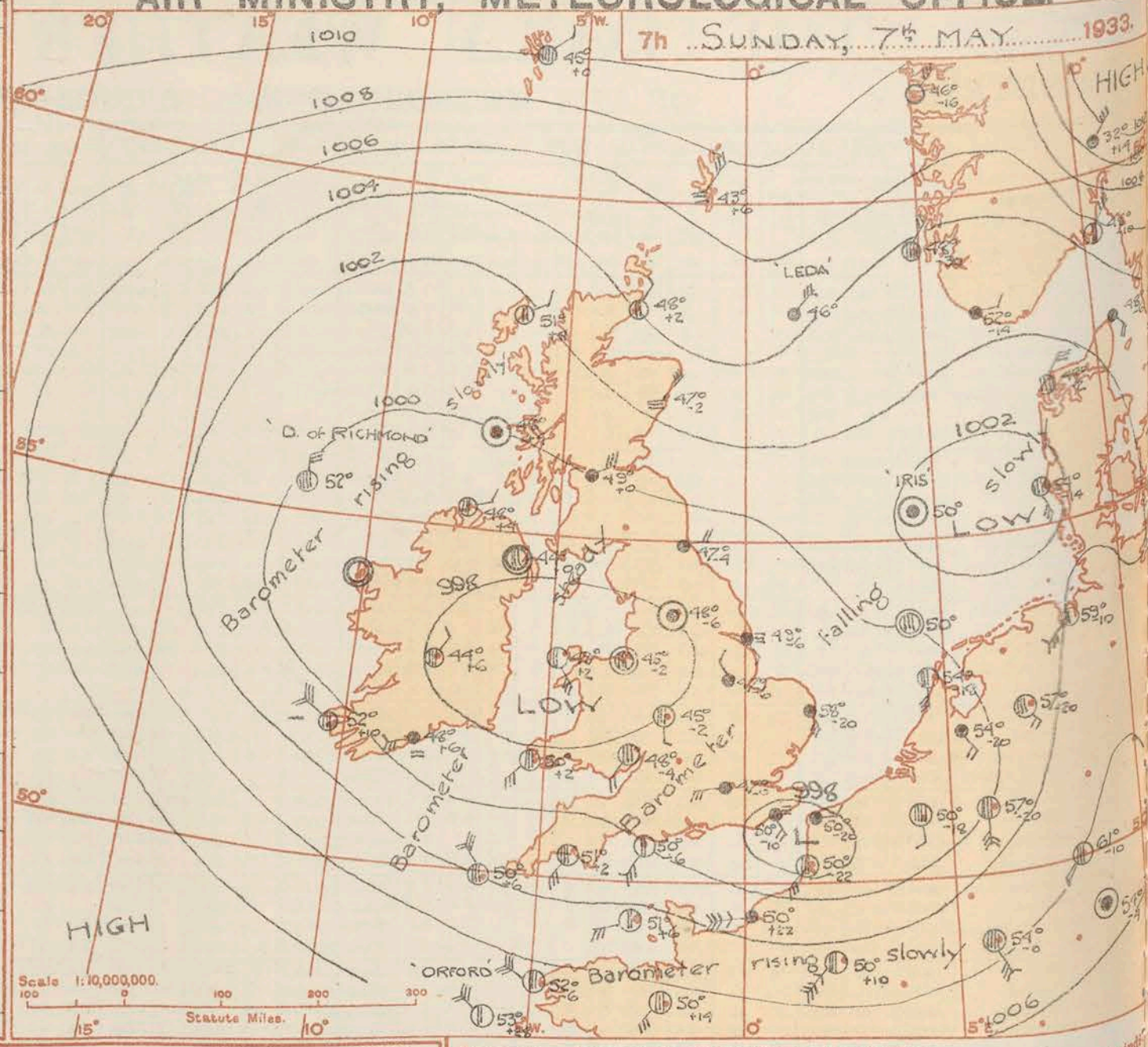
REPORTS from HEALTH RESORTS for 6th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 5th to 9h. 6th	Temperature. Max. 9h.—17h. 6th	Rainfall. Night 17h. 5th to 9h. 6th	Rainfall. Day. 9h.—17h. 6th	Sunshine. Sunrise to 17h. 6th	Sunshine. Sunrise to Sunset. 5th
1	Tunbridge W.	bc	bcc	46	68	-	-	5.0	5.7
	Bournemouth	bc	orc	49	57	0·3	4	2·1	3.8
	Ventnor ...	bbc	corcr	49	60	-	4	5.7	6.0
	Southsea ...	b	bccor	51	61	-	2	6·1	7.0
	Bognor Regis	bbc	bcrr	52	59	0.5	2	6.8	7·9
	Littlehampton	bc	bcpc	49	59	1	1	5·1	6·8
	Worthing ...	b	bbccr	50	58	Trace	1	5·2	5·5
	Brighton ...	bc	bccr	52	62	-	1	5·0	4·8
	Eastbourne†	cbc	bccorr	48	60	1	1	6·0	7·3
	Hastings† ...	bccbc	bcbbc	50	64	-	-	5·8	6·4
	Folkestone ...	bc	bbc	46	63	-	-	6·7	4.0
	Dover... ...	bcc	cbcc	44	64	-	-	6·7	4.0
	Deal	cb	bbc	47	62	-	-	5·8	3·5
	Ramsgate ...	bc	bc	49	59	-	-	6·1	2.4
	Margate ...	bc	bc	49	63	-	-	7·3	2·2
2	Southend ...	cbc3	bcc3	51	65	-	-	6·8	4.4
	Maldon ...	b	bbc	46	67	-	-	7·3	3·0
	Clacton-on-Sea	bc	bcc	51	58	-	-	5·0	4·5
	Dovercourt ...	bcc	bcc	49	60	-	-	6·6	2·6
	Lowestoft ...	b	b	47	57	-	-	9.3	4.8
	Skegness ...	bc	b	51	60	4	-	8·2	4·3
	Mablethorpe	bc	bc	45	57	0·3	-	7·9	2·8
	Cleethorpes...	b	b	44	63	0.4	-	8·3	3·6
3	Leamington S.	cbc	cpdr	46	63	-	3	2·2	4·2
4	Cheltenham†	bcq,c	cbirm	47	60	-	6	3·1	5·5
5	Bath	cp	bcrr	48	61	Trace	5	1·0	4.7
	Weymouth ...	cpc	rrcb	50	55	0.5	4	1.7	3·3
	Jersey ...	cr	cpcr	51	60	-	4	0.7	9.8
	Torquay ...	orpq	orpq,c	52	54	3	4	1·4	7·6
	Penzance ...	rcbc	cbcpc	48	55	3	1	6·2	3.4
	St. Ives ...	rocpc	b	50	55	3	2	6·2	3·6
	Bude	r	bc	51	57	7	1	2·5	6·6
	Ilfracombe ...	roc	bcpc	53	58	5	3	3·1	8·0
6	Aberystwyth	bccpc	cprbc	52	58	1	1	2·0	7·5
7	Llandudno ...	c	cir	52	61	Trace	1	0.6	5.0
	Colwyn Bay...	cbcc	crcr	50	61	-	2	0.9	5.6
	Rhyl								
8	Wallasey ...	bcc	ctP	51	62	Trace	5	0.5	5.5
	Southport‖ ...	coc	tlrr	50	63	-	3	1.7	4.6
	Blackpool ...	c	cptlr	50	62	0·1	4	2·2	4·2
	Morecambe ...	cbcb	ctlrc	51	63	-	0·5	5.0	3·8
9	Ilkley... ...	bc	bctlr	44	64	2	4	5·5	0.0
10	Berwick-on-T.	bcc	c	45	59	-	-	6·2	0.7
11	Dunbar ...	bc	crrt	46	62	-	3	4·2	2·5
12	Troon... ...	pc	bc	51	58	Trace	-	0·2	3·1
	Douglas ...	omir	cmir	48	54	1	2	0·1	5·8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. SUNDAY, 7th MAY 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th May, 1933.
1. S.E. England	Wind westerly, mainly moderate; mainly cloudy; occasional rain or showers; rather cool.
2. E. England...	Variable to westerly winds, light to moderate; cloudy with occasional rain or showers, perhaps local thunder; rather cool.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	As 1.
6. South Wales	
7. North Wales	Variable to westerly wind, mainly light; cloudy with occasional rain; rather cool.
8. N.W. England	
9. N. Midlands	
10. N.E. England	East to northeast winds, light to moderate; cloudy, occasional rain or drizzle; fog patches; moderate temperature.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Light northeasterly wind; cloudy, occasional slight rain or drizzle; moderate temperature.
13. A. W Scotld. B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	As 10 - 11.
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 12 - 14.
18. N.E. Ireland	
19. S.E. Ireland	Moderate to fresh westerly winds; mainly cloudy, local shower; rather cool.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. * Snow. Sleet. Hail. = Fog. Mist. T Thunder. ET Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex low pressure system extending from the North Sea to Ireland is tending to move slowly eastwards. Weather will be mainly cloudy and rather cool generally with some rain in most districts and perhaps local thunder today in England.

FURTHER OUTLOOK.

Continuing unsettled.

Forecasts issued at 1245 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2.
P9755/2573 Wt.47,D.600 Gp.308/23950.5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY,
7TH. MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1:4×10⁷ along meridian at 55°N

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 7th May 1933.

No. 26,099

OBSERVATIONS at 1 hr. G.M.T. 7th May

Diagram.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1000.8	-18	SE'E	1	rr	51	95	6	6	–	–	10	10	450
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	95	*	*	*	*	*	*	*
	Lympne ...	346	1001.4	-18	SW'W	1	rr	51	85	6	6	2	–	9	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1001.3	-20	SE'S	2	f	50	95	2	5	–	–	10	10	<150
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1009.6	-10	SSW	3	c	50	95	8	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1000.1	+4	W	3	c	50	85	8	8	4	–	4-6	7-8	2500
	Scilly (St. Mary's)	163	1000.1	+8	WNW	5	bc	50	95	8	2	–	–	4-6	4-6	2500
	Guernsey ...	175	1000.3	-16	–	0	o	48	95	8	5	–	–	10	10	2500
6	Pembroke ...	142	999.4	+8	WSW	3	c/pr	48	95	7	8	7	–	4-6	9+	1500
7	Holyhead ...	26	998.6	-14	E	3	c/pr	49	85	8	3	–	3	9	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1000.3	-8	SE	3	c	51	95	6	4	3	–	2-3	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1001.9	-14	SE	2	c	48	95	6	4	–	–	7-8	7-8	4000
11	Inchkeith ...	190	1001.8	-12	NE	4	c	46	95	7	5	7	–	7-8	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	999.9	-4	NE	1	c	48	95	5	8	6	–	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1004.2	-4	SSE	3	c	47	95	8	5	1	8	4-6	7-8	2500
16	Lerwick ...	54	1008.2	0	ENE	3	f	43	95	1	5	–	–	10	10	<150
17	Blacksod Point	18	996.7	0	–	0	RR	51	95	7	6	–	–	10	10	<150
18	Malin Head ...	52	998.4	+6	E	2	c	48	95	7	3	7	3	4-6	7-8	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	995.8	+6	NW	3	c/pr	52	95	8	5	–	–	9+	9+	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 7th May

Diagram.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	998.6	0	W	2	rr	48	95	6	6	2	–	4-6	10	1500	1	*
	Croyden ...	999.0	0	W	3	rr	47	95	6	6	2	–	9	10	450	1	*
	S. Farnborough	998.7	+2	W'N	2	c/r	48	95	7	6	2	–	7-8	9+	2500	1	*
	Winchester ...	998.8	+2	WSW	2	c	47	95	7	5	7	6	1	9	1500	1	*
	Boscombe Down	998.6	+2	W'S	3	c	50	95	7	5	7	1	7-8	9	800	1	*
	Calshot, (S'thmtn)	998.5	+2	SW'W	3	c	51	85	8	2	7	1	Tr.	7-8	2500	1	1
	Dungeness ...	*	*	ESE	2	r r	*	*	6	9	–	*	10	10	800	*	2
	Lympne ...	997.6	-10	SE	2	rf	50	95	3	6	–	–	10	10	<150	1	*
2	Shoeburyness	997.6	-10	SE	2	rr	52	95	6	6	–	–	10	10	800	1	*
	Felixstowe ...	998.1	-10	SE	2	r r	51	95	6	6	2	–	9	10	800	1	1
	Gorleston ...	998.6	-20	SE	3	r r	55	95	6	6	–	–	10	10	800	1	2
	Cranwell ...	998.6	-6	NW'W	1	r r	47	95	7	6	–	–	10	10	800	1	*
3	Birmingham ...	999.2	-2	S	1	c	45	95	7	6	7	–	7-8	9+	1500	1	*
	Upper Heyford	998.6	-2	SW	2	c	47	95	8	8	7	–	4-6	9+	800	1	*
4	Ross-on-Wye ...	998.4	-4	SW'W	2	c	48	85	8	5	–	1	7-8	9	4000	1	*
5	Portland Bill...	999.1	-6	WSW	4	bc	50	95	8	2	–	–	4-6	4-6	2500	1	3
	Plymouth ...	1000.2	+2	W'S	3	c	51	85	7	5	3	–	4-6	7-8	1500	1	2
	The Lizard ...	1001.1	+4	W	5	bc	51	95	8	8	6	1	4-6	4-6	2500	1	3
	Scilly (St. Mary's)	1001.4	+6	WNW	5	c/pr	50	95	7	9	6	–	4-6	7-8	2500	1	3
	Guernsey ...	1001.8	+12	W	3	bc	51	95	8	7	–	–	2-3	2-3	2500	1	3
6	Pembroke ...	997.8	+4	WSW	3	c/r	50	95	7	8	9	–	7-8	9+	1500	1	2
7	Holyhead ...	997.9	+2	SE'E	3	bc	49	95	8	4	–	3	4-6	4-6	1500	1	1
	Chester (Sealand)	997.9	-2	–	0	o	45	95	5	5	3	–	9	9	2500	1	*
8	L'pool (Bidston)	997.5	-10	SE	2	c	46	95	6	5	–	6	4-6	7-8	2500	1	*
9	Harrogate ...	998.8	-6	–	0	in	48	95	5	6	2	–	9+	10	2500	1	*
10	Spurn Head ...	998.3	-6	SE	1	rf	49	95	2	5	–	–	10	10	<150	1	1
	Catterick ...	998.5	-4	–	0	r r	49	95	6	5	–	–	10	10	800	1	*
	Tynemouth ...	999.8	-4	E	2	in	47	95	6	6	–	–	10	10	1500	1	1
11	Inchkeith ...	1000.9	-4	NE	3	in	47	95	6	6	–	–	10	10	800	1	3
	Leuchars ...	1001.9	-2	NE	3	pr	49	95	5	5	–	–	10	10	450	1	*
12	Renfrew (Abbotts I)	1000.6	0	E'N	3	rr	49	95	5	6	–	–	10	10	800	1	*
	Eskdalemuir ...	999.2	0	ENE	3	rr	46	95	6	6	2	–	7-8	10	220	1	*
13A	Tiree	1000.6	+4	–	0	r r	48	95	7	6	2	–	9+	10	800	1	1
13B	Stornoway ...	1000.7	+4	ENE	1	bc	51	85	7	8	6	–	4-6	4-6	1500	1	1
15	Dalwhinnie ...	1002.4	+4	E	3	c	49	75	7	4	2	–	4-6	10	800	0	*
	Aberdeen ...	1003.1	-2	NE	3	if	47	95	3	5	–	–	10	10	<150	1	1
	Wick	1004.5	+2	NNE	1	bc	48	95	6	5	–	–	4-6	4-6	2500	0	2
16	Lerwick ...	1006.5	+6	NE	3	f	43	95	1	5	–	–	10	10	<150	1	*
17	Blacksod Point	999.0	+14	–	0	c	50	85	8	6	–	–	9+	9+	220	1	1
18	Malin Head ...	999.0	+4	E	1	c	48	45	7	8	7	–	9	9	450	1	0
	Aldergrove ...	999.1	0	–	0	c	44	95	6	8	3	–	7-8	9+	2500	1	*
	Donaghadee ...	998.0	0	NNE	2	c	48	95	7	5	–	–	9	9	1500	1	1
19	Birr Castle ...	997.5	+6	NNE	1	c	44	95	8	8	–	8	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1000.5	+10	WNW	5	c/r	52	85	8	5	–	–	9+	9+	800	1	4
	Roches Point...	998.8	+6	W	4	in	48	95	7	6	–	–	7-8	7-8	1500	1	3

PAST 24 HOURS.

Diagram.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine Actual Hrs. (36)
1	London (Kew)...	68	48	47	0.2	‖	6.0
	Croyden ...	67	47	46	0.2	8	4.8
	S. Farnborough	67	46	45	0.6	5	8.0
	Winchester ...	62	45	43	3	2	7.0
	Boscombe Down	62	44	41	3	3	3.9
	Calshot, (S'thmtn)	60	46	46	3	13	5.4
	Dungeness ...	62	48	*	–	13	*
	Lympne ...	64	49	48	–		5.1
2	Shoeburyness	65	49	48	–	T	8.6
	Felixstowe ...	59	49	46	–	4	5.8
	Gorleston ...	55	47	46	–	2	10.4
	Cranwell ...	67	47	46	–		8.6
3	Birmingham ...	62	42	31	3	0.3	3.5
	Upper Heyford	63	45	43	3	0.3	*
4	Ross-on-Wye ...	60	46	41	6	0.1	2.8
5	Portland Bill...	53	49	*	4	–	*
	Plymouth ...	53	48	45	11	1	5.4
	The Lizard ...	54	48	*	2	1	*
	Scilly (St. Mary's)	56	49	*	8	3	5.8
	Guernsey ...	57	48	47		10	0.3
6	Pembroke ...	52	48	*	2	2	3.9
7	Holyhead ...	59	47	43	1	1	2.7
	Chester (Sealand)	62	40	32	3	0.1	1.0
8	L'pool (Bidston)	60	44	41	5	0.2	0.5
9	Harrogate ...	62	48	48	9	6	7.3
10	Spurn Head ...	56	47	*	–	0.3	8.6
	Catterick ...	63	47	46	9	9	5.3
	Tynemouth ...	52	47	43	–		*
11	Inchkeith ...	56	45	44	0.2	0.6	0.8
	Leuchars ...	59	46	41	1	tr.	5.0
12	Renfrew (Abbotts I)	60	48	47	0.1	11	0.3
	Eskdalemuir ...	61	45	45	1	6	3.0
13A	Tiree	56	48	47	1	1	1.5
13B	Stornoway ...	60	46	*	Tr.	–	2.6
15	Dalwhinnie ...	59	42	34	0.6	–	1.0
	Aberdeen ...	54	46	41	–	–	4.8
	Wick	51	46	*	–	tr.	*
16	Lerwick ...	45	43	*	–		0.0
17	Blacksod Point	56	49	*	0.3	3	*
18	Malin Head ...	57	45	*	0.3	1	1.0
	Aldergrove ...	56	38	30	1	0.3	0.9
	Donaghadee ...	54	45	*	10	2	*
19	Birr Castle ...	58	40	32	4	1	1.1
20	Valentia Obsy.†	55	51	48	0.2	1	5.4
	Roches Point...	53	46	*	9	5	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cbcy⊕	cyc r c	cp c r r m	68	48	47	0.2	11	6.0	*	*	6
Croydon	217	c c y	cy⊕ c r r	c r r r m	67	47	46	0.2	8	4.8	*	*	6
Greenwich (Royal Observatory) ...	149	cy⊕	cy⊕ r	c r r r r	70	47	47	Tr.	12	2.9	50	94	
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	68	48	48		11	4.2	38	93	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	69	47	47		11	3.8	51	96	*
Camden Square	110	c b c	b c c	*	70	48	49	–	11	*	*	93	*
Kensington	80	bc	b c c o p	*	68	48	47	Tr	13	4.5	At 18h.	94	*
Hampstead Observatory	450	b c o r	c	*	67	52	45	–	13	3.7	70	94	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 7th

South Kensington. Max.	Time.	Min.	Time.
0.3	8-10h.	Nil.	1-7h.
	6th.		7th.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	9h 6th	<0.1	11-19h
			7th

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1006.5	–	0	c/f/r o	53
Brussels	1005.6	SSW	2	c	57
Berlin	1008.1	SE	2	c	75
Zürich	1011.9	SSE	2	c	59
Rome	1016.5	WSW	1	c	64

7h. G.M.T. 7th May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1001.1	SW	3	c	50
998.9	S	1	c/r	50
1004.5	S	3	b	64
1024.7	SSE	2	o	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	50	4	5
59	50	7	3
81	68	–	0.2
66		0.3	
75	46	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 15.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 36.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 8th May 1933.

No. 26100

OBSERVATIONS at 13h. G.M.T. 7th May

Division	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	999.4	0	WSW	4	c	57	65	8	5	1	8	4.6	9+	2500
	Croydon ...	999.6	+4	WSW	4	c	54	75	7	7	7	-	7.8	9+	1500
	S. Farnborough	999.8	+2	WSW	4	pr	58	65	8	9	-	-	9+	9+	1500
	Winchester ...	999.6	-2	S'W	4	c/jp	57	65	8	8	-	-	9+	9+	2500
	Boscombe Down	999.4	+2	WSW	4	c/jp	57	65	8	8	-	-	9	9	1500
	Calshot, S'thmtn	1000.4	+10	SW	5	rr	54	85	7	6	7	-	4.6	9+	1500
	Dungeness ...	*	*	W	5	c	*	*	6	9	-	*	9	9	800
	Lympne ...	999.8	+12	WSW	4	pr	53	75	8	9	7	-	9+	10	800
2	Shoeburyness	998.7	+8	W'S	2	c	53	95	6	5	1	-	9+	10	2500
	Felixstowe ...	998.0	+6	W'S	4	pr	52	85	8	6	2	-	7.8	10	1500
	Gorleston ...	997.1	-4	W'S	2	o/r	54	95	6	8	-	-	10	10	1500
	Cranwell ...	998.3	0	WNW	3	r○	50	95	7	6	2	-	7.8	10	800
3	Birmingham ...	999.2	0	W	2	c	55	55	8	8	-	-	9	9	4000
	Upper Heyford	999.3	+10	W'N	3	r○	52	75	8	9	-	-	10	10	1500
4	Ross-on-Wye ...	999.3	+4	NW	2	r○	54	75	7	9	-	-	9+	9+	4000
5	Portland Bill...	1001.0	+10	WSW	5	c	53	95	7	4	6	-	4.6	7.8	2500
	Plymouth ...	1002.2	+10	WSW	4	c/pr	54	85	8	8	9	-	7.8	9+	1500
	The Lizard ...	1003.8	+8	W	5	c	54	85	8	8	-	-	10	10	2500
	Scilly (St. Mary's)	1004.2	+12	W'N	6	c	55	85	7	8	-	-	7.8	7.8	4000
	Guernsey ...	1004.4	+10	W	4	c	55	85	7	8	-	-	9	9	2500
6	Pembroke ...	1000.1	+12	WSW	2	c	53	85	7	5	5	-	4.6	7.8	2500
7	Holyhead ...	1000.8	+16	N'W	3	pr○	50	85	8	4	-	3	9	9	4000
	Chester (Sealand)	999.0	+4	-	0	c	55	65	6	5	-	-	9+	9+	2500
8	L'pool (Bidston)	999.8	+4	-	0	c	54	65	8	5	2	-	7.8	9+	2500
9	Harrogate ...	998.8	0	SW	1	rr	52	95	6	6	2	-	9	10	2500
10	Spurn Head ...	997.9	0	NNE	3	rr	49	95	6	6	-	-	10	10	1500
	Catterick ...	998.9	0	N	2	r○	51	95	6	6	-	-	10	10	800
	Tynemouth ...	999.2	-4	NNE	3	c	46	95	7	5	-	-	7.8	7.8	1500
11	Inchkeith ...	1002.2	-4	NE	4	d○	47	95	2	.	.	.	10	10	<150
12	Leuchars ...	1002.5	+2	NE	2	c/r○	50	85	7	5	2	-	7.8	10	800
	Renfrew (Abbotts l.)	1001.9	+8	NE'N	3	c/r○	53	85	6	5	-	-	10	10	800
	Eskdalemuir ...	999.7	0	N'E	3	c	54	75	7	8	1	8	7.8	9+	1500
13A	Tiree	1003.2	+14	NNW	1	c	54	85	6	1	7	7	Tr	10	2500
13B	Stornoway ...	1002.4	+6	NE	2	c	56	75	7	8	6	-	4.6	7.8	1500
15	Dalwhinnie ...		0	E	4	c	57	55	8	4	2	-	4.6	10	2500
	Aberdeen ...	1002.9	-2	NNE	3	c	51	95	6	6	7	-	2.3	10	1500
	Wick	1005.0	+4	NE	3	3○	45	95	6	5	-	-	10	10	1500
16	Lerwick ...	1005.9	-6	NE	4	c	46	95	6	5	7	-	7.8	9	800
17	Blacksod Point	1003.1	+14	N	3	q	56	75	8	2	4	-	2.3	4.6	800
18	Malin Head ...	1001.2	+18	NE	2	c	50	95	7	5	7	-	7.8	9+	450
	Aldergrove ...	1001.0	+8	N	3	c	56	65	8	4	3	1	4.6	7.8	4000
	Donaghadee ...	1000.6	+8	N'E	2	c	52	85	7	8	3	-	4.6	7.8	2500
19	Birr Castle ...	1000.9	+8	NNW	1	c/pr	57	65	8	8	-	-	7.8	7.8	2500
20	Valentia Obsy. ‡	1005.1	+16	NNW	5	c	55	85	8	8	-	-	9	9	800
	Roches Point...	1002.6	+24	NW	4	bc	51	85	9	3	-	-	4.6	4.6	2500

OBSERVATIONS at 18h. G.M.T. 7th May

Division	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1000.3	+6	W'S	2	c	55	75	7	5	8	-	7.8	9	2500	1	*
	Croydon ...	1000.2	+4	W	2	c/jp	54	85	7	9	2	1	7.8	9	800	1	*
	S. Farnborough	1000.7	+8	WNW	1	pr	53	85	7	8	6	3	4.6	7.8	2500	1	*
	Winchester ...	1000.6	+8	WSW	4	c/pr	53	95	8	8	4	-	7.8	7.8	2500	1	*
	Boscombe Down	1000.7	+10	W'N	4	bc	55	75	8	8	4	-	2.3	2.3	2500	1	*
	Calshot, S'thmtn	1001.1	+6	WSW	3	bc/r	53	95	7	8	7	-	4.6	4.6	2500	.	1
	Dungeness ...	*	*	SW	5	q	*	*	6	8	-	*	9+	9+	1500	*	3
	Lympne ...	1000.8	+6	WSW	4	c/pr	53	85	8	8	3	1	7.8	9+	1500	*	*
2	Shoeburyness	999.8	+4	W'N	3	rr	55	85	6	5	1	-	9+	10	2500	1	*
	Felixstowe ...	999.1	+10	W'N	3	c	54	75	6	7	7	-	7.8	9+	1500	1	2
	Gorleston ...	997.7	+6	WNW	3	c	53	85	6	8	-	-	9+	9+	1500	1	2
	Cranwell ...	999.2	+8	NW'W	3	r○	50	95	6	6	-	-	10	10	800	1	*
3	Birmingham ...	1000.1	+6	NNW	2	c/jp	54	65	8	9	-	-	9	9	1500	1	*
	Upper Heyford	1000.0	+6	WNW	3	c	55	75	8	8	1	8	4.6	7.8	2500	1	*
4	Ross-on-Wye ...	~~1001.5~~ 1000.5	+10	NW'W	4	bc	54 ~~50~~	95 ~~85~~	8	8	-	1	2.3	2.3	4000	1	*
5	Portland Bill...	1001.8	+16	WSW	5	c	52	95	7	4	7	-	4.6	7.8	1500	1	4
	Plymouth ...	1003.9	+14	WNW	4	pr	53	95	8	9	-	-	9+	9+	1500	1	3
	The Lizard ...	1005.5	+10	W	5	c/pr○	51	95	7	6	-	-	10	10	1500	1	3
	Scilly (St. Mary's)	1006.4	+16	WNW	6	c	53	95	7	5	-	-	9+	9+	4000	1	4
	Guernsey ...	1005.1	+10	W	5	o	53	85	7	5	-	-	10	10	2500	0	3
6	Pembroke ...	1002.3	+16	WNW	1	bc	52	85	7	7	7	-	2.3	4.6	4000	0	2
7	Holyhead ...	1003.7	+20	NW'W	3	bc	52	85	6	2	3	3	Tr	2.3	1500	1	2
	Chester (Sealand)	1001.3	+20	WNW	3	c	52	85	6	5	-	-	9	9	4000	1	*
8	L'pool (Bidston)	1001.7	+8	NW'N	3	r○	50	95	7	5	2	-	7.8	10	2500	1	*
9	Harrogate ...	1000.2	+6	W	2	o	49	95	5	5	-	-	10	10	800	1	*
10	Spurn Head ...	998.7	0	N	4	rr	49	95	6	6	-	-	10	10	1500	1	3
	Catterick ...	1000.3	+10	N	1	o	49	95	6	5	-	-	10	10	800	1	*
	Tynemouth ...	1000.0	+4	N	4	d○d○	47	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith ...	1003.4	+16	NE	2	rr	48	95	6	6	-	-	10	10	800	1	2
12	Leuchars ...	1003.4	+12	N	2	r○	53	85	7	6	1	-	2.3	10	1500	1	*
	Renfrew (Abbotts l.)	1003.4	+10	-	0	i○	52	85	6	9	-	-	9+	9+	2500	1	*
	Eskdalemuir ...	1002.1	+10	N'E	4	pr	50	75	8	8	1	3	7.8	9	1500	1	*
13A	Tiree	1004.2	+10	NNW	3	b	54	85	6	1	4	-	Tr	1	4000	0	1
13B	Stornoway ...	1003.5	+14	NE	3	f	47	95	2	5	-	-	10	10	<150	1	1
15	Dalwhinnie ...	1003.9	+16	E	3	c	51	85	7	4	4	-	4.6	10	800	0	*
	Aberdeen ...	1003.5	+6	N	3	c	51	85	7	9	9	-	7.8	9	1500	1	2
	Wick	1005.0	0	NNE	3	3○	46	95	6	5	-	-	10	10	1500	0	2
16	Lerwick ...	1005.5	-4	NNE	3	bc	47	85	7	5	1	4	2.3	4.6	2500	0	*
17	Blacksod Point	1006.0	+14	N	3	b	55	75	8	7	-	-	Tr	Tr	1500	0	2
18	Malin Head ...	1005.5	+6	NW	1	bc	51	95	7	5	-	-	4.6	4.6	800	0	0
	Aldergrove ...	1003.7	+18	N'E	3	bc	55	75	8	7	3	-	1	2.3	4000	1	*
	Donaghadee ...	1002.9	+10	N	2	bc	52	85	8	8	3	-	4.6	4.6	2500	0	1
19	Birr Castle ...	1003.7	+18	NNW	1	c	57	65	8	8	-	-	7.8	7.8	2500	1	*
20	Valentia Obsy. ‡	1008.0	+20	W'N	4	c	53	85	8	5	-	-	9+	9+	800	1	2
	Roches Point...	1005.4	+12	N'W	4	bc	58	65	9	3	-	-	4.6	4.6	2500	0	3

PAST 24 HOURS.

Division	Stations (For heights see p. 4.)	Weather. 7h.–13h. 7th (37)	Weather. 13h.–18h. 7th (38)	Weather. 18h. 7th to 1h. 8th (39)	Weather. 1h.–7h. 8th (40)
1	London (Kew)...	cr○r○m○c	cb○p○c	cb○cm○	cm○
	Croydon ...	orrm○c	cpr	~~mbc~~ cmb	cm○c
	S. Farnborough	ccpre	cPR	bcprcbc	cbc
	Winchester ...	cpr○bcc	cpre	cbcc	ccm○
	Boscombe Down	c	cprbc	bc	bcc
	Calshot, S'thmtn	cPRi○	cPRrr	bcph	bw
	Dungeness ...	c	c	*	bc
	Lympne ...	cr○rr	cpr	bcc	cm○
2	Shoeburyness	orrm○cm○	cm○cr○m○	cr○m○	com○
	Felixstowe ...	crrm○cr○	cr○r○c	c	cr○r○c
	Gorleston ...	orr	cor○cq	corrq	or○r○
	Cranwell ...	crrr○c	r○r○c	rrm○c	c
3	Birmingham ...	c	cbcc	cbc	bcc
	Upper Heyford	cbccr○	cr○pr○bc	cbcw	cbcw
4	Ross-on-Wye ...	cd○o○	r○cbc	bc○pc	bcc
5	Portland Bill...	bcc	cirq	cbcb	bbc
	Plymouth ...	bcprcir○	cpr	cprb	bwm○c
	The Lizard ...	bcc	cpr○c	cpr○c	c
	Scilly (St. Mary's)	cbcc	cbcc	cp○cw	bccd○
	Guernsey ...	cprbc	bcco	bcb	bbc
6	Pembroke ...	circ	cpr○bc	bcb	bb○cw
7	Holyhead ...	pr○	cb○cbm○	bc○bcm○	bcm○w
	Chester (Sealand)	m○c	c	r○bcc	cbc
8	L'pool (Bidston)	c	cbcc○r○	coc	ccbc
9	Harrogate ...	crr	corroR	c	cir○
10	Spurn Head ...	frorr	orr	bc	cirpr
	Catterick ...	orrr○r○	r○r○om○	om○ir○o	om○c
	Tynemouth ...	oir○ffc	coid○	oddq	oddir○q
11	Inchkeith ...	oif○FF	odf○df○rr	c	cbcw
12	Leuchars ...	ofm○p○	cpr○r○○	cir○bc	bcbw
	Renfrew (Abbotts l.)	orrr○○	ccr○	cr○cm○	bc○tw
	Eskdalemuir ...	crrc	cd○d○c	cid○cbc	bc
13A	Tiree	crr○c	cbc	bw	bcw
13B	Stornoway ...	bcc	co○f	em○c	cor○e
15	Dalwhinnie ...	c	c	*	c
	Aberdeen ...	offmid.rc	c○3c	c	c
	Wick	Ffcm○	com○m	c	c
16	Lerwick ...	Ffecm○	c	c	c
17	Blacksod Point	bcq	bcb	bc	ir○
18	Malin Head ...	cpr○	cbc	bc	bc
	Aldergrove ...	cpr○bc	bcc	c	cm○w
	Donaghadee ...	cpr○c	cbc	cbc	bcz○
19	Birr Castle ...	cphrtc	cpr	cbc	bccir
20	Valentia Obsy. ‡	cprc	c	cbcc	cir○r○
	Roches Point...	cirbcv	bcv	bcvb	bccoid○

‡ The observations in 13h section (columns 1–14) refer to 14h

§ The observations in 18h section (columns 15–30) refer to 17h

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s○, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s○/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus.
R, heavy rain. r○, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸙ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

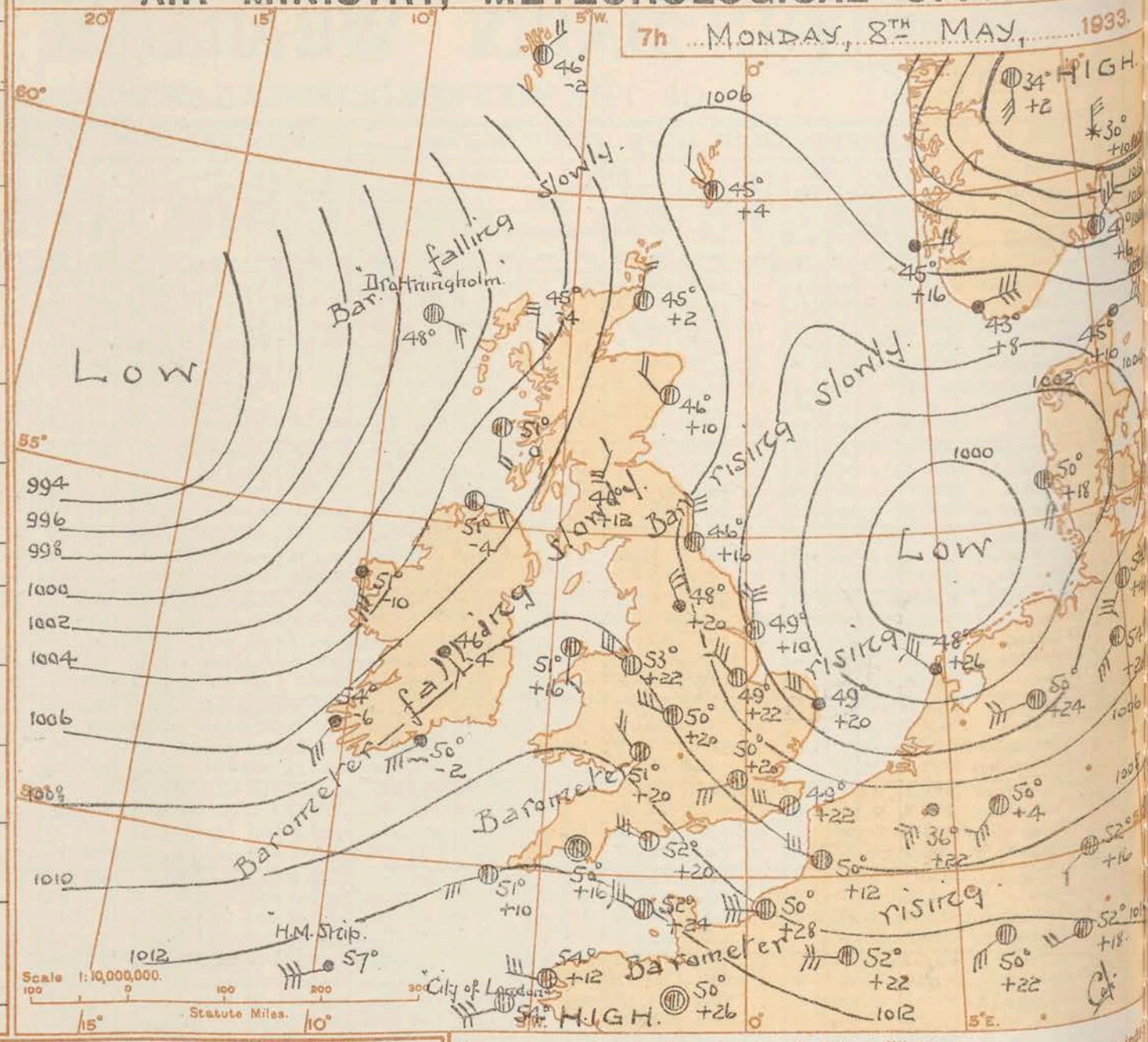
REPORTS from HEALTH RESORTS for 7th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 6th to 9h. 7th.	Temperature. Max. 9h.—17h. 7th.	Rainfall. Night. 17h. 6th to 9h. 7th.	Rainfall. Day. 9h.—17h. 7th.	Sunshine. Sunrise to 17h. 7th.	Sunshine. Sunrise to Sunset. 6th.
1	Tunbridge W.	oro	opbcc	46	59	10	1	0·7	5·1
	Bournemouth	bc	rcd	47	59	3	0·5	4·0	2·4
	Ventnor ...	rcbcb	bbccw	46	55	3	-	6·8	5·9
	Southsea ...	bcorc	obcir	47	59	3	1	5·2	6·2
	Bognor Regis	bccPR	bcPR	46	60	10	3	3·3	6·8
	Littlehampton	c	cpcr	48	56	18	2	2·1	5·6
	Worthing ...	oc	cbccr	48	56	9	4	2·0	5·5
	Brighton ...	opbc	bcpo	43	55	16	2	1·2	5·0
	Eastbourne†	rroc	cbccor	48	55	10	0·1	3·9	6·0
	Hastings† ...	oroc	cbcc	48	56	11	1	1·7	5·8
	Folkestone ...	cir	cir	52	57	14	1	0·8	6·7
	Dover... ...	cp	cp	49	56	11	0·3	0·8	6·8
	Deal	roco	cbcor	50	59	7	Trace	1·5	5·9
	Ramsgate ...	cpc	pc	50	58	10	0·3	0·6	6·2
	Margate ...	cp	c	51	57	10	1	0·3	7·8
2	Southend ...	or	orc	50	57	10	1	0·1	6·8
	Maldon ...	rr	roc	51	56	11	1	0·0	7·8
	Clacton-on-Sea	orr	orc	50	56	6	2	0·6	5·0
	Dovercourt ...	bcorc	rbc	51	55	6	0·4	0·0	6·9
	Lowestoft ...	sopr	oirc	47	57	3	4	0·0	10·6
	Skegness ...	rom.	rom.	50	52	33	13	0·0	8·7
	Mablethorpe	orm	orm.	48	50	2	7	0·0	8·6
	Cleethorpes...	orr	orr	48	55	0·6	13	0·0	8·4
3	Leamington S.	cbc	bcc	46	60	-	-	1·8	2·2
4	Cheltenham†	cp	oc	45	57	-	0·5	1·1	3·5
5	Bath	cbc	bcpc	49	60	0·5	0·3	3·7	1·1
	Weymouth ...	bbc	cpcbc	49	59	0·2	1	5·6	1·7
	Jersey ...	c	bc	48	56	25	-	5·0	0·7
	Torquay ...	cjpor	pbccp	48	59	-	1	4·2	1·4
	Penzance ...	ocboc	cbc	47	56	1	-	2·2	6·2
	St. Ives ...	p	p	50	55	2	Trace	1·7	6·4
	Bude	cp	cprc	50	55	Trace	1	1·1	5·0
	Ilfracombe ...	cbc	bcpc	49	55	2	1	2·3	4·6
6	Aberystwyth	circ	c	47	53	1	-	2·3	3·4
7	Llandudno ...	c	cbc	46	55	0·1	-	2·8	0·8
	Colwyn Bay...	bcbc	cbcb	43	54	0·3	-	2·4	1·1
	Rhyl								
8	Wallasey ...	oc	c	45	54	1	-	0·1	0·5
	Southport‖ ...	coc	cro	43	58	0·5	0·1	2·1	1·7
	Blackpool ...	cbco	op	44	57	2	0·1	2·7	2·2
	Morecambe ...	cbbcc	crc	47	56	4	2	1·2	5·0
9	Ilkley	r	r	48	54	10	5	0·0	5·5
10	Berwick-on-T.	od.d.	r.Ro	44	47	-	2	0·0	6·6
11	Dumbar ...	oefr	crr	45	47	0·3	3	0·0	4·2
12	Troon... ...	rr	rcbc	49	55	12	1	2·3	0·2
	Douglas ...	cb	cbc	46	57	5	-	5·3	0·1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ...Monday, 8th May, ...1933.



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ Temperature is given in degrees F.
Weather Symbols :— ○Clear sky. ◔Sky less than 1/10 clouded. ◑Sky 1/10 to 5/10 clouded. ◕Sky 5/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳ Snow. ✳ Sleet ▲ Hail. ≡ Fog ≡ Mist. T Thunder. K Thunderstorm.
Sea Disturbance.〰Rough. 〰High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 8th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate northwest or west wind, backing southwest; fair at first, some rain probable later; moderate or rather high temperature.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate southwest wind, freshening; cloudy, some rain or drizzle; moderate or rather high temperature.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light variable wind, becoming southerly and freshening; fair at first, rain later; moderate or rather high temperature.
12. S.W. Scotland & Isle of Man	Light or moderate southerly wind, freshening; cloudy, some rain; moderate temperature.
13. A. W. Scotld. / B. N.W. Scotland	
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 9 - 11.
17. N.W. Ireland 18. N.E. Ireland	Moderate to fresh or strong southerly wind, veering; cloudy, occasional rain or showers; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh or strong southwesterly wind; cloudy, some rain or drizzle, bright intervals later; moderate temperature.

General Inference.

A depression over the North Sea is filling up and another depression is spreading in from the Atlantic. Weather will be mainly fair at first in eastern districts but unsettled weather will spread later from the West.

Further Outlook.

Unsettled.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0925 G.M.T.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
MONDAY,
8TH. MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1: 4×10^7 along meridian at 55° N.

Statute Miles 0 100 200 300 400

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 8th May 1933.

No. 26/100

OBSERVATIONS at 1 hr. G.M.T. 8th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High. (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1004.0	+10	W'S	3	c	49	95	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1003.6	+6	WNW	2	c	47	95	7	-	7	-	0	9+	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1001.3	+6	W	2	bc	49	95	6	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1006.8	+20	NW	4	b	50	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1010.0	+20	WNW	3	c	50	95	8	8	-	-	10	10	1500
	Scilly (St. Mary's)	163	1010.7	+16	WNW	4	bc	50	95	7	8	-	-	2-3	2-3	4000
	Guernsey ...	175	1008.3	+16	W	4	b	50	95	7	-	-	-	0	0	-
6	Pembroke ...	142	1008.4	+18	W	1	b	49	95	7	5	-	-	1	1	2500
7	Holyhead ...	26	1007.1	+14	NW	2	bc	49	95	6	5	-	1	4-6	4-6	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	473	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1000.2	+2	NNW	5	c	49	95	7	5	2	-	4-6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1001.9	+10	N	5	dd	46	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1005.3	+12	NW	1	c	50	85	8	5	-	-	9	9	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts'l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1004.1	-4	NNE	1	c	45	95	5	8	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1006.5	+2	N	3	c	45	95	7	5	2	-	7-8	10	1500
16	Lerwick ...	54	1005.7	+6	NNE	1	c	44	95	7	5	2	-	9	10	1500
17	Blacksod Point	18	1005.7	-4	S	2	c	50	85	8	-	-	7	0	7-8	-
18	Malin Head ...	52	1005.9	-2	-	0	c	44	95	7	5	-	-	Tr	Tr	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1008.3	+6	S	3	c	50	95	8	5	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 8th May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1007.6	+2.0	W	3	c	52	75	6	5	-	-	9+	9+	4000	1	*
	Croyden ...	1007.2	+2.0	WSW	3	o	50	85	7	5	-	-	10	10	1500	1	*
	S. Farnborough	1008.2	+2.0	W'N	3	c	51	85	7	5	4	2	2-3	7-8	4000	1	*
	Winchester ...	1009.0	+3.0	W	3	c	49	85	6	5	-	-	9+	9+	2500	1	*
	Boscombe Down	1009.2	+2.4	WNW	3	c	50	85	6	5	-	-	9	9	2500	1	*
	Calshot (S'thmtn)	1008.7	+2.2	W	3	b	50	85	7	5	-	-	1	1	4000	0	1
	Dungeness ...	*	*	NW	4	c	*	*	6	8	-	*	9+	9+	1500	*	3
	Lympne ...	1006.9	+2.2	WNW	3	z_o	49	95	6	5	-	-	10	10	4000	1	*
2	Shoeburyness	1005.9	+1.8	WNW	3	o	52	85	6	5	-	-	10	10	1500	1	*
	Felixstowe ...	1005.2	+2.2	W'N	3	c	51	85	8	5	2	-	7-8	10	800	1	1
	Gorleston ...	1002.8	+2.0	W'N	3	$d_o d_o$	49	95	6	6	-	-	10	10	1500	1	2
	Cranwell ...	1005.3	+2.2	NW	4	c	49	95	7	6	2	-	9	10	800	1	*
3	Birmingham ...	1008.2	+2.0	WNW	3	c	50	85	6	5	-	-	9+	9+	1500	1	*
	Upper Heyford	1007.7	+2.8	WNW	4	c	51	85	8	5	-	-	9	9	1500	1	*
4	Ross-on-Wye ...	1008.8	+2.0	NW	2	c	51	85	7	5	-	9	7-8	7-8	2500	1	*
5	Portland Bill...	1010.1	+2.0	WNW	3	bc	52	95	8	9	-	-	2-3	2-3	2500	0	3
	Plymouth ...	1011.2	+1.6	-	0	z_o	50	95	6	5	3	-	2-3	9+	1500	0	0
	The Lizard ...	1012.0	+1.2	W	3	r	51	95	7	5	-	-	9+	9+	2500	0	3
	Scilly (St. Mary's)	1012.0	+1.0	WSW	3	c/d	51	95	7	8	-	-	7-8	7-8	2500	1	2
	Guernsey ...	1012.1	+2.4	WNW	4	c	52	85	7	8	6	-	4-6	7-8	2500	0	3
6	Pembroke ...	1008.9	+1.2	W	3	c	50	95	7	7	2	-	4-6	9+	4000	0	2
7	Holyhead ...	1008.7	+1.6	S	1	c	51	95	5	5	-	1	9+	9+	450	1	0
	Chester (Sealand)	1007.9	+2.2	W'N	3	bc	53	85	6	5	-	1	4-6	4-6	4000	0	*
8	L'pool (Bidston)	1008.3	+2.4	NW'W	4	bc	50	95	7	7	-	-	4-6	4-6	2500	0	*
9	Harrogate ...	1004.4	+2.0	NNW	3	r_o	48	85	7	6	2	-	9+	10	2500	1	*
10	Spurn Head ...	1003.3	+1.0	N	5	c/pr	49	95	7	3	2	-	7-8	10	2500	1	3
	Catterick ...	1006.1	+2.4	NW	3	c	48	85	6	5	-	-	10	10	800	1	*
	Tynemouth ...	1004.8	+1.6	N	5	o	46	95	6	6	-	-	10	10	1500	1	*
11	Inchkeith ...	1007.2	+1.0	WSW	1	c	46	95	6	5	3	6	2-3	7-8	1500	1	2
	Leuchars ...	1007.1	+1.0	SW	1	bc	45	95	7	3	3	4	0	4-6	-	1	*
12	Renfrew (Abbotts'l)	1007.0	+1.2	N'E	1	of	46	95	8	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1007.2	+1.4	N	1	bc	47	85	8	5	-	6	2-3	4-6	4000	1	*
13A	Tiree	1005.2	0	S'E	2	c	51	95	6	5	-	7	Tr	10	220	0	1
13B	Stornoway ...	1003.5	-1.4	S	2	f	45	95	2	5	-	-	10	10	<150	1	0
15	Dalwhinnie ...	1007.1	+1.2	-	0	bc	46	75	8	4	-	-	4-6	4-6	2500	0	*
	Aberdeen ...	1007.2	+1.0	NW	2	c	46	65	8	5	-	-	10	10	1500	0	1
	Wick	1006.8	+1.2	N	2	c	45	95	7	5	2	-	7-8	10	1500	0	2
16	Lerwick ...	1005.4	+1.4	NW	1	c	45	85	7	5	-	-	10	10	1500	0	*
17	Blacksod Point	1002.5	+1.0	S	3	ir	51	95	7	6	-	-	10	10	<150	1	3
18	Malin Head ...	1004.9	-1.4	E'S	2	c	51	95	8	-	-	7	0	9+	-	1	0
	Aldergrove ...	1007.0	+1.2	SE	1	c	47	95	6	-	7	9	0	9	-	1	*
	Donaghadee ...	1007.4	+1.0	WNW	1	bc	51	85	6	8	3	-	4-6	4-6	2500	0	1
19	Birr Castle ...	1006.7	-1.4	SE	1	ir_o	46	95	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.†	1006.4	-1.6	SW'S	4	c/r_o	54	95	6	5	-	-	10	10	450	1	3
	Roches Point...	1006.6	-1.2	SW	3	id_o	50	95	6	6	-	-	10	10	1500	1	4

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 7h Hrs. (36)
1	London (Kew)...	58	50	46	1	-	1.3
	Croyden ...	57	49	47	4	-	1.3
	S. Farnborough	60	47	39	8	0.1	3.7
	Winchester ...	59	43	41	2	-	3.7
	Boscombe Down	58	42	39	0.2	-	5.7
	Calshot (S'thmtn)	57	44	39	8	4	
	Dungeness ...	55	49	*	1	-	*
	Lympne ...	56	46	44	1	1	0.9
2	Shoeburyness	57	47	45	2	Tr	0.0
	Felixstowe ...	55	49	48	4	0.6	0.2
	Gorleston ...	55	47	46	7	6	0.0
	Cranwell ...	52	48	46	5	2	0.0
3	Birmingham ...	57	48	44	-	-	1.2
	Upper Heyford	56	48	45	0.2	-	*
4	Ross-on-Wye ...	58	46	39	3	Tr	3.4
5	Portland Bill...	53	49	*	0.4	-	*
	Plymouth ...	56	43	35	1	Tr	3.8
	The Lizard ...	55	50	*	Tr	Tr	*
	Scilly (St. Mary's)	56	50	*	-	2	8.0
	Guernsey ...	57	49	46	0.1	-	5.5
6	Pembroke ...	54	47	*	0.6	Tr	1.3
7	Holyhead ...	53	45	36	0.3	-	5.6
	Chester (Sealand)	57	47	41	-	Tr	0.0
8	L'pool (Bidston)	54	47	45	Tr	-	0.0
9	Harrogate ...	52	47	46	11	Tr	0.0
10	Spurn Head ...	51	47	*	13	1	0.1
	Catterick ...	52	48	41	4	0.3	0.0
	Tynemouth ...	51	46	44	1	2	*
11	Inchkeith ...	49	45	38	3	Tr	7.0
	Leuchars ...	53	41	34	1	Tr	7.1
12	Renfrew (Abbotts'l)	54	39	36	9	Tr	1.6
	Eskdalemuir ...	56	30	35	4	0.1	0.5
13A	Tiree	58	40	31	1	-	7.0
13B	Stornoway ...	57	43	*	1	Tr	7.1
15	Dalwhinnie ...	56	42	33	-	-	1.6
	Aberdeen ...	53	44	44	1	-	0.0
	Wick	50	43	*	-	-	0.0
16	Lerwick ...	47	43	*	-	-	3.4
17	Blacksod Point	57	46	*	-	1	*
18	Malin Head ...	52	42	*	Tr	-	6.8
	Aldergrove ...	59	40	34	Tr	Tr	5.3
	Donaghadee ...	53	44	*	0.2	-	*
19	Birr Castle ...	60	42	31	2	0.2	7.8
20	Valentia Obsy.†	57	49	46	0.1	4	4.4
	Roches Point...	59	47	*	2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cr,r,m,	cbcp,c	cbcm,	58	50	46	1	-	1.3	*	*	7
Croydon	217	orrm,c	cpr	orbcm,	57	49	47	4	-	1.3	*	*	6
Greenwich (Royal Observatory) ...	149	rrc	cir,	cbcm,	59	50	45	05	Tr	0.4	68	73	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	60	50	46	Tr		1.4	62	71	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	59	48	49	0.1		0.8	63	75	*
Camden Square	110	orc	c	*	59	51	48	Tr	-	*	*	72	*
Kensington	80	bcc	bc	bcsw	59	50	46	0.1	-	1.1	90 At 18h.	79	*
Hampstead Observatory	450	orbc	bcp	bc	57	47	41	-	0.3	0.7	*	75	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 8th

South Kensington. Max.	Time.	Min.	Time.
0.5	9-11h 7h	Nil	23h 7h - 23h 3h

Kew Observatory. Max.	Time.	Min.	Time.
0.2	24 8h	0.0	4h 8h

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 7th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1005.7	WSW	4	a/	54	1010.3	W	5	c	52
Brussels	1001.8	WSW	4	c	59	1006.3	SW'W	4	$r_o r_o$	54
Berlin	1002.5	W	2	r/ir	61	1006.5	-	0	c	54
Zürich	1005.6	SSW	1	c/r	52	1011.1	NNW	1	rr	46
Rome	1014.7	S	5	bc	63					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
61	50	5	Tr
55	48	4	1
77	1	2	0.3
66	45	3	13
75		2	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 9th May 1933.

No. 26.101

OBSERVATIONS at 13h. G.M.T. 8th May

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010·2	+6	W	3	c	61	55	7	8	3	-	7-8	9	4000
	Croydon	1009·4	+6	NWN	3	c	61	55	7	7	-	1	7-8	9	2500
	S. Farnborough	1009·5	+2	W	3	c	64	55	7	8	8	1	7-8	9	4000
	Winchester	1010·2	+2	W	4	c	61	65	8	7	-	8	4-6	7-8	2500
	Boscombe Down	1010·3	+4	WNW	4	c	62	55	8	7	3	-	4-6	9	2500
	Calshot, S'thmtn	1010·8	+10	~~SSW~~ SSW	5	c	60	75	7	2	3	6	2-3	7-8	4000
	Dungeness	*	*	SW	4	q	*	*	6	8	-	*	9+	9+	1500
	Lympne	1009·9	+10	W	3	c	56	75	8	5	-	-	10	10	2500
2	Shoeburyness	1009·2	+6	W'N	4	c	58	75	6	5	2	-	7-8	10	2500
	Felixstowe	1008·6	+14	WNW	3	c	53	85	7	5	2	-	7-8	10	1500
	Gorleston	1007·2	+20	NNW	4	c	51	95	6	5	-	-	10	10	1500
	Cranwell	1008·1	+10	NW	3	c	54	85	7	5	-	6	9	9+	1500
3	Birmingham	1008·5	+4	WNW	2	c	62	65	8	2	3	-	2-3	7-8	2500
	Upper Heyford	1009·3	+2	WNW	4	c	62	65	7	8	7	-	4-6	9+	2500
4	Ross-on-Wye	1008·8	0	W'S	4	c	63	65	8	7	9	-	2-3	9+	4000
5	Portland Bill	1012·0	+6	WSW	4	c	52	95	7	4	7	-	7-8	10	2500
	Plymouth	1012·6	+2	SW'S	3	$d_o d_o$	51	95	5	5	-	-	10	10	<150
	The Lizard	1012·7	0	W'S	4	oF	53	95	1	5	-	-	10	10	220
	Scilly (St. Mary's)	1012·9	+8	W	5	c	54	95	6	5	-	-	9+	9+	2500
	Guernsey	1014·3	+6	W'S	3	o	56	85	8	5	-	-	10	10	2500
6	Pembroke	1009·2	-2	SSW	3	df	50	95	2	5	-	-	10	10	800
7	Holyhead	1008·7	-2	SSW	4	q	54	85	8	5	7	-	4-6	9+	800
	Chester (Sealand)	1008·1	-4	WNW	2	c	60	65	6	8	-	-	9	9	4000
8	L'pool (Bidston)	1007·7	-2	NW'N	2	c	58	65	8	-	3	-	0	7-8	-
9	Harrogate	1007·8	0	NNE	1	c	56	75	7	8	3	9	2-3	7-8	4000
10	Spurn Head	1006·9	+6	N	4	c	50	95	7	5	2	-	4-6	10	2500
	Catterick	1007·5	+2	NNW	1	c	55	75	7	5	-	6	4-6	7-8	1500
	Tynemouth	1007·0	+4	N	2	c	47	95	6	5	-	-	7-8	7-8	800
11	Inchkeith	1007·0	-8	ENE	2	c	52	85	8	2	-	9	4-6	9	4000
	Leuchars	1007·0	-8	E	3	c	51	75	7	1	-	8	Tr.	9	2500
12	Renfrew (Abbotts'l)	1005·2	-10	SSW	2	c	61	55	7	2	7	-	2-3	9	4000
	Eskdalemuir	1005·7	-10	SSW	3	c	59	65	8	7	7	-	2-3	9+	4000
13A	Tiree	1002·0	-20	SE'S	5	c	55	85	7	5	5	-	7-8	9+	2500
13B	Stornoway	1001·0	-14	SE	2	c	51	85	7	8	7	-	4-6	9+	2500
15	Dalwhinnie	1004·2	-6	S	2	c	58	55	8	4	1	-	7-8	10	2500
	Aberdeen	1006·9	-8	ESE	3	c	48	85	7	5	7	-	4-6	9+	2500
16	Wick	1005·3	-6	ESE	3	c	47	95	7	5	1	-	7-8	9	1500
	Lerwick	1005·7	0	S	2	c	45	95	7	5	2	-	7-8	10	1500
17	Blacksod Point	1004·0	+8	WNW	5	q	56	75	8	2	-	4	2-3	4-6	800
18	Malin Head	1002·0	-10	S'W	4	c	55	95	7	8	1	-	9+	10	800
	Aldergrove	1005·2	-6	S	4	$r_o r_o$	53	85	6	6	2	-	9	10	1500
	Donaghadee	1005·6	-8	SW	2	c	58	75	7	5	-	-	7-8	7-8	1500
19	Birr Castle	1006·7	+2	W	3	ir_o	59	65	8	8	-	2	7-8	9	1500
20	Valentia Obsy.	1010·5	+18	SW'W	5	bc	56	75	8	1	-	2	4-6	4-6	1500
	Roches Point	1009·7	+10	NW	4	bc	59	75	9	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 8th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1010·0	+6	WSW	3	c	61	65	8	5	7	-	7-8	9	4000	1	*
1010·0	+8	W'S	4	c/pr	61	65	8	7	7	-	4-6	9+	2500	1	*
1010·4	+6	WSW	3	c/pr	59	75	8	5	7	-	9	9+	1500	1	*
1010·9	+2	SW	3	c/r	55	85	7	5	2	-	7-8	9+	1500	1	*
1010·9	+2	SW	3	id_o	54	95	6	5	2	-	7-8	10	1500	0	*
1011·5	-4	SW'S	4	id_o	53	95	7	5	-	-	10	10	1500	0	2
*	*	SW	5	q	*	*	6	7	3	*	4-6	7-8	1500	*	4
1010·6	+6	WSW	4	c	57	75	7	2	4	6	1	7-8	4000	1	*
1009·2	0	WSW	3	c	62	65	7	8	3	9	4-6	7-8	4000	0	*
1009·0	+2	SE'E	1	c	55	85	6	7	3	-	4-6	7-8	4000	0	0
1008·6	+10	-	0	c	53	85	6	4	7	-	4-6	7-8	1500	0	1
1007·4	-6	SE'E	2	c	59	85	6	5	-	-	9	9	4000	1	*
1008·9	+4	SW	3	id_o	57	75	8	6	2	-	4-6	9+	1500	1	*
1009·9	+2	SW	4	c	55	85	8	5	7	7	4-6	10	2500	1	*
1009·6	0	SW	3	c	54	85	7	5	-	-	10	10	2500	1	*
1011·8	-4	WSW	4	c	52	95	7	8	-	-	10	10	1500	1	4
1013·4	+12	WNW	5	c	56	75	8	8	-	-	9	9	1500	1	3
1014·6	+6	W	3	c	53	95	7	8	-	-	7-8	7-8	2500	1	3
1015·2	+10	W'N	5	bc	54	85	6	-	-	3	0	4-6	-	1	3
1013·3	+4	WSW	4	c	54	95	7	8	-	-	7-8	7-8	1500	1	3
1009·7	-2	SSW	3	bc	52	85	6	5	6	-	4-6	4-6	1500	1	2
1008·2	-2	SW	3	f	51	95	2	5	-	-	10	10	<150	1	1
1007·9	+2	SW'S	3	ir_o	57	75	7	5	-	-	10	10	1500	1	*
1008·0	+2	W'S	3	c/r	55	85	8	6	-	8	4-6	9+	2500	0	*
1006·7	-6	SW	1	c	57	65	7	-	2	7	0	10	-	1	*
1007·4	0	E'S	2	c	48	95	7	5	3	-	2-3	7-8	2500	0	1
1006·2	-4	WSW	3	c	57	65	7	8	3	-	9+	9+	2500	1	*
1006·1	-12	SE	2	c	47	95	6	5	-	-	7-8	7-8	1500	1	2
1005·0	-6	WNW	2	ir_o	48	95	7	8	-	-	10	10	1500	1	2
1005·0	-18	E	2	c	49	85	7	5	7	-	9+	10	800	1	*
1004·3	-2	S'W	3	ir_o	53	85	6	6	2	-	9	10	800	1	*
1005·3	-4	SSW	4	ir_o	50	85	7	8	2	-	4-6	10	1500	1	*
1001·5	+2	SSW	5	bc	53	85	7	2	4	8	Tr.	2-3	2500	1	3
997·9	-8	S	5	pr	50	95	6	8	2	-	4-6	10	1500	1	3
1002·4	-4	S	3	c	50	75	7	4	4	-	4-6	10	1500	1	*
1004·8	-10	S'E	4	c	47	85	7	8	9	-	7-8	9+	1500	1	2
1002·2	-20	SSE	5	c	47	95	7	5	7	-	7-8	9+	1500	0	3
1004·7	-2	S	3	c	44	95	7	5	2	-	9	10	1500	0	*
1005·7	+8	WNW	6	q	50	75	8	8	-	-	7-8	7-8	450	0	4
1002·6	+2	W'S	4	bz	54	85	8	2	5	3	1	4-6	2500	0	1
1004·5	0	SW	4	c/pr	56	65	8	8	9	6	4-6	9	2500	1	*
1004·7	-4	W	1	c	57	75	7	5	-	-	7-8	7-8	1500	0	0
1007·8	+4	W'S	4	c	55	65	8	8	-	4	4-6	7-8	2500	1	*
1011·4	+2	SW'W	5	bc	54	75	8	8	-	-	4-6	4-6	2500	1	3
1011·1	+16	NW	4	bc	57	55	9	3	-	-	2-3	2-3	2500	0	4

PAST 24 HOURS.

Weather. 7h.–13h. 8th (37)	13h.–18h. 8th (38)	18h. 8th to 1h. 9th (39)	1h.–7h. 9th (40)
c	cbcc	$cir_o c$	cprpr$_o$bc
$cm_o y$	cy pr$_o$	$cd_o c$	cpr_o
bcc	cycpr$_o$	cbbc	prbc
$cm_o c$	$ccr_o m_o$	ccr_obc	bcbbccpr
ccy	cycid_o	cbc	bcpr
c	$cir_o id_o$	$oid_o c$	cprbw
c	c		p
$cm_o c$	c	or_obc	~~bccrm$_o$~~ bccrm$_o$
ocm_o	cbcm$_o$	b	bc
$cd_o d_o c$	cbcc$_3$bc$_3$	bc	bccocr$_3$
$oid_o c$	$cm_o m_o$	$c_3 o c$	$ccr_o c$
$cd_o c$	cbcm$_o$	cm_opr	cprb
cbc	bcc	$d_o c$	cPR
cbcc	c	c	prbcy
bcc	c	$cd_o cd$	corcp
bcc	cfKfc	c	cpr_obc
$cir_o od_o m_o$	$od_o d_o m_o c$	$cb_o c$	cprbcc
cFFd	Fomc	cbcc	cpr_obc
$d_o$ffc	cbc	bcPq	c
co	cirpr	bcc	cprbc
$cm_o id_o$Fc	cid_oFcbc	bbccqPRc	bcqm$_o$
$cm_o c$	$r_o d_o f$	fcq	r_o
c	$d_o vc$	$r_o$cbc	bcc
bc	bccvr$_o$	$r_o$bcc	cp$_o$q
cbc	bcc	cp_o	cbcp$_o$
prc	bc	cpr	prc
$m_o c$	c	pr$_o$cpr	cprbc
oc	cbcc	$oir_o c$	cbc
c	cir_o	cir_o	c
bcwc	cpr$_o$c	$ccr_o c$	cbcvjp
cfwc	c-ir$_o$	ccr_oR	cr_obcc
bcc	$ccir_o$	cr_oFR	cbcc
c	cirrbc	bcbw	ccr
of-c	cpr	c	c
bc	ir	*	cr
c	c	corc	cbc
c	c	$cr_o r$	$cr_o rc$
c	c	com_o	$occur_o$
irc	pr$_o$cq	pr$_o$cq	pr$_o$cq
cpr	cpr$_o$	cprbc	cpr$_o$
bccr$_o$	cir_obcp$_o$	cp$_o$	cp$_o$
bcc	cpr$_o$c	cp$_o$c	c
cir_o	bcpr$_o$	cpr$_o$	prbc
or_ocbc	bccpr$_o$bc	bccprbc	bccprc
cbcvy⊕	bcvcpc	cbc	

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

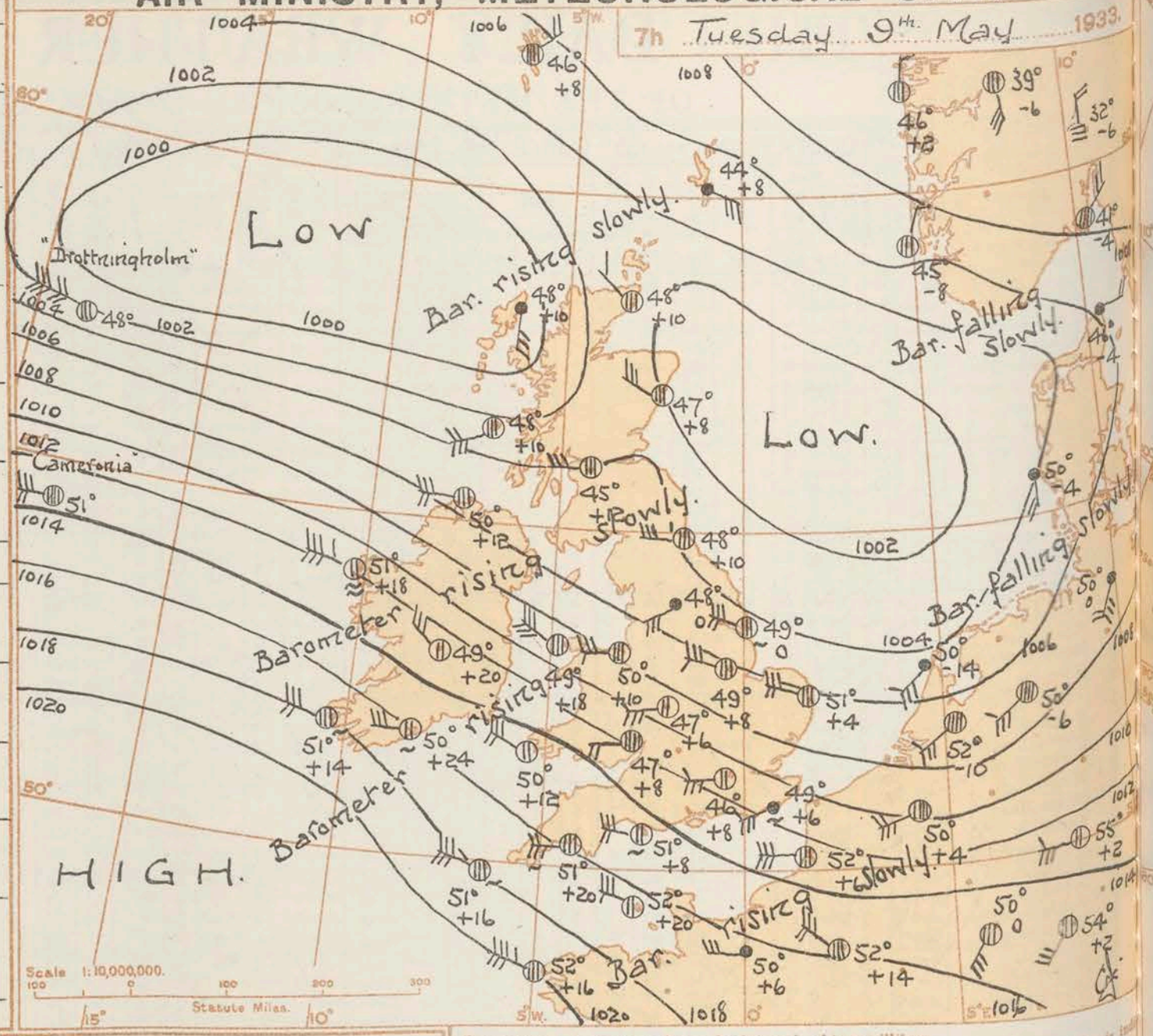
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 8th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 7th. to 9h. 8th.	Temperature. Max. 9h.—17h. 8th.	Rainfall. Night. 17h. 7th. to 9h. 8th.	Rainfall. Day. 9h.—17h. 8th.	Sunshine. Sunrise to 17h. 8th.	Sunshine. Sunrise to Sunset. 7th.
1	Tunbridge W.	oc	bcc	45	64	2	–	4.0	1.3
	Bournemouth	c	co	46	62	–	–	6.0	4.7
	Ventnor ...	xbbc	bcpo	46	58	–	Tr	6.8	7.0
	Southsea ...	bbc	cop$_o$c	46	63	2	Tr	6.0	5.2
	Bognor Regis	bbc	bcpr	47	62	2	Tr	6.3	3.4
	Littlehampton	bc	bcc	46	60	4	–	5.2	2.1
	Worthing ...	bcc	bcc	45	60	1	–	4.9	2.1
	Brighton ...	cbc	cbcc	48	61	1	–	4.3	1.2
	Eastbourne†	bcc	cbcc	48	58	1	–	5.1	3.7
	Hastings† ...	cbc	bc	47	60	0.3	–	4.2	1.7
	Folkestone ...	oc	cbc	48	61	1	–	1.2	0.8
	Dover... ...	cbcc	cbc	49	60	2	–	0.7	0.8
	Deal	o	o	48	62	1	–	0.1	1.5
	Ramsgate ...	oc	c	48	61	–	–	0.1	0.7
	Margate ...	c	c	50	61	–	–	0.3	0.5
2	Southend ...	o	ocbc	49	64	Tr	–	0.7	0.1
	Maldon ...	do	c	53	64	Tr	–	0.4	0.0
	Clacton-on-Sea	cpdc	c	49	61	0.2	Tr	0.5	0.6
	Dovercourt ...	doc	bccbc	49	60	Tr	–	1.1	0.0
	Lowestoft ...	cir$_o$c	b	47	54	7	Tr	0.0	0.0
	Skegness ...	or$_o$oc	cocbc	48	55	2	Tr	0.4	0.0
	Mablethorpe	or$_o$	oc	47	53	2	Tr	0.7	0.0
	Cleethorpes ...	o	oc	48	55	2	–	1.6	0.0
3	Leamington S.	ocbc	bcc	46	60	–	–	1.8	2.2
4	Cheltenham†	cwc	cpom$_o$	47	62	–	Tr	1.6	2.9
5	Bath	cbc	bcc	47	62	–	–	4.5	5.5
	Weymouth ...	bbc	cbcpf	45	59	Tr	0.2	5.2	6.0
	Jersey ...	rcbc	cd	50	56	1	0.1	1.5	5.2
	Torquay ...	prbcw	or$_o$boq	43	59	1	Tr	3.4	5.3
	Penzance ...	om$_o$o	ocbc	49	58	1	Tr	0.7	2.2
	St. Ives ...	pr	c	50	56	2	Tr	1.5	1.7
	Bude	cp$_o$c	c	46	55	–	Tr	0.3	3.4
	Ilfracombe ...	cbc	codc	48	56	–	0.3	2.0	3.2
6	Aberystwyth	c	cod	48	55	–	1	1.3	3.3
7	Llandudno ...	c	bcc	47	60	0.1	–	2.7	3.5
	Colwyn Bay...	bcc	cod	48	62	–	0.3	3.2	3.1
	Rhyl								
8	Wallasey ...	bc	bcp$_o$c	48	59	Tr	Tr	6.0	0.1
	Southport‖ ...	bc	bccd$_o$	49	61	–	Tr	4.9	2.1
	Blackpool ...	cbc	co	49	59	0.1	–	5.7	2.7
	Morecambe ...	bbc	cbbcc	48	58	1	–	7.3	1.2
9	Ilkley... ...	cbc	bcc	49	65	0.5	–	2.6	0.0
10	Berwick-on-T.	o	oc	44	49	3	–	0.9	0.0
11	Dunbar ...	rcm$_o$	bc	44	50	1	–	2.0	0.0
12	Troon... ...	bcc	coro	44	58	–	1	1.7	?
	Douglas ...	cbco	urm$_o$	47	58	–	0.5	4.7	?

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh squally westerly wind, strong locally at first; showers and bright intervals, becoming fair; moderate temperature.
12. S.W. Scotland & Isle of Man 13. ~~N.W. Scotland~~ (A. W Scotld.) 14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands.	Moderate or fresh squally westerly winds, strong locally at first; showers and bright intervals, tending to improve temporarily; moderate temperature. Light or moderate variable wind; cloudy or variable sky, some rain or showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to strong west wind, backing southwest; fair at first apart from local showers, rain spreading eastward later; moderate temperature.

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

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ Temperature is given in degrees F.
Weather Symbols :— ○ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 6/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. ⚡T Thunderstorm.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex depression extending from west of the Hebrides to the North Sea is becoming less deep, and a small wedge of high pressure off West Ireland is moving east. A depression far out on the Atlantic is advancing slowly. There will be showers at most places, followed by a fair interval, except in the extreme North. Conditions will deteriorate before long in the West.

FURTHER OUTLOOK.

Unsettled, especially in the North and West.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0920 G.M.T.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Tuesday,
9TH MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Charts's Projection Scale 1:4x10⁷ along meridian at 55°N

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 9th May 1933.

No. 26.101

OBSERVATIONS at 1 hr. G.M.T. 9th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010.3	-2	WSW	5	c	52	75	7	5	-	-	9+	9+	800
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010.4	-6	WSW	4	bc	50	95	7	4	-	-	4-6	4-6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1007.6	-10	SW'S	2	bc	51	95	6	56	-	-	9+	37/10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1012.6	-6	W	4	c	51	85	7	4	4	-	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1015.5	0	W	5	c	50	95	8	5	7	-	2-3	9+	4000
	Scilly (St. Mary's)	163	1016.6	-2	W'N	6	c/pr	50	95	7	8	-	-	7-8	7-8	1500
	Guernsey ...	175	1015.7	+8	WSW	4	bc	50	95	7	8	1	-	4-6	4-6	2500
6	Pembroke ...	142	1010.0	+2	W	5	q	46	95	7	6	2	-	4-6	7-8	1500
7	Holyhead ...	26	1008.3	-2	W'S	5	bc	48	75	8	5	-	-	2-3	2-3	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005.3	-6	WNW	4	c/pr	53	95	7	3	2	-	4-6	9	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1003.4	-6	WSW	2	c	51	85	7	6	-	-	7-8	7-8	1500
11	Inchkeith ...	190	1004.0	-2	W	3	c6	47	95	7	8	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	997.6	-6	SSW	3	c	47	85	8	8	4	-	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1001.3	-2	S	3	r6	46	95	7	8	1	-	7-8	10	1500
16	Lerwick ...	54	1003.7	0	S	4	0	45	95	6	5	-	-	10	10	800
17	Blacksod Point	18	1006.1	+16	WNW	7	q	50	75	8	8	-	-	9	9	450
18	Malin Head ...	52	1002.5	0	SW	3	bc	46	95	8	3	8	-	4-6	4-6	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.7	-26	W'N	7	c/ph(r)	49	95	8	8	-	-	7-8	7-8	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 9th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1011.3	+14	W'S	3	bc/pr	48	85	8	8	4	1	4-6	4-6	2500	1	*
1011.1	+8	W	4	bc/pr	46	85	7	8	4	-	2-3	4-6	1500	1	*
1011.4	+8	W'N	4	bc	50	75	8	9-1	3	-	4-6	4-6	1500	1	*
1012.5	+14	W	5	c	48	75	8	9-5	-	-	7-8	7-8	1500	1	*
1012.3	+16	WNW	4	c	48	85	7	5	-	-	9	9	800	1	*
1012.7	+18	W	4	bc	50	75	7	5	-	-	4-6	4-6	1500	0	*
*	*	SW	5	q	*	*	6	9	-	*	7-8	7-8	1500	*	4
1010.5	+6	W'S	4	c/r	49	75	6	5	-	-	10	10	1500	1	*
1009.3	+8	W	5	c	50	75	7	5	7	-	4-6	7-8	2500	0	*
1008.6	+16	W'N	4	rr	49	85	6	6	-	-	10	10	800	1	2
1005.9	+4	W'N	5	c	51	85	6	8	-	-	7-8	7-8	1500	1	2
1007.5	+8	W'N	4	c	49	85	6	8	7	2	4-6	9	1500	1	*
1009.8	+6	W	4	bc	47	75	8	1	7	1	2-3	4-6	1500	1	*
1010.9	+16	W	4	bc	47	85	8	7	7	8	2-3	4-6	1500	1	*
1011.2	+8	W	2	o/pr	47	85	8	6	-	-	10	10	2500	1	*
1013.8	+8	W'N	5	bc	51	75	7	4	-	-	4-6	4-6	1500	0	4
1016.1	+16	WNW	5	c/p	51	75	8	3	-	8	9+	9+	1500	1	3
1018.0	+20	W	5	c	51	85	8	3	4	-	4-6	7-8	2500	1	4
1018.7	+16	WNW	6	c	51	85	7	-	-	-	7-8	7-8	4000	1	4
1017.1	+20	WNW	4	bc	52	85	7	-	3	-	0	2-3	-	0	3
1013.2	+12	WNW	5	q	50	85	6	4	6	2	2-3	4-6	1500	1	3
1010.1	+18	WNW	6	c/r	49	85	7	6	1	3	2-3	9+	800	1	*
1009.0	+10	W	4	o/p	50	75	7	8	-	6	7-8	7-8	2500	1	*
1008.1	+10	WNW	5	c/pr	47	85	8	9	1	-	7-8	9	2500	0	*
1006.6	0	WSW	3	r6	48	75	9	3	3	3	1	4-6	4000	1	*
1005.2	0	W'N	5	c	49	95	6	5	2	3	2-3	7-8	1500	2	4
1005.7	+12	W	3	c	49	75	7	5	7	-	4-6	9	2500	1	*
1003.8	+10	W	3	bc	48	85	6	4	4	-	4-6	4-6	4000	1	1
1004.6	+8	WSW	3	c	45	95	6	5	6	-	4-6	7-8	2500	0	2
1004.0	+12	W	3	b/r/p	49	75	9	8	-	4	4-6	4-6	2500	1	*
1004.9	+6	WSW	3	c/pr	48	85	8	6	7	-	9	10	1500	1	*
1005.4	+12	W	3	c	45	85	8	5	-	-	7-8	7-8	1500	1	*
1002.7	+10	SW'W	5	c	48	85	7	5	1	-	7-8	10	1500	1	2
998.8	+10	S	3	cd	48	95	8	8	6	-	7-8	9+	1500	1	01
1004.1	+8	S	2	c	45	75	7	4	1	-	2-3	9	1500	0	*
1003.0	+8	WNW	3	c	47	85	7	5	3	8	2-3	7-8	4000	1	1
1002.5	+10	NW	1	c	48	95	7	6	1	8	4-6	9+	1500	1	2
1005.0	+8	SEE	3	c6	44	95	7	5	-	-	10	10	800	0	*
1010.5	+18	WNW	7	q	51	65	8	3	-	-	4-6	4-6	800	0	5
1004.9	+12	W	5	c	50	85	7	5	7	-	7-8	9+	1500	1	2
1007.8	+16	W'S	4	c	47	85	8	5	3	3	2-3	9+	1500	1	*
1007.9	+12	W	2	c	49	75	8	5	-	-	7-8	7-8	1500	0	1
1012.5	+20	NW	3	bc	49	85	8	3	4	-	2-3	2-3	2500	1	*
1010.0	+14	W'N	5	c	51	75	8	8	-	8	4-6	7-8	1500	1	4
1015.9	+24	W	3	bc	50	75	8	3	-	9	2-3	4-6	1500	0	4

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine Hrs. (36)
65	47	44	-	1	4.1
65	47	44	Tr.	1	2.2
61	46	44	Tr.	01	5.0
63	45	43	Tr.	02	4.7
62	43	40	Tr.	03	4.2
61	46	45	-	04	5.1
61	49	*	-	Tr.	*
60	46	44	-	Tr.	2.3
64	47	46	-	-	0.8
59	48	48	Tr.	Tr.	0.7
53	48	46	0.2	04	0.3
61	46	43	Tr.	06	2.2
64	44	41	Tr.	2	4.1
65	43	42	-	03	*
63	44	39	-	2	3.1
55	47	*	04	Tr.	*
57	48	44	04	1	1.0
54	48	*	02	01	*
56	47	*	03	05	4.7
57	48	46	04	1	1.7
52	44	*	1	1	3.5
56	47	43	01	03	1.6
56	46	42	Tr.	Tr.	4.9
58	45	43	Tr.	01	4.1
60	45	41	-	Tr.	1.3
54	46	*	Tr.	03	1.4
60	45	42	-	52	1.8
53	46	43	-	05	*
53	45	143	0.3	1	3.6
53	45	41	Tr.	1	4.4
62	42	37	0.5	6	1.8
60	41	39	0.1	3	4.9
55	44	41	1	04	2.7
54	46	*	-	1	3.5
60	45	42	-	2	1.6
53	46	43	-	1	*
59	46	43	-	2	0.0
56	47	*	1	2	*
56	44	*	1	1	3.7
58	42	38	-	1	1.7
59	42	*	0.1	01	*
60	43	38	0.2	2	4.9
57	46	43	0.2	2	7.2
61	46	*	0.2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	c	c6cc	cu/pr/b6	65	47	44	-	1	4.1	*	*	7
Croydon	217	cu-c	cu	cd/pr6	65	46	44	Tr.	1	2.2	*	*	8
Greenwich (Royal Observatory) ...	149	c	cu	c6cp	68	46	43	-	0.5	2.2	57	69	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	65	46	45	0.7		2.2	56	64	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	65	46	45	1		2.1	58	66	*
Camden Square	110	c	c	*	66	47	45	-	0.5	*	*	65	*
Kensington	80	bc	bc	*	66	46	43	-	1	2.1	At 18h. 57	65	*
Hampstead Observatory	460	bc6	o	*	64	44	39	Tr.	0.4	2.4	*	42	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 8th May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.2	W	5	c	61
Brussels	1011.4	WSW	3	c	52
Berlin					
Zürich	1015.4	SSW	2	c/pr	48
Rome	1009.0	SSW	4	c	55

7h. G.M.T. 9th May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1016.2	NE	5	c	52
1010.7	WSW	5	0	50
1010.3	SSW	2	3c	54
1017.8	SSW	1	c6	50

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
64	50	-	-
54	43	1	4
	52		Tr
59	46	5	0.5
		4	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 9th.

South Kensington. Max.	Time.	Min.	Time.
0.3	7h-9h 8th	Nil	23h 8th to 5h 9th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	15h 8th	0.1	13h. 23h. 8th

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 10th May 1933.

No. 26102

OBSERVATIONS at 13h. G.M.T. 9th May

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1012·6	+4	WNW	4	c/pr	57	88	8	8	-	-	9	9	1500
	Croydon	1012·9	+6	W	4	bc/pr	53	78	8	9	3	-	2-3	4-6	2500
	S. Farnborough	1013·1	+6	W'N	5	bc/pr$_o$	58	88	8	8	-	3	4-6	4-6	2500
	Winchester	1014·3	+8	WNW	5	c/phr	55	68	8	8	-	-	7-8	7-8	4000
	Boscombe Down	1014·6	+12	W'N	5	c/pr$_o$	53	78	7	9	-	-	9	9	1500
	Calshot, S'thmtn	1014·3	+6	W	6	bc	57	88	8	8	4	-	2-3	2-3	2500
	Dungeness	*	*	WNW	4	pr	*	*	7	7	-	*	7-8	7-8	1500
	Lympne	1012·6	+6	W'N	4	bc/pr	54	78	8	8	-	-	4-6	4-6	4000
2	Shoeburyness	1011·2	+2	WNW	5	c	56	88	7	8	7	-	7-8	9+	2500
	Felixstowe	1010·5	+6	W	4	c	57	88	8	8	-	-	9	9	2500
	Gorleston	1008·0	+4	W	4	bc/pr	55	68	6	8	-	-	4-6	4-6	2500
	Cranwell	1010·7	+20	WNW	4	c/r	51	78	7	8	-	-	10	10	1500
3	Birmingham	1011·7	+8	WNW	45	c/pr	51	78	8	9	-	-	7-8	7-8	1500
	Upper Heyford	1012·3	+6	W	4	c/pr	54	85	8	8	-	2	4-6	9	2500
4	Ross-on-Wye	1013·8	+8	W'N	6	q	57	88	8	2	-	9	2-3	2-3	4000
5	Portland Bill	1017·2	+10	WNW	5	c	54	85	7	2	-	-	7-8	7-8	2500
	Plymouth	1018·7	+10	WNW	6	q	57	88	8	8	-	4	7-8	9+	2500
	The Lizard	1021·1	+10	W'N	5	c	54	78	8	8	1	-	4-6	4-6	2500
	Scilly (St. Mary's)	1022·0	+6	W'N	5	bc	56	78	7	2	4	2	1	4-6	4000
	Guernsey	1020·2	+14	W	5	bc	56	78	7	1	1	1	2-3	4-6	2500
6	Pembroke	1016·5	+4	W	4	q	52	78	67	7	8	1	1	2-3	4000
7	Holyhead	1012·7	+4	W'S	5	bc	55	68	8	2	6	3	1	4-6	2500
	Chester (Sealand)	1011·6	+8	W	7	c	56	88	8	4	-	6	4-6	7-8	2500
8	L'pool (Bidston)	1011·0	+6	NW	6	q	53	68	8	1	1	6	1	4-6	2500
9	Harrogate	1008·0	+6	W	4	bc/pr	52	78	7	3	3	3	1	4-6	2500
10	Spurn Head	1006·7	+4	NW'N	7	pr	50	88	6	3	2	-	7-8	9+	2500
	Catterick	1007·7	+6	W	4	pr	49	78	8	8	-	1	7-8	7-8	1500
	Tynemouth	1005·6	+6	W	3	c/pr	52	88	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1005·4	+4	W	4	c	50	78	8	8	-	-	9+	9+	2500
12	Leuchars	1004·8	+2	W	4	cjp	60	88	9	3	6	8	4-6	7-8	2500
	Renfrew (Abbotsl)	1006·7	+6	WSW	5	pr$_o$	50	88	7	8	-	-	9+	9+	1500
	Eskdalemuir	1007·0	+10	W	5	c	48	78	9	8	-	-	9+	9+	1500
13A	Tiree	1004·7	+10	SW'W	5	ir$_o$	49	88	6	6	1	-	9	10	1500
13B	Stornoway	1001·3	+10	S	3	c	50	88	7	8	6	-	4-6	9	1500
15	Dalwhinnie	1004·5	+4	S	2	c	53	88	8	4	1	3	4-6	10	2500
	Aberdeen	1004·2	+6	NE	3	c	51	68	8	8	-	8	7-8	9	4000
	Wick	1004·0	+14	NE	3	c	48	98	7	8	1	8	7-8	9	2500
16	Lerwick	1007·1	+12	E'S	3	r$_o$r$_o$	45	98	6	6	2	-	4-6	10	800
17	Blacksod Point	1011·9	-4	WNW	7	q	54	68	8	2	-	-	4-6	4-6	800
18	Malin Head	1006·7	+6	W'S	5	pr$_o$	51	98	7	8	7	-	7-8	9+	1500
	Aldergrove	1009·8	+10	W	5	c/pr	53	78	8	8	-	-	9+	9+	1500
	Donaghadee	1009·7	+8	W	3	c	53	68	8	5	-	-	7-8	7-8	1500
19	Birr Castle	1013·8	+4	NW	5	c	54	88	8	8	-	-	7-8	7-8	2500
20	Valentia Obsy.	1018·9	0	WSW	5	ir$_o$	51	98	7	5	2	-	7-8	10	1500
	Roches Point	1017·5	+10	W	5	c	55	68	8	3	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 9th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1013·5	+4	WSW	4	bcjp	56	88	8	3	-	-	4-6	4-6	2500	1	*
1013·2	-2	W	5	bc/pr$_h$	55	68	8	8	3	-	2-3	2-3	2500	1	*
1015·0	+14	WNW	4	pr	52	78	6	9	-	-	9+	9+	1500	1	*
1015·1	+2	W'S	4	bc	54	88	8	8	4	-	2-3	2-3	4000	1	*
1015·1	-2	W'N	5	bc	52	68	8	7	-	-	2-3	2-3	2500	0	*
1015·1	+4	W'S	5	bc/pr$_o$	56	88	8	8	-	-	2-3	2-3	2500	0	2
*	*	WNW	3	c/TLR	*	*	7	3	8	*	4-6	7-8	800	*	3
1013·7	-2	W'S	3	c	52	78	8	3	4	3	2-3	7-8	4000	1	*
1012·2	-6	WNW	4	bc	57	68	8	8	4	3	2-3	4-6	4000	1	*
1011·6	+4	W'N	4	bc	57	88	9	8	3	6	4-6	4-6	4000	1	2
1009·7	+10	NW'N	2	c	50	85	6	8	-	-	7-8	7-8	2500	0	2
1010·0	0	WNW	5	c	52	68	8	-	7	-	0	9	-	1	*
1012·1	+2	WNW	4	c	54	88	8	8	-	4	4-6	7-8	1500	1	*
1012·9	-2	W'N	4	pr	54	88	9	8	7	1	9	9+	2500	1	*
1013·5	0	WNW	4	cjp	54	88	9	8	-	1	7-8	7-8	4000	0	*
1016·7	-6	W'N	5	bc	53	85	7	5	-	1	4-6	4-6	2500	0	4
1018·6	-2	W	6	ir$_o$	52	85	8	6	2	-	7-8	10	1500	1	4
1019·9	-8	W'N	5	r$_o$r$_o$	50	95	7	6	-	-	10	10	1500	1	3
1020·5	-8	W	6	c/pr$_o$	52	95	7	8	2	-	7-8	9+	2500	1	4
1020·2	-4	W'N	5	bc	57	78	7	-	3	-	0	4	-	0	4
1014·2	-8	W	4	c	50	85	6	7	7	4	4-6	7-8	2500	0	3
1012·0	-6	W'S	5	c	53	68	8	4	1	-	1	9+	4000	1	2
1011·3	-2	W'S	4	c	55	88	8	4	-	6	4-6	7-8	4000	1	*
1011·0	-4	NW	4	bc	53	68	8	1	4	6	1	4-6	2500	0	*
1008·8	0	WSW	4	bc	52	68	8	8	8	9	1	2-3	4000	1	*
1007·6	0	NW	7	q	52	78	6	3	2	8	2-3	7-8	2500	1	5
1007·8	0	W'S	2	c	53	68	8	4	4	3	4-6	7-8	2500	1	*
1006·0	+4	WNW	3	bc	54	68	7	9	-	-	4-6	4-6	2500	1	1
1006·0	+2	WSW	4	c	50	78	8	8	9	6	4-6	9+	4000	0	3
1005·2	+8	W	4	cjp	55	68	9	9	-	6	2-3	9	1500	0	*
1007·1	+4	SW'W	5	c/pr$_o$	49	85	7	8	-	-	9+	9+	1500	1	*
1007·7	0	W	4	c/pr$_o$	48	78	8	8	-	-	9+	9+	1500	1	*
1004·3	-2	S	3	bc	52	85	7	5	8	2	2-3	4-6	2500	1	5
1003·8	+16	E	2	bc	52	85	8	8	6	-	4-6	4-6	1500	1	*
1006·0	+4	-	0	c	49	78	8	4	4	-	4-6	10	2500	0	*
1005·8	+10	E'N	1	c	48	85	8	8	7	-	7-8	9	4000	1	*
1006·3	+8	NE	3	ir$_o$	46	95	7	8	1	-	7-8	10	1500	1	2
1008·6	+12	E'S	2	c/d	45	95	7	5	2	-	4-6	10	800	1	*
1012·3	0	WNW	7	q	52	78	7	8	-	-	10	10	<150	0	5
1005·4	-14	W'S	5	r$_o$r$_o$	49	95	6	8	2	-	9+	10	450	1	4
1009·4	-6	W'S	5	ir$_o$	49	78	7	5	-	-	10	10	1500	1	*
1009·6	-2	W	3	c/pr$_o$	51	68	8	5	2	-	4-6	7-8	1500	0	1
1013·0	-4	NW	5	c	53	78	8	8	-	-	7-8	7-8	2500	1	*
1019·0	+2	WSW	5	c	53	85	7	5	-	-	9+	9+	800	1	3
1016·4	-8	W	4	ir	53	95	7	6	-	-	9	9	1500	1	5

PAST 24 HOURS.

Weather. 7h.–15h. 9th (37)	Weather. 15h.–18h. 9th (38)	Weather. 18h. 9th to 1h. 10th (39)	Weather. 1h.–7h. 10th (40)
ccpr	ccpbc	p$_o$bc	bc
ccpiq	bc'yprhq	c	cr$_o$r$_o$bc
bcpr$_o$q	bcy+pcy	pr bc	bcb$_o$c
cpr$_o$cp$_o$h	cbc	bcc	cbc
cpr$_o$	cprbcb	pc bbcc	cpc cbcc
cp$_o$bcqy	bcqypr$_o$	bcc	cbc
c	TLR	o	o
cpr$_o$	cprtlhrpr	bccv	bcopr$_o$
bcc	crtRqbc	ctlrbc	bcc
orr3$_o$bccq	cyqrhp$_o$bc	cp$_o$ql	cp$_o$
cq	ccrc	cqc	cqor$_o$
cpr$_o$r$_o$r$_o$	cm$_o$c	cb	b$_o$cr$_o$
qpr	bcpr$_o$	bc	bccor$_o$
cvprh	cpRqy	ctcpr$_o$	cpr$_o$bcw
p$_o$cp$_o$bcq	bcqyp$_o$bc	cmpc	c
bcc	c	ir$_o$rrir	irrrr
cjpqy	cqyir$_o$	cr$_o$	cbcc
cbc	berro	rrc	cqbcq
cbc	bccp$_o$	c	cp
bc	bccbc	oir$_o$	oc
bcqbbc	bcqm$_o$c	cir$_o$qrrc	cRRqm$_o$c
cbc	bcc	cr$_o$cq	rcrc
cprc	qbcc	c	ccd$_o$
cr$_o$pq	qbc	c	cpr$_o$o
cbcp	bcbp$_o$	b	bbcc
cqtlpr	qthprc	cbcc	crr
cpr	c	cbc	bcc
bcp	cpbcq	bcpc	cour$_o$
c	cq	c	c
bcjpv	cb	cwir$_o$c	ccir$_o$c
cjp pr$_o$	cpr$_o$	cpr$_o$c	cwm$_o$
cpr$_o$c	cpr$_o$	cpr$_o$cd$_o$	c
cir	cir$_o$	bcbw	bw
cbcpr$_o$	cid$_o$bc	bc	bcc
c	c	*	c
bc	c	cd$_o$or$_o$	cr$_o$
c	cir$_o$	cir$_o$	c
cir$_o$r$_o$m$_o$	cr$_o$id$_o$m$_o$	cir$_o$	c
bcq	cq	cq c/pr	cbc
cpr$_o$	cr$_o$r	cpr$_o$	cpr$_o$
cpr	cpr$_o$	cir$_o$	cr$_o$
c	cpr$_o$	cpr$_o$c	c
bcpr$_o$cy	cprc	c	c
ccir$_o$	cr$_o$r$_o$c	c	cbcwb
bcp$_o$c	cir	ccrc	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⩘ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

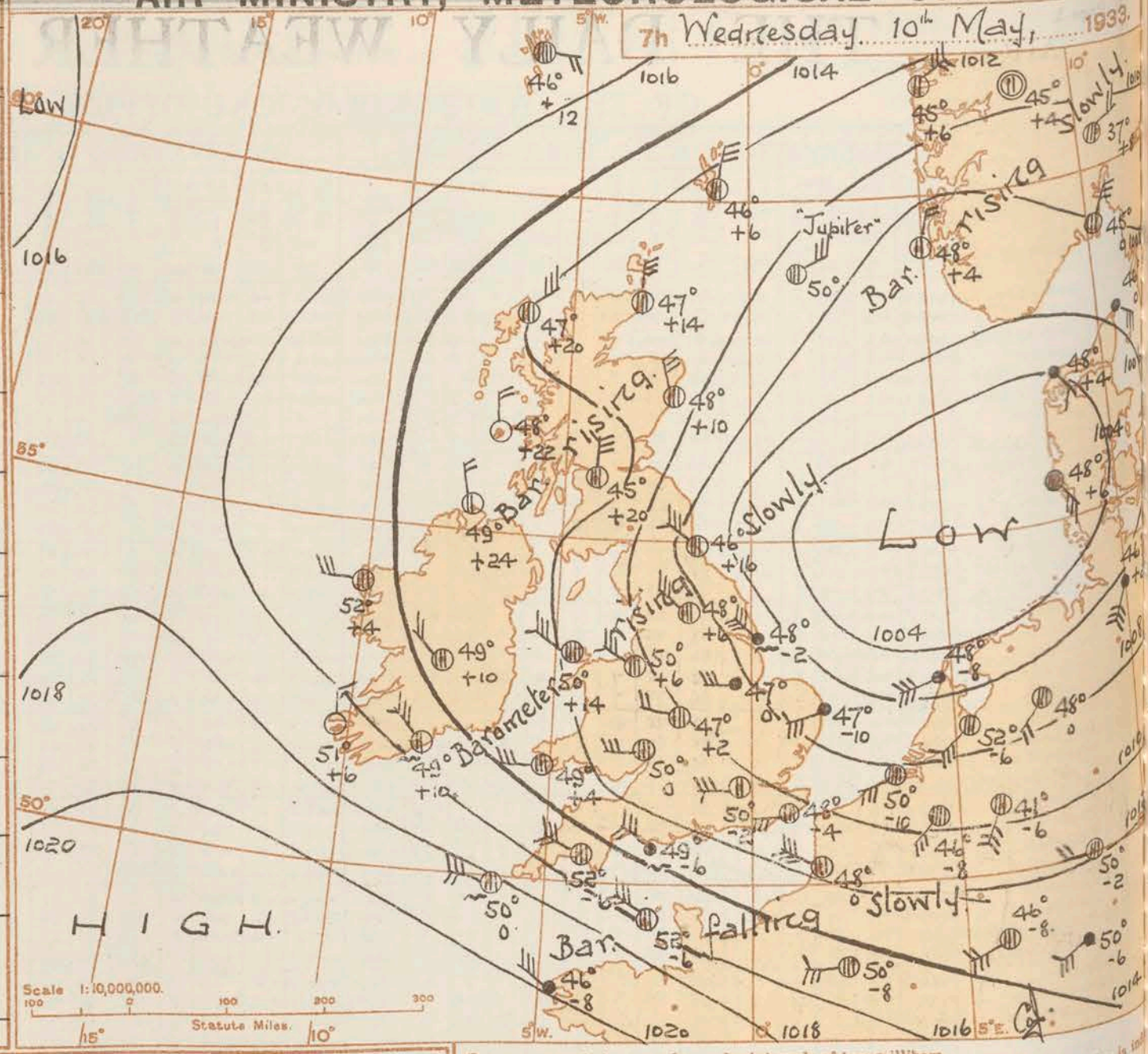
REPORTS from HEALTH RESORTS for 9th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 8th to 9h. 9th	Temperature. Max. 9h.—17h. 9th	Rainfall. Night 17h. 8th to 9h. 9th	Rainfall. Day. 9h.—17h. 9th	Sunshine. Sunrise to 17h. 9th	Sunshine. Sunrise to Sunset. 8th
1	Tunbridge W.	bcop	tpcbc	45	60	1	2	6·0	4·0
	Bournemouth	b	b	45	61	1	-	9.0	6·0
	Ventnor ...	rbcpb	bbcc	46	59	1	0·3	10·5	6·8
	Southsea ...	cb	b	47	60	0·3	-	9.4	6·0
	Bognor Regis	bcpr	bcprb	48	60	1	1	8·1	6·5
	Littlehampton	bcp	bcpbc	48	60	0·1	1	7.0	5·3
	Worthing ...	bccpc	bccpc	49	61	Trace	0·3	7.6	4·9
	Brighton ...	cbcp	cp bc	49	60	-	0·2	6·7	4·3
	Eastbourne†	cpc	cpcptc	49	58	0.4	0.6	7.6	5·1
	Hastings† ...	bccpc	copclto	48	58	0.3	2	6·1	4.4
	Folkestone ...	r.bc	bctlp	48	58	0.1	7	5·9	1·2
	Dover... ...	bc	bctlrtc	48	58	Trace	3	5·8	1·6
	Deal	bcopb	pbcc	48	59	-	0·3	6.4	0.1
	Ramsgate ...	cbc	bccpbc	47	59	0·5	0.4	5·2	0·1
	Margate ...	bc	ctrbc	48	59	0.4	1	7.0	0.5
2	Southend ...	bc	btlrq	48	59	Trace	2	6.6	1·0
	Maldon ...	rcb	bcpb	48	58	0·3	1	5·5	0·9
	Clacton-on-Sea	cpc	cpcbc	47	59	0·2	3	5·0	0·5
	Dovercourt ...	bcpbc	tldbc	47	58	2	1	3·9	1.4
	Lowestoft ...	prbc	bcpr	48	60	0·5	1	3.0	0·0
	Skegness ...	obco	otlrc	47	58	Trace	0·6	4·1	0.7
	Mablethorpe	c	cr	46	57	1	1	5·1	0·9
	Cleethorpes...	bctlp	pc	47	58	0.4	11	4·6	2·1
3	Leamington S.	bcpr	btlh	45	57	1	3	6·8	4.4
4	Cheltenham†	cmpbc	bccru	43	60	2	0·5	5·9	1·6
5	Bath	cbc	cbcpb	47	59	4	0·3	7.0	4·5
	Weymouth ...	bcb	b	47	60	Trace	-	9.5	5·2
	Jersey ...	pcbc	bc	50	57	0·3	-	10·5	1·5
	Torquay ...	pbcq	bcqbcqy	48	59	Trace	-	10·3	4·3
	Penzance ...	cbc	bcr	45	57	1	1	8·2	1·9
	St. Ives ...	b	bccor	47	55	1	Trace	7·8	3·3
	Bude	cbc	bcc	47	54	Trace	-	8·1	1·5
	Ilfracombe ...	cbcb	bbc	47	55	2	-	7·9	2·0
6	Aberystwyth	cprbc	bcbbc	47	54	4	-	6·9	1·7
7	Llandudno ...	cbc	bc	46	56	1	-	5·0	2·9
	Colwyn Bay...	rbc	bcc	46	58	1	-	5·9	3.4
	Rhyl								
8	Wallasey ...	cr.c	bc	47	57	0·3	-	4·2	6.0
	Southport‖ ...	cbc	bcc	47	66	1	-	3·2	4·9
	Blackpool ...	cpcp	c.	47	55	2	0·1	2·1	5·7
	Morecambe ...	rpcb	cbbcc	47	54	3	Trace	2·3	7·3
9	Ilkley... ...	cprc	bcc	44	56	2	1	2·9	2·6
10	Berwick-on-T.	c	cbc	44	56	2	-	4·6	1·2
11	Dumbar ...	r bc	bc	46	56	0·3	-	5·6	2·1
12	Troon... ...	rorro	rocor	46	52	7	2	0.3	1·8
	Douglas ...	cbqcid	cidcbq	43	55	2	Trace	3·0	4·7

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday 10th May, 1933.



Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— Temperature is given in degrees F.
Weather Symbols :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh west to northwest wind, probably veering north; mainly cloudy, some showers, heavy locally, with perhaps local thunder today; moderate to rather low temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Moderate northwest to north wind, fresh locally at first; cloudy, some showers, bright intervals, improving; moderate temperature.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate to light northerly wind; cloudy, local showers, becoming mainly fair; rather cool.
12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland	Light northerly to variable wind; fair; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	As 8 - 11.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light northwest or north to variable wind; mainly fair but local showers; moderate temperature.

GENERAL INFERENCE.

A depression persists over the North Sea and the remains of the depression which was off the Hebrides yesterday is moving southeast over England as a secondary trough. A ridge of high pressure is developing off the Hebrides and tending to move southeast. Showers will occur widely, especially in the southeast, but there will be an improvement in the North and West.

FURTHER OUTLOOK.

None issued.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0930 G.M.T.

H.M. Stationery Office Press, Kingsway W.C.2
Pp 7551/2573 Wt. 47. D.6001. Gp. 398. 23560. 5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
WEDNESDAY
MAY 10th
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 10th May 1933.

No. 26102

OBSERVATIONS at 1 hr. G.M.T. 10th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1012·6	-14	SW'W	4	c	47	85	7	5	7	-	2·3	9+	2500
	S. Farnborough	207	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1012·5	-18	W	4	c	45	85	9	5	7	-	4·6	9	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1009·4	-10	WSW	4	c	47	85	7	-	3	-	0	7·8	-
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1015·1	-10	NW	4	cr	50	95	8	8	-	-	9+	9+	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1018·8	-4	W'N	5	c	50	85	7	8	-	-	10	10	2500
	Scilly (St. Mary's)	163	1019·7	-4	W	6	c	51	95	6	5	-	-	9+	9+	2500
	Guernsey	175	1018·6	-8	WNW	5	o	50	95	7	5	-	-	10	10	2500
6	Pembroke	142	1014·8	+4	WNW	2	rr	48	95	6	9	-	-	9+	9+	1500
7	Holyhead	26	1011·1	-14	W	5	cr	49	85	6	6	7	-	9+	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1007·0	- 2	WNW	6	c	48	85	6	6	7	-	4·6	7·8	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1006·4	- 2	WNW	3	c	48	85	7	6	-	-	7·8	7·8	1500
11	Inchkeith	190	1008·1	+6	W	3	c	46	95	7	5	-	-	7·8	7·8	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1008·5	+12	N	3	bc	46	95	8	8	6	-	2·3	4·6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1009·9	+12	NNE	3	c/r	46	95	8	6	2	-	4·6	10	1500
16	Lerwick	54	1010·7	+6	NNE	3	c	45	95	7	5	2	-	4·6	9+	1500
17	Blacksod Point	18	1013·4	+4	WNW	5	q	50	85	7	8	-	-	9+	9+	220
18	Malin Head	52	1007·6	+20	N'W	2	c	49	95	6	8	2	-	9+	10	450
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1011·7	-20	W'N	5	c	51	95	8	5	-	-	10	10	4000
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1010·8	0	W	3	c	51	75	8	8	3	-	4-6	7-8	2500	1	*
	Croydon	1011·0	-2	W	4	c	50	75	8	7	3	-	7-8	7-8	2500	1	*
	S. Farnborough	1011·6	0	W	4	c	52	75	8	5	3	-	7-8	9	5700	1	*
	Winchester	1011·9	0	WSW	4	bc	49	85	7	5	7	-	2-3	4-6	2500	1	*
	Boscombe Down	1012·2	+4	WNW	4	c	50	85	7	5	3	-	9	9+	1500	0	*
	Calshot, (S'thmtn)	1012·5	+2	W'S	4	bc	50	75	8	8	4	-	4-6	4-6	2500	0	2
	Dungeness	*	*	WSW	3	c	*	*	7	4	7	*	4-6	7-8	1500	*	3
	Lympne	1010·6	-4	W	3	c	48	95	8	5	3	-	4-6	7-8	1500	1	*
2	Shoeburyness	1009·7	-4	WNW	4	c	50	85	7	5	7	-	7-8	9+	1500	1	*
	Felixstowe	1008·9	-2	W	4	pc	49	85	7	5	1	-	7-8	10	1500	1	2
	Gorleston	1006·7	-10	WSW	4	cc	47	85	6	6	-	-	10	10	1500	1	2
	Cranwell	1008·7	0	W	3	cc	47	95	6	5	2	-	9	10	2500	1	*
3	Birmingham	1010·7	+2	WNW	2	c/r	47	95	6	6	-	-	9+	9+	1500	1	*
	Upper Heyford	1010·9	+2	W	3	c	49	85	8	5	-	-	9+	9+	2500	1	*
4	Ross-on-Wye	1011·6	0	W	3	c	50	75	8	5	-	-	9+	9+	4000	0	*
5	Portland Bill	1013·1	-6	NW	5	cr	49	95	7	5	-	-	9	9	1500	1	4
	Plymouth	1015·7	-4	WNW	5	c	52	85	7	8	9	1	7-8	7-8	1500	1	3
	The Lizard	1017·6	0	W	5	q	51	85	8	8	7	-	2-3	4-6	4000	1	3
	Scilly (St. Mary's)	1018·2	0	W'N	5	c/pr	50	95	7	7	-	-	9	9	1500	1	4
	Guernsey	1016·6	-6	WNW	5	c	52	85	7	8	-	-	7-8	7-8	2500	0	3
6	Pembroke	1012·9	+4	W	3	c	49	95	6	3	6	-	4-6	7-8	800	1	3
7	Holyhead	1011·9	+14	NW'W	4	c	50	95	7	6	6	-	10	10	1500	1	3
	Chester (Sealand)	1010·8	+6	WNW	4	c/d	50	95	6	6	2	-	9	9+	800	1	*
8	L'pool (Bidston)	1010·5	+6	NW	4	o	49	95	8	6	-	-	10	10	1500	1	*
9	Harrogate	1009·1	+6	NW'W	3	c	48	75	7	6	3	-	7-8	10	2500	1	*
10	Spurn Head	1006·1	-2	NW'N	6	rr	48	95	7	6	7	-	7-8	9+	2500	1	4
	Catterick	1009·6	+18	NW	4	c	48	85	7	5	-	-	9+	9+	2500	1	*
	Tynemouth	1009·0	+16	NW	4	o/r	46	95	6	6	-	-	10	10	1500	1	3
11	Inchkeith	1011·5	+16	NE	2	c	46	95	8	8	-	-	10	10	1500	0	2
	Leuchars	1012·0	+20	N	3	c	48	85	8	5	-	-	9+	9+	1500	1	*
12	Renfrew (Abbotts L)	1012·1	+22	W	1	3o	45	95	6	5	-	-	9+	9+	1500	1	*
	Eskdalemuir	1011·1	+20	N'E	4	c	45	85	8	5	-	-	10	10	1500	1	*
13A	Tiree	1013·2	+22	NW	2	b	48	95	7	5	4	-	1	1	1500	0	3
13B	Stornoway	1012·0	+20	NE	3	c	47	95	7	8	7	-	4-6	7-8	1500	0	1
15	Dalwhinnie	1013·3	+20	E	2	c	45	85	7	4	1	-	4-6	10	1500	0	*
	Aberdeen	1011·8	+10	NNW	3	c	48	95	8	9	3	-	7-8	9	1500	1	1
	Wick	1012·6	+14	N	3	c	47	95	8	8	1	-	9	10	1500	1	2
16	Lerwick	1011·6	+6	NE'N	3	c	46	95	7	5	2	-	7-8	9+	800	0	*
17	Blacksod Point	1015·0	+4	W	3	c	52	85	8	-	5	-	0	7-8	-	0	3
18	Malin Head	1012·9	+24	NNE	2	bc	49	95	7	5	-	3	2-3	2-3	450	0	2
	Aldergrove	1012·3	+20	NNE	2	c/r	49	95	7	8	-	-	9+	9+	1500	1	*
	Donaghadee	1012·6	+24	NNE	2	c	49	85	8	5	2	-	4-6	7-8	1500	0	1
19	Birr Castle	1013·8	+10	NW	2	c	49	85	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1017·3	+6	N	1	b	51	95	8	1	-	-	1	1	1500	1	3
	Roches Point	1015·8	+6	NW	4	bc	49	85	8	3	-	-	4-6	4-6	2500	0	4

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 9h Hrs. (36)
1	London (Kew)	60	48	44	2	Tr.	8·0
	Croydon	60	47	44	1	Tr.	7·3
	S. Farnborough	63	45	37	Tr.	1	9·2
	Winchester	58	44	42	1	-	8·8
	Boscombe Down	57	43	39	1	-	8·1
	Calshot, (S'thmtn)	60	46	41	Tr.	-	9·9
	Dungeness	58	46	*	5	Tr.	*
	Lympne	56	43	40	2	Tr.	5·2
2	Shoeburyness	60	47	44	2	0·2	7·9
	Felixstowe	57	45	44	3	0·1	3·4
	Gorleston	58	44	42	1	0·1	4·2
	Cranwell	55	46	43	1	Tr.	4·5
3	Birmingham	57	45	43	2	0·4	7·8
	Upper Heyford	59	45	39	2	0·2	*
4	Ross-on-Wye	58	46	42	0·1	Tr.	7·2
5	Portland Bill	56	47	*	-	8	*
	Plymouth	57	49	48	Tr.	0·2	9·3
	The Lizard	55	49	*	0·6	Tr.	*
	Scilly (St. Mary's)	56	50	*	0·4	0·5	8·2
	Guernsey	57	50	48	-	0·5	12·7
6	Pembroke	52	45	*	-	11	10·7
7	Holyhead	56	48	45	-	4	7·7
	Chester (Sealand)	58	48	47	0·2	0·1	7·0
8	L'pool (Bidston)	55	47	45	0·1	0·2	4·9
9	Harrogate	55	44	40	0·2	-	4·7
10	Spurn Head	56	46	*	9	3	5·0
	Catterick	57	43	38	0·1	-	6·1
	Tynemouth	56	47	44	2	0·6	*
11	Inchkeith	52	45	43	-	-	3·0
	Leuchars	61	46	42	-	0·2	9·4
12	Renfrew (Abbotts L)	52	39	37	Tr.	0·1	0·3
	Eskdalemuir	50	40	36	0·1	Tr.	2·5
13A	Tiree	52	45	41	1	-	1·8
13B	Stornoway	53	44	*	0·2	-	4·0
15	Dalwhinnie	56	46	36	-	0·6	4·2
	Aberdeen	58	45	45	-	3	*
	Wick	50	45	*	0·1	0·2	0·0
16	Lerwick	46	44	*	0·8	-	*
17	Blacksod Point	56	46	*	-	-	*
18	Malin Head	52	46	*	3	-	0·1
	Aldergrove	54	46	41	1	0·2	0·0
	Donaghadee	57	46	*	1	0·2	*
19	Birr Castle	57	47	43	0·4	-	10·5
20	Valentia Obsy.†	53	49	44	1	Tr.	1·2
	Roches Point	55	47	*	2	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
										Yesterday.		To-day.	
Kew	18	cpr	ct pbc	p, bc	60	48	44	2	Tr	9·0	*	*	7
Croydon	217	cpr	bc pr	cr, bc	60	47	44	1	Tr	7·3	*	*	7
Greenwich (Royal Observatory)	149	cp	cp tr bc	cu, s	60	46	41	3	Tr	4·9	84	77	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·6	*	*	*
Westminster (St. James' Park)	27	*	*	*	60	48	43	3		6·0	73	73	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	60	47	45	2		6·5	67	75	*
Camden Square	110	cp	cst bc	*	60	47	44	3	Tr	*	*	71	*
Kensington	80	bc	bc th pr	*	59	47	43	2	0·1	5·2	At 18h. 73		*
Hampstead Observatory	450	bc	pr th	*	58	44	35	3	Tr	7·5	5h. *	75	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 10th

South Kensington. Max.	Time.	Min.	Time.
0·3	8h. 9th	Nil	22h. 9th to 6h. 10th

Kew Observatory. Max.	Time.	Min.	Time.
0·1	11h. 9th	0·1	22h. 9th

FOREIGN OBSERVATIONS.

18h. G.M.T. 9th May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·5	WNW	5	bc/pr	55
Brussels	1015·2	WSW	4	c	52
Berlin	1008·7	SSW	2	rr	57
Zürich	1006·3	WNW	2	c/r	50
Rome	1011·0	N	3	b	64

7h. G.M.T. 10th May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014·6	W	4	c	50
Brussels	1010·3	SW	3	o	46
Berlin	1011·4	SSW	4	o	50
Zürich	1017·0	SW'S	2	bc/r	46
Rome	1010·1	NNE	3	c	54

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	61	45	17	6
Brussels	59	45	0·2	1
Berlin	63	41	0·4	1
Zürich	66	45	0·5	1
Rome	68	43	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1-3	5	19–24	10	55–63
2	4-7	6	25–31	11	64–75
3	8-12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 11th May 1933.

No. 26103

OBSERVATIONS at 13h. G.M.T. 10th May

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1011·0	−4	WNW	3	c	57	55	7	8	-	-	10	10	2500
	Croydon	1010·6	−6	WNW	4	c	56	65	7	8	3	-	9	9+	2500
	S. Farnborough	1011·3	0	NW'W	5	c/pr	57	65	8	8	8	1	7-8	7-8	2500
	Winchester	1011·9	+2	NW'W	4	c	55	75	8	5	-	-	10	10	4000
	Boscombe Down	1012·3	+2	NW'W	4	c	55	75	8	5	2	-	7-8	9+	1500
	Calshot, S'thmtn	1012·0	0	W'N	4	c	56	65	8	8	7	-	4-6	10	2500
	Dungeness	*	*	WNW	4	c|p	*	*	7	9	7	*	4-6	9+	800
	Lympne	1009·6	−6	W'N	4	c/pr.	54	77	8	8	-	-	10	10	2500
2	Shoeburyness	1009·3	0	WNW	4	c	54	75	7	4	2	-	4-6	7-8	1500
	Felixstowe	1008·3	0	NW'W	5	c	51	85	7	6	-	-	10	10	800
	Gorleston	1006·4	+6	NW	5	rr	48	95	6	6	-	-	10	10	1500
	Cranwell	1010·5	+14	NNW	4	c	51	75	7	5	-	-	10	10	800
3	Birmingham	1011·5	+4	NNW	3	bc	56	75	6	1	-	1	4-6	4-6	1500
	Upper Heyford	1011·2	−2	WNW	4	c	56	65	7	8	7	8	4-6	9	1500
4	Ross-on-Wye	1012·4	+8	WNW	2	c	57	65	9	8	-	-	9+	9+	4000
5	Portland Bill	1013·8	+2	W'N	5	c	53	85	7	8	2	-	7-8	10	1500
	Plymouth	1015·2	0	NW	4	c	56	65	8	8	-	-	9	9	2500
	The Lizard	1017·1	+2	W	3	bc	56	85	8	2	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	1018·3	+6	NW'W	4	bc	57	85	7	2	-	-	4-6	4-6	4000
	Guernsey	1016·0	−2	WNW	5	bc	55	75	7	8	-	-	4-6	4-6	2500
6	Pembroke	1014·4	+4	NW	3	c	54	75	7	7	2	-	4-6	9+	2500
7	Holyhead	1014·9	+14	NW'W	3	c	53	85	8	8	-	-	9	9	4000
	Chester (Sealand)	1013·5	+14	WNW	4	bc	54	75	7	8	-	-	2-3	2-3	2500
8	L'pool (Bidston)	1013·6	+10	NW	5	b	52	85	8	1	-	-	1	1	4000
9	Harrogate	1012·4	+10	N	3	c	51	65	7	3	7	-	7-8	9+	2500
10	Spurn Head	1008·5	+6	N'W	7	q	48	95	7	5	2	-	4-6	10	1500
	Catterick	1012·3	+18	NNW	4	c	53	75	8	5	-	-	10	10	2500
	Tynemouth	1012·6	+20	N	5	o/r	46	85	7	6	-	-	10	10	1500
11	Inchkeith	1013·9	+6	NE	2	c	50	85	8	8	-	-	9+	9+	4000
12	Leuchars	1014·4	+12	E	3	pr	51	85	8	9	3	-	7-8	9	1500
	Renfrew (Abbotts I.)	1013·7	+4	SW'S	1	c	57	65	7	5	-	-	9+	9+	2500
	Eskdalemuir	1013·6	+18	N	3	c	53	65	8	8	-	-	9+	9+	2500
13A	Tiree	1015·1	+6	NNW	2	bc	52	75	8	7	4	-	2-3	2-3	2500
13B	Stornoway	1013·1	+6	ENE	3	bc	52	85	8	8	7	-	2-3	4-6	1500
15	Dalwhinnie	1015·0	+6	E	3	c	50	75	8	4	1	-	4-6	10	2500
	Aberdeen	1013·9	+12	NNW	4	c	52	75	8	8	-	-	9	9	1500
	Wick	1014·1	+8	N	3	c	50	85	8	8	1	-	7-8	9+	1500
16	Lerwick	1013·8	+12	NNE	4	c	45	85	7	5	-	-	10	10	1500
17	Blacksod Point	1017·6	+2	W	3	c	54	75	8	5	-	-	9+	9+	800
18	Malin Head	1015·0	+6	NW	2	c	50	95	7	5	7	-	7-8	9+	800
	Aldergrove	1014·6	+6	NNW	3	c	57	65	9	4	-	-	9	9	2500
	Donaghadee	1015·2	+10	E	2	bc	53	75	8	-	-	8	0	2-3	-
19	Birr Castle	1015·5	+8	NNW	1	c	57	65	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1018·6	+6	NW'W	3	bc	56	75	8	1	-	1	2-3	2-3	2500
	Roches Point	1016·5	+2	NW	4	bc	59	85	9	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 10th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1012·3	+10	N	3	c	55	65	6	5	7	-	7-8	9+	2500	1	*
1011·9	+10	N	4	3o	55	65	6	5	2	-	7-8	10	2500	1	*
1012·3	+10	NW	2	c	55	65	6	5	-	-	9+	9+	4000	1	*
1012·6	+6	WNW	4	u	56	65	8	8	1	-	7-8	9+	4000	1	*
1012·7	+2	WNW	3	bc	57	75	7	2	-	-	2-3	2-3	2500	0	*
1012·3	+2	W'N	5	bc	58	65	7	8	-	-	4-6	4-6	2500	0	2
*	*	NNW	4	ir.	*	*	6	9	-	*	10	10	800	*	3
1011·1	+8	NNW	4	c	51	75	6	5	-	-	10	10	2500	1	*
1011·0	+12	NW	5	o/r	50	85	6	5	-	-	10	10	800	1	*
1010·1	+16	NW'N	4	o/d	48	95	7	6	-	-	10	10	800	1	2
1008·5	+16	NNW	6	ir.	48	85	6	6	-	-	10	10	1500	1	3
1012·7	+14	NW'N	4	id.	49	85	7	5	-	-	10	10	800	1	*
1013·5	+8	NNW	4	bc	53	75	6	8	-	-	4-6	4-6	2500	1	*
1012·9	+10	NE	3	c	55	75	7	8	3	-	4-6	9+	1500	1	*
1013·3	+6	N	3	bc	57	55	8	8	-	-	2-3	2-3	4000	0	*
1014·3	0	WNW	4	bc	53	85	8	5	-	-	4-6	4-6	2500	1	3
1015·9	+6	NW'W	4	c	55	75	8	5	-	-	9+	9+	2500	1	2
1017·1	+2	W	3	bc	55	75	8	7	-	-	2-3	2-3	4000	0	2
1018·3	0	NW	4	bc	55	95	7	2	4	1	2-3	2-3	4000	0	3
1016·0	0	W'N	5	bc	53	85	7	-	3	-	0	4-6	-	0	3
1016·5	+4	WNW	1	bc	52	75	8	7	7	4	2-3	4-6	4000	0	1
1015·7	+6	NW'W	3	c	52	85	8	5	-	1	7-8	7-8	4000	1	*
1014·6	+8	NW'W	4	b	54	75	8	4	-	-	1	1	4000	0	*
1014·9	+2	NW	4	bc	53	75	8	1	-	5	1	2-3	4000	0	*
1013·8	+6	N	3	c	50	75	7	5	-	-	9+	9+	4000	1	*
1011·1	+8	N'W	6	q	48	95	7	3	2	-	4-6	9+	2500	1	4
1013·9	+8	N'W	2	o	49	85	7	5	-	-	10	10	2500	1	*
1013·3	+12	N	3	bc	47	85	8	2	-	-	4-6	4-6	2500	1	2
1014·6	0	E	2	c	50	85	8	8	-	-	9+	9+	4000	1	*
1014·6	+2	SE	2	c|p	51	75	8	6	2	-	9+	9+	2500	1	*
1014·0	0	W	3	c|r	55	75	7	7	-	1	7-8	7-8	4000	1	*
1014·4	+4	NE	2	c	51	75	8	8	-	-	10	10	4000	1	*
1014·8	+2	NW'W	2	b	53 45	85	8	2	7	4	Tr.	1	2500	0	3
1014·3	0	NE	3	bc	50	85	8	8	6	1	2-3	2-3	2500	1	!
*	-2	-	0	c	49	85	8	4	1	-	4-6	10	2500	1	*
1014·0	+6	NNW	4	c	51	75	8	8	-	-	7-8	7-8	2500	1	2
1014·9	+8	NNE	2	c	47	95	8	8	1	-	7-8	10	1500	0	2
1014·2	+4	NE	4	c	45	75	7	5	7	-	7-8	9	1500	0	*
1017·6	+2	W	3	c	53	75	8	5	5	-	2-3	7-8	800	0	2
1016·0	+2	NNW	2	c	49	95	7	5	2	-	9	9+	1500	0	1
1015·6	+6	N'W	3	bc	55	75	8	8	3	1	1	2-3	2500	1	*
1015·5	+2	NNW	2	c	50	85	8	5	3	-	4-6	7-8	2500	0	1
1016·5	+4	NNW	1	c	57	65	8	5	-	-	9	9	2500	1	*
1018·7	+2	W'N	2	c	53	85	8	5	-	-	9+	9+	1500	1	2
1017·0	+4	NW	4	bc	59	75	9	8	-	2	2-3	4-6	2500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 10th	Weather. 13h.–18h. 10th	Weather. 18h. 10th to 1h. 11th	Weather. 1h.–7h. 11th
(37)	(38)	(39)	(40)
cr.c	cp.c3.	p.c	bcm.
P.r.bcc	cpr.3.	cprm.bc	cbcm.
cd.ir.	ccupr.	cpm.	bwccpm.
c	cbcc	cprbc	bcc
c	cbc	cpr.bc	bccm
cq pr.	bc	bccR	bcwm
bc	bc	*	c
cpr.	c3.	c cid.	c
c	cir.m.	c	c
cp.	ccddd.r.d.	od.d.o	oc
or.r.q	oir.q	oirq	ocq
cr.m.c	ccd.r.	cd.c	cm.
d.cbc	bcc	bcc	co
cr.c	cjpc	cbc	bcorf
c	cvbc	bccbc	cbc
c	cbc	c	c
cprqbc	cq	cb	bwc
bc	bc	bcc	co
cbc	bc	bcc	cp.
cbc	bc	bcb	bwbc
~~bcmc~~ prqc	cbc	bccw	cwbcc
cbc	cbc	c	cbcw
crbc	bcb	bcc	c
bcb	bvb	bbcc	c
c	c	cbc	cc.
rcq	cq	bc	cbc
bc	c	c	com.
oirq	oir.qbc	bcco	oc
c	c	cir. c	cir. cir.c
c	cir.c	cir.bcc	cr.cir.
cm.c	cpr.bc	bcc	bccm.
cpr.c	c	c	cpr.c
bbc	b	bbcw	bcc
cbc	bc	bc	bcc
c	ir	*	d
c	bccr.	bcc	c
c	c	c	c
c	c	c	c
ir.c	bc	ir.	bc
bcc	c	c	cpr.
cv	cv	bc	bcc
cbcb	bbc	bbc	bcc
c	c	c	codd
bbccbc	bcc	ccrcir	cbc
bcv	bcv	bcvc	coid.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered).
c, generally cloudy.
d, drizzle.
e, wet air.
g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail.
i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall.
l, lightning.
o, overcast sky.
p, passing showers.
q, squalls.
r, rain.
s, snow.
rs, sleet.
t, thunder.
u, ugly, threatening sky.
v, unusual visibility.
w, dew.
x, hoar frost.
y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

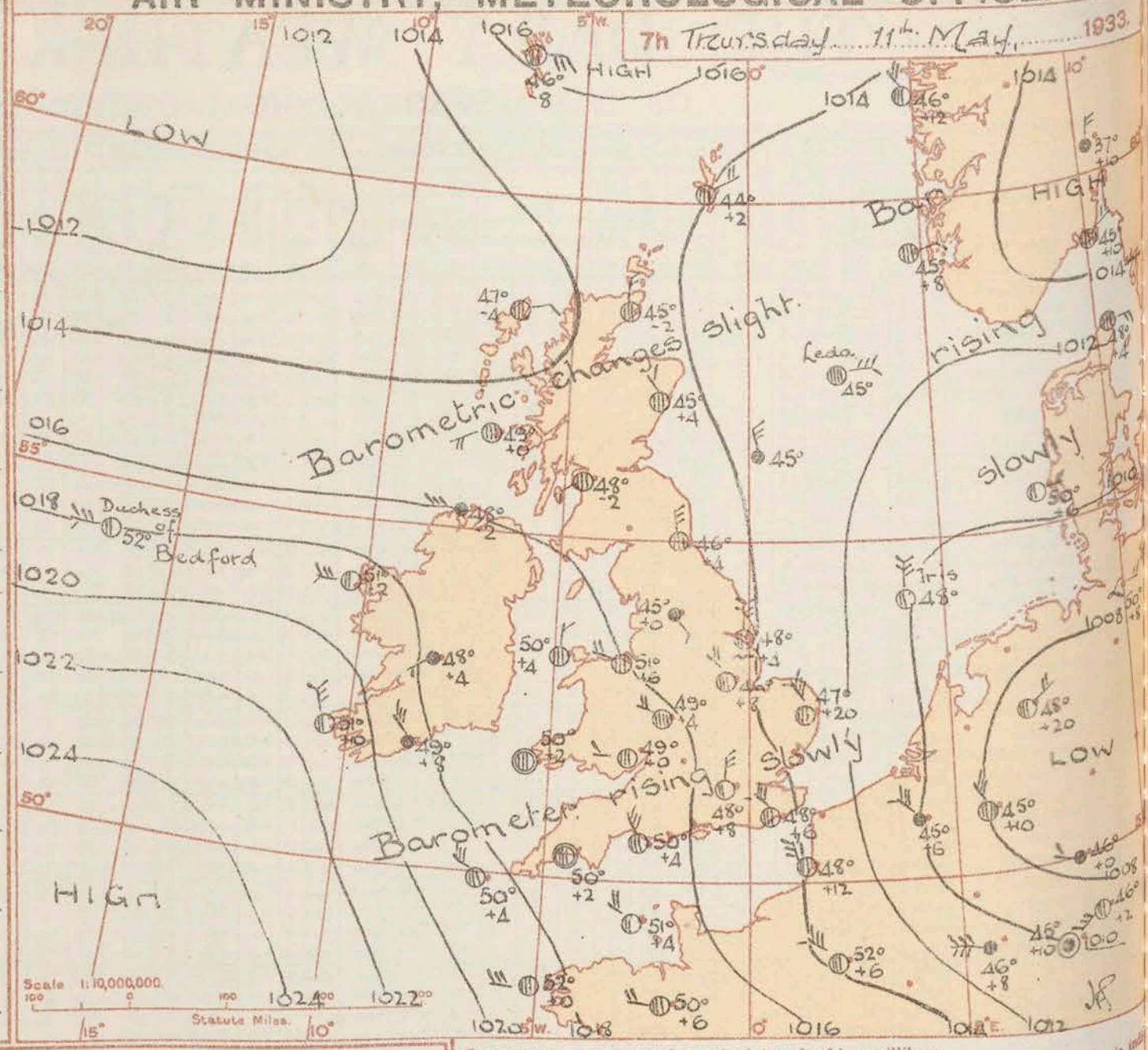
REPORTS from HEALTH RESORTS for 10th May 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 9½ to 9h. 10½	Temperature. Max. 9h.–17h. 10½	Rainfall. Night. 17h. 9½ to 9h. 10½	Rainfall. Day. 9h.–17h. 10½	Sunshine. Sunrise to 17h. 10½	Sunshine. Sunrise to Sunset. 9½
1	Tunbridge W.	oc	coco	44	58	Trace	Trace	3.8	7.7
	Bournemouth	c	c	47	59	1	-	2.0	10.8
	Ventnor ...	bcpc	cbc	47	59	0.3	-	6.1	11.8
	Southsea ...	c	cb	47	60	0.3	-	4.1	11.1
	Bognor Regis	bcb	bc	48	61	0.5	-	4.8	9.6
	Littlehampton	bc	bcc	47	61	-	-	3.5	8.9
	Worthing ...	bcc	cop	47	60	-	Trace	3.1	9.5
	Brighton ...	bccp	bccp	48	59	-	0.5	2.8	8.4
	Eastbourne†	c	co	48	60	1	-	3.5	9.5
	Hastings† ...	bc	bcco	46	58	1	-	2.7	7.7
	Folkestone ...	bccr.	c	44	57	-	Trace	2.0	7.0
	Dover... ...	cp.bcc	cdo	48	57	-	Trace	1.7	7.3
	Deal	bcopo	o	46	56	0.3	Trace	1.3	7.4
	Ramsgate ...	c	cp.c	46	56	Trace	Trace	0.2	5.9
	Margate ...	cd.	c	46	54	-	Trace	0.2	8.3
2	Southend ...	ocr.	o	48	55	-	Trace	0.3	7.8
	Maldon ...	cid	o	47	54	Trace	Trace	0.4	6.6
	Clacton-on-Sea	c	cpdco	46	53	-	Trace	0.2	7.4
	Dovercourt ...	doc	roc	45	51	Trace	1	0.0	4.7
	Lowestoft ...	oiror	oir	43	48	2	9	0.0	3.0
	Skegness ...	oro	odo	44	49	1	Trace	0.0	5.3
	Mablethorpe	or.	o	44	50	2	Trace	0.0	5.5
	Cleethorpes...	orr.	oir.	45	49	2	Trace	0.0	4.8
3	Leamington S.	oc	cbc	46	60	Trace	-	2.2	7.5
4	Cheltenham†	oc	cbccu	46	61	0.5	-	2.0	7.3
5	Bath	cir.	ircbc	47	60	0.3	Trace	1.2	8.3
	Weymouth ...	rc	cb	46	60	10	Trace	1.7	10.3
	Jersey ...	rcbc	bc	50	56	1	-	7.0	10.8
	Torquay ...	rpbc	bcc	48	58	3	-	3.2	10.5
	Penzance ...	b	ocb	49	58	Trace	-	10.2	8.2
	St. Ives ...	b	b	49	57	1	-	9.8	7.8
	Bude	pcbc	bcc	50	55	3	-	5.1	8.1
	Ilfracombe ...	bc	c	47	55	14	-	2.5	7.9
6	Aberystwyth	cr.c	cbc	48	55	1	-	2.2	7.7
7	Llandudno ...	bc	bcb	48	55	1	-	5.5	5.3
	Colwyn Bay...	bcb	bcb	47	57	2	-	7.6	6.3
	Rhyl								
8	Wallasey ...	bcb	b	47	56	0.5	-	9.3	4.8
	Southport‖ ...	bccbc	bcb	48	59	0.5	-	8.4	3.2
	Blackpool ...	cbc	bcc	48	57	0.5	-	7.5	2.3
	Morecambe ...	bbc	cbbcc	47	60	1	-	7.3	3.5
9	Ilkley... ...	c	c	44	54	Trace	-	1.0	2.3
10	Berwick-on-T.	oc	cbcc	45	50	1	-	3.9	4.8
11	Dunbar ...	bc	bc	45	52	-	-	1.3	5.9
12	Troon... ...	r.oc	ocr.	44	54	0.3	Trace	1.2	0.3
	Douglas ...	bccb	cbccb	46	57	2	-	6.2	3.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h. ‖ Min. Temp. 17h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th Thursday 11th May 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light northwest or variable wind; cloudy, bright intervals, slight local showers; moderate temperature.
5. S.W. England	Light northwest or variable wind; cloudy, local drizzle, fair tomorrow; moderate temperature.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light northwest to west or variable wind; cloudy, occasional showers or drizzle; moderate temperature.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate variable to westerly wind; cloudy, occasional showers or drizzle, bright intervals later; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate westerly wind; bright intervals, local showers; moderate temperature.

Barometer. Isobars are drawn for intervals of two millibars.
Wind. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— Temperature is given in degrees F.
Weather Symbols :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 6/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A feeble ridge of high pressure covers the British Isles while shallow depressions are centred over Germany and southwest of Iceland. Weather will be fair apart from slight local showers, but there will be much cloud in most districts.

FURTHER OUTLOOK.

Rather unsettled in northwest districts; mainly fair in the southeast half of England.

Forecasts issued at 0920 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Thursday,
11TH MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1: 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 11th May 1933.

No. 26103

OBSERVATIONS at 1 hr. G.M.T. 11th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1014.2	+2	NW'W	3	3o	48	85	6	5	3	-	1	2-3	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1013.0	-2	NNW	4	c/d.	48	85	7	5	3	-	7-8	9+	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1011.2	+4	NW'N	6	o/r	46	95	7	6	-	-	10	10	1500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1015.5	+4	NNW	4	bc	51	85	7	4	-	-	4-6	4-6	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1017.6	0	W	2	c	50	95	8	4	8	-	4-6	7-8	4000
	Scilly (St. Mary's)	163	1018.9	-2	NW'W	4	c	51	95	7	5	4	-	7-8	7-8	4000
	Guernsey	175	1016.3	+4	WNW	3	b	49	95	7	-	-	-	0	0	-
6	Pembroke	142	1016.3	+8	WNW	1	c	49	85	7	5	7	-	2-3	9+	4000
7	Holyhead	26	1016.1	+2	ESE	1	c	50	95	8	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1013.3	+4	N'W	5	c	46	95	7	5	2	-	4-6	9	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1014.5	0	WNW	2	o	47	85	6	6	-	-	10	10	1500
11	Inchkeith	190	1014.7	+2	ENE	2	c	48	85	8	5	-	-	10	10	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1013.8	-10	NE	1	bc	45	95	8	8	6	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015.4	-4	N	2	c	45	85	8	8	2	-	7-8	10	1500
16	Lerwick	54	1014.6	-2	NE	4	c	43	75	7	5	2	-	7-8	10	1500
17	Blacksod Point	18	1016.6	0	-	0	ir	51	85	7	5	-	-	9+	9+	220
18	Malin Head	52	1015.9	-6	-	0	c	49	95	7	5	2	-	9+	10	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1018.6	-6	W	4	DD	52	95	4	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 11th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1015.9	+8	N	2	bc	49	75	5	7	-	-	4.6	4.6	4000	1	*
1015.5	+8	N'E	3	bc	48	75	6	7	3	-	1	2.3	2500	1	*
1015.9	+4	NNW	1	pr	48	85	6	5	-	-	9	9	4000	1	*
1015.8	+12	NNW	2	c	49	95	6	5	-	-	10	10	4000	1	*
1016.2	+6	NW	1	c	49	95	6	5	-	-	9+	9+	4000	0	*
1015.8	+10	NE	2	m	51	85	4	5	3	-	4.6	7.8	4000	0	1
*	*	N	4	c	*	*	7	8	-	*	7.8	7.8	800	*	3
1014.3	+6	NNW	4	c	48	95	8	7	-	-	7.8	7.8	1500	1	*
1014.8	+16	NNW	3	c	49	85	7	5	-	-	9+	9+	1500	1	*
1014.1	+16	NNW	3	c	47	95	8	9	-	-	9+	9+	800	0	1
1012.9	+20	NNW	4	c	47	85	7	6	3	-	4.6	10	2500	0	3
1015.6	+8	NNW	2	c	46	85	6	5	7	-	9	9+	1500	1	*
1016.2	+4	WNW	2	o	49	85	5	5	-	-	10	10	800	1	*
1016.5	+10	W	1	m	47	95	4	5	-	-	10	10	220	1	*
1016.3	0	W	1	c	49	85	8	5	8	6	7.8	9	4000	0	*
1016.2	+4	NNW	3	c	50	85	7	4	2	-	7.8	10	2500	0	3
1017.2	+2	-	0	c	50	95	8	-	3	5	0	9	-	1	0
1017.8	0	W	2	o	51	95	7	5	-	-	10	10	2500	0	2
1018.3	+4	NW	3	c	50	95	7	8	-	-	10	10	2500	0	2
1017.0	+4	NW	2	bc	51	85	7	7	1	-	2.3	2.3	2500	0	3
1016.7	+2	-	0	c	50	95	7	7	2	-	4.6	7.8	2500	0	0
1016.3	+4	N	1	c	50	85	7	5	3	8	2.3	9+	4000	1	0
1016.0	+6	WNW	2	c	51	85	6	5	3	6	2.3	9	1500	0	*
1016.1	0	WNW	3	c	48	95	8	5	-	-	7.8	7.8	2500	0	*
1015.7	0	SE	1	ic	45	85	5	6	2	-	9+	10	2500	1	*
1014.1	+4	N	5	bc	48	85	8	-	2	8	0	4.6	-	0	4
1015.1	+6	NE	1	ic	46	85	6	5	-	-	10	10	1500	1	*
1014.6	+4	NNW	3	c	46	85	8	2	-	-	7.8	10	2500	0	2
1015.0	+4	E	2	c	46	95	8	5	-	-	10	10	1500	0	2
1015.5	+2	ESE	2	ic	46	95	7	6	-	-	9+	9+	2500	1	*
1014.5	-2	SW'W	1	c	48	95	6	5	-	-	10	10	4000	1	*
1014.7	+4	-	0	c	47	85	7	5	-	-	10	10	1500	1	*
1014.8	0	W'S	2	c	49	95	8	5	7	7	2.3	10	2500	0	3
1013.0	-4	ENE	1	c	47	85	8	8	6	-	4.6	9	1500	1	1
1015.1	-4	-	0	d	43	95	7	4	4	-	7.8	10	800	1	*
1015.0	+4	NNW	1	c	45	75	7	5	-	-	10	10	2500	1	1
1014.9	-2	NNE	2	c	45	75	8	5	1	-	7.8	10	1500	0	2
1014.0	+2	NE	2	c	44	65	8	5	-	-	9+	9+	1500	0	*
1018.8	-2	W	4	bc	51	85	7	5	6	-	4.6	4.6	450	0	3
1015.3	-2	W	3	c	49	95	6	8	7	-	9	9+	220	1	1
1016.3	0	SW	1	c	47	95	8	5	-	-	10	10	2500	1	*
1015.8	0	SSW	1	c	48	95	8	5	-	-	9	9	1500	0	1
1017.7	+4	SW	1	dd	48	95	7	6	-	-	10	10	2500	1	*
1021.0	+10	NNW	4	bc	51	85	8	8	-	1	2.3	2.3	1500	1	3
1018.2	+8	NW	3	ic	49	95	6	5	-	-	10	10	1500	1	3

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 10% Hrs. (36)
1	London (Kew)	58	45	38	Tr.	Tr.	3.1
	Croydon	58	46	42	0.1	Tr.	2.8
	S. Farnborough	59	40	30	Tr.	Tr.	3.6
	Winchester	60	42	35	-	2	3.2
	Boscombe Down	58	45	40	-	Tr.	3.5
	Calshot, (S'thmtn)						
	Dungeness	60	48	43	Tr.	3	4.6
	Lympne	55	45	45	Tr.	Tr.	*
2	Shoeburyness	56	46	46	Tr.	-	2.4
	Felixstowe	51	46	45	0.4	Tr.	0.2
	Gorleston	48	46	45	11	0.2	0.0
	Cranwell	52	41	39	0.1	Tr.	0.0
3	Birmingham	58	47	43	Tr.	-	2.4
	Upper Heyford	57	42	35	Tr.	0.5	*
4	Ross-on-Wye	62	45	39	-	-	2.5
5	Portland Bill	54	48	*	Tr.	-	*
	Plymouth	56	46	37	0.2	-	5.7
	The Lizard	57	50	*	-	-	*
	Scilly (St. Mary's)	57	49	*	-	0.1	10.5
	Guernsey	57	48	43	-	-	11.7
6	Pembroke	57	47	*	Tr.	-	6.5
7	Holyhead	54	48	43	-	-	7.1
	Chester (Sealand)	55	48	43	-	-	10.2
8	L'pool (Bidston)	54	47	45	-	-	10.0
9	Harrogate	53	41	34	-	Tr.	0.2
10	Spurn Head	49	44	*	0.4	-	0.0
	Catterick	53	46	44	-	Tr.	1.6
	Tynemouth	48	45	43	0.2	-	*
11	Inchkeith	55	45	40	-	0.6	1.7
	Leuchars	56	44	33	0.3	Tr.	0.7
12	Renfrew (Abbotts L)	57	42	38	Tr.	-	1.0
	Eskdalemuir	55	44	43	Tr.	Tr.	2.2
13A	Tiree	54	47	40	-	-	14.2
13B	Stornoway	53	43	*	-	-	10.2
15	Dalwhinnie	52	39	28	Tr.	1	0.8
	Aberdeen	55	43	40	Tr.	-	3.4
	Wick	51	43	*	-	-	*
16	Lerwick	46	43	*	-	-	0.1
17	Blacksod Point	56	49	*	Tr.	0.5	*
18	Malin Head	51	46	*	-	0.4	3.3
	Aldergrove	60	39	35	-	-	5.8
	Donaghadee	55	42	*	-	-	*
19	Birr Castle	58	47	41	-	1	0.9
20	Valentia Obsy.†	57	49	46	-	2	8.4
	Roches Point	61	43	*	-	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs, ended 9h.)	Weather. Afternoon. (24 hrs, ended 9h.)	Weather. Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	cr.c	cp.c3.	p.cbcm.	58	45	38	Tr	Tr	3.1	*	*	7
Croydon	217	p.c.bcc	cpr3.	cp.c.bcm.	58	46	42	0.1	Tr	2.8	*	*	6
Greenwich (Royal Observatory)	149	c	cic	ic.c	60	45	38	Tr	Tr	0.9	60	71	6
City (Bunhill Row)	—									1.4	*	*	*
Westminster (St. James' Park)	27	*	*	*	*	*	*	*	*	2.3	59	64	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	60	46	41	Tr		2.4	72	73	*
Camden Square	110				59	49	39	0.3	-		*	71	*
Kensington	80	c	ccr	*	59	45	39	0.3	-		*	71	*
Hampstead Observatory	450	bc.c.o	bcc	*	58	45	39	Tr	Tr	2.1	At 18h.	69	*
		cp	cpb	c	57	(42)	(30)	0.4	-	2.6	71	73	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 10th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1012.3	WNW	5	c	55	1013.8	NW	4	c/r	52	57	52	11	Tr
Brussels	1007.5	WNW	6	pr	48	1009.7	NW	4	ic	45	52	43	9	9
Berlin	1009.1	-	0	c	57	1008.3	SSE	1	3o	54	63	46	2	2
Zürich	1013.6	WNW	3	c/pr	46	1011.4	WSW	4	rr	43	57	43	0.5	3
Rome	1010.7	WSW	3	c	59	1008.6	SE	3	c	61	70	55	-	7

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 11th.

South Kensington. Max.	Time.	Min.	Time.
0.3	17h 10k	Nil	0-6h 11k

Kew Observatory. Max.	Time.	Min.	Time.
0.1	23h 10k	<0.1	12h 10k

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, -18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 12th May, 1933.

No. 26.104

OBSERVATIONS at 13h. G.M.T. 11th May

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 2-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1015·9	-6	NW	3	c	56 ~~62~~	65	7	8	-	-	10	10	4000
	Croydon	1015·5	-2	NW	3	3o	56	65	6	7	3	-	9	9+	4000
	S. Farnborough	1015·6	-6	NNW	2	c	60	65	7	2	3	-	4·6	9+	4000
	Winchester	1015·9	-4	WNW	2	c	56	75	8	5	-	-	9	9	2500
	Boscombe Down	1015·7	-2	NW'W	3	c	58	65	7	7	-	-	10	10	2500
	Calshot, S'thmtn	1015·8	-4	SW'S	3	pr	55	85	7	8	3	-	7·8	7·8	1500
	Dungeness	*	*	NE	2	c	*	*	6	8	-	*	9+	9+	800
	Lympne	1015·3	+6	NNW	3	c	53	65	7	5	2	-	9	10	4000
2	Shoeburyness	1015·3	0	NNW	2	c	57	65	7	8	2	-	7·8	8	2500
	Felixstowe	1014·8	0	NW'N	3	c	56	65	8	5	-	-	7·8	7·8	2500
	Gorleston	1014·1	+2	N'E	4	c	54	85	7	5	-	-	7·8	7·8	2500
	Cranwell	1015·7	+2	W'S	1	o/pr	49	85	6	5	-	-	10	10	1500
3	Birmingham	1015·5	+2	NW	2	r.r.	54	75	6	6	2	-	4·6	10	1500
	Upper Heyford	1015·6	-6	W	2	c	56	65	8	8	2	-	9	10	1500
4	Ross-on-Wye	1015·4	-4	WSW	2	pr	59	65	8	9	7	-	9	9+	4000
5	Portland Bill	1016·8	-2	WSW	3	c	53	85	7	5	4	-	7·8	9	2500
	Plymouth	1017·2	-4	SW'W	3	c	56	85	8	7	3	-	9	9	4000
	The Lizard	1018·0	+2	W	2	bc	59	75	8	7	6	-	2·3	4·6	4000
	Scilly (St. Mary's)	1020·0	+2	NNW	3	c	56	85	7	4	-	-	7·8	7·8	4000
	Guernsey	1018·0	+2	NW	2	c	57	75	8	7	8	-	4·6	7·8	4000
6	Pembroke	1017·9	+4	NW	1	c	55	85	7	5	2	-	4·6	7·8	2500
7	Holyhead	1017·0	+4	WNW	3	c	52	85	8	2	7	-	1	9+	1500
	Chester (Sealand)	1016·5	+4	NW'W	5	c	52	75	8	5	-	8	9+	9+	2500
8	L'pool (Bidston)	1016·5	+6	NW	4	o	50	85	8	5	-	-	10	10	2500
9	Harrogate	1015·0	0	-	0	r.r.	48	95	5	5	-	-	10	10	800
10	Spurn Head	1014·5	0	N'E	4	c	49	85	7	5	7	-	7·8	9+	4000
	Catterick	1014·6	-4	-	0	o	51	75	6	5	-	-	10	10	1500
	Tynemouth	1014·9	+4	NNW	2	c	47	75	8	6	-	-	9	9	1500
11	Inchkeith	1014·6	-2	E	2	c	47	85	8	8	7	-	4·6	10	4000
12	Leuchars	1015·3	-2	SE	2	c	49	75	7	5	2	-	4·6	10	2500
	Renfrew (Abbotts'l)	1014·5	+2	W'N	3	c/r	53	75	7	8	2	-	9+	10	2500
	Eskdalemuir	1014·5	0	WSW	3	c	49	85	7	5	-	-	10	10	1500
13A	Tiree	1015·3	+4	WNW	3	b	53	75	8	5	4	-	1	1	1500
13B	Stornoway	1012·7	0	NE	1	c/pr	48	85	8	8	2	-	7·8	10	1500
15	Dalwhinnie	1014·6	+2	N	1	ir	49	85	7	4	4	-	4·6	10	1500
	Aberdeen	1014·8	0	ESE	2	c	46	75	8	5	-	-	10	10	2500
	Wick	1014·6	-4	NE	2	c	46	75	8	5	1	-	7·8	9+	2500
16	Lerwick	1013·7	-2	N	1	c	45	65	8	5	2	-	7·8	9+	1500
17	Blacksod Point	1018·2	-4	W	4	bc	55	85	8	3	-	-	4·6	4·6	800
18	Malin Head	1016·2	+10	NW	3	bc	53	85	7	7	3	2	2·3	4·6	1500
	Aldergrove	1016·0	0	SW	3	pr	53	85	9	8	-	-	9+	9+	2500
	Donaghadee	1016·1	+2	ESE	2	c	50	95	7	5	-	-	9	9	1500
19	Birr Castle	1018·1	0	NNW	1	bc	60	55	8	1	-	-	4·6	4·6	2500
20	Valentia Obsy.	1021·9	+4	NW'W	4	c	54	75	8	8	-	-	7·8	7·8	1500
	Roches Point	1019·1	+6	NW	4	bc	59	65	9	8	-	2	2·3	4·6	2500

OBSERVATIONS at 18h. G.M.T. 11th May

Dist.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 2-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1015·6	0	-	0	c	56	85	6	8	7	-	4·6	10	1500	1	*
	Croydon	1015·5	+4	S	2	c/r	53	85	5	5	2	-	7·8	10	2500	1	*
	S. Farnborough	1015·6	-2	NW'W	3	ir	56	65	6	9	2	-	9	10	2500	1	*
	Winchester	1015·6	-2	WSW	1	ir.	55	85	6	5	-	-	9+	9+	4000	1	*
	Boscombe Down	1015·4	-4	WNW	2	c	57	75	7	7	-	1	4·6	7·8	5700	0	*
	Calshot, S'thmtn	1015·5	-4	SW	3	c	55	85	7	8	7	-	4·6	9+	4000	0	1
	Dungeness	*	*	SW	3	rr	*	*	4	6	-	*	10	10	800	*	2
	Lympne	1015·5	-2	SW	2	r.r.	51	95 85	5	6	2	-	7·8	10	2500	0	*
2	Shoeburyness	1015·1	-2	-	0	c/r	53	~~65~~	6	5	7	-	4·6	10	4000	1	*
	Felixstowe	1015·4	+2	E'S	1	r.r.	50	95	7	6	2	-	9	10	1500	0	1
	Gorleston	1014·9	+6	NW'N	2	c	51	75	6	5	-	-	10	10	2500	0	2
	Cranwell	1014·9	-2	-	0	c	49	95	5	5	-	-	10	10	1500	1	*
3	Birmingham	1015·5	0	NW	4	c	53	75	6	6	3	-	4·6	7·8	1500	1	*
	Upper Heyford	1015·8	+4	N	1	c/r	52	95	5	9	2	-	9+	10	1500	1	*
4	Ross-on-Wye	1015·7	0	NE	1	c	55	85	8	8	-	8	9	9+	4000	1	*
5	Portland Bill	1016·2	-6	NW	3	bc	55	75	7	4	-	-	4·6	4·6	2500	0	2
	Plymouth	1017·7	+2	NNW	4	c	56	75	8	1	-	6	4·6	7·8	4000	1	1
	The Lizard	1019·4	0	NW'W	3	bc	55	85	8	7	4	-	2·3	2·3	4000	0	2
	Scilly (St. Mary's)	1020·2	0	NW	4	b	55	85	8	5	-	-	1	1	4000	0	2
	Guernsey	1018·0	0	W'N'	3	c	55	85	7	7	1	-	4·6	7·8	4000	0	3
6	Pembroke	1017·4	-4	WNW	1	bc	53	85	8	7	6	1	2·3	4·6	4000	0	1
7	Holyhead	1016·5	-6	SW'W	4	c	52	85	7	4	-	1	9	9+	4000	1	1
	Chester (Sealand)	1016·0	-4	WNW	3	c	54	75	8	7	-	-	7·8	7·8	4000	0	*
8	L'pool (Bidston)	1016·0	-4	NW'W	4	bc	52	75	8	7	4	-	4·6	4·6	4000	0	*
9	Harrogate	1014·8	-6	-	0	ir.	50	85	5	6	2	-	9+	10	2500	1	*
10	Spurn Head	1014·6	0	NNE	1	c	48	85	7	-	2	-	0	9+	-	0	1
	Catterick	1014·8	0	NW	1	id.	47	95	5	5	-	-	10	10	800	1	*
	Tynemouth	1014·5	0	NE	1	ir.	45	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1014·4	-6	E	2	ir.	46	95	8	8	7	-	7·8	10	4000	1	2
12	Leuchars	1014·5	-4	S	1	ir.	48	85	7	5	2	-	9+	10	1500	1	*
	Renfrew (Abbotts'l)	1014·1	+2	W	4	c	53	75	7	8	-	-	7·8	7·8	4000	1	*
	Eskdalemuir	1014·0	-2	NW'W	4	id.	50	75	8	5	-	-	10	10	1500	1	*
13A	Tiree	1015·2	-2	W'S	3	bc	53	75	8	5	3	9	1	2-3	2500	0	3
13B	Stornoway	1012·5	-4	E	1	c	47	95	6	8	6	-	7·8	9+	1500	1	0
15	Dalwhinnie	1014·0	-2	N	1	c	48	75	8	4	4	-	4·6	10	1500	0	*
	Aberdeen	1014·0	-4	S'E	2	c	48	75	6	5	-	-	10	10	1500	1	1
	Wick	1014·0	-2	SW	1	c	46	85	8	5	1	8	7·8	10	2500	0	2
16	Lerwick	1012·6	-6	NNE	1	c/p	45	85	7	5	2	-	9	10	1500	0	*
17	Blacksod Point	1018·4	+2	W	3	c	53	75	8	4	-	-	7·8	7·8	800	0	3
18	Malin Head	1015·9	-4	W	3	pr	52	95	7	8	7	-	9	9+	800	0	1
	Aldergrove	1016·3	0	NW	3	c	54	65	8	8	-	-	9+	9+	4000	1	*
	Donaghadee	1016·1	0	E	2	bc	52	85	8	7	-	8	2-3	2-3	2500	0	1
19	Birr Castle	1018·0	-4	W	3	c	57	75	8	7	-	4	2-3	7-8	2500	1	*
20	Valentia Obsy.	1021·4	-2	W	4	c	53	85	8	5	-	-	10	10	800	1	3
	Roches Point	1019·2	-4	N	4	c	56	75	8	3	-	-	7·8	7·8	2500	0	3

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 11th (37)	Weather. 13h.–18h. 11th (38)	Weather. 18h. 11th to 1h. 12th (39)	Weather. 1h.–7h. 12th (40)
1	London (Kew)	c	ccrcm.	cir.cdm.	cm.w
	Croydon	bccg.	c3.Kr.	crr.mbm.	bccm.
	S. Farnborough	c3.c	ccprccr.	crc.c.c	cbcc
	Winchester	c	ccr.	cPRc	c
	Boscombe Down	cm.c	cbc	cm.	cm.
	Calshot, S'thmtn	cm.	cpr.c	cbcw	bcwc
	Dungeness	cm.	c	c	f
	Lympne	bcc	ccm.r.	cirfcm	bccm.
2	Shoeburyness	cbcc	cir.m.	cir.m.	cir.m.
	Felixstowe	c	cd.r.	cr.d.cr	cd.3.
	Gorleston	cq	c	co	oid.
	Cranwell	cupro	r.rrm.	cm.r.	cbm.
3	Birmingham	co	cpr	cbc	bccm
	Upper Heyford	ocm.r.	crrm.		cm.w
4	Ross-on-Wye	c	Pcc	cbc	bcc
5	Portland Bill	c	cbc	c	c
	Plymouth	c	cbc	bcb	b.c
	The Lizard	obc	bc	bcco	orprc
	Scilly (St. Mary's)	cbcc	cbcb	bbcc	cp.ir
	Guernsey	bcc	cbcc	cbc	bcc
6	Pembroke	cbcc	cbc	c	c
7	Holyhead	c	pr.bcc	c, pr	c
	Chester (Sealand)	c	cbc	cbc	pr.c
8	L'pool (Bidston)	co	cbc	cbcv	bcc
9	Harrogate	cir.	cir.	cir.bc	cw
10	Spurn Head	cd.r.c	cir.	cirbc	bcdbc
	Catterick	cm.r.	cbc	bcb	b
	Tynemouth	cir.	ccd.	cpr.bc	bcc
13A	Tiree	cid	bbc	bcpr	bcw
13B	Stornoway	c	cpr.m.	cpr.m.	c
15	Dalwhinnie	ir	m	*	ir
	Aberdeen	c	coc3.	or.r.	or.m.
	Wick	c	c	cr.rc	c
16	Lerwick	c	cpr.	c	c
17	Blacksod Point	bc	pr.c	cbc	pr.c
18	Malin Head	cpr.bc	bcc	bc	bc
	Aldergrove	cr.	cp.bc	cpr.bc	bc
	Donaghadee	cid.c	id.cbc	cid.c	c
19	Birr Castle	dcbcy	bcc	c	c
20	Valentia Obsy.	bcc	c	cr.r.	cd.d.c
	Roches Point	odbcv	bcvc	cvcirc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

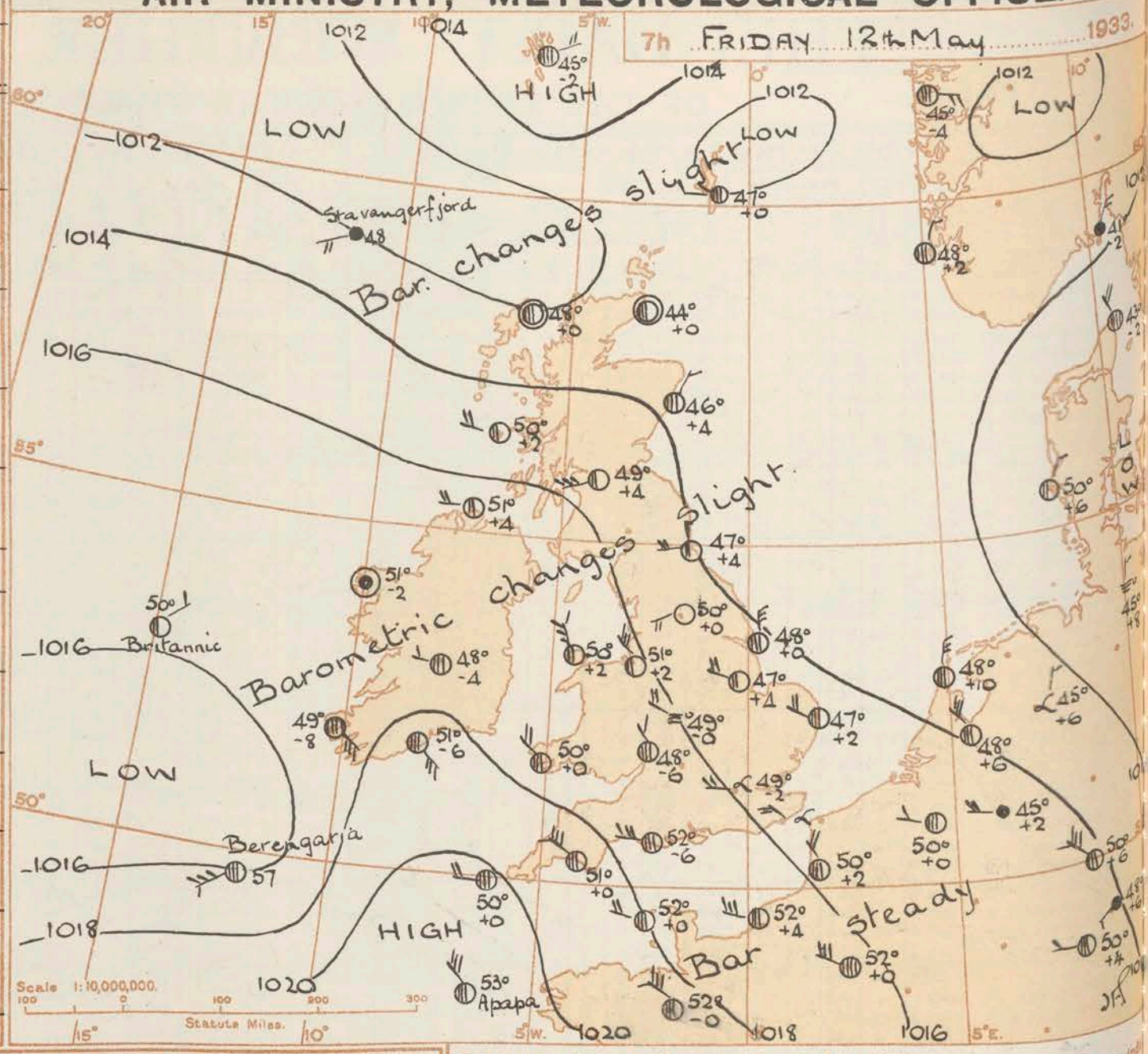
REPORTS from HEALTH RESORTS for 11th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 10th to 9h. 11th	Temperature. Max. 9h.—17h. 11th	Rainfall. Night. 17h. 10th to 9h. 11th	Rainfall. Day. 9h.—17h. 11th	Sunshine. Sunrise to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
1	Tunbridge W.	bbc	op	45	58	Trace	Trace	5·3	3·8
	Bournemouth	bc	o	46	61	-	-	2·7	3·8
	Ventnor ...	pco3	o3ou	47	58	1	-	0.7	7.2
	Southsea ...	c	ocp	47	60	2	Trace	0·6	4·8
	Bognor Regis	bcc	coroc	46	58	Trace	0·5	1·7	4·8
	Littlehampton	c	c	47	57	0·1	-	1·1	3·5
	Worthing ...	bcc	c	46	58	-	-	2·0	3·1
	Brighton ...	bcc	coro	46	58	-	0.4	2·9	2·8
	Eastbourne†	bcc	coror	47	59	-	0·2	4·1	3·5
	Hastings† ...	cbcb	cor	44	58	-	0·5	5·9	2·7
	Folkestone ...	bcc	cor.	47	58	-	Trace	5·3	2·0
	Dover... ...	bcc	co	48	58	Trace	-	3·2	1.7
	Deal	pc	bco	47	59	-	-	2·2	1·3
	Ramsgate ...	cbc	bcc	47	58	-	-	3·0	0·2
	Margate ...	c	bcc	47	56	-	-	2·5	0·2
2	Southend ...	bbcc	cor.	47	57	-	Trace	2·1	0.3
	Maldon ...	bcc	cdo	48	56	-	Trace	2.4	0.4
	Clacton-on-Sea	bcc	cog	46	57	0·1	-	1·2	0·1
	Dovercourt ...	bccbc	roc	46	59	-	Trace	2·5	0.0
	Lowestoft ...	cbc	bcc	45	53	0·1	-	0·8	0.0
	Skegness ...	bco	od	45	53	-	Trace	2·9	0.0
	Mablethorpe	co	or.	43	62	-	Trace	3·3	0.0
	Cleethorpes ...	bcc	co	43	53	-	Trace	3·0	0.0
3	Leamington S.	oprc	cpdo	45	56	1	Trace	0·2	2·7
4	Cheltenham†	bcqc	cirom	47	59	-	3	1·3	2·1
5	Bath	cbcc	cbc	48	61	-	-	3·1	2·1
	Weymouth ...	cbc	bc	47	61	-	-	4·4	3.0
	Jersey ...	bc	bc	48	59	-	-	10·0	9.0
	Torquay ...	cbcc	c	46	62	-	-	4·6	4·3
	Penzance ...	cbc	ocbcb	48	59	-	-	4·1	10·5
	St. Ives ...	c	c	50	55	-	-	4·4	10·1
	Bude	cbc	pbc	41	56	-	Trace	3.4	5·1
	Ilfracombe ...	cbc	cbc	45	57	-	-	3·2	3.4
6	Aberystwyth	bcc	cbc	47	55	-	-	2·9	4·2
7	Llandudno ...	c	c	49	54	-	-	0·0	10·3
	Colwyn Bay...	o	oc	47	56	-	-	0.0	9·6
	Rhyl								
8	Wallasey ...	bcc	cbc	48	53	-	-	1·4	10.7
	Southport‖ ...	bcco	ocbc	49	54	-	-	0·9	9.0
	Blackpool ...	cbc	c	48	54	-	-	3·1	7·7
	Morecambe ...	b	cbbcb	50	56	-	-	5·6	7·3
9	Ilkley... ...	cprc	c	39	54	-	Trace	0·0	2·3
10	Berwick-on-T.	o	opro	44	48	-	0·1	0.0	4·1
11	Dunbar ...	cr.	orr	44	48	-	1	0·1	1·3
12	Troon... ...	wco	ocrc	47	54	Trace	Trace	0·8	1·3
	Douglas ...	cbc	cbbc	45	57	-	-	4·0	7.6

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY 12th May 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light northwest to variable breeze; mainly fair but local showers; local fog early morning; moderate temperature
5. S.W. England	Light or moderate variable wind; cloudy or dull, rain at times; moderate temperature
6. South Wales 7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England	As 1 - 4.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland	Light westerly or variable wind; bright intervals, local showers; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Light variable wind; local rain; moderate temperature.

GENERAL INFERENCE.

Pressure is rather uniform over the British Isles. A shallow depression off Southwest Ireland will probably move east-southeast, but a larger disturbance further west will probably extend its influence slowly over southern districts. During the next 24 hours weather will be fair in most districts apart from local showers, but rain is probable in the southwest.

FURTHER OUTLOOK.

Local showers and bright intervals in the North; doubtful in the South.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Friday,
12TH MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1:4×10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 12h May 1933.

No. 26-104

OBSERVATIONS at 1 hr. G.M.T. 12h May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility f-9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·1	+2	WNW	3	3o	49	95	6	5	-	-	7-8	7-8	4000
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·2	-6	WNW	3	m	48	96	4	5	-	-	1	1	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014·9	-6	NW	2	id.	47	95	7	6	-	-	10	10	800
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1017·4	+4	W	3	c	51	95	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1020·3	0	W'N	3	r	51	95	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1020·9	0	NNW	4	c	51	95	7	5	-	-	7-8	7-8	4000
	Guernsey ...	175	1018·4	+4	NW	2	bc	50	95	8	7	-	-	4-6	4-6	4000
6	Pembroke ...	142	1019·5	0	WNW	2	c	52	75	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1016·7	0	NNW	2	c/po	50	95	7	8	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014.6	0	-	0	id.	47	95	7	6	2	-	7-8	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014.2	-2	S	2	o/r	45	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1014·1	0	SW	2	c	45	95	7	5	8	-	8	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012·0	-2	-	0	c	46	95	7	8	6	-	4-6	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013.8	-2	SSW	2	c	43	95	8	8	1	-	7-8	10	1500
16	Lerwick ...	54	1012·8	-2	NNW	1	c	42	95	7	5	2	-	7-8	10	1600
17	Blacksod Point	18	1018·1	-4	-	0	c	50	95	7	7	-	-	7-8	7-8	450
18	Malin Head ...	52	1016·6	0	W	1	bc	47	95	7	5	3	-	1	2·3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.9	-6	W	2	DD	50	95	4	6	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 12h May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-8 (22)	Cloud. Form. Low (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1016·3	+2	WSW	2	c	49	95	5	5	-	-	9	9	4000	1	*
	Croydon ...	1016·0	-2	W	2	3o	49	95	6	5	3	6	4-6	9+	5700	1	*
	S. Farnborough	1016·4	+2	W	1	c	47	95	6	5	7	-	2-3	9+	5700	1	*
	Winchester ...	1017·0	0	-	0	c	46	95	7	5	-	-	9+	9+	7200	1	*
	Boscombe Down	1016·6	0	W'N	2	ic	48	95	6	5	-	-	10	10	2500	0	*
	Calshot, (S'thmtn)	1016·5	+2	SW	2	c	49	85	6	5	2	-	7-8	10	4000	0	1
	Dungeness ...	*	*	NW	2	c	*	*	5	-	7	*	0	7-8	-	*	0
	Lympne ...	1015·6	+6	NW	2	3o	48	95	5	5	3	-	2-3	9+	4000	1	*
2	Shoeburyness	1015·5	+2	NNW	2	c	50	85	6	5	7	-	2-3	9+	5700	1	*
	Felixstowe ...	1015·2	0	WNW	1	3o	50	95	5	5	1	-	9	10	1500	0	0
	Gorleston ...	1014·5	+2	W'N	2	c	47	95	6	5	-	-	10	10	2500	0	2
	Cranwell ...	1015·3	+4	WNW	1	b	47	85	6	5	-	-	Tr	Tr	4000	1	*
3	Birmingham ...	1016·3	0	NW	2	m	49	85	4	-	7	-	0	9+	-	1	*
	Upper Heyford	1016·5	0	W	1	c	47	95	6	5	7	-	4-6	9	2500	1	*
4	Ross-on-Wye ...	1016·5	-6	N'W	1	c	48	95	8	6	2	-	2-3	10	2500	1	*
5	Portland Bill...	1016·8	-6	WNW	3	c	52	95	7	5	-	-	10	10	2500	0	2
	Plymouth ...	1018·7	0	NNW	4	c	51	75	8	5	2	-	Tr	9+	1500	1	2
	The Lizard ...	1019·8	+2	NW	3	c/pr	50	95	8	8	-	-	10	10	2500	1	2
	Scilly (St. Mary's)	1020·1	0	W	2	c/r	51	95	7	8	-	-	9	9	2500	1	2
	Guernsey ...	1018·8	0	WNW	2	c	52	85	7	8	-	-	10	10	2500	0	3
6	Pembroke ...	1017·3	0	NW	2	c	50	85	7	5	-	-	9+	9+	2500	0	2
7	Holyhead ...	1016·9	+2	NNW	4	6c	50	85	7	5	3	-	4-6	4-6	4000	0	1
	Chester (Sealand)	1016·4	+2	NW'N	3	c	51	85	6	5	3	1	4-6	7-8	1500	1	*
8	L'pool (Bidston)	1016·4	0	NNW	3	c	50	85	7	8	1	-	7-8	10	2500	0	*
9	Harrogate ...	1014·9	0	WSW	2	b	50	75	8	-	4	-	0	Tr	-	1	*
10	Spurn Head ...	1014·1	0	N	3	c	48	95	6	5	2	-	7-8	9+	800	0	1
	Catterick ...	1014·7	+4	NW'W	2	bc	51	75	8	-	3	-	0	2-3	-	1	*
	Tynemouth ...	1013·7	+4	W	2	bc	47	75	6	2	-	-	2-3	2-3	2500	1	1
11	Inchkeith ...	1014·6	+4	SW	2	c	46	95	7	8	3	-	4-6	7-8	2500	1	2
	Leuchars ...	1014·6	+4	SW	2	c	47	75	8	5	6	-	9	9	5700	1	*
12	Renfrew (Abbotts I)	1014·8	+2	WSW	3	bc	49	85	7	-	-	-	2-3	2-3	4000	1	*
	Eskdalemuir ...	1014·6	+2	NW	2	c	48	75	8	8	-	-	7-8	7-8	1500	1	*
13A	Tiree	1015·4	+2	WNW	2	bc	50	85	8	3	3	-	Tr	4-6	2500	1	3
13B	Stornoway ...	1011·9	0	-	0	c	48	95	8	8	6	-	4-6	7-8	1500	1	0
15	Dalwhinnie ...	1014·8	0	N	2	c	45	75	8	4	2	-	4-6	9	2500	1	*
	Aberdeen ...	1013·9	+4	NE	1	c	46	95	6	5	-	-	9+	9+	1500	1	1
	Wick	1013·3	0	-	0	c	44	95	8	8	1	-	9	10	1500	1	1
16	Lerwick ...	1012·1	0	W	1	c	44	85	8	5	7	-	7-8	9	1500	0	*
17	Blacksod Point	1017·5	-2	-	0	ic	51	85	8	5	-	-	9	9	220	0	1
18	Malin Head ...	1016·2	+4	W	2	bc	51	85	7	2	4	-	1	2·3	1500	0	1
	Aldergrove ...	1017·2	+2	SSW	2	bc	45	95	8	5	-	-	4-6	4-6	5700	1	*
	Donaghadee ...	1017·0	+6	NW	2	c	48	85	8	7	3	8	4-6	7-8	2500	0	1
19	Birr Castle ...	1017·7	-4	W	1	c	48	95	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1017·5	-8	SE'E	3	c/do	49	85	8	5	-	-	10	10	1500	1	3
	Roches Point...	1018·1	-6	SE	3	c	51	85	8	3	-	-	7-8	7-8	2500	1	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 18h Hrs. (36)
1	London (Kew)...	60	45	34	0·5	1	4·1
	Croydon ...	60	45	37	3	0·3	3·6
	S. Farnborough	62	43	38	0·1	0·3	1·2
	Winchester ...	59	42	38	Tr.	1	0·7
	Boscombe Down	59	42	37	-	Tr	2·7
	Calshot, (S'thmtn)	58	46	42	Tr.	-	0·9
	Dungeness ...	56	47	*	Tr.	-	*
	Lympne ...	56	45	42	Tr.	0·6	3·8
2	Shoeburyness	57	43	38	Tr.	1	1·2
	Felixstowe ...	57	46	45	Tr.	1	2·1
	Gorleston ...	54	46	44	-	0·3	1·8
	Cranwell ...	51	43	40	0·6	0·2	0·2
3	Birmingham ...	55	45	38	0·6	-	0·4
	Upper Heyford	59	42	32	2	-	*
4	Ross-on-Wye ...	61	47	42	1	-	4·0
5	Portland Bill...	56	50	*	-	-	*
	Plymouth ...	60	48	43	-	-	6·9
	The Lizard ...	59	49	*	-	2	*
	Scilly (St. Mary's)	58	50	*	-	2	4·9
	Guernsey ...	59	50	47	-	-	9·4
6	Pembroke ...	56	47	*	-	-	5·8
7	Holyhead ...	58	49	39	Tr.	Tr	2·9
	Chester (Sealand)	56	44	35	-	Tr	4·3
8	L'pool (Bidston)	53	46	44	-	-	2·1
9	Harrogate ...	50	42	36	0·4	1	0·0
10	Spurn Head ...	52	45	*	-	Tr	4·1
	Catterick ...	51	39	37	0·3	3	0·0
	Tynemouth ...	48	44	41	0·3	1	*
11	Inchkeith ...	49	43	36	1	1	0·0
	Leuchars ...	49	41	32	0·3	4	0·1
12	Renfrew (Abbotts I)	56	42	38	Tr.	-	2·3
	Eskdalemuir ...	53	38	32	0·6	Tr	0·0
13A	Tiree	54	45	35	Tr.	0·5	4·7
13B	Stornoway ...	51	45	*	Tr.	1	0·82
15	Dalwhinnie ...	50	32	24	2	Tr	0·2
	Aberdeen ...	48	43	42	-	0·4	0·0
	Wick	47	42	*	-	1	*
16	Lerwick ...	47	41	*	-	-	0·0
17	Blacksod Point	56	46	*	Tr.	Tr	*
18	Malin Head ...	54	46	*	0·1	-	4·2
	Aldergrove ...	59	38	30	Tr.	0·4	3·8
	Donaghadee ...	55	42	*	Tr.	0·2	*
19	Birr Castle ...	62	45	39	0·1	-	8·4
20	Valentia Obsy.†	56	48	47	-	3	6·0
	Roches Point...	62	47	*	0·1	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	c	ccrcm.	ci,Ccdcmw	60	45	34	0·5	1	4·1	*	*	7
CROYDON	217	bcc3.	c3.Rrr	c,Ccmbcm.	60	45	37	0·3	0·3	3·6	*	*	6
GREENWICH (Royal Observatory) ...	149	c	crsc	cd.cbc	59	47	39	0·3	Tr	1·2	64	67	6
CITY (Bunhill Row)	—									2·3	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	*	*	*	*	*	1·8	60	69	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	59	45	40		1	2·6	67	69	*
CAMDEN SQUARE	110				60	45	39	0·3				68	
KENSINGTON	80	c	ccrc	*	60	46	42	0·5	-	*	*	*	*
HAMPSTEAD OBSERVATORY	450	bc	bcco	*	59	46	36	1	Tr	2·5	At 18h. 69		*
		cbc	ccp	o	57	43	35	0·3	Tr	4·0	96 *	69	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 12h

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0·6	18-19h 11h	Nil.	0-5h 12h

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·2	21h 11h	<0·1	12h 11h

FOREIGN OBSERVATIONS.

18h. G.M.T. 11h May — Th. G.M.T. 12h May

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	Th. Barom. mb.	Th. Wind. Direc.	Th. Wind. Force.	Th. Weather.	Th. Temp. °F.
PARIS	1016·3	NNW	2	c	55	1016·1	WNW	3	o	52
BRUSSELS	1014·3	NW'W	3	c	50	1014.4	W	1	c/p	50
BERLIN	1006·9	ENE	1	c	59	1009·8	NW'N	1	3o	48
ZÜRICH	1012·4	W'N	S	c	48	1014·7	WNW	3	c	46
ROME	1007·9		3	bc	63	1009·9	NNE	2	bc	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	50	-	-
55	43	1	3
64	46	Tr	4
55	45	8	7
68	46	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 13th May 1933.

No. 26.105

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 12th May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1016·3	+2	NW	2	c	59	45	7	7	3	-	2-3	7-8	4000
	Croydon ...	1016·2	+2	WNW	4	c	60	45	8	7	3	-	7-8	9	5700
	S. Farnborough	1016·0	-4	WNW	2	bc	63	55	7	1	3	9	2-3	4-6	4000
	Winchester ...	1016·6	+2	NE.	1	c	56	75	7	8	7	-	9	10	2500
	Boscombe Down	1016·5	+2	NW.	3	u	55	75	6	8	2	-	7-8	10	1500
	Calshot, S'thmtn	1016·8	+2	S'E	2	pr_o	55	85	7	8	2	-	7-8	9	2500
	Dungeness ...	*	*	SW	4	c	*	*	6	8	-	*	7-8	7-8	1500
	Lympne ...	1015·5	+2	WNW	1	c	60	55	7	2	-	-	7-8	7-8	4000
2	Shoeburyness	1015·6	+2	NNW	2	c	60	65	7	8	-	-	9	9	4000
	Felixstowe ...	1015·2	-4	SE'E	2	bc	53	85	6	8	-	-	4-6	4-6	2500
	Gorleston ...	1015·8	+6	ESE	1	c	51	86	6	5	-	-	10	10	2500
	Cranwell ...	1015·2	0	NW'N	2	c	59	55	7	8	-	-	9	9	4000
3	Birmingham ...	1015·9	0	NNW	2	c	56	65	6	6	-	-	7-8	7-8	1500
	Upper Heyford	1016·3	-2	W	1	c	59	55	8	2	7	-	4-6	7-8	2500
4	Ross-on-Wye ...	1016·2	0	NW	2	c	59	65	9	8	-	-	9	9	4000
5	Portland Bill...	1017·4	+2	W'N	4	c	54	85	7	5	-	-	7-8	7-8	2500
	Plymouth ...	1018·3	-6	WNW	4	c	58	55	9	5	3	-	7-8	9	4000
	The Lizard ...	1019·9	0	S	2	c	55	85	8	8	7	-	7-8	10	2500
	Scilly (St.Mary's)	1019·5	-4	SW	2	ir_o	52	85	6	5	-	-	9+	9+	2500
	Guernsey ...	1019·1	+2	WNW	3	bc	58	65	8	7	3	1	2-3	4-6	4000
6	Pembroke ...	1018·0	0	-	0	c	53	85	7	7	6	1	4-6	7-8	4000
7	Holyhead ...	1017·7	+4	NW'W	3	bc	53	75	9	2	-	8	1	2-3	4000
	Chester (Sealand)	1017·3	+4	WNW	4	bc	54	65	8	1	-	-	2-3	2-3	4000
8	L'pool (Bidston)	1017·5	+2	NW	3	bc	52	75	8	7	-	-	4-6	4-6	4000
9	Harrogate ...	1015·0	0	W	1	c/pr	56	55	9	3	-	-	9+	9+	4000
10	Spurn Head ...	1014·8	0	E	1	c	42	85	6	3	7	-	4-6	7-8	4000
	Catterick ...	1014·5	0	NW	2	c	58	45	8	9	-	-	7-8	7-8	2500
	Tynemouth ...	1014·5	+2	NNW	1	bc	51	75	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1014·1	-2	N	1	c	55	75	8	8	6	-	4-6	7-8	4000
12	Leuchars ...	1014·1	-4	SW	2	bc/pr	51	65	8	8	-	-	4-6	4-6	2500
	Renfrew (Abbotts I.)	1014·8	+2	W	4	c	55	65	8	8	-	-	7-8	7-8	4000
	Eskdalemuir ...	1014·2	-2	WNW	4	c	55	45	8	7	-	-	7-8	7-8	4000
13A	Tiree	1016·2	0	W'N	3	bc	53	75	9	2	3	-	2-3	2-3	4000
13B	Stornoway ...	1012·1	0	NW	3	c/pr	54	65	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1014·0	-2	NW	2	bc	54	55	8	4	1	3	2-3	4-6	2500
	Aberdeen ...	1013·8	-4	S'E	1	pr	51	85	6	3	3	-	7-8	9	1500
	Wick	1013·8	-2	SSE	1	c	46	95	8	8	1	-	4-6	9	1500
16	Lerwick ...	1011·7	0	W	3	pr_o	47	85	8	8	7	-	7-8	9+	1500
17	Blacksod Point	1017·0	0	-	0	c	55	65	8	5	-	-	7-8	7-8	800
18	Malin Head ...	1016·6	0	NW	2	bc	53	85	7	2	4	1	1	2-3	1500
	Aldergrove ...	1016·8	-2	NW	2	c	56	55	9	8	-	-	9	9	4000
	Donaghadee ...	1017·1	+2	NW	1	c/pr_o	51	85	8	7	3	-	4-6	7-8	2500
19	Birr Castle ...	1017·4	-10	SW	1	c	58	65	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1016·2	-6	E'S	2	c	59	75	9	5	-	-	9+	9+	1500
	Roches Point...	1017·5	-6	SE.	3	c	53	85	8	5	-	-	7-8	7-8	2500

District.	Stations.	OBSERVATIONS at 18h. G.M.T. 12th May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	PAST 24 HOURS. Weather. 7h.–13h. 12th (37)	13h.–18h. 12th (38)	18h. 12th to 1h. 13th (39)	1h.–7h. 13th (40)
1	London (Kew)...	1015·8	0	W	3	c	59	65	6	-	3	-	0	9+	-	0	*	bc	bcyc	cbcm$_o$	bcm$_o$c
	Croydon ...	1015·6	+6	W'S	4	c	58	65	8	2	3	-	1	9	4000	1	*	bc$_3$c	bcyc	bcbm$_o$	bm$_o$wc
	S. Farnborough	1016·1	-2	WSW	1	c	56	75	7	5	-	-	9+	9+	4000	1	*	c cbc	ybcc	cpr$_o$bm$_o$	bcm$_o$ec
	Winchester ...	1016·3	-2	-	0	c	54	85	6	5	-	-	9+	9+	5700	1	*	cpr$_o$c	cprcm$_o$	cbcm$_o$	cm$_o$
	Boscombe Down	1016·3	-2	-	0	c	55	85	6	8	2	-	9	9+	5700	0	*	cr$_o$cm$_o$u	cm$_o$	cbcm$_o$	bccc$_o$r$_o$
	Calshot, S'thmtn	1016·4	0	-	0	c	56	85	6	5	7	-	7-8	9+	5700	0	0	cm$_o$pr$_o$	cm$_o$	cbcw	bcwc
	Dungeness ...	*	*	SW	3	c	*	*	6	8	-	*	10	10	1500	*	2	c	c	*	c
	Lympne ...	1015·5	0	WSW	2	c	55	75	7	5	-	-	9	9	7200	20	*	bc$_3$c	pr$_o$c	cbc	c m$_o$
2	Shoeburyness	1015·2	-2	NNW	2	c	55	85	6	5	3	-	4-6	7-8	5700	0	*	cm$_o$cbc	cbc	bc	bcwcm$_o$
	Felixstowe ...	1015·2	-2	ESE	2	c	53	95	6	7	-	-	7-8	7-8	2500	1	1	c$_3$m$_o$bc$_3$	bc$_3$c pr$_o$m$_o$	bcm$_o$cm$_o$	cm$_o$3$_o$
	Gorleston ...	1015·8	+2	SE'E	2	bc	50	85	7	-	4	-	0	2-3	-	0	2	c	cbc	bcc	cr$_o$r$_o$c$_3$
	Cranwell ...	1015·0	0	WNW	1	c	57	65	6	8	-	-	9+	9+	4000	1	*	bbc$_3$	cy$_3$	cm$_o$	cm$_o$
3	Birmingham ...	1015·9	-4	NNW	3	bc	56	55	8	4	-	-	2-3	2-3	5700	1	*	cbc	cbc	b	bbc
	Upper Heyford	1016·2	0	N	1	c	54	75	7	5	3	-	Tr.	9+	4000	1	*	cr$_o$bc	bccyc	cbcc	cr$_o$r$_o$
4	Ross-on-Wye ...	1015·8	-4	E'S	1	bc	57	75	8	5	-	-	4-6	4-6	4000	0	*	cp$_o$c	c	bccb	cor$_o$
5	Portland Bill...	1016·9	-2	W'S	4	c	53	85	8	5	-	1	4-6	7-8	2500	0	3	c	c	bc	bcc
	Plymouth ...	1017·8	-6	SW	3	c	53	85	8	8	-	-	9	9	4000	1	2	cbccvy	cvy	c	coddm
	The Lizard ...	1018·8	-10	SSW	2	r	51	85	8	5	-	-	10	10	2500	1	2	pr$_o$c	cr$_o$	orfff	FFdf
	Scilly (St.Mary's)	1016·7	-14	SSE	3	df	51	95	3	5	-	-	10	10	<150	1	2	ir$_o$p$_o$	cid$_o$	fffid$_o$	fffid$_o$
	Guernsey ...	1018·6	-4	W'N	3	bc	54	75	8	7	3	-	4-6	4-6	4000	0	3	cpc	cbc	bcco	oor$_o$r
6	Pembroke ...	1017·6	-4	WNW	1	bc	53	75	7	5	-	-	2-3	2-3	4000	0	1	c	cbc	cvc	cid$_o$c
7	Holyhead ...	1016·8	-6	SW'W	3	b	53	65	8	4	3	1	Tr.	1	4000	0	1	bcb	by	bcbw	cr$_o$
	Chester (Sealand)	1017·0	-2	NW	3	bc	55	65	9	1	-	6	Tr.	4-6	4000	0	*	cid$_o$r$_o$bc	bv	bbcw	bcc
8	L'pool (Bidston)	1016·7	-2	NW'W	3	b	53	65	8	-	-	-	0	0	-	0	*	cir$_o$bc	bcb	bbvb	bbcbc
9	Harrogate ...	1014·5	0	W	2	b	57	55	8	8	-	-	1	1	4000	1	*	bbccp	cb⊕	b	bbc
10	Spurn Head ...	1014·7	0	SSE	2	c	51	95	6	5	7	-	4-6	7-8	800	0	1	cbcc	cl'pr	c3bcw	bc3c
	Catterick ...	1014·0	-2	SE	1	bc	55	75	8	8	6	9	4-6	4-6	4000	1	*	bccy	cypr$_o$bc⊕	cbc	bbc
	Tynemouth ...	1014·8	-4	SSE	2	c/pr$_o$	50	85	7	6	-	-	7-8	7-8	1500	1	1	bcc	bccp$_o$	cb$_o$bcm	bcc
11	Inchkeith ...	1013·2	-6	W	2	bc	55	55	8	2	4	-	4-6	4-6	4000	0	2	c	cbc	bcc	c
12	Leuchars ...	1013·0	-4	N	2	bcjp	53	75	9	9	6	-	4-6	4-6	2500	1	*	bcycpr$_o$	cprbc	cpr$_o$bcc	c
	Renfrew (Abbotts I.)	1014·3	-2	W	4	bc	55	55	9	1	-	-	2-3	2-3	4000	0	*	bc	bc	bcb	b
	Eskdalemuir ...	1013·9	-2	WNW	4	bc	55	55	8	1	-	-	2-3	2-3	4000	1	*	cbcy	bcyby	bybc	bccw
13A	Tiree	1015·7	-2	W	2	bc	52	75	9	8	3	8	1	2-3	2500	0	3	bcpr$_o$	b	bc	bcw
13B	Stornoway ...	1012·1	+4	WNW	2	bc	53	65	8	8	4	1	2-3	4-6	2500	1	1	cpr$_o$q	cpr$_o$	bcpr$_o$	bc
15	Dalwhinnie ...	1014·0	-2	NW	2	bc	51	65	8	4	1	-	2-3	4-6	2500	0	*	c	bc	*	bc
	Aberdeen ...	1013·5	0	N'W	1	c/pr	50	85	7	9	3	-	7-8	9	1500	1	1	cm$_o$pr	cpr	cprc	cbc
	Wick	1013·0	-4	S	2	pr	47	95	8	9	1	-	7-8	9+	1500	1	1	c	cpr	cprbc	bc
16	Lerwick ...	1011·3	-4	WNW	3	c	48	65	8	8	7	-	4-6	7-8	1500	0	*	cpr$_o$	cpr$_o$	c$_p$r$_o$	c
17	Blacksod Point	1016·3	-4	-	0	c	54	65	9	4	-	-	7-8	7-8	800	0	1	ir_o	cbc	r⊘	ir
18	Malin Head ...	1016·2	-4	NW	1	c	51	95	8	2	3	8	Tr.	7-8	1500	0	0	bc	b	c	c
	Aldergrove ...	1016·3	-4	E'S	3	c/pr$_o$	53	75	8	8	-	-	9	9	2500	0	*	bccv	ybcpr$_o$	bcc	ccr$_o$r$_o$
	Donaghadee ...	1016·5	-6	N	1	ir_o	50	75	7	8	-	-	9	9	1500	1	0	cpr$_o$	cir$_o$	circ	cir$_o$
19	Birr Castle ...	1016·1	-8	SW	1	c	57	75	8	5	-	-	9+	9+	2500	0	*	c	c	crc	cir
20	Valentia Obsy.	1015·4	-6	NW	2	c	54	85	9	5	-	-	10	10	1500	1	2	cv	cvc	cir$_o$	cir$_o$
	Roches Point...	1016·1	-8	SE	3	c	52	85	7	3	-	-	7-8	7-8	1500	0	3	c	cid$_o$c	coid$_o$	oid$_o$c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
< . less than (for cloud height).
⊕, Solar halo. ⊕ lunar halo. gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +. has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

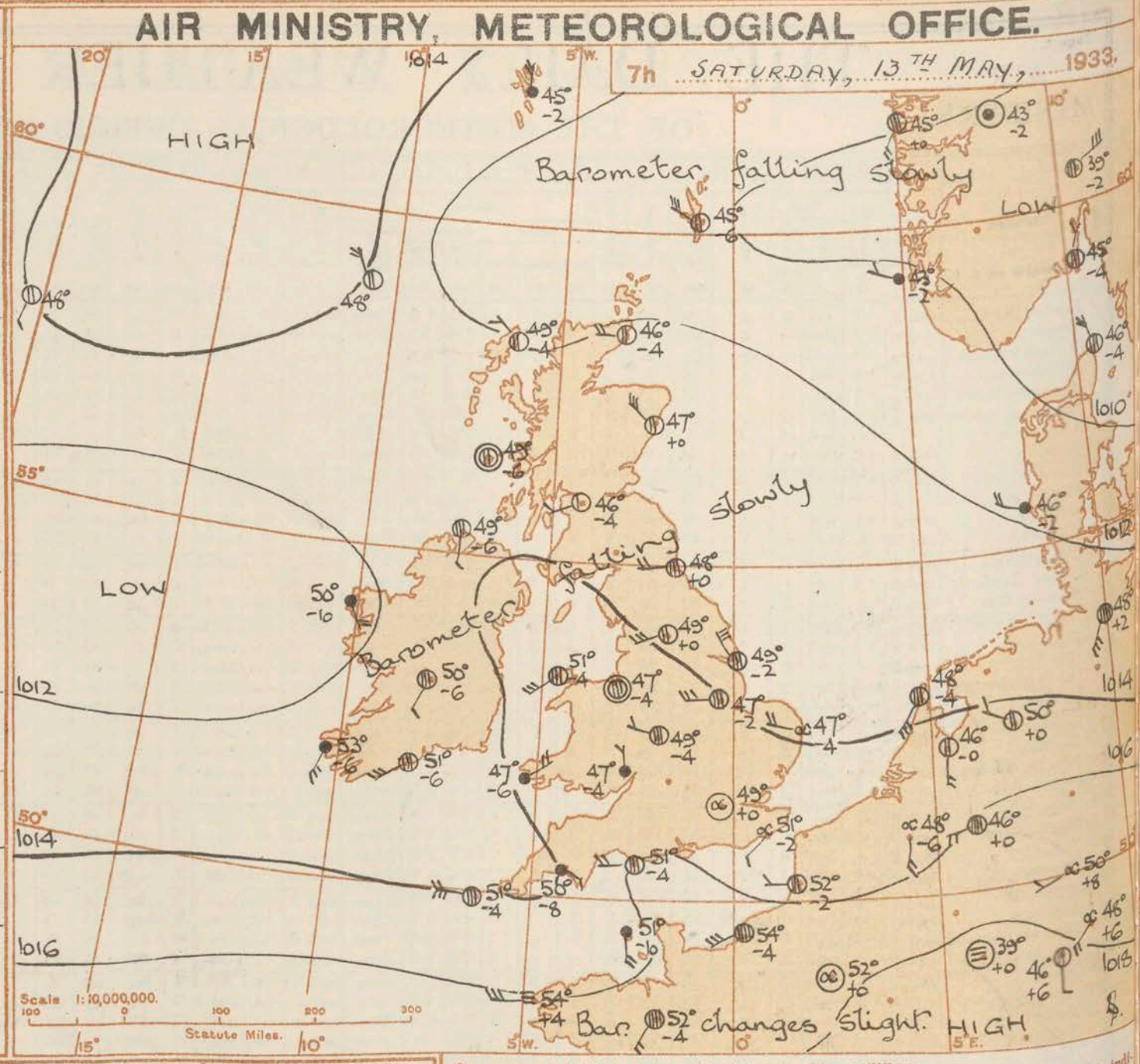
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 12h May 1933

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 11th to 9h. 12th	Temperature. Max. 9h.—17h. 12th	Rainfall. Night. 17h. 11th to 9h. 12th	Rainfall. Day. 9h.—17h. 12th	Sunshine. Sunrise to 17h. 12th	Sunshine. Sunrise to Sunset. 11th
1	Tunbridge W.	bc	bcc	41	63	1	-	6.0	5.3
	Bournemouth	oc	c	48	65	-	-	4.5	3.7
	Ventnor ...	cobc	ozcw	48	58	-	-	0.9	0.7
	Southsea ...	oc	od.o	47	58	-	Trace	0.2	0.6
	Bognor Regis	cbc	cbco	45	59	3	-	0.5	1.7
	Littlehampton	c	c	45	60	3	-	0.2	1.2
	Worthing ...	cbc	c	46	61	1	-	2.2	2.0
	Brighton ...	bcc	co	47	59	0.1	-	2.1	3.0
	Eastbourne†	cbcc	cbcc	47	61	0.5	-	4.1	4.1
	Hastings† ...	bccbc	bcc	45	62	0.4	-	4.8	5.9
	Folkestone ...	bc	bc	48	60	1	-	5.6	5.3
	Dover... ...	c	cbe	48	59	1	-	3.5	3.2
	Deal	ocbc	bc	49	60	1	-	6.5	2.2
	Ramsgate ...	cbc	bc	49	59	1	-	6.1	3.0
	Margate ...	cbc	bc	49	60	1	-	5.5	2.5
2	Southend ...	cbc	bc	47	62	1	-	4.4	2.1
	Maldon ...	cb	bcc	47	61	Trace	-	5.0	2.4
	Clacton-on-Sea	ogro	gcpc	48	58	2	0.4	2.6	1.2
	Dovercourt ...	dbc	bcroc	47	59	2	4	3.6	2.5
	Lowestoft ...	d.cbc	b	45	53	Trace	-	2.6	0.8
	Skegness ...	rom	bbcpm	48	54	Trace	Trace	5.4	2.9
	Mablethorpe	cbc	bcc	45	55	0.5	-	6.5	3.3
	Cleethorpes ...	bcctk	bc	45	57	1	1	6.9	3.0
3	Leamington S.	bcco	ccbc	42	59	-	-	1.0	0.3
4	Cheltenham†	ccbcc	oipc	44	60	2	0.5	1.4	1.3
5	Bath	cbcc	cbc	49	62	Trace	-	3.5	3.4
	Weymouth ...	cbc	cby	50	61	-	-	3.1	4.9
	Jersey ...	c	cbc	50	59	-	-	2.0	11.2
	Torquay ...	bc	bcc	50	62	-	-	3.0	6.3
	Penzance ...	rso	o	49	56	2	-	0.0	5.5
	St. Ives ...	o	c	49	58	3	-	0.6	5.9
	Bude	cbc	bc	49	55	-	-	5.3	5.2
	Ilfracombe ...	bcb	b	50	56	-	-	8.5	5.1
6	Aberystwyth	bcc	cbcb	48	55	-	-	7.1	4.2
7	Llandudno ...	bcb	b	48	55	3	-	7.9	0.3
	Colwyn Bay ...	robc	b	46	57	2	-	7.5	0.5
	Rhyl								
8	Wallasey ...	cor	bcbcb	48	55	1	-	6.2	1.8
	Southport‖ ...	cbcb	b	48	57	-	-	7.2	1.5
	Blackpool ...	cbc	bcb	48	56	0.5	-	8.7	4.1
	Morecambe ...	b	b	47	57	-	-	8.5	6.4
9	Ilkley... ...	bc	b	43	62	2	-	8.8	0.0
10	Berwick-on-T.	bcc	robc	43	55	1	Trace	6.1	0.0
11	Dunbar ...	r bc	bc	44	57	7	-	7.1	0.1
12	Troon... ...	wbc	cbcbc	46	56	-	-	10.2	2.4
	Douglas ...	cbbc	bc	46	56	0.3	-	10.4	6.4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 1/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light variable wind; dull; rain or drizzle at times; moderate temperature.
5. S.W. England 6. South Wales	Moderate or light variable to westerly wind; dull, some drizzle; local coast and hill fog; moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	As 1 - 4.
11. S.E. Scotland	Light variable wind; mainly fair, but local showers; moderate temperature.
12. S.W. Scotland & Isle of Man	
13. {A. W. Scotld. B. N.W. Scotland.	Light variable wind; variable cloud, rain at times in south of district; moderate temperature.
14. Mid-Scotland 15 N.E. Scotland 16. Orkneys and Shetlands.	As 11.
17. N.W. Ireland 18. N.E. Ireland	As 1 - 4.
19. S.E. Ireland 20. S.W. Ireland	As 5 - 6.

GENERAL INFERENCE.

A shallow depression off West Ireland will move east or east-south-east. Weather will be mainly fair in Scotland but elsewhere conditions will be dull with rain or drizzle at times.

FURTHER OUTLOOK.

Not much change.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0930 G.M.T.

H.M. Stationery Office Press, Kingsway W.C.2
P8755/2573 Wt. 47/0 6001 6p 9/33 23960/5733

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere

Morning of
Saturday,
13TH MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1·4×10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 13th May 1933.

No. 26.105

OBSERVATIONS at 1 hr. G.M.T. 13th May

Division	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016.0	+2	SW	1	3o	46	95	6	5	-	1	1	2-3	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.9	0	WNW	2	C	48	95	7	5	3	-	2-3	9	7200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1015.5	-2	-	0	r.r.	48	95	6	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.0	-6	W'N	2	bc	51	95	7	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1015.6	-10	SE	3	F	51	95	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1015.8	-4	W'S	2	dF	52	95	1	5	-	-	10	10	4150
	Guernsey ...	175	1017.8	+4	WSW	1	C	51	85	8	5	-	-	10	10	4000
6	Pembroke ...	142	1015.3	-4	-	0	C	50	95	7	5	-	-	10	10	4000
7	Holyhead ...	26	1015.7	-6	S'E	2	C	48	95	8	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014.0	-2	WSW	2	bc	47	95	6	5	1	-	2-3	4-6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1013.4	-4	W	2	bc	47	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1014.3	+6	W	2	C	47	75	8	5	-	-	7-8	7-8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012.1	-2	W	1	bc	42	95	8	8	7	-	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.7	-8	W	2	bc	40	95	8	3	4	-	2-3	4-6	2500
16	Lerwick ...	54	1010.9	-2	NW	1	c/pr	44	95	7	5	7	-	4-6	9+	1500
17	Blacksod Point	18	1014.4	-8	-	0	C	50	95	7	5	-	-	9+	9+	220
18	Malin Head ...	52	1015.2	-8	SW	1	C	46	95	8	5	2	-	1	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1014.3	-6	-	0	0	51	95	6	5	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 13th May

Division	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1015.2	0	-	0	C	50	85	6	1	2	-	7-8	10	1500	0	*
	Croydon ...	1015.2	0	-	0	3o	49	85	5	5	7	-	7-8	10	4000	1	*
	S. Farnborough	1015.1	-2	-	0	C	46	95	6	5	1	-	3	10	5700	1	*
	Winchester ...	1015.2	-2	-	0	id.	44	95	6	-	2	-	0	10	-	1	*
	Boscombe Down	1015.3	0	-	0	rr	44	95	6	5	2	-	4-6	10	4000	0	*
	Calshot, (S'thmtn)	1015.1	0	WNW	1	C	48	85	7	5	9	-	4-6	10	5700	0	1
	Dungeness ...	*	*	SSW	2	C	*	*	5	5	7	*	4-6	9+	1500	*	0
	Lympne ...	1015.0	-2	SW	1	3o	51	85	5	5	7	-	9	9+	7200	1	*
2	Shoeburyness	1014.9	-2	NW	1	C	51	85	6	5	2	8	7-8	10	4000	0	*
	Felixstowe ...	1014.6	-4	W'N	2	3o	50	75	6	5	-	7	4-6	9+	5700	0	0
	Gorleston ...	1013.3	-4	WNW	2	3o	47	95	5	5	-	-	9+	9+	2500	0	2
	Cranwell ...	1014.0	-2	W	3	3c	47	85	6	5	7	8	4-6	10	4000	0	*
3	Birmingham ...	1015.2	-4	WNW	1	C	49	65	5	-	1	-	0	9+	-	1	*
	Upper Heyford	1015.5	+2	W	1	r.r.	47	85	5	6	2	-	7-8	10	2500	1	*
4	Ross-on-Wye ...	1015.4	-4	N	1	ir.	47	95	6	6	2	-	2-3	10	2500	1	*
5	Portland Bill...	1016.1	-4	W	2	C	51	95	7	8	2	-	7-8	10	1500	0	2
	Plymouth ...	1014.1	-8	ESE	1	d.d.	50	95	5	5	-	-	10	10	220	1	2
	The Lizard ...	1014.0	-2	W	3	df	51	95	2	5	-	-	10	10	800	1	2
	Scilly (St. Mary's)	1014.2	-4	WNW	5	C	51	95	7	5	-	-	9+	9+	4000	1	3
	Guernsey ...	1015.3	-10	S	2	r.r.	51	95	5	6	-	-	10	10	1500	1	2
6	Pembroke ...	1014.1	-6	NE	2	d.d.	47	95	5	8	-	-	10	10	1500	1	1
7	Holyhead ...	1014.4	-4	SW'S	3	C	51	85	8	5	3	-	Tr	9+	800	0	1
	Chester (Sealand)	1015.0	-4	-	0	C	47	95	6	5	2	-	7-8	10	7200	0	*
8	L'pool (Bidston)	1015.0	-6	-	0	C	48	75	8	5	-	8	7-8	9+	2500	0	*
9	Harrogate ...	1013.7	0	WSW	3	bc	49	65	9	-	3	9	0	4-6	-	1	*
10	Spurn Head ...	1013.0	-2	NNW	3	C	49	85	6	5	2	-	4-6	7-8	1500	0	2
	Catterick ...	1013.3	-2	W	2	C	51	65	8	-	4	2	0	7-8	-	1	*
	Tynemouth ...	1012.8	0	W	2	C	48	75	6	4	6	-	4-6	7-8	4000	1	1
11	Inchkeith ...	1013.8	0	SW	3	C	45	85	7	5	-	-	9+	9+	2500	0	2
	Leuchars ...	1013.7	-2	SSE	2	c/p	47	75	9	5	-	8	9	10-	7200	1	*
12	Renfrew (Abbotts I)	1013.8	-4	WSW	1	b	46	85	8	1	-	1	Tr	1	4000	0	*
	Eskdalemuir ...	1013.3	-2	NNW	2	C	48	65	8	-	4	2	0	7-8	-	1	*
13A	Tiree	1012.8	-6	-	0	bc	49	85	8	2	-	6	2-3	4-6	2500	0	2
13B	Stornoway ...	1011.6	-4	NW	1	bc	49	75	9	8	6	-	2-3	4-6	2500	1	0
15	Dalwhinnie ...	1013.8	-6	E	1	bc	44	75	8	4	1	-	2-3	4-6	2500	0	*
	Aberdeen ...	1013.0	0	NW	3	bc	47	75	8	5	4	-	2-3	4-6	4000	1	1
	Wick	1012.3	-4	W	2	bc	46	95	8	8	7	-	2-3	4-6	2500	1	2
16	Lerwick ...	1010.1	-6	WNW	3	bc	45	75	8	5	4	-	2-3	4-6	1500	0	*
17	Blacksod Point	1011.8	-10	SE	2	ir	50	95	7	6	-	-	10	10	450	1	3
18	Malin Head ...	1013.3	-6	S	1	C	49	95	8	2	7	-	Tr	9+	2500	0	0
	Aldergrove ...	1014.2	0	ENE	1	r.r.	46	95	6	6	2	-	7-8	10	800	1	*
	Donaghadee ...	1014.0	-8	-	0	ir.	48	85	7	6	-	-	9+	9+	800	1	0
19	Birr Castle ...	1012.6	-6	SSW	1	C	50	95	7	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1012.9	-6	S'W	3	r.r.	53	95	7	5	-	-	10	10	450	1	3
	Roches Point...	1013.9	-6	SW	3	C	51	95	7	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

Division	Stations	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 12h Hrs. (36)
1	London (Kew)...	63	47	40	-	-	6.0
	Croydon ...	65	46	39	-	Tr	5.6
	S. Farnborough	63	39	32	-	Tr	2.7
	Winchester ...	58	38	33	0.3	Tr	0.7
	Boscombe Down	59	39	33	Tr.	Tr	0.2
	Calshot, (S'thmtn)	57	42	37	Tr.	-	0.2
	Dungeness ...	63	45	*	0.5	-	*
	Lympne ...	60	46	43	Tr.	-	4.6
2	Shoeburyness	62	43	35	-	-	5.7
	Felixstowe ...	55	47	44	0.5	-	3.6
	Gorleston ...	51	47	45	-	0.6	4.5
	Cranwell ...	60	43	41	-	-	8.5
3	Birmingham ...	56	45	34	-	-	2.4
	Upper Heyford	62	45	38	Tr.	0.3	*
4	Ross-on-Wye ...	60	45	38	Tr.	0.2	1.8
5	Portland Bill...	56	50	*	-	-	*
	Plymouth ...	59	49	47	-	0.5	2.5
	The Lizard ...	57	49	*	0.2		*
	Scilly (St. Mary's)	55	50	*	1		0.0
	Guernsey ...	58	50	47	-		3.8
6	Pembroke ...	56	48	*	-	-	7.1
7	Holyhead ...	57	47	40	-	Tr	11.7
	Chester (Sealand)	56	42	35	0.2	-	8.5
8	L'pool (Bidston)	54	46	43	1	-	8.2
9	Harrogate ...	61	42	38	Tr.	-	9.7
10	Spurn Head ...	56	45	*	0.6	Tr	5.6
	Catterick ...	59	43	37	0.1	-	7.0
	Tynemouth ...	53	45	42	0.6	0.1	*
11	Inchkeith ...	58	44	41	-	-	9.9
	Leuchars ...	60	43	34	1	Tr	5.4
12	Renfrew (Abbotts I)	57	39	38	-	-	11.1
	Eskdalemuir ...	59	37	32	-	-	8.7
13A	Tiree	54	40	28	Tr.	-	11.2
13B	Stornoway ...	57	39	*	0.2	Tr	7.9
15	Dalwhinnie ...	56	35	22	-	-	7.2
	Aberdeen ...	54	43	42	8	1	2.7
	Wick	48	36	*	2	0.3	*
16	Lerwick ...	49	42	*	Tr.	0.1	1.3
17	Blacksod Point	56	49	*	Tr.	2	*
18	Malin Head ...	54	44	*	-	-	11.8
	Aldergrove ...	58	45	43	Tr.	1	5.7
	Donaghadee ...	55	45	*	0.4	1	*
19	Birr Castle ...	59	48	44	-	1	0.1
20	Valentia Obsy.†	61	51	50	-	2	0.1
	Roches Point...	56	50	*	Tr.	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bc	bc.c	cb.m.c	63	47	40	-	-	6.0	*	*	5
Croydon	217	bc3o.c	bc.c	bc.m.wc	65	46	39	-	Tr	5.6	*		5
Greenwich (Royal Observatory) ...	149	c.y	c.y	cb.c.d.r.m	67	44	34	-	0.3	5.0	41	86	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8.1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	65	49	44	-		7.5	35	71	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	66	47	40	0.5		8.5	45	83	*
Camden Square	110	bc	bc.c	*	67	49	44	-	0.5	*	*	78	*
Kensington	80	bc	bc	*	65	48	38	-	0.3	7.1	At 18h. 77		*
Hampstead Observatory	450	bc	bc	bc.o.r	65	45	37	-	0.4	8.0	58	79	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 13th

South Kensington. Max.	Time.	Min.	Time.
Defective		Record	

Kew Observatory. Max.	Time.	Min.	Time.
0.3	1h 13h	<0.1	15h 12h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 12th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 13th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.1	NW	3	C	59	1011.9	-	0	3o	52
Brussels						1015.5	S	2	3o	48
Berlin	1009.1	NW	2	bc	55	1012.5	WNW	2	3o	50
Zürich	1014.6	WSW	2	ir	46	1017.5	SSW	1	0	45
Rome	1009.7	NNE	3	bc	57					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	48	-	-
	41		Tr
59	43	-	Tr
55	45	2	2
70		Tr	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†The observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 14th May 1933.

No. 26-106

Diagram	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 13th May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1013·6	-14	SW	2	bc	57	65	6	8	6	-	2-3	4-6	1500
	Croydon	1014·1	-10	WNW	1	c	56	65	5	5	1	-	7-8	10	2500
	S. Farnborough	1013·3	-14	SSW	1	c/r	54	75	7	5	+1	-	~~10~~ 9+	10	1500
	Winchester	1013·5	-12	-	0	c	53	85	7	5	2	-	9	10	1500
	Boscombe Down	1013·7	-10	S	1	$i r_o$	53	85	7	5	2	-	4-6	9	1500
	Calshot, S'thmtn	1013·8	-10	-	0	$i r_o$	54	85	6	8	2	-	4-6	10	1500
	Dungeness	*	*	SW	3	pr	*	*	6	5	-	*	10	10	1500
	Lympne	1014·1	-6	WSW	2	rr	52	85	6	9	-	-	10	10	1500
2	Shoeburyness	1013·9	-6	SSW	2	$i r_o$	52	85	6	6	2	-	7-8	10	1500
	Felixstowe	1013·5	-10	SSW	3	c/r	53	85	7	8	7	-	4-6	9+	4000
	Gorleston	1012·3	-4	NNW	3	bc	57	65	6	3	-	-	4-6	4-6	2500
	Cranwell	1012·3	-12	W	2	c	60	45	7	1	-	6	4-6	7-8	4000
3	Birmingham	1013·5	-10	SSE	1	bc	60	45	8	1	?	-	1	4-6	4000
	Upper Heyford	1013·2	-14	SW	1	c	59	55	8	1	-	4	2-3	7-8	2500
4	Ross-on-Wye	1012·8	-10	SSE	2	c	60	55	8	7	-	8	4-6	7-8	4000
5	Portland Bill	1013·1	-6	SE	3	c	52	95	7	5	-	-	9	9	1500
	Plymouth	1013·4	-2	S	2	2_o	54	95	6	5	-	-	9	9	800
	The Lizard	1014·4	+2	W	3	c	55	95	7	8	-	-	9+	9+	1500
	Scilly (St. Mary's)	1015·2	+2	W'N	4	if	56	95	3	5	-	-	10	10	<150
	Guernsey	1014·2	-2	W	4	o	54	95	7	5	-	-	10	10	2500
6	Pembroke	1013·2	-4	SE	2	c	54	85	7	4	7	6	4-6	7-8	2500
7	Holyhead	1012·8	-10	SW'S	4	c	56	55	9	5	-	1	9+	9+	7200
	Chester (Sealand)	1011·9	-16	ENE	1	bc	63	45	7	1	3	1	4-6	4-6	5700
8	L'pool (Bidston)	1012·5	-4	N	2	bc	57	55	8	1	-	9	1	4-6	4000
9	Harrogate	1012·0	-6	WSW	2	c	57	65	8	2	7	-	2-3	9	4000
10	Spurn Head	1011·9	-4	ENE	3	c	57	95	7	5	3	8	2-3	7-8	2500
	Catterick	1011·7	-6	WSW	3	pr	53	75	8	5	7	-	7-8	9	1500
	Tynemouth	1012·3	-4	NNE	2	bc	49	85	8	2	-	-	4-6	4-6	2500
11	Inchkeith	1012·1	-10	SW	2	c	57	55	8	2	-	6	4-6	7-8	5700
12	Leuchars	1011·7	-14	E	3	c	53	55	8	8	-	6	4-6	7-8	2500
	Renfrew (Abbotts I.)	1011·5	-12	W'S	2	c	57	45	9	1	-	8	2-3	9	4000
	Eskdalemuir	1011·4	-10	SSW	4	c	52	65	8	8	2	-	4-6	9	4000
13A	Tiree	1013·3	-6	N'W	2	b	51	75	9	2	4	8	Tr	1	4000
13B	Stornoway	1011·6	0	SE	1	c	50	85	9	8	6	-	4-6	9	1500
15	Dalwhinnie	1012·5	-8	N	1	c	51	45	8	4	1	-	4-6	10	2500
	Aberdeen	1011·4	-6	E	2	$ph_o(r_o)$	52	65	8	3	3	1	4-6	7-8	4000
	Wick	1011·3	-4	NW	3	c	50	75	8	8	7	8	4-6	7-8	2500
16	Lerwick	1009·3	-6	-	0	c	49	85	8	8	2	-	4-6	7-8	1500
17	Blacksod Point	1009·0	-8	E	5	c	51	95	8	5	-	-	9+	9+	220
18	Malin Head	1012·3	-6	S	1	pr	50	95	8	3	7	-	1	9+	2500
	Aldergrove	1012·8	-6	ENE	2	$r_o r_o$	48	85	7	6	2	-	9+	10	800
	Donaghadee	1012·8	-6	NNE	1	$r_o r_o$	48	85	7	6	-	-	9	9	800
19	Birr Castle	1010·2	-14	S	12	rr	54	95	7	6	-	-	10	10	2500
20	Valentia Obsy.	1012·0	-2	SW'W	4	o	55	95	5	5	-	-	10	10	220
	Roches Point	1011·9	-14	SW	4	rr	53	95	6	6	-	-	10	10	800

Diagram	Stations.	OBSERVATIONS at 18h. G.M.T. 13th May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1011·8	-12	SW	2	bc	59	65	6	2	-	4	1	2-3	2500	1	*
	Croydon	1012·2	-2	SW'W	3	bc	57	65	*	7	-	5	2-3	4-6	4000	#1	*
	S. Farnborough	1012·0	-4	WSW	2	c	56	75	7	7	8	1	4-6	7-8	4000	1	*
	Winchester	1012·2	-6	S'W	2	c	54	85	7	5	2	-	9	10	2500	1	*
	Boscombe Down	1012·4	-2	~~SSE~~ SSW	2	$r_o r_o$	53	95	7	6	2	-	7-8	10	1500	1	*
	Calshot, S'thmtn	1012·7	-2	SSW	2	c	53	85	8	8	7	-	7-8	9+	1500	0	1
	Dungeness	*	*	SW	3	c	*	*	7	8	-	*	9+	9+	800	*	2
	Lympne	1012·5	-8	SW'S	2	c/d	50	95	7	5	3	-	1	7-8	1500	1	*
2	Shoeburyness	1011·9	-12	SSW	2	c	54	85	6	7	7	6	0	7-8	-	1	*
	Felixstowe	1011·6	-4	S'W	3	bc	53	85	7	5	-	1	4-6	4-6	4000	0	1
	Gorleston	1011·5	0	SE	1	c	53	75	6	4	7	-	2-3	7-8	2500	0	2
	Cranwell	1010·7	-4	ESE	2	c	56	75	7	8	-	-	10	10	4000	0	*
3	Birmingham	1011·0	-8	SW	2	c	58	55	8	6	1	6	2-3	9+	2500	1	*
	Upper Heyford	1011·6	-8	SSW	2	c	57	65	7	1	3	4	Tr	9+	4000	1	*
4	Ross-on-Wye	1011·3	-6	SSW	3	$i r_o$	54	85	6	-	2	-	0	10	-	1	*
5	Portland Bill	1012·7	-4	S	2	o	51	95	7	5	-	-	10	10	1500	1	2
	Plymouth	1013·4	0	W	2	2_o	56	95	6	5	7	-	7-8	9+	800	1	1
	The Lizard	1014·5	-2	W	2	bc	53	95	7	4	4	-	4-6	4-6	2500	1	2
	Scilly (St. Mary's)	1014·3	-4	W'S	4	id_o	54	95	6	5	-	-	9+	9+	1500	1	3
	Guernsey	1014·3	+2	WNW	4	o	53	95	4	5	-	-	10	10	800	1	3
6	Pembroke	1011·0	-10	SSW	1	$d_o d_o$	51	95	4	5	-	-	10	10	1500	1	1
7	Holyhead	1011·8	-6	SE	2	DD	49	95	4	6	-	-	10	10	450	1	0
	Chester (Sealand)	1012·2	+8	NNW	2	rr	49	95	6	6	2	-	7-8	10	1500	1	*
8	L'pool (Bidston)	1012·2	+4	NNE	2	rr	48	95	6	6	-	-	10	10	1500	1	*
9	Harrogate	1011·8	0	N	1	rr	49	95	5	6	2	-	9	10	2500	1	*
10	Spurn Head	1011·6	-2	-	0	$r_o r_o$	48	95	6	6	-	-	10	10	1500	1	1
	Catterick	1011·8	+4	NW'N	2	$r_o r_o$	48	95	6	6	-	-	10	10	1500	1	*
	Tynemouth	1013·0	0	E	1	$i r_o$	48	95	7	6	-	-	10	10	1500	1	1
11	Inchkeith	1010·7	-6	NE	1	c	50	75	8	8	5	-	7-8	9	4000	0	1
12	Leuchars	1011·2	-2	E	3	c/p	52	65	8	8	3	2	2-3	7-8	2500	0	*
	Renfrew (Abbotts I.)	1010·3	-8	WSW	3	bc	51	55	9	7	-	-	2-3	2-3	4000	0	*
	Eskdalemuir	1011·2	-2	WSW	3	c	47	85	8	7	7	-	1	9	2500	1	*
13A	Tiree	1012·6	-2	NNW	3	b	51	75	9	2	-	8	Tr	Tr	4000	0	2
13B	Stornoway	1011·3	+2	NNW	3	bc	51	65	9	8	6	-	4-6	4-6	1500	1	1
15	Dalwhinnie	1012·2	0	E	2	bc	49	65	8	4	1	-	2-3	4-6	2500	0	*
	Aberdeen	1011·5	0	-	0	cu	49	75	6	3	3	9	7-8	7-8	4000	1	1
	Wick	1011·5	0	NW	3	bc	49	75	8	8	8	-	4-6	4-6	2500	0	2
16	Lerwick	1009·6	+4	N'E	3	c	46	85	8	8	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1010·5	+12	NNE	5	c	53	85	8	3	-	-	7-8	7-8	800	0	4
18	Malin Head	1012·3	0	NNE	3	b	50	95	9	2	-	3	Tr	1	2500	0	0
	Aldergrove	1011·7	-4	E'N	3	c/r	48	75	9	5	2	-	7-8	9+	4000	1	*
	Donaghadee	1012·4	-2	ESE	1	c	47	85	7	5	-	-	7-8	7-8	1500	0	0
19	Birr Castle	1009·0	0	S	2	c	56	95	7	6	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	1012·6	+4	WSW	4	id_o	53	95	4	5	-	-	10	10	220	1	3
	Roches Point	1011·0	0	W	4	c	59	85	8	3	-	-	7-8	7-8	2500	0	3

Diagram	Stations.	PAST 24 HOURS. Weather. 7h.–13h. 13th (37)	13h.–18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.–7h. 14th (40)
1	London (Kew)	$cr_o bc m_o$	$c b c m_o$	$o m_o$	c r c
	Croydon	$cr_o r_o m_o$	$c 2_o$	b c c m	$c d_o d_o r m_o$
	S. Farnborough	$cr_o r_o i r_o$	c	c	c r r
	Winchester	$c m_o d_o r_o r_o c$	c	$c i r_o$	$c r m_o$
	Boscombe Down	$c r r i r_o$	$c c r_o$	c i r	$o r_o r_o b d_o$
	Calshot, S'thmtn	$c i r_o m_o$	c	$c r_o$	$c i d_o$
	Dungeness	pr	c	*	d_o
	Lympne	$c d_o r r_o m_o$	$R r_o d_o c$	$c m o m_o$	$o m_o d r r$
2	Shoeburyness	$c r r m_o c i d$	$c m_o b c i m_o$	$c m_o$	$c o r r m_o$
	Felixstowe	$c 3_o r_o r_o 3_o c$	$c b c$	$b c c$	$c r_o r_o m_o$
	Gorleston	$c 3_o b c$	b c	$o i r_o$	$o i r_o$
	Cranwell	$c m_o b c y$	$b c c y$	$c r_o r$	$r c m_o$
3	Birmingham	c b c	b c c	c o r r	o i r_o
	Upper Heyford	$c r_o b c$	b c y c	c R	$c r_o R i r$
4	Ross-on-Wye	c b c	b c y c c r	$r_o c o r_o$	$i d_o r d_o$
5	Portland Bill	c r r c	c	o f c	c
	Plymouth	$o d_o d_o c m_o$	$c m_o p r_o$	$c m_o p r_o$	$u b l_o m_o$
	The Lizard	$f d_o f c$	c f c	C F f m	o f f m d
	Scilly (St. Mary's)	c i f	i f i d_o	$i d_o f f$	o i f i d
	Guernsey	$o r_o d m$	o	o i f	o i f d_o
6	Pembroke	$c d_o c$	$p r d_o d_o m_o c$	F F e a m c	$m_o i d_o m i w c$
7	Holyhead	c b c	$r_o d d o$	d c d $d_o m_o$	c b
	Chester (Sealand)	$m_o c b c y$	c r r	r r c	i r d_o c
8	L'pool (Bidston)	c b c y	b c o r r	$r o r_o o$	c c b c
9	Harrogate	b c c	c r r	c o r r	b c b
10	Spurn Head	c	o r r	o r i d	i d c
	Catterick	b c c y	$c o r r_o m_o$	$o r_o m_o c$	c b c
	Tynemouth	c b c	b c o i r_o	o i r_o b c	
11	Inchkeith	c	c	c p r	c b w
12	Leuchars	c b c c y X	c c j p	c p r i r_o c	c b v
	Renfrew (Abbotts I.)	b b c y v	c b c v y	b v y b	b b c
	Eskdalemuir	c w b c y c	c	c b c w	b c w
13A	Tiree	b c b	b	b	b
13B	Stornoway	b c p r $_o$	b c p r $_o$ c	b c c	c
15	Dalwhinnie	b c	b c	*	b c
	Aberdeen	b c p r $_o$	b c p r h	c r r	c p r
	Wick	b c c	c b c	b c c	c p r $_o$
16	Lerwick	c p r	c	c p r	c b c
17	Blacksod Point	i R	p r $_o$ c	c b c	b c
18	Malin Head	c	c b c	b c	b c
	Aldergrove	$c r_o r_o$	$c r_o r_o$	c b	b x v
	Donaghadee	$c r_o r_o$	$c r_o r_o c$	b c b	b
19	Birr Castle	c o r r	o i r c	c i r	c i r c
20	Valentia Obsy.	o i r $_o$ i r o	o i d $_o$	o i d $_o$ i d	o i d $_o$ c
	Roches Point	c o r r	o r c	c	c p $_o$ c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
k, storm of drifting snow.
k$_o$, slight storm of drifting snow (generally low).
K, heavy storm of drifting snow (generally low).
s$_h$k, slight storm of drifting snow (generally high).
Sk, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
< , less than (for cloud height).
⊕, Solar halo. ☿ lunar halo. ⸗ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins. and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

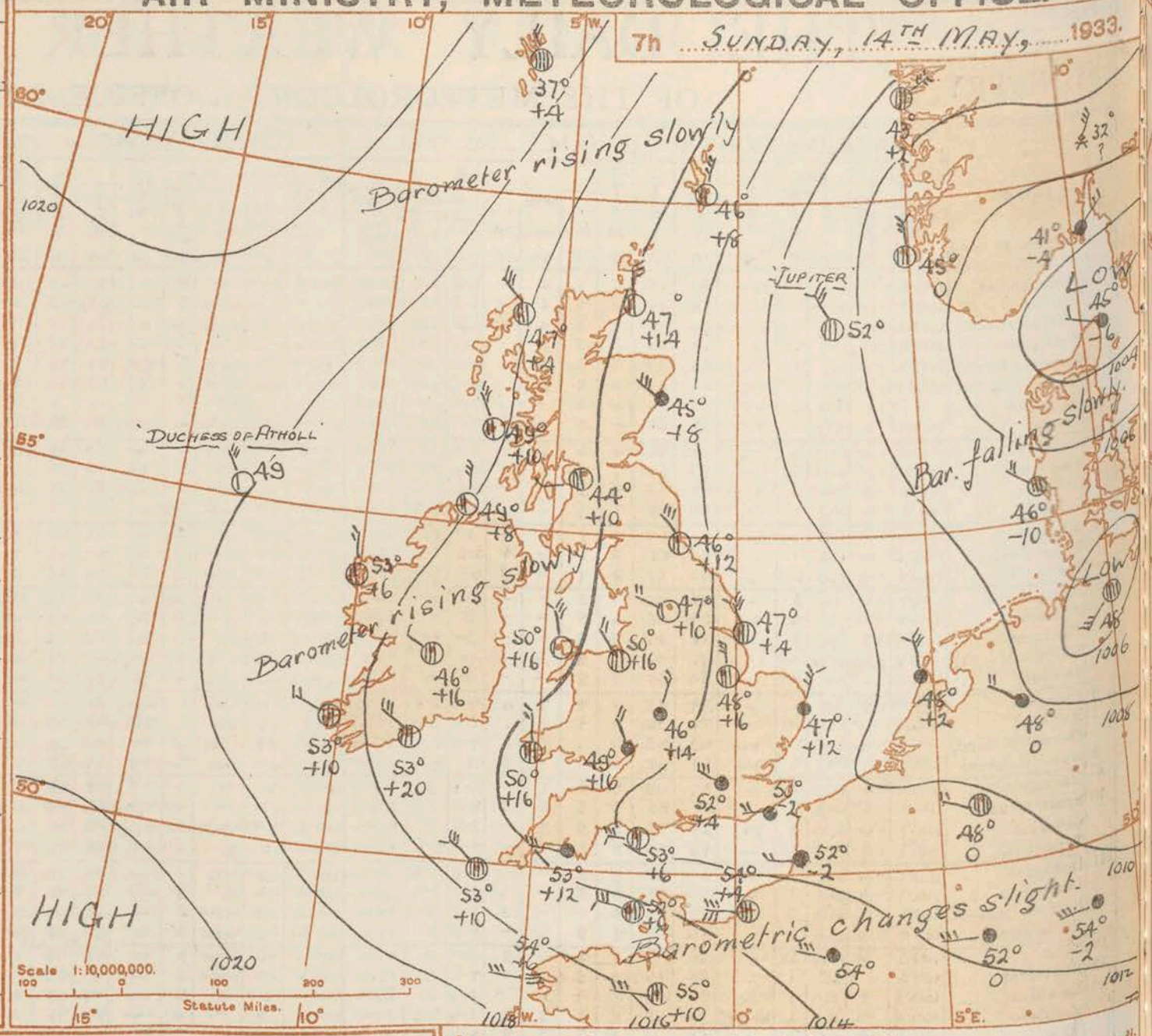
REPORTS from HEALTH RESORTS for 13th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 12th to 9h. 13th	Temperature. Max. 9h.—17h. 13th	Rainfall. Night. 17h. 12th to 9h. 13th	Rainfall. Day. 9h.—17h. 13th	Sunshine. Sunrise to 17h. 13th	Sunshine. Sunrise to Sunset. 12th
1	Tunbridge W.	o r o	a p o c	43	56	Trace	0·3	0·1	6·0
	Bournemouth	o d o	c	48	58	0·3	0·3	0·4	5·2
	Ventnor ...	o r o m	c b c c	47	58	1	0·3	1·1	1·5
	Southsea ...	o d	o c o	43	56	1	Trace	1·2	0·2
	Bognor Regis	r o c	c b c c	46	54	0·5	0·5	1·7	0·5
	Littlehampton	c r, c	c b c c	46	54	0·5	0·5	1·7	0·3
	Worthing ...	r, o c	c b c b	47	55	0·3	0·3	1·4	2·2
	Brighton ...	d o c	b c	48	54	0·1	0·4	0·7	2·1
	Eastbourne†	r r r, o	o c	50	55	0·2	0·4	0·1	4·1
	Hastings† ...	o o d	o d, o c	4·9	54	–	1	0·2	5·0
	Folkestone ...	o m, r	o i r	48	54	–	2	0·0	5·6
	Dover... ...	o i r	r o d	48	54	0·5	2	0·0	3·5
	Deal	o r r	r o	47	57	–	6	0·0	7·2
	Ramsgate ...	o r d	d r c	48	53	–	2	0·0	6·9
	Margate ...	c d r	c d b c	50	53	Trace	2	0·2	6·9
2	Southend ...	o r r	o r c b c	47	57	1	2	0·6	5·3
	Maldon ...	c o r	r o c b	43	60	0·3	0·5	1·5	5·0
	Clacton-on-Sea	c m, r, r c	c	46	53	–	1	0·0	2·8
	Dovercourt ...	b c c o c	d o c b c	46	57	Trace	0·3	0·1	3·6
	Lowestoft ...	p r c b c	c b c	45	62	0·1	–	3·4	3·5
	Skegness ...	b c o	o c b m,	42	58	Trace	–	5·0	5·6
	Mablethorpe	c	c o	42	57	–	–	6·3	6·5
	Cleethorpes...	b c	b c o	43	60	–	–	6·5	7·5
3	Leamington S.	b c	b b c	44	63	–	–	6·3	1·0
4	Cheltenham†	o m c b c	c b c c	46	61	0·3	–	4·1	1·6
5	Bath	c r,	b c c	43	59	Trace	Trace	0·6	4·6
	Weymouth ...	c d c	c b c c	43	55	1	0·4	0·6	3·8
	Jersey ...	r c	c d c	50	55	0·4	0·3	0·0	2·7
	Torquay ...	o d m,	d p o m c	48	52	1	0·3	0·0	3·4
	Penzance ...	o c b c o	o r, b	48	57	1	1	0·6	0·0
	St. Ives ...	o m	c o p	49	56	0·5	1	0·1	0·6
	Bude	o d	o d r	48	54	2	3	0·0	5·6
	Ilfracombe ...	o r c	c o r	48	60	1	3	0·5	10·6
6	Aberystwyth	c r, c	c b c c r	44	57	1	1	4·9	9·2
7	Llandudno ...	b c	c o r,	46	58	–	1	4·6	10·2
	Colwyn Bay...	c b c	b c o r r	45	56	–	1	4·8	10·0
	Rhyl								
8	Wallasey ...	b c b	c o r	48	58	–	1	4·7	8·5
	Southport‖ ...	c b c b	b b c o r	48	59	–	3	4·2	9·6
	Blackpool ...	c b c	c o r	47	57	–	3	3·7	10·8
	Morecambe ...	c b, c	c r o i r	45	55	1	2	1·0	11·0
9	Ilkley... ...	c p r,	b c c p r	43	61	–	Trace	3·4	10·7
10	Berwick-on-T.	o r,	b c	43	50	–	Trace	6·4	7·0
11	Dunbar ...	b c	b c	44	53	1	–	6·9	9·0
12	Troon... ...	w b c	c b c c	46	53	–	–	3·7	12·8
	Douglas ...	o i r o m,	R R	46	53	5	4	0·0	12·2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ... SUNDAY, 14TH MAY, ... 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th May, 1933.
1. S.E. England	Moderate westerly wind; veering to north later; dull with rain or drizzle at first, showers and bright periods later; rather cool.
2. E. England...	
3. E. Midlands	Light to moderate northwest to north wind; dull with rain or drizzle at first, showers and some bright periods later; rather cool.
4. W. Midlands	
5. S.W. England	Moderate westerly wind; veering to north later, dull with rain or drizzle at first, showers and bright periods later; rather cool.
6. South Wales	
7. North Wales	
8. N.W. England	As 2 -4.
9. N. Midlands	
10. N.E. England	Light or moderate north to northwesterly wind; showers and bright periods; rather cool.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W. Scotld. B. N.W. Scotland.	Moderate northerly wind; showers and bright periods; temperature normal or rather cool.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 7 - 12.
18. N.E. Ireland	
19. S.E. Ireland	As 2 - 4.
20. S.W. Ireland	

GENERAL INFERENCE.

A depression is centred over Southern Scandinavia, while pressure is highest to northwest and southwest of the British Isles. Weather will be dull, with rain or drizzle at first in southern districts but later showery conditions, with some bright periods will prevail in all districts.

FURTHER OUTLOOK.

Showers and bright periods.

Forecasts issued at 1100 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationary Office Press, Kingsway W.C.2.
P8735/2579 Wt.47/0.6001 Gp.388/23360.5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY,
14th. MAY,
1933.
HIGH
LOW.
HIGH.
LOW
HIGH
LOW
HIGH.
LOW
HIGH
LOW
HIGH.
LOW
HIGH
LOW
HIGH.
LOW
HIGH
LOW
HIGH
LOW
HIGH

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 14th May 1933.

No. 26.106

OBSERVATIONS at 1 hr. G.M.T. 14th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1011·2	-10	SW	2	C	50	95	6	-	2	-	0	10	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012·0	-4	WN	2	3o	47	95	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010·3	-12	NEN	3	ir$_o$	49	95	7	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1011·3	-12	W	4	C	52	95	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1014·3	+2	W	3	m	52	95	4	5	-	-	10	10	800
	Scilly(St.Mary's)	163	1014·8	0	WN	5	c$_f$	53	95	2	5	-	-	10	10	<150
	Guernsey ..	175	1014·2	-2	WNW	4	of+	52	95	3	5	-	-	10	10	800
6	Pembroke ...	142	1011·2	+4	NW	3	q	52	95	6	8	-	-	9+	9+	1500
7	Holyhead ...	26	1011·7	+2	NEN	3	C	49	95	7	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011·0	0	-	0	ido	46	95	7	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1011·6	0	W	1	bc	46	95	6	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1012·7	+18	N	1	C	46	95	8	5	-	-	9+	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts'l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012·4	0	NW	1	C	42	95	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011·9	-2	NW	3	C	45	85	8	8	1	-	4-6	7-8	2500
16	Lerwick ...	54	1010·7	+6	NNE	3	c/pr	45	85	8	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1016·2	+10	NE	3	bc	49	75	8	-	4	-	0	4-6	-
18	Malin Head ...	52	1014·0	+6	N	3	b	48	85	9	5	-	-	Tr	Tr	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1013·5	+6	W'N	2	DD	52	95	6	3	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 14th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1011·1	+10	N	4	c	57	85	7	x	L	-	9	9+	1500	1	*
1010·5	+3	WNW	3	d$_o$d$_o$	52	95	5	6	2	-	7-8	10	450	1	*
1011·1	+1	N	1	id$_o$	53	95	7	5	-	-	10	10	1500	1	*
1011·0	+1	WNW	3	ir$_o$	53	95	6	6	-	-	10	10	800	1	*
1011·3	+1	NWW	3	d$_o$d$_o$	53	95	5	6	-	-	10	10	<150	1	*
1010·7	+6	W'S	3	c/d	56	95	7	5	2	-	7-8	10	800	1	1
*	*	SW	2	df	*	*	3	5	-	*	-	10	800	*	1
1010·8	-2	W	2	rr	50	95	5	6	-	-	10	10	<150	1	*
1010·3	0	NE	3	rr	50	95	6	6	-	-	10	10	450	1	*
1011·3	+12	NNE	4	ir$_o$	47	95	6	6	2	-	9	10	450	1	2
1011·4	+6	NNE	3	c/r	47	95	6	6	-	-	9	9	1500	1	2
1013·1	+16	N	3	c	48	85	6	1	-	-	7-8	7-8	2500	1	*
1013·6	+14	NNE	2	W$_o$	46	95	6	6	-	-	10	10	800	1	*
1012·6	+18	NE	3	r$_o$r$_o$	47	95	7	6	2	-	7-8	10	800	1	*
1012·6	+16	NNW	2	dd	49	95	6	6	-	-	10	10	1500	1	*
1011·6	+6	W	4	c	53	95	7	5	-	-	10	10	1500	0	3
1013·8	+12	W	3	d$_o$d$_o$	53	95	6	5	-	-	10	10	220	1	3
1015·2	+4	W	3	id$_o$	52	95	6	5	-	-	10	10	1500	1	2
1015·8	+10	NWW	4	c	53	95	6	5	-	-	10	10	800	1	3
1014·1	+6	WNW	4	fg	52	95	5	5	-	-	10	10	800	1	3
1013·3	+16	N	2	c	50	95	7	5	-	-	9	9	2500	1	1
1014·2	+16	N	4	bc	50	85	7	5	-	-	1	1	800	1	1
1013·6	+16	NNW	2	c	50	95	6	5	-	-	9+	9+	1500	1	*
1013·9	+10	NNE	2	bc	50	85	7	8	-	-	4-6	4-6	2500	1	*
1013·1	+10	W'N	2	b	47	85	7	3	-	1	Tr	Tr	4000	1	*
1011·8	+4	NNW	4	c	47	95	7	3	5	-	4-6	7-8	2500	0	3
1013·4	+12	NNW	2	bc	47	85	7	7	8	-	4-6	4-6	2500	1	*
1013·1	+12	NNW	3	bc/pr	46	95	7	3	-	-	4-6	4-6	1500	1	1
1014·6	+14	NW	2	bc	49	75	8	2	3	-	4-6	4-6	4000	1	2
1014·2	+12	WNW	3	bc	47	75	9	8	-	-	Tr	Tr	2500	1	*
1014·4	+10	W's	1	bc	44	95	8	1	-	-	7-8	7-8	4000	0	*
1014·0	+20	N	3	bc	46	75	8	7	-	-	2-3	2-3	4000	1	*
1015·8	+10	WNW	3	bc	49	75	9	2	4	2	1	2-3	4000	1	2
1013·0	+4	NW	3	c/pr	47	85	8	8	6	-	7-8	9	1500	1	1
1015·2	+10	N	1	bc	41	85	8	4	-	-	4-6	4-6	4000	0	*
1013·3	+8	NW	3	r$_o$	45	85	8	8	-	-	5	9	2500	1	*
1013·4	+14	N	3	bc	47	85	8	8	6	8	4-6	4-6	2500	0	2
1012·4	+8	NNE	3	bc	46	65	9	8	-	2	4-6	4-6	1500	0	*
1017·0	+16	N	2	bc	53	75	9	4	-	-	2-3	2-3	1500	0	2
10			3	bc	49	75	9	2	3	4	Tr	2-3	2500	0	0
1015·7	+12	NNW	3	bc	46	85	9	1	-	-	Tr	Tr	2500	1	*
1015·7	+16	NE	2	bc	48	85	7	8	-	-	2-3	2-3	1500	1	1
1015·8	+16	WNW	1	c	46	85	8	5	-	-	7-8	7-8	2500	1	*
1016·7	+10	WNW	2	c	53	95	8	5	-	-	10	10	450	1	3
1015·2	+20	NW	3	c	53	95	7	3	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 13th Hrs. (36)
61	50	50	1	1	3·0
59	50	47	1	2	2·2
59	50	49	1	1	0·9
55	49	48	Tr 03	1	0·0
57	50	50	0·4	2	0·2
56	50	50	1	0·2	0·6
55	47	*	1	Tr	*
54	45	43	4	1	0·0
57	48	44	3	3	2·7
57	46	45	0·2	0·5	0·6
58	46	45	-	1	6·5
63	48	44	-	2	6·2
62	45	45	-	5	6·0
62	45	47	1	5	*
63	49	49	0·1	1	4·1
53	51	*	2	-	*
58	52	52	0·1	0·3	0·4
55	52	*	0·2	0·1	*
57	52	*	Tr	0·2	0·9
55	52	51	1	Tr	0·0
55	47	*	3	0·4	0·2
58	48	45	2	2	4·2
64	48	47	2	3	4·6
58	47	46	2	1	4·6
58	42	36	1	7	4·1
57	45	*	0·3	5	6·5
59	37	33	2	2	4·3
51	41	39	0·2	1	*
59	44	34	-	0·5	5·5
56	40	31	-	1	7·7
59	35	34	-	-	11·4
55	36	30	-	-	4·8
53	47	42	-	-	13·6
54	40	*	0·1	-	8·4D
54	30	18	-	-	7·1
55	41	38	2	2	5·3
52	42	*	-	Tr	*
50	43	A	1	2	4·1
54	48	*	10	-	*
51	47	*	Tr	-	3·1
50	[illegible]	2·8	5	-	0·3
51	41	*	4	-	*
58	45	44	4	1	0·0
55	51	51	5	0·4	0·0
62	52	*	4	0·1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cr$_o$bcm$_o$	cbcm$_o$	om$_o$cir	61	50	50	1	1	3·0	*	*	?
Croydon	217	cr$_o$r$_o$m$_o$	cz$_o$	bcdrm$_o$	59	50	47	1	2	2·2	*	*	5
Greenwich (Royal Observatory) ...	149	rrir	c	cdrd	69	48	45	1	2	0·5	66	91	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	59	49	49	3		1·3	56	88	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*						0·9			
Camden Square	110	obc	cbc	*	60	49	49	0·5	3	*	*	90	*
Kensington	80	orc	bcc	cod	60	49	42	0·4	3	1·3	63 At 18h.	84	*
Hampstead Observatory	450	or	bc	cor	58	45	44	0·7	3	2·7	*	93	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 14th

South Kensington. Max.	Time.	Min.	Time.
0·5	9h–10h, 20h–21h, 13th	Nil	0h–7h 14th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	9h. 13th	<0·1	0h–2h 14th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 13th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 14th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1013·3	SW	2	c/r	54	1013·0	W	3	id$_o$	54
Brussels	1012·4	-	0	r$_o$r$_o$	50					
Berlin	1011·5	WNW	1	c	54	1007·9	S	2	r$_o$r$_o$	48
Zürich	1015·2	WNW	1	c	55	1013·1	SSW	1	ir	48
Rome	1014·1	N	2	bc	55	1015·8	E	1	c	32

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	54	4	1
55		6	
59	41	-	-
53	46	1	4
70	41	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, -48.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort. No.	Statute m/h.	Beaufort. No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	"
2	Fog	550	"
3	Moderate fog	1,100	"
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	"
6	Moderate "	6½	"
7	Good "	12½	"
8	Very good "	31	"
9	Excellent "	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 15 May 1933.

No. 26.107

OBSERVATIONS at 13h. G.M.T. 14 May

OBSERVATIONS at 18h. G.M.T. 14 May

PAST 24 HOURS.

District.	Stations. (For heights see p. 4.)	13h. Barom. at M.S.L. mb. (1)	13h. Change in 3 hours. (2)	13h. Wind. Direc. (3)	13h. Wind. Force. 0-12 (4)	13h. Weather. (5)	13h. Temp. °F. (6)	13h. % Humid. (7)	13h. Visibility 0-9 (8)	13h. Cloud. Form. Low. (9)	13h. Cloud. Form. Med. (10)	13h. Cloud. Form. High. (11)	13h. Cloud. Amount. Low 0-10 (12)	13h. Cloud. Amount. Total 0-10 (13)	13h. Cloud. Height of Base. (feet) (14)	18h. Barom. at M.S.L. mb. (15)	18h. Change in 3 hours. (16)	18h. Wind. Direc. (17)	18h. Wind. Force. 0-12 (18)	18h. Weather. (19)	18h. Temp. °F. (20)	18h. % Humid. (21)	18h. Visibility 0-9 (22)	18h. Cloud. Form. Low. (23)	18h. Cloud. Form. Med. (24)	18h. Cloud. Form. High. (25)	18h. Cloud. Amount. Low. 0-10 (26)	18h. Cloud. Amount. Total 0-10 (27)	18h. Cloud. Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	Past 24 hours. Weather. 7h.–13h. (37)	13h.–18h. (38)	18h.–1h. (39)	1h.–7h. (40)
1	London (Kew)...	1015·1	+2·0	N'W	2	c	54	65	6	8	-	-	9	9	1500	1016·5	+1·4	N	3	cir.	54	75	6	8	-	-	9	9	2500	0	*	cir.c3.	c3.r.m.	cm.b.	bm.w
	Croydon ...	1014·5	+2·2	N	3	3.	53	75	5	5	1	-	7-8	10	1500	1016·1	+1·4	N'NW	2	cir.	53	65	4	5	-	-	10	10	2500	1	*	d.r.c3.	bccPR3	c.bc3mw	bmw
	S. Farnborough	1015·1	+2·6	N'E	2	c	53	75	7	5	-	-	9+	9+	2500	1016·4	+1·4	NNE	3	pr.	55	65	6	9	-	-	7-8	9+	4000	1	*	cr.ir.c	cbcyc	p*r.bm.	bm.x
	Winchester ...	1015·0	+2·6	N'E	3	c	54	65	7	5	-	-	9+	9+	1500	1015·9	+·6	ENE	1	bc	58	45	7	3	-	-	4-6	4-6	2500	1	*	cir.m.c	cbcy	cb	bm.
	Boscombe Down	1014·6	+1·8	N'E	3	c	56	75	7	5	-	-	9	9	1500	1015·9	+·8	NE	2	c	59	55	7	5	-	-	7-8	7-8	2500	0	*	od.r.c	cbcy	bcyb.	bw
	Calshot, S'thmtn	1014·4	+2·4	N'E	4	c	55	75	6	5	-	-	10	10	1500	1015·6	+·4	NNE	3	b	59	55	7	1	-	-	1	1	4000	0	-	cbr	cm.bc	r	bmw.
	Dungeness ...	*	*	NE	4	c	*	*	7	5	8	7	9+	9+	800	*	*	S'E	2	c	*	*	*	9	-	*	9+	9+	800	*	2	o	r	*	c
	Lympne ...	1014·2	+2·4	NNE	4	c	52	65	8	7	-	-	9+	9+	2500	1016·4	+1·8	S'W	2	c	49	95	8	8	-	-	9+	9+	2500	1	*	brddm.c	bcupr.c	cbm.w	bcmw
2	Shoeburyness	1014·1	+1·8	NE	1	c	56	65	7	8	8	-	4-6	7-8	1500	1015·9	+1·8	SSW	1	c	51	85	7	5	7	-	7-8	7-8	2500	1	*	or.cbc	bcpr.c	cbc bm.	bm.bcm
	Felixstowe ...	1014·2	+2·0	ENE	2	pr.	50	85	7	3	-	-	9	9	800	1016·0	+1·2	ENE	1	b	52	85	7	1	-	-	2-3	2-3	4000	1	0	cr.r.m.pr	cp.bc	bcb.	wlc63.
	Gorleston ...	1014·3	+1·4	N'E	5	bc	54	85	7	3	-	-	4-6	4-6	2500	1014·6	+·8	NNW	4	bc	53	65	7	7	-	-	4-6	4-6	2500	0	1	cbc	bc	bc	bcc
	Cranwell ...	1014·3	+1·0	NNE	4	pr.	54	65	8	3	-	-	9	9	1500	1016·3	+1·2	ESE	3	bc	55	65	8	7	3	-	2-3	4-6	2500	1	*	cbcc	cjpbc	bcb	bwm.
3	Birmingham ...	1014·9	+·8	NW	2	bc	56	65	8	2	*	-	4-6	4-6	2500	1016·4	+·4	NNW	3	bc	55	65	8	1	-	-	2-3	2-3	2500	1	*	cr.bc	cbc	b	b
	Upper Heyford	1015·1	+1·2	NNE	2	bc	56	65	7	8	1-2	-	2-3	2-3	2500	1016·7	+1·8	N'E	2	b	54	65	7	-	-	-	0	0	-	1	*	cr.bc	cpr.b	b bcb	bw
4	Ross-on-Wye ...	1015·3	+1·2	NE	3	c	57	65	8	2	-	-	7-8	7-8	4000	1016·3	+·8	N'E	2	bc	59	55	8	8	-	-	4-6	4-6	4000	0.	*	dcbc	bcy	bccb	b
5	Portland Bill...	1015·0	+1·4	NNE	3	c	61	65	7	5	-	-	10	10	1500	1016·8	+1·4	SSW	3	m	54	85	4	5	-	-	10	10	1500	0	3	c	cm	cbc	bcc
	Plymouth ...	1016·1	+1·8	NW	4	c	59	75	8	8	3	-	4-6	7-8	2500	1018·1	+2·0	NW	4	c	57	55	9	1	-	6	1	7-8	4000	0	2	bcd.bcw	bcwy	bcyb	bbcw
	The Lizard ...	1017·4	+1·6	NW'W	3	c	56	95	7	8	4	-	7-8	9+	2500	1019·5	+·8	N'W	3	bc	55	75	8	7	9	-	2-3	4-6	4000	0	2	ocdc	cbc	bcbw	bccw
	Scilly (St. Mary's)	1015·9	+1·4	N'W	3	c	55	95	6	5	-	-	9+	9+	2500	1020·4	+·4	N	3	bc	54	85	7	5	-	5	2-3	4-6	4000	0	2	d.ffc	cbc	bcbw	bbcw
	Guernsey ...	1015·7	+1·2	NNE	4	o	56	85	7	5	-	-	10	10	2500	1017·5	+1·0	NW	1	bc	56	75	7	7	-	-	4-6	4-6	4000	0	3	o	ocbc	bcbw	bwbc
6	Pembroke ...	1017·0	+1·6	NNE	3	bc	55	75	7	1	6	-	2-3	2-3	4000	1019·0	+·8	NNE	2	bc	55	55	9	7	7	5	1	2-3	5700	0	1	cbc	bcbwy	bc	bc
7	Holyhead ...	1017·3	+1·4	N	4	b	53	75	8	2	-	-	1	1	1500	1018·8	+·8	NW	3	b	52	75	9	1	-	-	Tr	Tr	4000	0	1	bc	bo	bybw	bwc
8	Chester (Sealand)	1016·3	+1·4	NNW	5	bc	53	75	8	2	-	1	2-3	2-3	1500	1017·8	+1·0	NNW	4	bc	53	65	9	8	1	3	2-3	2-3	1500	0	*	jpbc	bo	b	bcc
	L'pool (Bidston)	1016·6	+1·6	NW	4	bc.	52	85	8	7	-	-	4-6	4-6	4000	1018·0	+·6	NW	4	b	53	75	8	1	-	-	1	1	5700	0	*	bcbbc	bcb	b	bbc
9	Harrogate ...	1015·0	+·6	W	2	bc/pr.	52	55	7	3	8	-	1	2-3	4000	1016·4	+·6	NNE	2	b	52	65	8	-	8	-	0	1	-	1	*	bccp.	bcbp	bbc	bbc
10	Spurn Head ...	1014·5	+·6	N'W	5	bc	54	75	7	1	2	-	2-3	4-6	4000	1015·8	+·6	N	6	bc	52	75	8	-	3	-	0	2-3	-	0	4	cbc	bc	bc	bcc
	Catterick ...	1015·2	+1·0	N'W	2	pr.	49	75	7	9	-	-	7-8	7-8	2500	1016·5	+1·0	NE	2	bc	50	65	8	8	-	-	2-3	2-3	2500	1	.	bccpr.	cbcpr.	bbw	bwbcc
	Tynemouth ...	1015·4	+1·0	N	4	bc	50	65	8	2	-	-	4-6	4-6	2500	1015·2	+·8	N	2	bc	49	75	8	2	-	-	2-3	2-3	2500	1	2	bcq	bcp.bc	bcir	circ
11	Inchkeith ...	1015·6	+·6	S	1	c	53	55	9	8	-	-	7-8	7-8	4000	1016·6	+·4	NE	2	cir.	50	85	8	8	-	-	9+	9+	2500	1	2	bccu	ccr.	cpr	cbc
12	Leuchars ...	1015·9	+1·2	SSE	1	PR	49	75	8	9	-	3	9	9+	1500	1016·7	+1·0	E	1	c/p	51	75	9	8	6	3	4-6	9	1500	1	*	bycoPR	cpr.pr.	cpr.r.c	bc bxw
	Renfrew (Abbotsl)	1015·7	+·6	N'N	3	c	57	45	9	7	-	-	7-8	7-8	4000	1016·1	+·4	W	4	b	55	55	9	1	-	-	Tr	Tr	4000	0	*	bcbcy	cbcy	bvyb	bcc
	Eskdalemuir ...	1014·9	+·8	N	3	bc	55	35	8	7	-	-	4-6	4-6	4000	1016·0	+·8	NNE	3	c	50	55	8	7	-	-	9	9	4000	1	*	bcy	bcycy	cypr bw	bbcw
13A	Tiree	1018·2	+·8	NW'W	4	b	53	65	9	2	4	-	1	1	4000	1019·2	+1·2	NW'W	3	c	50	75	9	2	3	-	1	7-8	2500	0	3	bbcpr	bbcc	cbc	c
13B	Stornoway ...	1016·1	+1·6	NE	3	pr.	48	75	8	9	7	-	7-8	9+	1500	1018·0	+1·0	NE	3	c	47	75	8	8	6	-	7-8	9	1500	1	1.	cpr.	c	cbc	bcpr.
15	Dalwhinnie ..†	1016·1	+·8	N	3	bc	50	55	8	4	2	-	4-6	4-6	4000	1017·7	+·8	N	3	c	46	75	8	3	-	-	7-8	7-8	800	0	*	bc	bc	*	irbc
	Aberdeen ...	1015·1	+1·0	NNW	3	bc	52	55	8	8	-	-	4-6	4-6	4000	1016·8	+1·0	NNW	3	c	48	75	8	8	3	-	7-8	9	2500	0	1	cprbcy	bcyc	cpr.	cbc
	Wick	1015·4	+1·2	NNE	4	c	50	95	8	8	7	-	4-6	7-8	2500	1017·4	+1·0	NW	4	bc	47	65	8	8	6	1	4-6	4-6	2500	0	3	bcpr.	cpr.bc	bcpr.	bcc
16	Lerwick ...	1013·5	+1·0	N	3	c/pr	46	75	8	8	7	-	4-6	7-8	1500	1014·8	+1·0	N'W	4	c/pr	45	75	8	8	7	-	4-6	7-8	1500	1	*	bccPR	cpr	cpr	cbc
17	Blacksod Point	1020·2	+1·4	N	3	bc	55	65	9	1	-	-	2-3	2-3	1500	1021·1	+·4	N	3	bc	54	65	9	1	5	-	2-3	4-6	1500	0	3	bc	bc	bc	bc
18	Malin Head ...	1018·7	+·8	N	3	bc	53	85	9	2	8	3	2-3	2-3	2500	1019·9	+·8	N	3	bc	51	75	9	2	8	-	2-3	2-3	2500	0	0	bc	bc	bc	bc
	Aldergrove ...	1018·5	+1·4	NW	4	c	55	55	9	2	-	-	7-8	7-8	4000	1019·5	+·6	NW'N	4	b	53	55	9	1	-	-	1	1	4000	0	*	bccu	bcbyc	byv	b-c
	Donaghadee ...	1017·8	+1·2	N	2	b	54	65	8	8	-	-	1	1	4000	1019·4	+·6	NNE	3	b	52	65	8	8	-	-	1	1	4000	0	2	b	b	bbc	bc
19	Birr Castle ...	1018·9	+1·2	NNW	2	bc	59	55	8	1	-	1	2-3	2-3	2500	1019·1	+·6	NNW	1	bc	59	55	8	1	-	1	2-3	4-6	2500	1	*	cbcy	bcy	c	bcb
20	Valentia Obsy.	1019·2	+1·4	N	3	c	59	65	8	7	-	-	7-8	9+	2500	1020·0	+·6	NW'N	3	bc	57	65	9	-	4	4	0	4-6	-	1	3	c	cobcu	bcvcbc	bcwbbcc
	Roches Point...	1018·7	+1·8	SW	3	c	59	75	9	3	-	-	7-8	7-8	2500	1019·5	+·6	SW	3	bc	58	85	9	8	-	9	2-3	4-6	2500	0	3	cu	cbcu	bcvbw	bbcw

†Observations taken at 1300 and 1700 G.M.T.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ≈ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

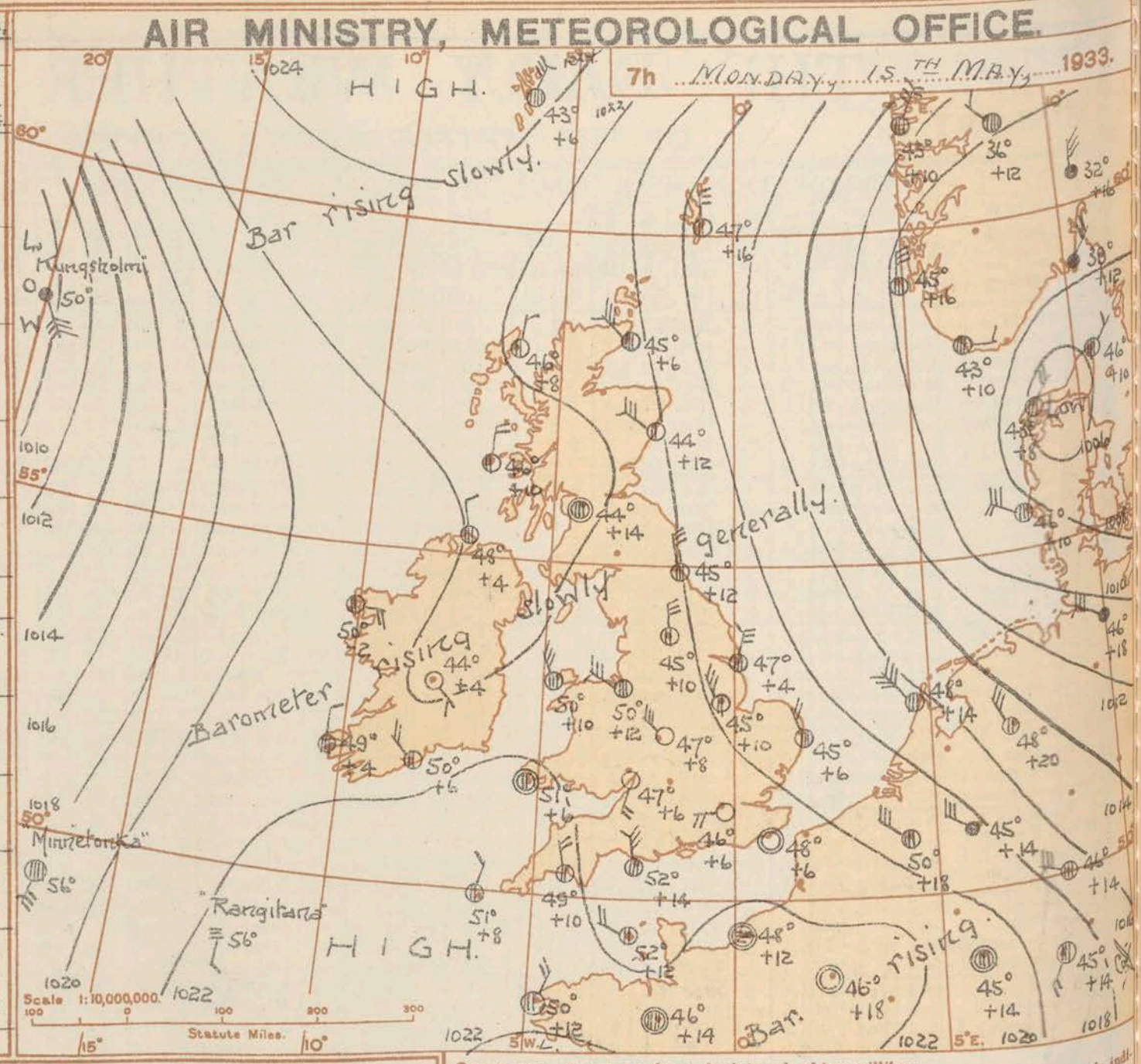
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 14th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 13th to 9h. 14th	Temperature. Max. 9h.—17h. 14th	Rainfall. Night. 17h. 13th to 9h. 14th	Rainfall. Day. 9h.—17h. 14th	Sunshine Sunrise to 17h. 13th	Sunshine Sunrise to Sunset. 13th
1	Tunbridge W.	o	cbcop	48	59	1	0·3	1·9	1·0
	Bournemouth	o	cb	51	63	-	-	3·3	0·4
	Ventnor ...	pomcb	cobz	49	59	0·5	-	4·0	1·1
	Southsea ...	cpzo	ocb	49	61	1	Trace	3·1	1·2
	Bognor Regis	crzbc	cbc	50	60	1	Trace	2·9	1·7
	Littlehampton	bcc	cbc	50	60	1	-	2·8	1·7
	Worthing ...	c	cbcb	50	60	2	-	2·3	1·4
	Brighton ...	rc	cbc	51	59	1	Trace	3·1	0·7
	Eastbourne†	o	ocbc	50	57	1	-	2·1	0·3
	Hastings† ...	oc	cbcc	48	58	1	-	2·0	0·4
	Folkestone ...	orzc	bc	47	57	2	0·3	3·8	0·0
	Dover... ...	doc	cbc	48	58	1	Trace	4·1	0·0
	Deal	rrcb	bco	47	56	8	1	4·8	0·0
	Ramsgate ...	rc	bcc	47	54	3		4·7	0·6
	Margate ...	cdbc	bcd	47	53	3	Trace	5·0	1·5
2	Southend ...	oc	cbcpr	47	56	3	Trace	1·9	1·1
	Maldon ...	rc	bcco	46	58	3	-	2·0	2·2
	Clacton-on-Sea	corrc	cbc	47	52	4	0·2	3·1	0·0
	Dovercourt ...	rbbc	rocbc	46	55	1	3	4·6	0·1
	Lowestoft ...	rzcbc	b	45	54	2	-	9·4	4·7
	Skegness ...	obc	b	42	53	3	-	9·5	5·0
	Mablethorpe	bc	bcv	45	53	3	-	10·0	6·3
	Cleethorpes ...	roc	b	45	54	4	-	9·2	6·5
3	Leamington S.	cbc	prcbc	47	59	3	Trace	4·3	6·3
4	Cheltenham†	cbc	bbcz	47	62	2	-	5·0	4·1
5	Bath	cbc	bcb	51	64	5	-	4·7	0·6
	Weymouth ...	cb	bbc	50	64	0·1	-	5·9	0·6
	Jersey ...	c	cb	52	57	0·1	-	0·3	0·0
	Torquay ...	cbcb	bcy	50	65	-	-	6·0	0·0
	Penzance ...	ocbc	b	51	59	1	-	4·7	0·6
	St. Ives ...	rocbc	b	50	55	0·3	-	3·9	0·2
	Bude	ocbc	bc	51	56	2	-	5·7	0·0
	Ilfracombe ...	bcb	bcb	50	57	1	-	6·4	0·5
6	Aberystwyth	rcbc	bcb	49	54	2	-	8·4	4·9
7	Llandudno ...	bc	bcb	47	55	1	-	10·3	4·6
	Colwyn Bay...	bcb	b	47	57	0·3	-	9·5	4·8
	Rhyl								
8	Wallasey ...	b	b	47	56	3	-	10·6	4·7
	Southport‖ ...	b	b	47	59	1	-	12·0	4·2
	Blackpool ...	bcb	bbc	45	57	2	-	12·0	2·7
	Morecambe ...	bcc	bc	48	59	2	-	11·3	1·0
9	Ilkley... ...	bcc	bcpr	42	60	7	Trace	7·4	3·4
10	Berwick-on-T.	bbc	bc	44	51	-	-	9·6	3·5
11	Dumbar ...	bc	bc	45	53	-	-	8·0	3·3
12	Troon... ...	wbcwc	bcw	39	57	-	-	11·2	6·2
	Douglas ...	bc	bcq	42	55	1	-	11·7	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th May, 1933.
1. S.E. England 2. E. England...	Light northwest or variable wind; fair, except for local showers; rather warm by day, local ground frost in early morning.
3. E. Midlands 4. W. Midlands	Moderate or light northwesterly wind; bright periods; perhaps local showers; day temperature about normal, local ground frost in early morning.
5. S.W. England	As 1.
6. South Wales 7. North Wales	Light variable wind, perhaps southerly later; fair to-day, perhaps less bright tomorrow; perhaps coastal fog; milder.
8. N.W. England 9. N. Midlands	Light variable wind; mainly fair; moderate day temperature, perhaps local ground frost in early morning.
10. N.E. England 11. S.E. Scotland	As 2.
12. S.W. Scotland & Isle of Man	As 7 - 8.
13. A. W. Scotld. B. N.W. Scotland.	Light variable to moderate south-easterly wind; fair to-day, perhaps drizzle or rain later; moderate temperature.
14. Mid-Scotland	As 2.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate southerly wind, fresh locally; cloudy; perhaps drizzle or rain, and fog locally on coast; milder.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Light variable to moderate southerly wind; fair to-day, perhaps local drizzle or rain later; becoming milder.
20. S.W. Ireland	As 17.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure which covers the British Isles is moving slowly eastwards while a depression on the Atlantic is spreading east and northeast. Some rain or drizzle is probable in the extreme West but weather will be fair over most of Great Britain, apart from a few local showers today in eastern counties.

FURTHER OUTLOOK.

Fair over most of England; rather unsettled in Ireland and Scotland, more particularly in western districts.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0930 G.M.T.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Monday
15th. May
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1:4×10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 15 May 1933.

No. 26,107.

OBSERVATIONS at 1 hr. G.M.T. 15 May

Districts.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0-10 (12)	Cloud. Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1020·0	+1	WSW	2	3	40	95	5	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019·9	+1	NNW	2	b	44	95	6	-	-	1	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1018·5	+1	WNW	3	bc	44	85	7	4	-	-	2-3	2-3	4000
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019·0	+3	NNW	3	bc	50	85	7	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1022·3	+1	NW	3	b	45	95	8	-	-	1	0	(Tr.)	-
	Scilly (St. Mary's)	163	1022·7	+6	N'E	1	b	47	95	8	-	-	-	0	0	-
	Guernsey ...	175	1020·2	+12	-	0	b	50	95	8	-	-	-	0	0	-
6	Pembroke ...	142	1021·1	+16	NNW	2	bc	47	85	7	7	6	-	2-3	4-6	4000
7	Holyhead ...	26	1020·8	+8	W'N	2	b	48	85	8	1	-	-	Tr.	Tr.	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·3	+4	NNW	3	bc	49	75	7	5	3	-	2-3	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1019·0	+8	W	1	0/r	45	85	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1019·3	+12	NE	2	pr	45	85	8	8	7	-	7-8	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1019·9	+4	NNW	1	bc	37	95	8	8	6	-	2-3	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1019·1	+8	NW	4	bc	40	95	8	5	-	8	2-3	4-6	2500
16	Lerwick ...	54	1015·6	+8	N'W	4	c	44	85	8	5	2	-	4-6	7-8	1500
17	Blacksod Point	18	1021·8	0	N	3	bc	50	75	8	-	4	-	0	4-6	-
18	Malin Head ...	52	1021·5	+4	NW	3	bc	48	85	9	4	3	-	1	2-3	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021·0	+6	W	1	b	49	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 15 May

Districts.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low. 0-10 (26)	Cloud. Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1021·7	+1·4	WSW	2	b	44	95	5	-	-	-	0	0	-	1	*
	Croydon ...	1021·1	+6	W	2	b3	46	95	5	-	-	-	0	0	-	1	*
	S. Farnborough	1021·9	+1·4	WNW	1	b	45	85	6	-	3	-	0	tr	-	1	*
	Winchester ...	1021·7	+1·6	NW'N	2	b	47	75	7	-	-	5	0	1	-	1	*
	Boscombe Down	1021·7	+1·8	NW	1	bc	46	85	7	-	-	1	0	2-3	-	1	*
	Calshot, (S'thmtn)	10[illegible]	+1·2	NW'N	3	b	49	85	6	8	-	-	1	1	4000	0	1
	Dungeness ...	*	*	N	1	bc	*	*	6	5	8	*	2-3	2-3	800	*	1
	Lympne ...	1021·4	+6	-	0	b	48	75	7	-	-	1	0	1	-	1	*
2	Shoeburyness	1020·9	+8	W	1	bc	47	95	4	-	3	-	0	4-6	-	1	*
	Felixstowe ...	1020·6	+2·0	-	0	bc3	47	85	6	-	4	-	0	2-3	-	0	0
	Gorleston ...	1019·6	+6	NW'N	2	c	45	85	6	5	3	-	4-6	7-8	1500	0	2
	Cranwell ...	1020·2	+1·0	NW'N	3	bc	45	95	6	5	-	1	2-3	2-3	2500	1	*
3	Birmingham ...	1021·9	+8	WNW	3	b	47	75	6	1	-	-	1	1	2500	1	*
	Upper Heyford	1021·8	+1·4	NW	3	b	48	75	8	-	-	-	0	0	-	1	*
4	Ross-on-Wye ...	1021·6	+6	SSW	2	b	47	75	9	-	-	1	0	1	-	0	*
5	Portland Bill...	1021·1	+1·4	N	4	c	52	65	7	5	-	1	4-6	7-8	2500	0	3
	Plymouth ...	1022·3	+1·0	NNW	2	bc	49	75	8	-	-	8	0	4-6	-	0	1
	The Lizard ...	1023·2	+1·0	NNE	2	bc	51	85	8	7	4	-	2-3	4-6	4000	1	2
	Scilly (St. Mary's)	1023·5	+8	NE'N	1	bc	51	95	7	7	-	1	2-3	4-6	4000	0	1
	Guernsey ...	1021·0	+1·2	WNW	2	bc	52	85	7	-	3	-	0	4-6	-	0	2
6	Pembroke ...	1022·9	+6	-	0	bc	51	75	7	7	1	1	2-3	4-6	4000	0	1
7	Holyhead ...	1021·9	+1·0	NW'N	3	c	50	85	8	2	3	9	tr	9+	2500	0	1
	Chester (Sealand)	1021·7	+1·2	WNW	4	c	50	75	7	4	-	1	9	9	1500	0	*
8	L'pool (Bidston)	1021·7	+8	NW	3	bc	48	75	8	8	-	-	4-6	4-6	2500	0	*
9	Harrogate ...	1020·7	+1·0	N	3	bc	45	85	6	8	3	-	4-6	4-6	2500	1	*
10	Spurn Head ...	1019·7	+4	N'E	4	c	47	85	7	6	7	-	4-6	7-8	2500	0	3
	Catterick ...	1021·2	+1·6	WNW	2	c	44	85	7	5	-	-	9+	9+	2500	1	*
	Tynemouth ...	1020·4	+1·2	WNW	3	c	45	75	8	2	-	-	7-8	7-8	2500	1	2
11	Inchkeith ...	1021·4	+1·0	NW	3	bc	45	85	8	5	-	-	2-3	2-3	4000	0	2
	Leuchars ...	1020·9	+1·4	NW	2	b	44	75	8	1	-	-	tr	tr	4000	1	*
12	Renfrew (Abbotts L)	1021·7	+1·4	-	0	c	44	95	7	8	-	-	9	9	2500	0	*
	Eskdalemuir ...	1021·2	+1·6	WNW	2	bc	45	65	8	8	-	-	2-3	2-3	2500	1	*
13A	Tiree	1022·8	+1·0	N'E	2	bc	46	65	9	7	-	9	2-3	4-6	4000	0	2
13B	Stornoway ...	1020·9	+1·8	NNE	1	bc	46	75	8	8	6	1	2-3	4-6	1500	1	1
15	Dalwhinnie ...	1022·3	+1·6	N	1	bc	40	75	8	4	-	-	4-6	4-6	4000	1	*
	Aberdeen ...	1020·2	+1·2	NW'W	4	bc	44	85	8	8	3	-	4-6	4-6	2500	1	1
	Wick	1020·2	+0·6	NW	4	c	45	95	8	8	1	-	7-8	9+	1500	0	2
16	Lerwick ...	1017·3	+1·6	N'W	3	bc	47	85	8	8	4	1	2-3	4-6	1500	0	*
17	Blacksod Point	1021·7	-0·2	E	2	c	50	75	8	-	7	-	0	7-8	-	0	2
18	Malin Head ...	1022·0	+1·4	NNW	1	c	48	75	9	7	3	8	4-6	7-8	2500	0	0
	Aldergrove ...	1022·5	+1·8	NNW	2	c	46	85	8	5	7	6	1	9+	1500	1	*
	Donaghadee ...	1023·3	+1·8	NNE	2	bc	49	75	8	5	3	4	2-3	4-6	2500	0	1
19	Birr Castle ...	1022·1	+1·4	ESE	1	b	44	95	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.†	1021·7	+1·4	N	1	c	49	95	9	5	7	2	tr	9	5700	1	3
	Roches Point...	1021·8	+1·6	NW	2	bc	50	85	8	5	-	-	2-3	2-3	2500	0	2

PAST 24 HOURS.

Districts.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 14th Hrs. (36)
1	London (Kew)...	58	39	33	Tr.	Tr.	1·6
	Croydon ...	59	37	33	0·5	Tr.	1·9
	S. Farnborough	60	30	24	0·2	Tr.	2·5
	Winchester ...	59	37	30	0·1	-	4·8
	Boscombe Down	59	38	34	0·2	-	5·2
	Calshot, (S'thmtn)	61	44	36	1	Tr.	4·6
	Dungeness ...	55	37	*	1	-	*
	Lympne ...	56	41	38	2	-	5·8
2	Shoeburyness	57	37	27	2	-	2·1
	Felixstowe ...	52	39	36	1	-	4·9
	Gorleston ...	55	39	38	-	-	10·9
	Cranwell ...	58	40	35	Tr.	-	8·1
3	Birmingham ...	58	42	36	Tr.	-	6·6
	Upper Heyford	59	41	33	0·1	0·1	*
4	Ross-on-Wye ...	62	36	27	0·1	-	5·3
5	Portland Bill...	62	46	*	-	-	*
	Plymouth ...	60	45	38	Tr.	-	6·4
	The Lizard ...	59	45	*	Tr.	-	*
	Scilly (St. Mary's)	57	46	*	0·3	Tr.	3·0
	Guernsey ...	59	48	44	-	-	2·8
6	Pembroke ...	57	44	*	-	-	11·7
7	Holyhead ...	54	45	36	-	-	14·3
	Chester (Sealand)	55	43	35	-	-	11·7
8	L'pool (Bidston)	54	46	43	-	-	12·6
9	Harrogate ...	55	36	32	0·2	-	9·9
10	Spurn Head ...	55	45	*	-	-	12·4
	Catterick ...	55	38	35	0·5	-	6·9
	Tynemouth ...	50	43	42	Tr.	2	*
11	Inchkeith ...	57	42	36	0·5	0·6	6·4
	Leuchars ...	56	35	29	3	†	7·6
12	Renfrew (Abbotts L)	59	38	34	-	-	11·5
	Eskdalemuir ...	60	38	33	-	0·3	9·1
13A	Tiree	54	45	40	0·2	-	12·3
13B	Stornoway ...	50	35	*	0·6	Tr.	3·3
15	Dalwhinnie ...	52	30	25	-	†	4·2
	Aberdeen ...	54	39	36	0·4	0·1	5·3
	Wick	50	39	*	Tr.	Tr.	*
16	Lerwick ...	47	41	*	2	Tr.	4·8
17	Blacksod Point	55	47	*	-	-	*
18	Malin Head ...	53	46	*	-	-	14·7
	Aldergrove ...	57	40	35	-	-	14·3
	Donaghadee ...	54	43	*	-	-	*
19	Birr Castle ...	61	38	29	-	-	12·3
20	Valentia Obsy.†	60	45	40	-	Tr.	6·6
	Roches Point...	60	46	*	-	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	ir.cs3	r.m	bm0	58	39	33	Tr.	Tr.	1·6	*	*	7
Croydon	217	d.rcs3	bccp8	r.bc	59	37	33	0·5	Tr.	1·9	*	*	5
Greenwich (Royal Observatory) ...	149	idc	cr.p	cbx3	61	38	28	0·5	Tr.	1·5	58	65	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	60	41	37	0·4		1·4	68	63	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	61	40	32	0·1		1·5	69	65	5
Camden Square	110	oc	crc	*	61	41	35	0·4	-	*	*	64	*
Kensington	80	cor	cbc	*	61	40	31	0·5	Tr.	1·9	At 18h. 70		*
Hampstead Observatory	450	otbc	bcp	*	59	41	26	0·2	-	2·4	71	67	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 14th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014·9	N	2	c	54	1022·2	-	0	b	46
Brussels						1019·9	WNW	3	c	50
Berlin						1009·8	W	4	c	48
Zürich	1011·8	WNW	5	pr	55	1018·4	ESE	1	c	46
Rome						1014·4	SSE	4	w	59

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
54	41	1	-
	39		0·1
	43		0·5
59	43	3	12
	48		Tr.

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 15th.

South Kensington. Max.	Time.	Min.	Time.
1·0	21h. 14h.	Nil.	9-16h. 14h.

Kew Observatory. Max.	Time.	Min.	Time.
0·4	23h. 14h.	0·1	14h. 14h.

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 16th MAY 1933.

No. 26108

OBSERVATIONS at 13h. G.M.T. 15th MAY

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1021·9	+4	NNW	3	bc	58	85	8	1	-	-	4-6	4-6	4000
	Croydon	1021·7	0	W'N	3	bc	60	85	8	7	-	-	4-6	4-6	4000
	S. Farnborough	1021·8	+2	NW	4	bc	62	45	8	1	3	8	4-6	4-6	5700
	Winchester	1022·1	+2	NW	2	bc	59	55	8	4	-	5	2-3	2-3	4000
	Boscombe Down	1022·1	-2	NW	3	bc	58	55	8	1	-	9	4-6	4-6	4000
	Calshot, S'thmtn	1021·9	-2	NW'N	3	bc	62	35	8	1	-	1	2-3	4000	
	Dungeness	*	*	SW	3	bc	*	*	6	1	4	*	2-3	2-3	1500
	Lympne	1021·2	-2	SW	3	c	59	65	7	4	1-	-	9	9	4000
2	Shoeburyness	1021·2	+2	NW	4	bc	58	85	8	7	-	1	4-6	4-6	2500
	Felixstowe	1021·0	+6	NW	3	bc	56	65	8	2	-	-	4-6	4-6	2500
	Gorleston	1020·7	+8	N'E	4	c	54	75	7	5	-	-	7-8	7-8	2500
	Cranwell	1022·0	+10	NNE	2	c	53	65	6	(2)	-	-	9	9	2500
3	Birmingham	1022·1	+2	WNW	3	c	56	85	8	4	3	-	4-6	7-8	2500
	Upper Heyford	1022·6	+6	WNW	3	c	55	65	7	7	3	-	7-8	9	4000
4	Ross-on-Wye	1021·5	+4	WNW	3	bc	61	45	9	1	5	1	2-3	4-6	4000
5	Portland Bill	1022·1	+10	NW	3	bc	57	75	8	4	-	-	2-3	2-3	2500
	Plymouth	1022·8	+2	NNW	3	c	62	55	8	1	-	6	2-3	8	4000
	The Lizard	1023·6	0	E'S	1	c	61	55	8	1	-	7	1	10	4000
	Scilly (St. Mary's)	1023·8	0	NW'N	1	c	60	75	7	2	1	-	2-3	7-8	4000
	Guernsey	1022·9	+2	NNE	2	fs	58	75	5	1	1	8	2-3	7-8	2500
6	Pembroke	1023·7	+4	SW	1	bc	55	85	8	7	5	4	2-3	4-6	5700
7	Holyhead	1022·8	+2	NW'W	3	c	52	75	9	4	3	8	1	9+	4000
8	Chester (Sealand)	1023·1	+8	NW	3	c	55	65	8	1	9	8	Tr	7-8	4000
	L'pool (Bidston)	1023·3	+6	NW	3	bc	50	75	9	7	4	8	4-6	7-8	2500
9	Harrogate	1021·9	+6	NNW	2	c	53	55	7	3	7	7	7-8	9+	4000
10	Spurn Head	1021·6	+2	NNE	5	bc	53	75	7	5	1	-	2-3	4-6	4000
	Catterick	1022·0	+6	NE	2	c	53	65	7	3	-	3	2-3	9+	4000
	Tynemouth	1021·7	+10	N	3	bc	48	65	8	2	-	1	4-6	4-6	2500
11	Inchkeith	1021·9	+8	ESE	1	c	53	55	8	2	4	6	4-6	9	4000
12	Leuchars	1021·3	+2	E	2	c	53	55	9	8	6	6	4-6	7-8	2500
	Renfrew (Abbotts I)	1021·4	+2	S'W	3	c	54	55	8	7	-	7	4-6	10	4000
	Eskdalemuir	1021·4	+8	E'N	1	c	53	45	8	7	-	6	7-8	9+	4000
13A	Tiree	1023·1	+4	N	2	c	49	65	9	4	1	-	1	9+	4000
13B	Stornoway	1021·6	+4	E	2	bc	51	65	9	8	6	1	2-3	4-6	2500
15	Dalwhinnie	1021·6	0	N	2	bc	50	55	8	4	-	1	4-6	4-6	4000
	Aberdeen	1021·4	+10	NW'N	4	c	51	65	8	8	3	-	7-8	7-8	4000
	Wick	1021·0	+4	NE	4	c	49	75	8	8	1	-	7-8	9	1500
16	Lerwick	1019·6	+12	N	4	c/p	49	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1020·9	0	E'S	2	bc	59	95	9	-	7	4	0	7-8	-
18	Malin Head	1022·7	0	NE'E	1	c	48	75	9	2	9	-	1	9+	2500
	Aldergrove	1023·0	0	NW	1	c	52	65	9	5	2	8	1	10	4000
	Donaghadee	1023·8	+4	NNE	2	bc	51	65	8	5	3	-	2-3	4-6	1500
19	Birr Castle	1021·0	-8	S	2	c	63	55	8	1	-	6	4-6	8	2500
20	Valentia Obay.	1021·3	-8	S'E	3	o/d	59	85	7	5	-	-	10	10	800
	Roches Point	1021·3	-4	SW	3	bc	57	95	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 15th MAY

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1021·9	0	NNW	3	c	60	45	7	8	3	-	2-3	7-8	4000	0	*
	Croydon	1021·9	0	NW	2	c	59	45	7	7	3	9	7-8	9+	4000	1	*
	S. Farnborough	1021·9	+2	NW	1	bc	59	45	7	-	3	8	0	4-6	-	1	*
	Winchester	1022·0	+2	N	1	bc	59	55	8	7	4	-	2-3	4-6	4000	1	*
	Boscombe Down	1021·8	+6	NNW	1	c	59	55	7	4	3	9	4-6	7-8	4000	0	*
	Calshot, S'thmtn	1021·8	0	SW	2	c	59	65	8	1	7	6	Tr	7-8	4000	0	1
	Dungeness	*	*	SW	3	c	*	*	6	4	-	*	7-8	7-8	1500	*	2
	Lympne	1021·9	+4	NE'N	4	bc	55	65	7	7	-	-	2-3	2-3	6700	0	*
2	Shoeburyness	1022·6	+10	E'N	3	bc	50	85	7	1	-	1	2-3	2-3	4000	0	*
	Felixstowe	1022·9	+4	ENE	3	bc	50	85	8	8	-	1	2-3	2-3	4000	0	1
	Gorleston	1022·1	+6	NNW	3	bc	52	65	6	-	6	-	0	4-6	-	0	2
	Cranwell	1022·3	+2	SE	3	c	51	75	8	5	-	-	10	10	2500	0	*
3	Birmingham	1021·8	-2	NNW	2	c	57	55	8	4	-	-	9	9	5700	1	*
	Upper Heyford	1021·9	-2	NW	2	c	59	55	8	1	3	1	Tr	9	4000	1	*
4	Ross-on-Wye	1021·0	0	WNW	2	bc	62	45	9	7	8	9	1	4-6	4000	0	*
5	Portland Bill	1022·4	+8	NW	3	c	59	85	7	5	-	-	7-8	7-8	2500	0	3
	Plymouth	1023·2	+6	S	3	c	54	75	8	4	-	6	Tr	9	4000	0	2
	The Lizard	1023·6	0	SE'S	1	c	57	65	8	7	4	7	2-3	10	4000	0	1
	Scilly (St. Mary's)	1023·2	-4	SSW	1	c	56	65	8	1	-	1	1	7-8	4000	0	1
	Guernsey	1022·5	-4	-	0	bc	59	45	7	-	-	8	0	4-6	-	0	1
6	Pembroke	1022·7	-4	W	1	c	52	85	8	7	7	-	2-3	7-8	4000	0	1
7	Holyhead	1022·4	-2	W	2	c	52	65	8	5	3	8	4-6	9+	7200	0	1
8	Chester (Sealand)	1022·6	0	WNW	3	c	51	75	8	-	3	-	0	9+	-	0	*
	L'pool (Bidston)	1023·0	-2	NNW	1	c	50	75	8	5	-	8	4-6	9	2500	0	*
9	Harrogate	1022·0	0	-	0	c	52	65	7	6	-	-	9+	9+	4000	1	*
10	Spurn Head	1022·0	0	NNE	4	bc	49	75	8	-	7	8	0	4-6	-	0	3
	Catterick	1022·1	+4	NE'E	1	bc	50	65	6	1	3	6	1	4-6	2500	0	*
	Tynemouth	1022·0	+2	NNE	2	bc	49	75	8	2	-	-	4-6	4-6	2500	1	2
11	Inchkeith	1021·7	-6	ESE	3	c	52	65	8	5	7	9	2-3	7-8	4000	0	2
12	Leuchars	1021·3	-2	E	3	c	52	55	8	8	3	6	2-3	9	4000	0	*
	Renfrew (Abbotts I)	1020·9	0	SW	3	bc	55	55	9	1	7	9	Tr	4-6	4000	0	*
	Eskdalemuir	1021·1	0	SW	4	c	52	55	8	7	3	2	7-8	8	4000	1	*
13A	Tiree	1022·3	-2	NNW	1	c	49	65	9	4	7	-	1	9+	4000	0	1
13B	Stornoway	1021·1	-2	ENE	2	c	48	75	9	8	6	1	2-3	7-8	1500	1	1
15	Dalwhinnie	1021·5	-2	NE	3	bc	53	55	8	4	1	-	1	4-6	4000	0	*
	Aberdeen	1021·7	+6	NW'N	4	c	51	65	8	8	3	-	2-3	4-6	4000	1	2
	Wick	1021·5	+4	NNE	3	c/pr	47	85	8	8	1	-	4-6	9	1500	0	2
16	Lerwick	1020·4	+10	N'W	3	c	46	75	8	8	7	1	4-6	7-8	1500	0	*
17	Blacksod Point	1020·0	0	SW	3	c	55	85	9	5	-	-	9	9	450	0	2
18	Malin Head	1021·8	-4	E'N	1	c	47	75	9	5	7	-	2-3	10	2500	0	0
	Aldergrove	1021·3	0	-	0	c	54	55	9	5	7	-	Tr	9+	4000	0	*
	Donaghadee	1021·8	-4	ENE	1	bc	48	75	8	5	-	-	4-6	4-6	1500	0	0
19	Birr Castle	1020·0	-2	S	1	c	62	75	8	5	2	-	9	10	2500	0	*
20	Valentia Obay.	1021·3	+2	S	3	id.	54	95	6	5	-	-	10	10	450	1	3
	Roches Point	1021·9	+4	W	3	c	54	95	8	3	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 15th (37)	13h.–18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.–7h. 16th (40)
bbcy	bcycy	cybm.	bcmc
bm.z.y	cybcc	cz.ybm.	bm.wbc
bbybcy	bcy	bcyc	cwm.
by	bbcy	bcb	bm.ff
bbcy	bcy	bcbm.	bccm.w
bm.by	bbcy	cfcmv	
bc	bc		bcc
bz.bc	cbcy	bcbm.c	bcwcm.
bcmbc	bc	bc	c
bc	bbc	bc	c
cq	cbc	bc	bcc
bcz.c	cz.c	c	c
bbcc	bcc	c	cmf
bbcc	cbc cy	cybc	bccmw
bv bcvy	bcvy	cvybc	cw
bbc	bcc	bcb	bbc
bcbvcy	bcvyo	c	cw
bccy	c	cbc	bcc
bcc	c	cbcb	bcc
bcm	bc	bcbw	bwbc
bccvbc	bcc	cbc	bccfecmw
c	cbcv	cbcc	c
cbc	cv	c	bcwwc
bccbv	bcvcv	cvc	cp.c
bcc	c	c	c
cbc	bc	bcc	bc
cbccy	cbcz.	z.bcw	wwbcc
cbc	bc	bco	o
bcc	c	c	c
bvyc	cvbcy	c	c
bcc	cbc	bcvc	cm.
bcycy	cy	cycw	cw
bcc	c	cir.	cir
bc	bcc	cbcc	c
bc	bc	*	bc
bcc	cbc	bcb	bcw
cpr.	cpr.	bc	bc
bcc	cpr.	cbr	cprbc
bc	cbc	im.	id.
c	c	c	rrcrr
c	cv	cyc	cr.rr
bcy	c	coir	oir
cid.c	co id.	coid.	cicdd.
bcofbc	bcc	c	coid.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☿ lunar halo. ⸗ gale

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; –, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

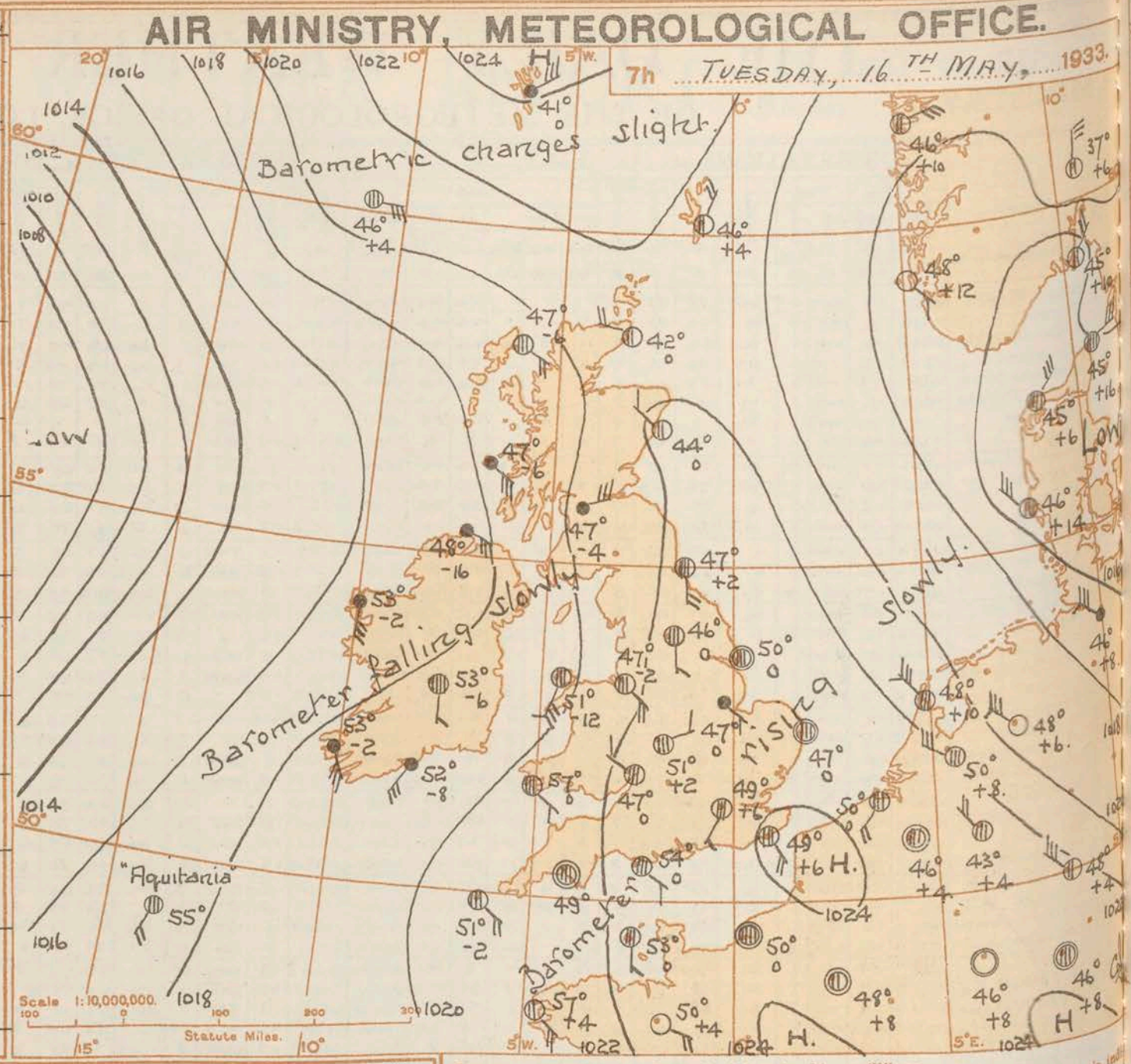
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 15th MAY 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 14th to 9h. 15th.	Temperature. Max. 9h.—17h. 15th.	Rainfall. Night. 17h. 14th to 9h. 15th.	Rainfall. Day. 9h.—17h. 15th.	Sunshine. Sunrise to 17h. 15th.	Sunshine. Sunrise to Sunset. 14th.
1	Tunbridge W.	b	bbcb	35	63	–	–	10·9	1·9
	Bournemouth	b	b	41	66	–	–	12·0	5·4
	Ventnor ...	b	bcbzb	48	62	–	–	10·8	5·2
	Southsea ...	b	b	43	64	–	–	11·8	4·8
	Bognor Regis	b	b	43	63	–	–	11·7	4·0
	Littlehampton	bc	bc	42	64	–	–	11·6	3·5
	Worthing ...	b	b	42	61	–	–	11·8	2·9
	Brighton ...	bbc	b	40	60	–	–	11·5	3·5
	Eastbourne†	b	b	40	61	0·1	–	12·1	2·3
	Hastings† ...	b	bbc	43	58	0·4	–	11·6	2·0
	Folkestone ...	bbc	bc	41	56	–	–	8·6	3·8
	Dover... ...	bcc	cbc	41	55	–	–	7·1	4·3
	Deal	bbco	obc	46	59	–	–	7·0	4·8
	Ramsgate ...	bc	bc	42	60	–	–	10·8	4·7
	Margate ...	bc	bc	47	63	–	–	11·5	5·4
2	Southend ...	b	bbcc	44	62	Trace	–	10·3	1·9
	Maldon ...	wb	bbcc	38	61	–	–	8·8	2·4
	Clacton-on-Sea	bc	bc	39	59	–	–	8·2	5·0
	Dovercourt ...	bc	bc	41	62	–	–	10·1	5·7
	Lowestoft ...	bc	bc	38	53	–	–	4·6	11·2
	Skegness ...	bc	b	39	52	–	–	8·0	11·9
	Mablethorpe	c	cbc	38	52	–	–	6·0	12·3
	Cleethorpes ...	bcc	c	40	53	–	–	6·1	11·3
3	Leamington S.	bcb	bbc	38	62	–	–	10·0	5·6
4	Cheltenham†	wb	bbcy	37	64	–	–	11·8	7·2
5	Bath	b	bbc	41	64	–	–	11·7	6·2
	Weymouth ...	byv	by	45	66	–	–	12·2	6·5
	Jersey ...	bc	bcz	46	60	–	–	10·2	0·6
	Torquay ...	bwy	by	45	64	–	–	11·1	7·9
	Penzance ...	bcb	bc	45	62	–	–	10·7	5·2
	St. Ives ...	b	b	48	57	–	–	11·4	4·8
	Bude	wbcb	bz	37	57	–	–	11·1	7·0
	Ilfracombe ...	b	bbc	46	57	–	–	10·8	8·8
6	Aberystwyth	bbcbc	bbcc	37	57	–	–	10·6	11·1
7	Llandudno ...	bc	bcc	47	55	–	–	6·7	12·6
	Colwyn Bay...	bcbc	bcbcc	43	55	–	–	4·7	12·1
	Rhyl								
8	Wallasey ...	bcc	cbcc	47	55	–	–	2·7	13·1
	Southport‖ ...	bcco	co	47	55	–	–	5·1	14·5
	Blackpool ...	bc	bcc	47	55	–	–	6·8	14·3
	Morecambe ...	b	cbcc	46	57	–	–	9·0	13·8
9	Ilkley... ...	bcc	bcc	37	58	–	–	3·1	9·0
10	Berwick-on-T.	bc	bc	43	52	–	–	?	9·7
11	Dunbar ...	r bc	bc	42	53	/	–	12·5	8·2
12	Troon... ...	bcbc	cbc	42	57	–	–	6·2	13·8
	Douglas ...	cb	cbc	45	54	–	–	5·0	14·5

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 1/10 to 7/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. T Thunder. ET Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th, May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light variable or southeast wind; fair, but considerable cloud at times; rather warm inland.
7. North Wales 8. N.W. England	Light or moderate southerly wind; cloudy, occasional local rain or drizzle ; mild.
9. N. Midlands 10. N.E. England	Light or moderate southeast or south wind; mainly cloudy; mild.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotld. B. N.W. Scotland.	Light or moderate southeast or south wind; dull or cloudy; rain or drizzle; becoming milder.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate east or southeast wind; cloudy; probably rain or drizzle spreading from southwest; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate southerly wind; dull or cloudy; occasional drizzle; mild.

GENERAL INFERENCE.

A ridge of high pressure connecting an anticyclone north of the Faeroes with one over France continues to move east as a depression spreads from the Atlantic. There will be occasional drizzle or rain in Scotland, Ireland and perhaps Northwest England, but weather will be dry elsewhere.

FURTHER OUTLOOK.

Fair and rather warm in the Southeast; rather unsettled in the West and North.

Forecasts issued at 0920 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
TUESDAY
16th MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 16th MAY 1933.

No. 26108

OBSERVATIONS at 1 hr. G.M.T. 16th

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1023.1	0	S	3	b	47	85	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1023.3	+2	ESE	3	bc	46	85	7	-	3	1+	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1023.2	0	W	2	bc	44	85	7	-	3	-	0	4-6	-
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1022.4	-4	NNW	1	b	49	95	8	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1022.5	-10	SE'S	2	bc	50	65	8	7	-	1	2-3	2-3	4000
	Scilly (St. Mary's)	163	1022.2	-10	SE	2	bc	49	95	8	7	-	5	1	4-6	4000
	Guernsey	175	1023.4	-4	-	0	b	47	95	8	-	-	-	0	0	-
6	Pembroke	142	1019.8	-4	E	1	bc	48	95	7	5	5	-	2-3	4-6	2500
7	Holyhead	26	1021.1	-14	SSE	2	c	48	85	8	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1022.5	0	-	0	c	45	95	8	-	2	-	0	9+	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1022.1	-4	SW	2	0	45	85	6	5	-	-	10	10	1500
11	Inchkeith	190	1021.9	-4	ESE	1	c	47	75	8	5	2	-	4-6	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1019.9	-10	ENE	2	c	45	95	8	8	6	-	4-6	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022.4	-6	W	2	bc	37	95	8	5	-	8	2-3	2-3	2500
16	Lerwick	54	1021.1	+2	N	1	pr	43	85	8	8	-	-	9	9	1500
17	Blacksod Point	18	1017.7	-4	-	0	ig	52	85	8	5	-	-	9	9	220
18	Malin Head	52	1018.6	-20	SE	3	r	49	75	9	8	2	-	7-8	10	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.7	-6	S	4	do.	52	95	6	6	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 16th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1023.2	+6	-	0	c	50	85	6	5	7	-	4-6	9+	4000	0	*
1022.9	+6	SW'S	1	c3o	49	85	6	4	7	-	2-3	9+	7200	0	*
1022.7	+4	S'E	2	c	50	85	6	5	1	7	7-8	10	5700	1	*
1022.5	+4	SSE	1	f	49	95	2	·	·	·	10	10	4150	1	*
1022.4	+4	-	0	c	48	95	6	5	4	7	4-6	9	4000	0	*
1022.4	+8	E	1	c	52	95	6	5	7	6	2-3	9	2500	0	1
*	*	S'W	2	bc	*	*	6	1	7	*	2-3	4-6	2500	*	1
1024.1	+6	SSE	2	c3o	49	95	6	6 5	-	-	9+	9+	800	1	*
1023.4	+6	S	1	c	50	85	7	5	2	-	9	9+	5700	0	*
1023.4	+2	S'E	2	c	50	75	8	5	7	-	4-6	10	4000	0	0
1023.0	0	-	0	c	47	95	6	4	-	-	9	9	2500	0	2
1022.6	0	SE'S	1	c3o	47	95	7	5	2	-	9	10	4000	0	*
1021.8	+2	ENE	1	f	51	85	3	-	7	-	0	9	-	1	*
1022.4	+6	-	0	m	48	95	4	-	7	7	0	10	-	1	*
1022.2	0	NW	1	c	47	85	8	-	9	7	0	9	-	0	*
1022.4	0	SE	1	c	54	85	7	5	-	-	7-8	7-8	2500	0	2
1021.9	+2	-	0	c3o	49	85	8	-	-	8	0	9	-	0	0
1021.4	0	E'N	2	c	52	75	8	7	1	8	4-6	10	4000	1	2
1021.1	-2	SE	2	c	51	95	7	5	5	-	2-3	7-8	4000	0	1
1022.2	0	S	1	bc	53	85	7	6 3	6	-	0	4-6	-	0	1
1021.0	0	SE	1	c	51	95	6	5	-	-	9+	9+	2500	0	1
1019.8	-12	S'W	4	c	51	85	8	5	7	-	1	10	800	0	1
1021.6	-2	SE'S	2	0	47	85	6	5	-	-	10	10	4000	0	*
1021.2	0	SE'S	2	c	47	85	6	5	7	-	4-6	9	1500	0	*
1022.2	0	S	1	c	46	85	5	6	2	-	9	10	2500	1	*
1022.6	0	-	0	c	50	75	7	5	7	-	4-6	9+	4000	0	1
1021.9	0	SE	1	c	47	85	7	5	7	-	9	10	5700	1	*
1022.3	+2	S	2	0	47 8	85	6	6	-	-	10	10	1500	1	2
1021.7	+2	ESE	3	c	48	85	8	5	7	-	7-8	10	2500	0	2
1021.5	-2	E	2	c	47	75	8	5	7	-	1	9+	5700	0	*
1020.4	-4	ENE	3	c3o	47	85	5	5	2	-	4-6	10	2500	0	*
1021.4	0	-	0	c	45	85	8	-	2	-	0	10	-	1	*
1018.5	-6	SE'E	3	rr3o	47	85	8	5	2	-	9+	10	2500	1	2
1018.3	-6	ESE	2	c3o	47	85	9	8	6	-	2-3	9	1500	1	1
1020.9	-2	SE	3	c	44	85	8	4	2	-	4-6	10	800	0	*
1022.1	0	NW	1	bc	44	85	8	8	3	-	2-3	2-3	5700	1	1
1021.8	0	WNW	2	bc	42	95	8	8	7	-	4-6	4-6	2500	0	1
1021.2	+4	NNE	2	bc	46	65	8	2	8	-	2-3	4-6	1500	0	*
1016.7	-2	S	3	id3o	53	95	6	6	-	-	10	10	4150	1	2
1016.9	-16	E'S	3	rr3o	48	95	6	6	2	-	9+	10	450	1	0
1018.2	-12	E	2	rr3o	48	95	6	6	-	-	10	10	800	1	*
1019.4	-10	SSE	2	rr	47	95	7	6	-	-	10	10	800	1	1
1018.2	-6	S	1	o/r	53	95	7	6	-	-	10	10	1500	1	*
1018.1	-2	S'E	3	id3o	53	95	6	5	-	-	10	10	450	1	3
1019.1	-8	SW	3	id3o	52	95	7	5	-	-	10	10	800	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 16th Hrs. (36)
61	45	37	-	-	11.2
61	46	42	-	-	10.7
63	45	39	-	-	12.6
62	39	34	-	-	12.2
62	41	35	-	-	12.0
63	44.5	40	-	-	13.0
58	49	*	-	-	*
59	44	42	-	-	11.1
61	45	41	-	-	9.4
59	42	37	-	-	10.4
54	41	39	-	Tr.	7.9
57	44	41	-	-	6.9
59	46	33	-	-	8.0
61	44	37	-	0.1	*
66	41	33	-	-	12.9
59	48	*	-	-	*
63	45	39	-	-	11.7
61	49	*	-	-	*
61	48	*	-	-	12.5
60	45	38	-	-	13.8
57	46	*	-	Tr	8.6
54	47	38	-	-	8.3
57	43	36	-	-	3.5
51	46	44	-	0.1	2.3
55	45	42	-	-	6.0
54	44	*	-	-	10.5
54	42	41	-	-	4.3
50	44	38	-	0.6	4.2
51	43	*	-	-	11.6
53	(36)	27	-	-	7.5
54	34	30	-	-	9.0
50	32	*	0.3	Tr.	*
49	42	*	0.3	0.3	7.7
61	52	*	-	4	*
50	46	*	-	7	1.9
55	46	44	-	4	2.9
53	46	*	-	5	*
66	51	50	-	4	6.1
59	53	52	Tr.	2	0.1
57	51	*	-	0.2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F. (Yesterday.)	Temperature. Night Min. °F. (Yesterday.)	Temperature. Min. on Grass °F. (Yesterday.)	Rainfall. Day. mm. (Yesterday.)	Rainfall. Night. mm. (Yesterday.)	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	6bc4	bc4c4	c4bcm3	61	45	37	-	-	11.2	*	*	6
Croydon	217	bm3.4	c4bcc	y6mbc	61	46	42	-	-	10.7	*	*	6
Greenwich (Royal Observatory)	149	bc4	bcc4	c6e	63	45	39	-	-	9.7	44	75	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	10.4	*	*	*
Westminster (St. James' Park)	27	*	*	*	63	49	45	-		9.7	43	70	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	63	48	43	-		10.3	52	75	5
Camden Square	110	bbc	bcc	*	63	43	44	-	-	*	*	70	*
Kensington	89	bc	bc	*	62	47	41	-	Tr	10.2	At 18h. 75		*
Hampstead Observatory	450	bc	bc	cb.	60	40	39	-	Tr	11.2	*	72	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th MAY. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 16th MAY. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021.4	-	0	c	59	1023.7	-	0	3	48
Brussels	1021.1	NNW	3	c	52	1023.6	-	0	c3o	46
Berlin	1019.9	WNW	2	c	56	1014.3	W	3	c	46
Zürich	1020.6	NNW	4	bc	52	1022.3	SSE	2	bc	46
Rome	1020.5	WNW	3	bc	63	1017.4	SW	1	6	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
61	43	Tr.	-
59	36	1	-
54	43	7	Tr.
59	39	Tr.	-
70	46	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 16th

South Kensington. Max.	Time.	Min.	Time.
1.0	8h. 15th	Nil.	10-17h. 15th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	21h. 15th	40.1	14h. 15th

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ "
6 Moderate "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 17th May 1933.

No. 26,109.

OBSERVATIONS at 13h. G.M.T. 16th May

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1020·8	-10	W	2	c	63	55	7	1	-	8	4-6	9	4000
	Croydon	1020·8	-10	SSW	3	c	64	45	8	7	7	-	4-6	9	4000
	S. Farnborough	1020·9	-6	SW	4	bc	65	45	8	1	8	-	4-6	4-6	5700
	Winchester	1020·8	-10	W	3	c	64	55	7	7	7	-	4-6	7-8	4000
	Boscombe Down	1020·4	-14	SW	2	c	63	66	8	7	8	8	4-6	7-8	4000
	Calshot, S'thmtn	1021·7	+2	SSW	3	c	61	55	8	8	8	8	2-3	9	5700
	Dungeness	*	*	SE	2	c	*	*	5	5	-	*	9	9	1500
	Lympne	1023·0	-6	SSE	2	r_o	53	85	6	5	1	-	4-6	10	7200
2	Shoeburyness	1021·5	-10	S	2	c	61	75	6	4	7	-	2-3	9+	4000
	Felixstowe	1022·3	-10	SE	3	c	54	75	8	5	7	-	4-6	9+	5700
	Gorleston	1022·7	-2	~~SSW~~ SSE	3	r_o	50	95	6	6	-	-	10	10	2500
	Cranwell	1021·4	-2	ESE	1	c	54	75	6	5	7	-	7-9	10	7200
3	Birmingham	1020·4	-6	W	2	$r_o r_o$	57	65	6	6	1	-	4-6	10	2500
	Upper Heyford	1020·3	-10	SSW	2	c	62	65	7	1	7	-	4-6	9+	2500
4	Ross-on-Wye	1019·5	-10	SW	2	c/pr	63	55	7	1	7	-	Tr	9+	5700
5	Portland Bill	1021·4	-4	SW	2	c	60	85	7	5	4	-	4-6	7-8	2500
	Plymouth	1020·8	-4	S	3	bc	59	65	8	-	3	4	0	2-3	-
	The Lizard	1021·0	0	E'S	2	bc	58	75	8	7	4	-	2-3	4-6	4000
	Scilly (St. Mary's)	1020·2	-4	SW	2	bc	60	65	7	7	-	-	4-6	4-6	4000
	Guernsey	1021·2	-6	ENE	2	bc	63	65	7	1	8	8	1	4-6	4000
6	Pembroke	1020·2	-2	SSE	1	c	56	85	7	5	7	-	2-3	9+	4000
7	Holyhead	1019·5	-2	SW'S	4	r_o	52	85	7	6	7	-	1	10	2500
	Chester (Sealand)	1020·7	+2	-	0	r_o	54	65	7	5	2	-	9+	10	4000
8	L'pool (Bidston)	1020·6	+2	-	0	rr	51	85	6	6	-	-	10	10	800
9	Harrogate	1021·1	0	SE	1	rr	48	85	5	6	-	-	10	10	2500
10	Spurn Head	1021·7	0	SE	4	rr	49	95	6	6	2	-	4-6	10	1500
	Catterick	1021·2	+4	SE	2	$r_o r_o$	49	95	6	4	2	-	4-6	10	1500
	Tynemouth	1021·1	+2	SE	2	$r_o r_o$	47	85	6	6	-	-	10	10	1500
11	Inchkeith	1020·6	0	E	2	$r_o r_o$	50	85	7	9	1	-	7-8	10	2500
12	Leuchars	1020·7	0	E	2	$r_o r_o$	47	85	7	6	2	-	7-8	10	1500
	Renfrew (Abbotts I.)	1019·7	-4	E'N	2	$r_o r_o$	50	85	4	6	-	-	10	10	1500
	Eskdalemuir	1020·1	-2	SE	2	rr	47	85	6	6	2	-	9+	10	1500
13A	Tiree	1018·7	+2	ESE	4	$r_o r_o$	51	85	7	5	1	-	7-8	9+	2500
13B	Stornoway	1017·8	+4	ESE	2	c	52	65	9	8	6	-	4-6	9	1500
15	Dalwhinnie	1019·3	0	SE	3	c	49	65	8	3	2	-	2-3	10	1500
	Aberdeen	1021·5	0	SSE	3	c	48	75	7	8	7	-	2-3	7-8	5700
	Wick	1020·8	-4	NE	3	bc	49	75	8	2	4	8	2-3	4-6	4000
16	Lerwick	1021·0	-4	ENE	2	c	47	65	9	7	-	-	7-8	7-8	1500
17	Blacksod Point	1017·7	+4	SW	2	c	56	85	8	5	-	-	9+	9+	<150
18	Malin Head	1016·9	0	-	0	bf	54	95	3	-	-	-	0	0	-
	Aldergrove	1017·3	-6	W	1	cjp	58	85	8	8	3	-	9	10	800
	Donaghadee	1017·7	-8	SW	1	c	57	95	7	5	-	-	9	9	1500
19	Birr Castle	1018·4	0	SW	1	c/r	59	85	8	8	-	-	9+	9+	1500
20	Valentia Obsy.	1018·7	-2	SW'S	2	c	57	95	7	5			9+	10 9+	800
	Roches Point	1019·9	0	SW	3	f	54	95	3	5	-	-	10	10	<150

OBSERVATIONS at 18h. G.M.T. 16th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1019·5	-4	SSW	3	p_o	62	55	8	8	1	-	9	10	4000	0	*
1019·7	-4	S'W	3	c	60	55	7	5	3	8	7-8	9+	7200	0	*
1019·7	-2	SW'S	2	c	61	55	8	5	7	7	2-3	10	5700	1	*
1019·6	-8	S	3	c	59	45	7	-	4	6	0	9+	-	1	*
1019·4	-6	S	2	c	59	55	8	5	4	6	2-3	9	5700	0	*
1020·1	-6	SW'S	1	c	60	45	8	-	7	8	0	9	-	0	1
*	*	SW	2	c	*	*	7	4	9	*	4-6	9	1500	*	2
1021·1	-6	SE'S	1	c	53	85	7	7	7	-	7-8	9+	5700	0	*
1020·0	-6	ESE	2	r_o	55	95	6	9	2	-	7-8	9+	1500	1	*
1021·8	-2	ENE	3	c	50	85	7	5	2	-	7-8	10	5700	1	2
1021·9	-4	SSE	4	$r_o r_o$	48	95	6	6	-	-	10	10	1500	1	3
1020·4	-10	ESE	2	c	51	95	6	5	2	-	7-8	10	800	1	*
1019·6	-8	ENE	2	c/pr	59	75	6	6	7	-	4-6	9+	2500	1	*
1019·6	-8	NE	2	c	58	65	7	5	7	-	4-6	10	2500	1	*
1018·8	-6	E'N	1	c	62	65	7	1	7	8	Tr	9+	4000	0	*
1019·9	-6	SE	2	c	59	95	7	5	4	1	7-8	10	2500	0	2
1019·5	-2	SSW	1	c	58	85	7	-	-	6	0	7-8	-	0	1
1019·4	-4	E	2	bc	56	95	8	7	-	1	2-3	4-6	5700	1	2
1019·6	-4	WNW	2	c	58	85	6	5	6	3	2-3	7-8	4000	0	1
1019·9	-10	-	0	bc	61	65	7	-	3	-	0	4-6	-	0	1
1019·5	-6	SE	1	c	56	75	7	5	7	1	4-6	7-8	2500	0	1
1018·3	-10	SSW	3	c	53	85	8	5	-	2	7-8	9	4000	1	1
1019·7	-10	SE'S	2	c/d	53	85	6	5	-	-	9+	9+	1500	1	*
1020·1	-8	-	0	c	53	85	8	5	2	-	7-8	10	1500	1	*
1020·1	-4	E	3	c	48	95	7	5	2	-	9+	10	1500	1	3
1019·9	-6	ESE	3	$r_o r_o$	48	95	7	6	7	-	4-6	9+	800	1	*
1019·0	-2	NE	3	df	49	95	3	6	-	-	10	10	1500	2	*
1019·6	-4	-	0	rr	46	85	7	6	2	-	9+	10	1500	1	*
1018·4	+4	SSE	3	c	51	85	8	5	3	9	1	9+	2500	1	3
1017·7	0	ENE	1	c	50	85	8	8	6	-	4-6	9 8	1500	1	1
1020·1	0	SE	2	c	45	85	7	3	2	-	7-8	10	800	1	*
1021·0	-6	SE	3	c	46	85	7	8	7	-	4-6	7-8	1500	0	1
1021·0	0	ENE	3	bc	47	85	8	5	8	8	2-3	4-6	2500	0	2
1021·5	+4	ENE	1	c	46	75	9	7	-	-	7-8	7-8	1500	0	*
1017·8	+6	SW	2	c	55	95	8	5	-	-	9+	9+	<150	0	2
1017·6	+4	E'S	2	c	50	95	7	5	2	-	9	10	220	0	1
1017·4	0	N	1	c/pr	58	75	8	8	-	-	9+	9+	1500	1	*
1017·4	-2	S	1	c	53	95	7	8	3	-	4-6	7-8	2500	1	0
1017·9	0	WNW	1	c	60	85	8	8	-	7	7-8	9+	2500	1	*
1018·8	+2	SW'S	2	c	57	85	8	5	-	-	10	10	800	1	2
1018·6	-4	SW	3	o/f	54	95	7	5	-	-	10	10	1500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 16th (37)	13h.–18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.–7h. 17th (40)
ccy	cycp_o	cybc	cm_o
cm_2z_o	cy	$cu3_o m_o w$	$cw3_o$
cbc	bcyc	cyc	$c3_o$
fcmc	cy	c	c
cm_obc	bc cy	c	cm_o
cm_obcy	cbcy		cm_o
o	o	*	o
cm_o	bcc	$pr_o cm_o$	cm_o
$cir_o m_o$	$cir_o m_o$	$cir_o m_o$	cm_o
c	$cr_o rrm_o c$	$cr_o cr$	c
cor_o	$cir_o q$	$cr_o r_o q$	$cir_o o$
$cr_o cm_o$	crrc	c	cbc
cr_o	cpr_o	c	cmfw
cmzy	$crr_o r_o$	$cpr_o bc$	$bc_o cm_o w$
$c\oplus cp_o$	c	c	$cmcf_o$
c	c	co	oc
cybc	bcc⊕	c	cw
cbc	bg	$bc_o fbc$	$bc_o cm_o$
cbc	bcc	cbc	bcc
bcc	bc	bcb	$bc_o bc$
$m_o c$	bcc	c	$cm_o c$
$ri_o c$	$ir_o c$	c	$d_o o$
$m_o r_o$	$Rid_o m_o$	cm_o	cm
corr	arrc	occ	cof
corr	corr	cod_o	$offd_o$
$ecr_o r_o$	$cr_o r_o$	pro	orr
$m_o rr_o$	$cr_o m_o$	$cmom_o$	$morr_o f$
$or_o r_o$	arr	oir_o	$oir_o d$
arr	$cr_o r_o$	$ir_o co$	oc
$amrr_o$	$om_o f$	$odfcm_o$	cm_o
$crr m_o$	crr	$cri_o d_o$	c
$cirr_o r_o$	$cr_o r_o$	c	cw_o
c	c	c	cbc
c	ir	*	c
bwbcc	c	c	$cbcw_o$
bc	bc	cbc	bc
bcc	c	cbc	bc
id_o	c	irr_o	o
$cir_o f$	$f_o c$	c	c
$orrDDr$	$cr_o pr_o$	c	cm_o
orrc	crrc	coft	off
oir_o	$cpr_o c$	cpr	$coir_o$
$oi_o dr_o c$	c	$cidi_o$	$cid_o c$
$id_o ffe$	$offe_o o$	oifec	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/e, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

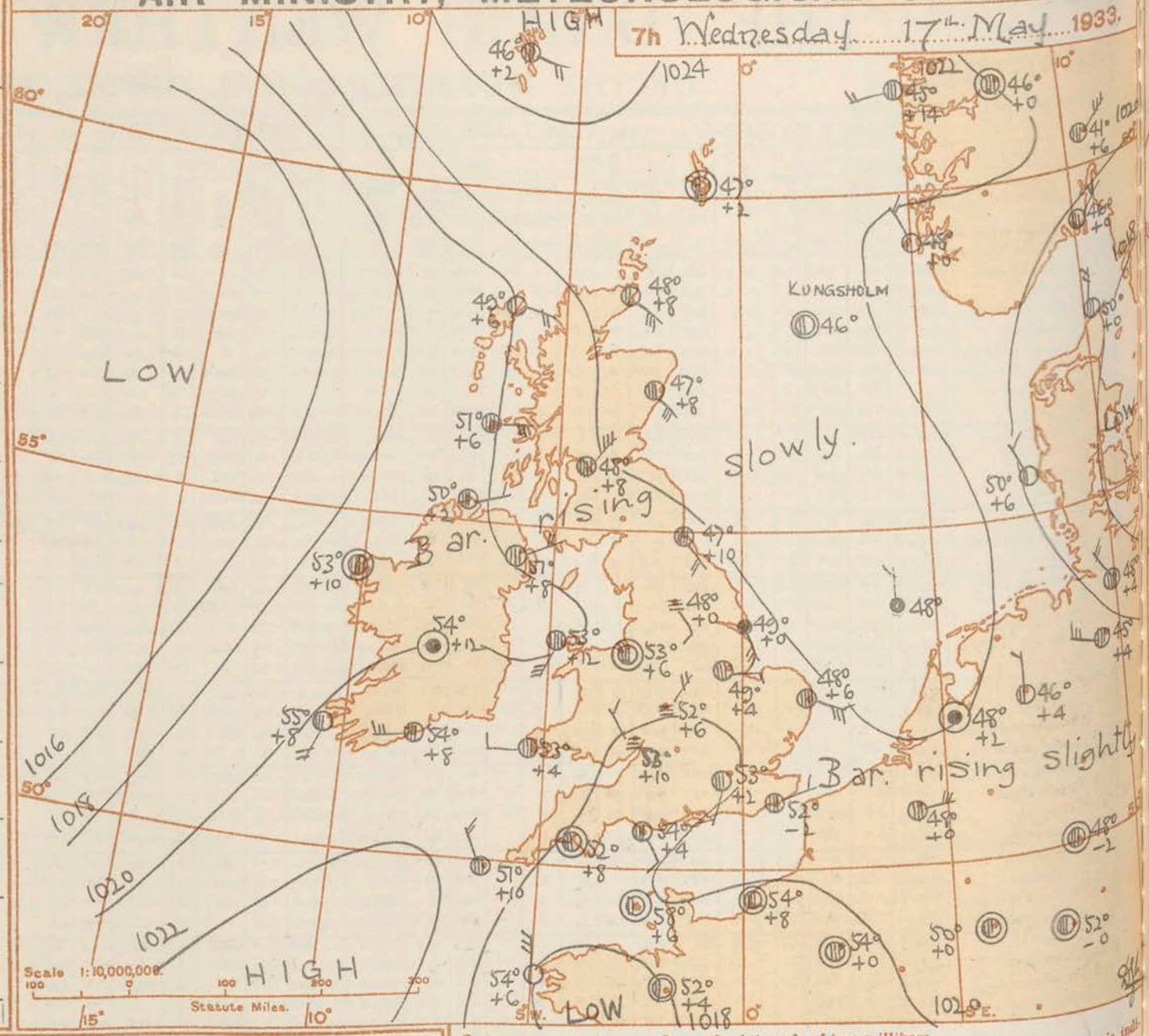
REPORTS from HEALTH RESORTS for 16th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min 9h.15th to 9h.16th.	Temperature. Max. 9h.—17h. 16th.	Rainfall. Night. 17h.15th to 9h.16th.	Rainfall. Day. 9h.—17h. 16th.	Sunshine. Sunrise to 17h. 16th.	Sunshine. Sunrise to Sunset. 15th.
1	Tunbridge W.	bcco	cobc	43	65	-	-	4·1	11·6
	Bournemouth	c	bcc	44	64	-	-	6·5	12·8
	Ventnor ...	b3	b3	50	60	-	-	9·0	11·8
	Southsea ...	bc	bcb	48	65	-	-	7·5	13·3
	Bognor Regis	bcbbc	cr,bc	49	58	-	Trace	5·4	12·9
	Littlehampton	bc	bc	46	59	-	-	4·3	12·8
	Worthing ...	bc	cbc	46	57	-	-	6·1	13·0
	Brighton ...	bbcc	cbc	46	57	-	-	4·5	12·4
	Eastbourne†	mcbcc	cp,c	49	59	-	Trace	2·0	12·7
	Hastings† ...	oc	cbcc	47	58	-	-	3·2	12·5
	Folkestone ...	om,c	cbc	45	57	-	-	2·8	9·0
	Dover... ...	c	cbcc	48	56	-	-	2·1	8·2
	Deal	o	oco	45	59	-	-	1·0	7·5
	Ramsgate ...	c	c	48	56	-	-	0·3	11·1
	Margate ...	c	cp,	47	54	-	0·2	0·1	12·0
2	Southend ...	oc	ocr,	47	63	-	Trace	1·1	10·6
	Maldon ...	oc	cro	44	60	-	0·3	0·0	8·8
	Clacton-on-Sea	c	c	48	54	-	-	0·0	9·2
	Dovercourt ...	bcc	roc	45	54	-	1	0·0	10·5
	Lowestoft ...	bcco	cpro	38	53	-	1	0·7	6·7
	Skegness ...	om,	om,r	45	53	-	2	0·0	9·8
	Mablethorpe	or	or	43	54	-	4	0·0	8·0
	Cleethorpes...	or,r,	or,	45	53	-	3	0·0	7·6
3	Leamington S.	oc	bcco	46	61	-	-	0·6	10·2
4	Cheltenham†	cw	ycpo	44	65	-	Trace	1·4	12·8
5	Bath	cbcb	bbcc	44	67	-	-	5·0	12·2
	Weymouth ...	cbcb	b	45	63	-	-	6·8	12·6
	Jersey ...	b	b	48	68	-	-	10·5	12·0
	Torquay ...	bcb	bc	44	60	-	-	8·3	11·5
	Penzance ...	b	b	45	60	-	-	9·4	11·0
	St. Ives ...	b	b	48	63	-	-	9·0	12·1
	Bude	cbcb	bbc3	44	64	-	-	7·7	11·1
	Ilfracombe ...	bcb	b	47	60	-	-	8·8	11·6
6	Aberystwyth	c	c	45	58	-	-	0·3	11·8
7	Llandudno ...	cr,c	odc	44	56	Trace	0·6	0·0	6·7
	Colwyn Bay...	crocc	odo	42	53	-	0·3	0·0	4·7
	Rhyl								
8	Wallasey ...	cpr	c	47	53	0·5	2	0·0	2·7
	Southport‖ ...	or	do	46	54	0·1	0·4	0·0	5·1
	Blackpool ...	od	odo	46	53	0·3	0·8	0·0	6·8
	Morecambe ...	c	crc	47	54	-	2	0·0	9·0
9	Ilkley... ...	cr	ro	44	51	Trace	2	0·0	3·1
10	Berwick-on-T.	or,	r,ro	44	48	-	3	0·0	?
11	Dunbar ...	cr,	cr,	45	49	-	1	0·0	13·4
12	Troon... ...	or	orro	42	51	1	3	0·0	6·2
	Douglas ...	oRR	offd	45	50	2	4	0·0	5·0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday 17th May 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light variable or easterly wind; mainly cloudy; perhaps a thundery tendency tomorrow; rather warm.
4. W. Midlands 5. S.W. England 6. South Wales	Light northerly or variable wind; mainly cloudy; rather warm.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light variable wind; dull or cloudy; slight rain or drizzle locally; local mist or fog; rather warm.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light easterly or variable wind; cloudy; perhaps occasional slight rain or drizzle locally; moderate temperature.
13. {A. W Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light southeast or east wind; mainly fair; moderate temperature.
17. N.W. Ireland	Light or moderate south or southwest wind; cloudy, local drizzle; rather warm.
18. N.E. Ireland 19. S.E. Ireland	As 11 - 12
20. S.W. Ireland	As 17.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet ▲ Hail ≡ Fog ≡ Mist. ϒ Thunder. ⚡ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is low on the Atlantic and relatively high but irregular over the British Isles and North Sea. There is a shallow depression off Brittany. Conditions will be quiet and mainly cloudy. Drizzle or slight rain will occur locally today, chiefly in Ireland, Southern Scotland and Northern England. A thundery tendency is likely in the South after today.

FURTHER OUTLOOK.

Quiet; a thundery tendency in the South.

Forecasts issued at 1000 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
WEDNESDAY
17th MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1:4×10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 17th May 1933.

No. 26.109.

OBSERVATIONS at 1 hr. G.M.T. 17th May

Districts.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1019.9	-2	SSW	2	C	49	85	7	-	7	6	0	10	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1020.7	-6	E	2	3o	50	95	6	5	-	-	10	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1021.2	-0	SE'E	2 3	01c 3o	48 58	95	87	56	-	-	10	10	4000 1500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1019.2	-4	SE	1	0	51	95	7	5	-	-	10	10	1500
	Plymouth	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1019.6	0	-	0	bc	51	95	7	7	-	8	2-3	4-6	4000
	Scilly (St. Mary's)	163	1020.2	+2	NNW	1	bc	50	95	7	2	-	-	2-3	2-3	4000
	Guernsey	175	1020.0	-2	-	0	b	53	85	7	-	-	-	0	0	-
6	Pembroke	142	1019.4	0	-	0	c	51	95	7	5	-	-	10	10	2500
7	Holyhead	26	1018.7	-2	SSW	3	c3o	51	95	6	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1020.4	0	S'E	4	c	49	95	7	-	2	-	0	10	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1020.0	0	S	2	o/r	47	95	6	6	-	-	10	10	1500
11	Inchkeith	190	1020.9	+2	E	2	o	47	95	7	5	-	-	10	10	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	48	*	*	*	*	*	*	*	*
13B	Stornoway	34	1018.1	+2	ESE	1	c	48	85	8	8	7	-	4-6	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021.9	+2	ESE	3	bc	45	95	8	8	7	-	4-6	4-6	2500
16	Lerwick	54	1022.5	+4	N	1	bc	41	85	8	4	-	-	2-3	2-3	1500
17	Blacksod Point	18	1017.7	-2	S	3	c	52	95	7	5	-	-	10	10	450
18	Malin Head	52	1018.5	+4	E	1	c	50	95	7	5	2	-	9	10	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.5	0	SSW	1	c	53	95	7	8	-	-	9+	9+	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 17th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1019.9	+4	-	0	0	54	75	5	5	-	-	10	10	4000	0	*
1019.8	+2	S'W	1	C	53	65	6	5	7	-	7-8	9+	5700	-	*
1019.9	+4	-	0	C	53	75	6	5	1	-	9+	10	5700	0	*
1019.9	+4	-	0	C	50	85	7	-	7	-	0	10	-	1	*
1019.9	+8	-	0	C	51	95	6	5	3	-	2-3	10	7200	0	*
1019.5	+6	-	0	C	52	85	6	5	7	-	2-3	10	1500	0	1
*	*	E	1	C	*	*		5	-	*	9	9	1500	*	0
1020.0	-2	ENE	1	c3o	52	85	6	5	1	-	4-6	10	7200	0	*
1020.0	+4	-	0	C	54	85	6	5	2	-	4-6	10	4000	1	*
1020.7	+2	ESE	3	C	52	95	7	5	1	-	7-8	10	2500 7200	1	1
1020.4	+6	ESE	4	O	48	95	7	5	-	-	10	10	1500	0	
1020.8	+4	ESE	1	C	49	95	6	5	-	-	9+	9+	2500	1	*
1020.4	+6	NE	2	f	52	95	3	-	7	-	0	9	-	1	*
1020.3	+8	E	1	o3o	52	85	6	5	-	-	10	10	4000	1	*
1019.7	+6	NNW	1	f	53	85	3	5	-	-	10	10	4000	0	*
1020.0	+4	SE	1	C	54	95	7	5	4	-	7-8	9	1500	0	2
1019.7	+8	-	0	c3o	52	95	6	-	3	9	0	9+	-	0	0
1020.4	+6	N	1	bc	52	95	7	7	4	-	4-6	4-6	4000	0	2
1020.7	+10	NW'N	2	C	51	95	7	5	7	-	4-6	7-8	4000	0	1
1019.8	+6	-	0	bc	58	65	6	-	3	-	0	4-6	-	0	1
1021.2	+4	W	1	O	53	95	6	5	6	-	10	10	2500	0	1
1019.9	+12	SW	3	O	53	95	7	5	-	-	10	10	800	1	0
1020.4	+6	-	0	c3o	53	85	5	5	-	-	9+	9+	2500	1	*
1020.4	+2	-	0	f	53	95	3	5	-	-	10	10	1500	1	*
1020.9	0	SSE	1	F	48	95	1	-	-	-	10	10	4150	1	*
1020.5	0	SE'S	3	rain	49	95	6	6	-	-	10	10	1500	1	2
1021.0	+6	N	1	m	47	95	4	5	-	-	10	10	450	1	*
1021.7	+10	SE	2	o/d	47	95	6	6	-	-	10	10	1500	1	
1021.7	+12	E	2	C	47	95	6	5	2	-	7-8	10	1500	1	2
1021.9	+10	E	3	C	47	95	7	6	2	-	9+	10	800	1	*
1021.2	+8	NE	3	o3o	48	95	5	5	-	-	10	10	800	1	*
1021.2	+8	NE	2	O	47	95	6	5	-	-	10	10	450	1	*
1020.1	+6	ESE	3	C	51	75	7	5	3	-	2-3	9+	4000	0	1
1019.6	+6	ESE	2	bc	49	85	8	8	6	-	2-3	4-6	2500	1	0
1022.2	+8	SE	2	C	44	85	7	4	2	-	7-8	10	800	0	*
1022.8	+8	SE	3	C	47	85	7	8	3	-	4-6	7-8	4000	1	1
1022.5	+8	SE	3	bc	48	85	8	7	-	-	2-3	2-3	2500	0	2
1022.6	+2	-	0	bc	47	75	9	2	5	-	2-3	4-6	1500	0	*
1019.4	+10	-	0	O	53	95	6	5	-	-	10	10	4150	0	0
1019.4	+2	E'N	1	C	50	95	6	8	-	-	9+	9+	450	1	0
1020.1	+8	E	2	C	51	95	6	5	-	-	9+	9+	4000	1	*
1020.2	+10	ESE	1	f	48	95	3	5	-	-	10	10	800	0	0
1020.0	+12	-	0	fr o	54	95	7	6	-	-	10	10	2500	1	*
1020.1	+8	SSW	2	O	55	95	8	5	-	-	10	10	450	1	2
1020.2	+8	W	3	C	54	95	7	5	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 16.1 Hrs. (36)
67	50	46	Tr	-	2.2
65	49	47	-	-	2.8
67	46	39	-	-	6.3
66	43	39	-	-	5.8
65	47	42	-	-	6.3
64	47	44	-	-	*
57	48	*	Tr	Tr	4.0
57	48	46	-		
62	50	49	0.3	Tr	0.7
54	47	45	1	1	0.0
52	48	46	1	0.3	0.0
55	46	45	2	-	0.0
59	49	45	0.2	-	0.2
63	48	42	0.4	0.2	1.5
64	52	49	Tr	-	
60	50	*	-	-	
61	48	38	-	-	*
59	49	*	-	-	12.2
61	50	*	-	-	11.2
65	51	46	-	-	
57	50	*	-	-	3.9
53	51	48	1	Tr	0.5
55	49	45	1	-	0.0
53	50	48	2	-	0.0
49	46	45	2	0.3	0.0
52	46	*	4		0.0
49	45	45	5	3	
49	46	46	3	0.6	*
51	46	45	1	0.2	0.0
49	46	45	1	0.1	0.0
51	47	46	5	0.1	0.0
48	45	44	6	0.1	
53	45	40	1	-	2.5
53	46	46	-	-	0.1
53	42	*	-	-	0.0
49	40	40	1	-	4.2
49	45	43	-	-	
49	44	*	-	-	8.7
48	40	*	-	-	
57	52	*	0.1	Tr	0.4
54	48	*	4	-	0.8
60	48	47	7	-	*
57	47	*	9		
62	53	51	0.3	0.2	0.1
59	53	51	0.1	0.3	0.0
55	52	*	Tr	0.1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs, ended 9h.)	Weather. Afternoon. (24 hrs, ended 9h.)	Weather. Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	ccy	cycp o	cym o	67	50	46	Tr	-	2.2	*	*	6
Croydon	217	cm o	cy	cyw3	65	49	47	-	-	2.8	*	*	6
Greenwich (Royal Observatory)	149	c ⊕	cpy	cm o	70	49	45	Tr	-	1.2	42	64	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.8	*	*	*
Westminster (St. James' Park)	27	*	*	*	67	51	48	-	-	1.7	44	60	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	68	51	47	-	-	1.6	43	64	5
Camden Square	110	c	c	*	69	52	49	-		*	*	71	*
Kensington	80	bc	cow	*	68	51	41	-	-	1.5	At 18h. 64		*
Hampstead Observatory	450	c	pcp	c	65	50	44	Tr	-	1.6	* 53	91	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 17th

South Kensington. Max.	Time.	Min.	Time.
0.6	8h→22h 16th	Nil.	12-17h. 16th; 0-5h. 17th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	7h 17th	0.1	14h 16th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 16th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 17th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1020.3	E	2	bc	63	1019.5	-	0	c3	54
Brussels	1022.2	WSW	2	c	54	1021.0	ENE	3	c°	48
Berlin	1016.9	NNW	1	pr o	50	1018.0	W'N	2	c3	46
Zürich	1020.6	NNW	3	c	59	1020.6	SSW	2	orr	48
Rome	1018.5	NE'N	1	?	66	1021.4	N	1	b	59

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	50	-	-
55	46	-	Tr
54	45	1	3
64	48	-	6
73	43	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ "
6 Moderate "	6¼ "
7 Good "	12¼ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 18th MAY 1933.

No. 26110

OBSERVATIONS at 13h. G.M.T. 17th May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1019·8	-4	NE	3	c	66	45	6	5	-	-	9+	9+	4000
	Croydon	1019·8	-2	NE	2	2_0	63	56	5	5	7	-	7-8	9+	5700
	S. Farnborough	1019·8	-2	W'N	2	c	68	55	7	1	3	-	2-3	9+	5700
	Winchester	1019·9	-2	N	1	c	65	55	7	-	7	-	0	9+	-
	Boscombe Down	1019·8	-2	NNE	1	c	65	65	6	5	7	-	4-6	10	4000
	Calshot, S'thmtn	1020·3	+2	S'E	2	c	63	55	7	-	3	-	0	9+	-
	Dungeness	*	*	SSE	2	fg	*	*	6	5	-	*	7-8	7-8	1500
	Lympne	1020·5	+2	SE'E	2	c	59	75	6	7	-	-	9	9	4000
2	Shoeburyness	1021·1	+4	E'N	2	bc	58	85	6	-	3	-	0	2-3	-
	Felixstowe	1021·8	+8	ENE	3	c	55	85	8	2	3	-	2-3	7-8	4000
	Gorleston	1020·2	+4	E	3	c	50	95	6	4	-	-	10	10	1500
	Cranwell	1021·4	+4	-	0	o/d	57	75	6	5	-	-	10	10	1500
3	Birmingham	1020·5	0	ENE	2	c	60	65	8	8	-	-	9	9	2500
	Upper Heyford	1020·3	+2	E	2	2_0	63	65	6	2	7	-	7-8	9	1500
4	Ross-on-Wye	1019·9	0	N	2	2_0	64	55	6	1	7	-	Tr	10	4000
5	Portland Bill	1020·4	+6	NW	1	c	55	95	7	5	-	-	10	10	1500
	Plymouth	1020·3	+2	SW	3	c	57	85	7	7	-	6	4-6	9	7200
	The Lizard	1020·9	+4	W'N	1	c	60	75	7	7	3	1	4-6	7-8	4000
	Scilly (St. Mary's)	1021·7	+2	N	2	bc	58	85	8	2	4	9	1	4-6	4000
	Guernsey	1020·5	+4	-	0	o	62	55	7	5	-	-	10	10	4000
6	Pembroke	1021·2	+2	WSW	1	if	54	95	5	5	7	-	7-8	9+	<150
7	Holyhead	1020·9	+4	N	1	c	55	95	8	5	1	-	4-6	10	800
	Chester (Sealand)	1020·6	0	NNW	2	2_0	63	75	5	1	3	8	4-6	4-6	4000
8	L'pool (Bidston)	1020·9	0	NNW	1	b	61	65	7	1	-	8	Tr	1	4000
9	Harrogate	1022·3	+6	NE	2	c	50	95	5	6	2	-	9	10	2500
10	Spurn Head	1022·4	+6	SE'S	4	c	51	95	7	-	2	-	0	10	-
	Catterick	1022·6	+8	NNW	2	o	50	95	5	5	-	-	10	10	800
	Tynemouth	1023·0	+4	SE	2	o	49	95	7	5	-	-	10	10	1500
11	Inchkeith	1022·9	+4	NNE	3	c	50	95	7	5	-	-	10	10	1500
	Leuchars	1023·3	+6	E	3	c	50	85	7	5	2	-	9	10	1500
12	Renfrew (Abbotts I)	1021·6	0	NE	2	2_0	56	75	5	5	-	-	9+	9+	5700
	Eskdalemuir	1022·0	+4	E	2	c	54	75	6	5	2	-	9	10	1500
13A	Tiree	1020·9	+2	SE'S	3	c	58	75	6	5	3	9	1	9	4000
13B	Stornoway	1019·7	0	ESE	1	bc	54	65	7	8	4	1	2-3	4-6	1500
15	Dalwhinnie	1022·1	+2	SE	3	c	50	75	7	3	2	-	4-6	10	800
	Aberdeen	1023·9	+2	ESE	3	bc	51	75	6	2	3	-	4-6	4-6	2500
	Wick	1023·2	+4	E	3	bc	49	85	8	7	4	8	2-3	4-6	2500
16	Lerwick	1023·4	+2	-	0	c	49	75	9	8	-	-	7-8	7-8	1500
17	Blacksod Point	1018·9	-4	S	3	c	58	85	9	5	-	-	9	9	800
18	Malin Head	1020·1	+4	E	1	r_0	53	95	7	8	1	-	9	10	800
	Aldergrove	1021·9	+2	E'S	2	r_0	56	85	6	5	-	-	10	10	800
	Donaghadee	1021·5	+4	ESE	1	c	52	85	7	5	-	-	9	9	1500
19	Birr Castle	1020·0	-2	N	1	c	62	85	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	1020·7	+2	S'E	3	c	62	75	9	5	-	1	7-8	7-8	1500
	Roches Point	1020·2	+2	SW	3	bc	58	85	8	5	-	9	1-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 17th MAY

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
London (Kew)	1021·4	+2	E'N	4	c	60	65	5	5	-	-	7+	7-8	4000	0	*
Croydon	1021·3	+1	ESE	3	2_0	58	75	6	5	-	-	10	10	4000	0	*
S. Farnborough	1020·6	+6	ENE	2	c	62	75	6	-	4	2	0	7-8	-	0	*
Winchester	1020·4	+2	N'E	1	c	63	65	7	8	7	-	7-8	9	4000	1	*
Boscombe Down	1020·4	+2	N'E	1	c	63	65	6	5	4	6	4-6	9+	4000	0	*
Calshot, S'thmtn	1020·4	-4	SW'S	3	c	60	65	7	-	-	7	0	9+	-	0	1
Dungeness	*	*	ENE	3	c	*	*	6	8	9	*	4-6	9	800	*	3
Lympne	1022·1	+12	NE	3	c	53	75	7	7	3	1	2-3	7-8	5700	0	*
Shoeburyness	1022·4	+10	E'N	3	c	52	95	7	4	-	-	9	9	4000	0	*
Felixstowe	1023·1	+8	NE	3	c	50	85	7	9	7	-	7-8	10	4000	0	1
Gorleston	1023·3	+6	E'N	3	c	49	85	6	4	-	-	10	10	2500	0	3
Cranwell	1023·5	+10	~~NE~~ ESE	2	c	53	85	6	5	-	-	10	10	1500	0	*
Birmingham	1021·2	+4	ENE	3	r_0	61	65	5	6	-	-	10	10	1500	1	*
Upper Heyford	1021·3	+6	E	1	2_0	61	75	6	5	2	8	2-3	7-8	5700	1	*
Ross-on-Wye	1020·2	0	-	0	2_0	63	75	6	-	9	1	0	7-8	-	0	*
Portland Bill	1020·6	+4	N	1	bc	57	95	7	4	4	2	2-3	4-6	2500	0	2
Plymouth	1021·0	+4	-	0	c	57	85	8	4	-	1	7-8	7-8	4000	0	0
The Lizard	1021·2	+2	-	0	bc	60	75	7	7	-	1	4-6	4-6	5700	0	1
Scilly (St. Mary's)	1022·5	+2	N'W	1	bc	55	95	8	1	8	-	2-3	4-6	4000	0	1
Guernsey	1020·7	+4	-	0	bc	59	65	7	-	3	1	0	4-6	-	0	1
Pembroke	1021·2	0	NW	1	if	52	95	4	5	-	-	2-3	2-3	4000	0	1
Holyhead	1021·7	0	NE	1	c	55	95	6	5	3	-	4-6	9+	7200	1	0
Chester (Sealand)	1021·6	+8	WNW	3	r_0	57	85	6	5	3	-	4-6	4-6	4000	0	*
L'pool (Bidston)	1022·1	+6	N	1	bc	57	75	6	1	-	6	Tr	4-6	4000	0	*
Harrogate	1023·3	0	SE	2	c	49	95	5	6	2	-	9	10	2500	1	*
Spurn Head	1023·1	+4	ESE	4	c	49	95	7	5	2	-	4-6	9+	1500	0	3
Catterick	1023·4	+4	SE'E	1	id.	50	95	5	5	-	-	10	10	800	1	1*
Tynemouth	1023·8	+6	SE	2	o	48	95	6	5	-	-	10	10	1500	1	1*
Inchkeith	1023·0	0	E	3	c	49	95	8	5	-	-	10	10	2500	0	3
Leuchars	1023·4	+2	E	3	c	49	85	7	5	2	-	7-8	10	1500	1	*
Renfrew (Abbotts I)	1022·0	+6	ENE	3	2_0	54	75	5	5	-	-	10	10	4000	1	*
Eskdalemuir	1022·3	+2	E	2	c	53	75	6	5	-	-	9	9	1500	1	*
Tiree	1021·2	0	SE'S	2	2_0	55	85	6	5	7	-	2-3	10	4000	0	2
Stornoway	1019·9	+6	ENE	1	c	53	75	8	5	7	-	4-6	9	2500	0	0
Dalwhinnie	1021·2	+2	SE	2	c	51	75	7	4	2	-	7-8	10	800	0	*
Aberdeen	1024·0	-2	SSE	3	bc	49	75	6	5	-	1	1	2-3	1500	0	1
Wick	1023·3	0	E	4	bc	48	95	8	7	1	4	2-3	4-6	4000	0	2
Lerwick	1024·4	+2	-	0	c	47	75	9	9	6	-	7-8	9	1500	0	*
Blacksod Point	1019·7	+4	S	3	c	55	85	9	-	4	-	0	9	-	0	1
Malin Head	1020·2	0	E	1	c	57	85	7	8	1	-	9	10	1500	1	0
Aldergrove	1021·5	+2	SE'E	1	r_0	57	85	6	5	2	-	7-8	10	800	1	*
Donaghadee	1022·8	0	ESE	1	c	51	95	7	5	-	-	7-8	7-8	1500	0	0
Birr Castle	1020·0	+2	N	1	c	63	75	8	8	-	-	9+	9+	2500	1	*
Valentia Obsy.	1021·3	+2	S	4	bc	60	75	8	8	-	2	2-3	4-6	1500	1	2
Roches Point	1020·7	+4	SW	3	bc	59	85	8	5	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Stations.	WEATHER. 7h.–13h. 17th (37)	13h.–18h. 17th (38)	18h. 17th to 1h. 18th (39)	1h.–7h. 18th (40)
London (Kew)	cmy	cz_0	~~bbbm~~ o	cmo
Croydon	cz_0y	cyz_0	cz_0 bcm$_0$	bcmocir$_0$
S. Farnborough	cz_0cy	cy	cz_0	cmo
Winchester	c	cyc	c	cmo
Boscombe Down	cz_0	cz_0	emo	cmo
Calshot, S'thmtn	cm$_0$	cy		cmo
Dungeness	f	bc	*	c
Lympne	cpr$_0$c	cbbc	cbcm$_0$	b,cm$_0$
Shoeburyness	cm$_0$	bc	cbcw	cbccw
Felixstowe	cbc	bcc	c	c
Gorleston	oqirc	c	cbc	bbc
Cranwell	cm$_0$d$_0$	cm$_0$	cmo	cmo
Birmingham	fcbcc	c	orbc	c
Upper Heyford	cz_0	cz_0	$c2_0$bcc	comow
Ross-on-Wye	mcz_0	ccyz_0	cbccm	cmo
Portland Bill	c	cbc	bcb	bb2o
Plymouth	c	c	cb	bwm$_0$
The Lizard	bcc	cbc	cbc	bbcw
Scilly (St. Mary's)	cbc	bc cbc	cbcif	coffc
Guernsey	bcc	ocbc	bcbw	bwb
Pembroke	cm$_0$Fifc	c iF bc	F F 2c	Fe fe o
Holyhead	ocr$_0$c	cif	pr$_0$c	bcmow
Chester (Sealand)	cm$_0$bcz	bcc	cm	cm
L'pool (Bidston)	cbcb	bbc c	como	m$_0$occ
Harrogate	Focd$_0$	c	co	oFFe
Spurn Head	opd	oc	bc	c
Catterick	omom$_0$	om$_0$id$_0$	cmo	omoofr$_0$
Tynemouth	o	o	o	o
Inchkeith	bc	c	co	oir$_0$
Leuchars	cir$_0$c	c	cmo	cr$_0$fom$_0$
Renfrew (Abbotts I)	cm$_0$	cm$_0$	cmocdd	omododo
Eskdalemuir	cz_0	cz_0	o	ocrc
Tiree	c	cz_0	$c2_0$ir	CRR
Stornoway	bc	bcc	cbr$_0$	cir$_0$
Dalwhinnie	o	bc	*	iro
Aberdeen	bcz_0	bcbz_0	bbcz_0	bcco
Wick	bc$_0$	bc	bc	bccm$_0$
Lerwick	bccpr	c	c	c
Blacksod Point	ir$_0$	cbc	c	c
Malin Head	c	cpr$_0$	cpr$_0$	c
Aldergrove	cm$_0$	cr$_0$m$_0$	cdor$_0$c	crcm$_0$
Donaghadee	offc	cpr$_0$c	com$_0$	om$_0$
Birr Castle	od$_0$c	cidc	cbc	bcc
Valentia Obsy.	cid$_0$c	cbc	bcc	c
Roches Point	cbc	bc	bcbw	coifec

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_0, slight rain.
rr, continuous rain.
< , less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

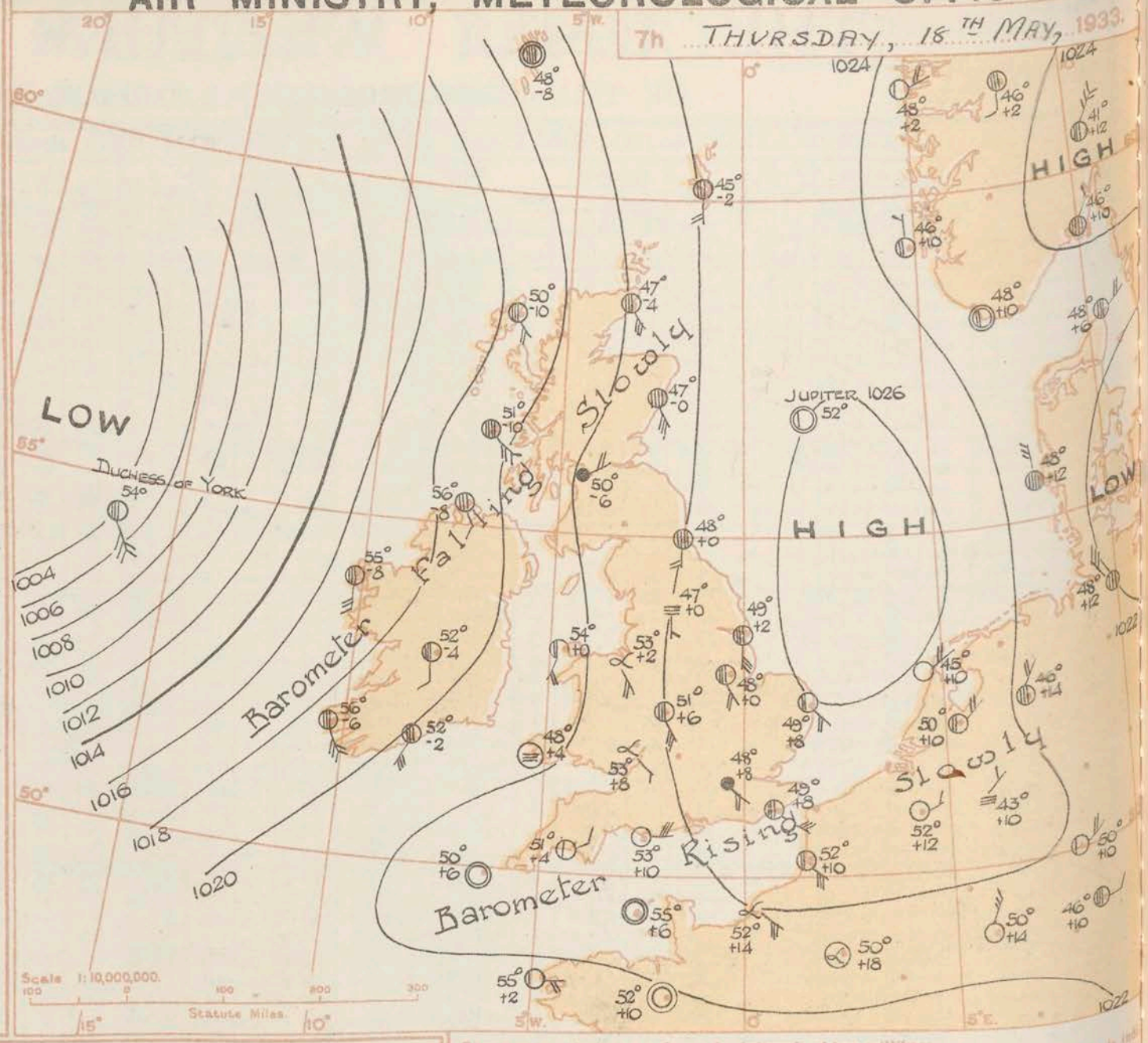
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 17th MAY 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 16th to 9h. 17th.	Temperature. Max. 9h.—17h. 17th.	Rainfall. Night. 17h. 16th to 9h. 17th.	Rainfall. Day. 9h.—17h. 17th.	Sunshine. Sunrise to 17h. 17th.	Sunshine. Sunrise to Sunset. 16th.
1	Tunbridge W.	oc	co	46	66	-	-	1·2	4·2
	Bournemouth	co	o	46	65	-	-	0·7	7·2
	Ventnor ...	ocz	bcz	49	60	-	-	1·7	5·6
	Southsea ...	c	c	48	66	-	-	0·4	7·9
	Bognor Regis	cbcc	cbcco	47	61	-	-	0·3	5·4
	Littlehampton	c	c	47	61	-	-	0·0	4·3
	Worthing ...	c	c	48	63	-	-	0·3	5·5
	Brighton ...	c	cou	48	60	-	-	0·9	4·6
	Eastbourne†	o	ocbco	48	61	-	-	1·6	2·0
	Hastings† ...	cbcb	bbcco	49	62	-	-	3·3	3·2
	Folkestone ...	om,c	r,cbc	49	60	-	Trace	4·9	3·2
	Dover... ...	c	cbc	51	65	Trace	-	4·6	2·2
	Deal	ocbc	bcb	45	59	-	-	5·6	1·0
	Ramsgate ...	cbc	bcb	51	57	0·3	-	6·4	0·3
	Margate ...	cbc,	bc	47	59	0·3	-	5·8	0·1
2	Southend ...	cz bc	b	51	61	0·2	-	5·4	1·1
	Maldon ...	ocb	bbcc	51	59	-	-	3·7	0·0
	Clacton-on-Sea	cbc	bc	50	56	1	-	4·7	0·0
	Dovercourt ...	bcc	bcc	49	57	Trace	-	3·1	0·0
	Lowestoft ...	c roc	c	47	52	1	-	0·0	0·1
	Skegness ...	om,	om,	48	53	Trace	-	0·0	0·0
	Mablethorpe	or,	o	47	52	1	Trace	0·0	0·0
	Cleethorpes...	or,o	o	47	52	1	Trace	0·0	0·0
3	Leamington S.	cbc	c	50	65	-	-	2·5	0·6
4	Cheltenham†	cwoc	cboz,	50	66	-	-	0·6	1·4
5	Bath	cbcc	c	51	68	-	-	0·5	5·0
	Weymouth ...	c	c	48	63	-	-	0·1	7·2
	Jersey ...	bcc	cbc	52	67	-	-	1·7	12·0
	Torquay ...	cw3e	cby	49	62	-	-	3·6	8·6
	Penzance ...	cbc	bc	47	65	-	-	8·4	10·7
	St. Ives ...	c	b	50	58	-	-	7·1	10·3
	Bude	c	bcb	47	58	-	-	4·7	8·2
	Ilfracombe ...	oc	cbcbz	51	58	-	-	3·3	10·2
6	Aberystwyth	c	c	49	58	-	-	0·5	0·3
7	Llandudno ...	c,	cbcc	50	60	-	-	1·8	0·0
	Colwyn Bay...	obcc	cbc	49	59	-	-	2·2	0·0
	Rhyl								
8	Wallasey ...	cbcb	bbc	51	63	Trace	-	6·1	0·0
	Southport‖ ...	ocbc	bcc	51	64	-	-	4·4	0·0
	Blackpool ...	oc	bc	50	63	-	-	4·0	0·0
	Morecambe ...	bcc	bbcc	50	64	1	-	4·8	0·0
9	Ilkley... ...	o	o	46	54	2	-	0·0	0·0
10	Berwick-on-T.	o	oc	45	49	Trace	-	0·1	0·0
11	Dunbar ...	rc	bc	46	51	0·3	-	1·1	0·0
12	Troon... ...	oc	co	47	62	-	-	1·6	0·0
	Douglas ...	omcb	cbom,	47	57	1	-	2·4	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th May, 1933.
1. S.E. England	Light easterly wind; fair; cool on coast, moderate temperature inland.
2. E. England...	Light southeast wind; fair; cool on coast, moderate
3. E. Midlands	temperature inland.
4. W. Midlands	Light southeast or south wind; fair; moderate temperature.
5. S.W. England	Light easterly or variable wind; fair; moderate temperature.
6. South Wales 7. North Wales	As 4.
8. N.W. England	Light southeast or south wind; cloudy; bright intervals;
9. N. Midlands	moderate temperature.
10. N.E. England	Light southeast or south wind; cloudy; rather cool.
11. S.E. Scotland	Light or moderate southeast or south wind; cloudy;
12. S.W. Scotland & Isle of Man	occasional local rain; rather cool.
13. A. W. Scotld. / B. N.W. Scotland.	Light or moderate southeast or south wind, fresh locally on coast; cloudy; occasional drizzle or rain locally; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 11.
17. N.W. Ireland	Moderate or fresh south or southwest wind; cloudy;
18. N.E. Ireland	occasional drizzle locally; rather warm.
19. S.E. Ireland	Moderate south or southwest wind; cloudy; rather warm.
20. S.W. Ireland	As 17.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. * Snow. Sleet. Hail. Fog. Mist. T Thunder. TS Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high in a belt extending from the Azores across England to the North Sea. A secondary disturbance off West Ireland is moving north. Weather will be rather unsettled in Scotland and West Ireland but quiet and mainly fair in England and Wales.

FURTHER OUTLOOK.

Rather unsettled in the Northwest; quiet and mainly fair elsewhere.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0915 G.M.T.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY
18th MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 x 10⁷ along meridian at 55° N

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ - Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

THURSDAY 18th MAY 1933.

No. 26.110

OBSERVATIONS at 1 hr. G.M.T. 18th MAY

DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1023·5	+4	E	2	c	47	95	6	7	-	-	7-8	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1024·0	+4	NE'E	3	b	46	95	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1024·4	+4	E'N	3	b	47	85	7	1	-	-	Tr	Tr	4000
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1022·0	+2	NNE	2	b	54	95	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021·8	0	NNE	3	b	49	95	8	-	-	-	0	Tr	-
	Scilly (St. Mary's)	163	1023·0	0	NE	2	b	49	95	7	5	-	-	7-8	7-8	4000
	Guernsey ...	175	1022·0	+4	-	0	b	50	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1022·0	+2	NW	1	F	48	95	1	5	-	-	10	10	<150
7	Holyhead ...	26	1021·3	-2	-	0	bc	53	95	6	5	-	-	4-6	4-6	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1024·4	+4	SE	3	bc	48	85	7	5	2	-	2-3	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1024·0	0	S	2	o	47	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1023·9	-4	ENE	2	o	48	95	7	5	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts'l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1019·2	-4	-	0	c	50	85	7	5	7	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022·5	-6	SE	3	bc	46	95	8	5	1	-	4-6	4-6	2500
16	Lerwick ...	54	1024·4	0	S'E	2	c	45	65	9	5	-	-	7-8	7-8	1500
17	Blacksod Point	18	1019·0	0	S	3	c	53	85	8	5	-	-	7-8	7-8	800
18	Malin Head ...	52	1019·9	-2	S	1	c	56	95	7	8	1	-	9	10	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020·8	+10	S	1	o	55	95	7	5	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th MAY

DISTRICT.	STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1025·2	+8	E	2	c	51	85	5	5	-	-	9+	9+	9000	0	*
	Croydon ...	1024·8	+8	ESE	2	bc	48	95	6	5	7	-	7-8	9+	7200	0	*
	S. Farnborough	1024·6	+8	ESE	2	c	49	95	6	5	1	-	9+	10	9000	0	*
	Winchester ...	1024·4	+8	E'S	2	c2	50	85	7	5	-	-	7-8	7-8	5700	1	*
	Boscombe Down	1024·1	+10	ESE	2	c	51	85	6	-	3	-	0	9+	-	0	*
	Calshot (S'thmtn)	1024·0	+10	E	3	o	52	85	6	5	-	-	10	10	800	0	2
	Dungeness ...			E	3	c	*	*	7	4	-	*	9+	9+	1500	*	2
	Lympne ...	1025·4	+8	ESE	3	c	49	85	6	1	3	-	Tr	9+	1500	0	*
2	Shoeburyness	1025·1	+6	SSE	3	c	51	85	8	5	-	-	9+	9+	2500	0	*
	Felixstowe ...	1025·5	+4	ENE	1	c	50	85	7	7	3	-	4-6	9	1500	0	1
	Gorleston ...	1026·0	+8	E'S	2	bc	49	75	6	1	6	-	2-3	4-6	4000	0	2
	Cranwell ...	1025·1	0	SE'S	2	bc	48	95	6	5	3	-	2-3	4-6	450	1	*
3	Birmingham ...	1024·0	+6	SSE	3	c	51	85	6	5	7	-	2-3	9+	1500	1	*
	Upper Heyford	1024·6	+6	E'S	2	o	48	93	6	5	-	-	10	10	2500	1	*
4	Ross-on-Wye ...	1023·0	+8	SE	1	c2	53	85	6	5	3	-	2-3	7-8	1500	0	*
5	Portland Bill...	1022·9	+10	E	3	b	53	95	6	-	-	-	0	0	-	0	3
	Plymouth ...	1022·7	+4	ENE	1	b	51	85	7	-	3	1	0	Tr	-	0	0
	The Lizard ...	1022·3	0	NE	2	bc	54	85	8	7	4	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1023·1	+6	-	0	c	50	95	7	5	-	-	9+	9+	1500	0	1
	Guernsey ...	1022·2	+6	-	0	b	55	75	7	-	-	-	0	0	-	0	1
6	Pembroke ...	1021·5	+4	-	0	F	48	95	1	5	-	-	10	10	<150	1	1
7	Holyhead ...	1021·4	0	SSW	2	bc	54	95	6	5	3	1	Tr	2-3	800	0	0
	Chester (Sealand)	1022·9	+2	SE'S	2	o2	53	85	5	5	-	-	10	10	800	0	*
8	L'pool (Bidston)	1023·0	0	SE'S	4	c	52	95	6	5	3	-	4-6	9	1500	0	*
9	Harrogate ...	1024·3	0	S	1	F	47	95	1	-	-	-	-	10	<150	1	*
10	Spurn Head ...	1024·9	+2	S	3	c	49	85	7	5	2	-	4-6	9	2500	0	3
	Catterick ...	1024·4	0	SE'S	3	rf	46	95	3	-	-	-	-	10	<150	1	*
	Tynemouth ...	1023·9	0	S	2	o	48	85	6	6	-	-	10	10	1500	1	2
11	Inchkeith ...	1023·6	0	NE	2	b	47	95	6	6	-	-	10	10	~~2500~~ 1000	1	2
	Leuchars ...	1022·4	-2	~~SSW~~ N	4?	rf	48	95	6	5	2	-	9+	10	450	1	*
12	Renfrew (Abbotts'l)	1022·3	-6	NE'E	2	do	~~48~~ 52	95	5	5	-	-	10	10	2500	1	*
	Eskdalemuir ...	1023·0	0	-	0	o	48	95	6	5	-	-	10	10	1500	1	*
13A	Tiree	1019·5	-10	SE'E	4	o	51	95	6	5	-	-	10	10	2500	1	3
13B	Stornoway ...	1017·9	-10	SE	2	c	50	95	7	5	2	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1022·7	-2	S	3	c	47	85	6	3	2	-	7-8	10	800	1	*
	Aberdeen ...	1023·0	0	SSE	3	o	47	95	6	5	-	-	10	10	1500	0	1
	Wick	1021·6	-4	SSE	3	c	47	95	6	5	7	-	7-8	10	1500	0	2
16	Lerwick ...	1024·0	-2	S	2	c	45	85	9	5	2	-	4-6	9+	1500	0	*
17	Blacksod Point	1017·1	-8	S	3	c	55	95	9	5	4	-	4-6	9	800	0	2
18	Malin Head ...	1018·7	-8	S'E	1	c	51	95	7	8	7	-	7-8	9+	1500	1	0
	Aldergrove ...	1020·7	-4	E	1	o	53	95	6	5	-	-	10	10	4000	1	*
	Donaghadee ...	1021·2	+2	SSE	1	o	50	95	6	5	-	-	10	10	800	0	0
19	Birr Castle ...	1019·7	-4	S	1	c	52	95	8	5	-	8	4-6	9+	2500	1	*
20	Valentia Obsy.†	1019·2	-6	S'E	5	c	51	95	8	5	-	-	9+	9+	800	1	3
	Roches Point...	1021·1	-2	SW	3	c	52	95	7	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

DISTRICT.	STATIONS.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)...	67	49	47	-	-	+8
	Croydon ...	65	48	42	-	Tr	0·9
	S. Farnborough	69	48	45	-	-	0·5
	Winchester ...	68	49	44	-	-	0·4
	Boscombe Down	67	48	44	-	-	0·4
	Calshot (S'thmtn)	65	50	49	-	-	0·1
	Dungeness ...	62	48	*	-	-	*
	Lympne ...	61	43	41	Tr	-	5·6
2	Shoeburyness	59	44	36	-	-	5·6
	Felixstowe ...	56	46	44	-	-	2·4
	Gorleston ...	50	47	44	Tr	-	0·0
	Cranwell ...	61	46	*	Tr	-	0·1
3	Birmingham ...	63	48	48	Tr	Tr	0·9
	Upper Heyford	65	47	47	-	-	*
4	Ross-on-Wye ...	65	52	45	-	-	0·6
5	Portland Bill...	57	51	*	-	-	*
	Plymouth ...	62	46	38	-	-	4·2
	The Lizard ...	63	47	*	-	-	*
	Scilly (St. Mary's)	59	48	*	-	-	11·8
	Guernsey ...	65	47	40	-	-	4·8
6	Pembroke ...	59	44	*	-	0·2	2·6
7	Holyhead ...	57	50	43	Tr	Tr	0·0
	Chester (Sealand)	65	51	47	Tr	-	4·0
8	L'pool (Bidston)	61	51	50	-	-	5·8
9	Harrogate ...	58	46	46	Tr	-	0·0
10	Spurn Head ...	51	46	*	0·2	Tr	0·0
	Catterick ...	51	46	46	Tr	-	*
	Tynemouth ...	50	46	45	-	-	0·0
11	Inchkeith ...	51	46	46	-	0·4	0·0
	Leuchars ...	52	46	46	Tr	0·2	0·6
12	Renfrew (Abbotts'l)	57	48	48	-	0·3	0·3
	Eskdalemuir ...	55	46	46	-	1	0·4
13A	Tiree	58	50	48	-	0·5	2·8
13B	Stornoway ...	56	49	*	-	0·2	3·6
15	Dalwhinnie ...	55	44	41	-	-	9·7
	Aberdeen ...	51	45	42	-	-	*
	Wick	49	45	*	-	-	2·4
16	Lerwick ...	50	43	*	-	-	*
17	Blacksod Point	58	53	*	Tr	-	0·0
18	Malin Head ...	59	54	*	Tr	Tr	0·0
	Aldergrove ...	58	52	50	Tr	0·5	*
	Donaghadee ...	55	50	*	0·3	-	*
19	Birr Castle ...	64	47	37	Tr	-	1·4
20	Valentia Obsy.†	63	54	49	Tr	Tr	4·1
	Roches Point...	60	47	*	-		*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW	18	Cmoy	c2o	bccmo	57	49	47	-	-	1·8	*	*	6
CROYDON	217	c2oy	cy2o	c2o bcmo	55	45	42	-	Tr	0·9	*	*	6
GREENWICH (Royal Observatory) ...	149	c2oy	c	cbcw	56	46	39	-	Tr	0·3	71	73	7
CITY (Bunhill Row)	—				*	*	*	*	*	0·3	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	56	49	45	-	-	0·1	65	71	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	59	49	45	-	-	0·1	70	72	
CAMDEN SQUARE	110			*	57	48	44	-	-	*	*	76	*
KENSINGTON	80	c	c	*	56	49	43	-	-	0·0	At 18h. cc		*
HAMPSTEAD OBSERVATORY	450	co	co	*	55	45	39	-	-	0·8	*	75	*
		bcm	c	*									

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 17th MAY Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 18th MAY Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1018·9	-	0	c	60	1023·3	-	0	bc2	50
BRUSSELS	1021·1	ENE	2	c	52	1024·7	ENE	1	b2	52
BERLIN	1018·3	W	1	c/r	48	1020·6	NNW	1	c	48
ZÜRICH	1018·8	SSW	1	c	52	1020·8	NNW	1	c	48
ROME	1018·7	SW	2	c	61	1019·1	SSE	2	o	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
70	46	-	-
55	41	Tr	-
54	45	2	0·4
55	46	5	2
72	54	-	1

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 18th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
1·1	17th 11h	<0·3	17th 22h – 18th 6h

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·3	17th 8h	0·1	18th 1h

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

‡1 hr. observations are from Valentia W/T station † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
FRIDAY, MAY 19th 1933.
No. 26.111

Distrct.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. May 18th. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1024·3	+6	SSW	2	c	61	65	7	5	1	-	9+	10	4000
	Croydon	1024·0	-6	SW	2	c	61	68	7	1	7	-	7-8	10	4000
	S. Farnborough	1024·2	-6	SE'S	3	c	59	65	7	7	1	-	Tr	7-8	4000
	Winchester	1023·9	-6	SSE	3	bc	61	65	7	1	-	-	4-6	4-6	4000
	Boscombe Down	1023·5	-6	S	3	bc	62	75	6	1	-	4	2-3	4-6	4000
	Calshot, S'thmtn	1024·3	-2	E'S	4	b	58	85	6	-	-	-	0	0	-
	Dungeness	*	*	ENE	2	bc	*	*	7	1	7	*	1	2-3	1500
	Lympne	1024·8	-8	SE	2	b	57	65	7	1	3	-	Tr	1	4000
2	Shoeburyness	1025·1	-2	ESE	4	bc	57	75	8	1	-	9	Tr	2-3	4000
	Felixstowe	1025·7	0	SE	2	bc	55	75	9	1	3	9	2-3	4-6	1500
	Gorleston	1025·6	-2	SE	4	bc	53	85	7	1	3	-	2-3	4-6	4000
	Cranwell	1023·7	-10	SSE	2	c	62	65	7	1	7	-	2-3	9+	2500
3	Birmingham	1023·0	-4	S	3	bc	62	65	6	-	3	-	0	2-3	-
	Upper Heyford	1023·6	-14	ESE	3	2_o	60	75	6	-	-	1	0	2-3	-
4	Ross-on-Wye	1022·0	-8	S	3	2_o	64	65	6	1	-	7	1	9+	4000
5	Portland Bill	1023·8	+4	E	3	c	55	95	6	5	2	-	7-8	10	1600
	Plymouth	1022·3	-2	S'E	3	c	61	66	7	1	-	6	Tr	9+	4000
	The Lizard	1022·4	0	E'S	2	c	59	85	7	5	-	-	9+	9+	2500
	Scilly (St. Mary's)	1022·4	0	SE'E	2	c	56	85	7	5	1	-	7-8	9+	1500
	Guernsey	1022·5	-4	-	0	2_o	63	75	5	-	1	8	0	7-8	-
6	Pembroke	1021·4	-8	SSE	2	c	50	95	6	5	-	-	10	10	800
7	Holyhead	1020·9	-6	SSW	3	c	57	86	8	5	3	-	Tr	9+	800
	Chester (Sealand)	1021·9	-6	SE	3	cz_o	61	75	5	5	-	-	9+	9+	7200
8	L'pool (Bidston)	1021·8	0	SSE	3	0	61	75	6	5	-	-	10	10	1500
9	Harrogate	1022·6	-6	SE	3	c	58	75	5	5	1	-	7-8	9+	2500
10	Spurn Head	1024·2	-2	SE	4	bc	53	85	7	-	7	8	0	4-6	-
	Catterick	1022·9	-10	SE'S	3	0	55	85	6	5	-	-	10	10	1500
	Tynemouth	1022·6	-8	SE	2	0	49	95	6	6	-	-	10	10	1500
11	Inchkeith	1021·6	-8	NE	3	0	50	95	6	5	-	-	10	10	800
12	Leuchars	1021·2	-10	E	3	c	63	85	6	5	1	-	7-8	10	2500
	Renfrew (Abbotts L)	1020·0	-8	ENE	2	0f	56	85	3	5	-	-	10	10	1500
	Eskdalemuir	1021·1	-8	SSE	2	c	57	75	6	5	2	-	7-8	10	1500
13A	Tiree	1018·1	-8	SE	4	2_o	53	95	5	5	-	-	10	10	2500
13B	Stornoway	1016·4	-10	S	2	c	53	95	7	5	2	-	7-8	10	1500
15	Dalwhinnie	1020·6	-8	S	2	c	51	85	6	3	2	-	4-6	10	800
	Aberdeen	1021·7	-6	SSE	4	id.	50	85	6	6	2	-	7-8	10	1500
	Wick	1020·6	-6	SE	3	c	50	95	6	5	1	-	7-8	10	1500
16	Lerwick	1022·6	-16	S	3	c	47	75	8	5	2	-	7-8	9+	1500
17	Blacksod Point	1015·6	-12	S	6	9	58	75	9	8	-	-	9	9	800
18	Malin Head	1017·1	-4	S'W	3	cl	59	85	7	8	1	-	7-8	10	1500
	Aldergrove	1018·8	-8	S'W	4	c	61	76	8	8	7	-	7-8	9+	2500
	Donaghadee	1019·7	-8	S	1	c	53	95	7	8	3	-	4-6	7-8	1500
19	Birr Castle	1019·5	-2	SSW	3	c/r	58	75	8	6	1	-	9	10	2500
20	Valentia Obsy.	1018·8	-4	S'E	2	c	58	85	8	5	-	-	9+	9+	1600
	Roches Point	1020·4	+4	SW	3	c	56	85	8	5	-	-	7-8	7-8	2500

Distrct.	Stations.	OBSERVATIONS at 18h. G.M.T. May 18th. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1023·3	-8	S	2	c	62	65	6	-	7	-	0	9+	-	0	*
	Croydon	1023·2	-2	SSW	2	c	60	65	7	-	7	-	0	9	-	0	*
	S. Farnborough	1023·1	-2	SSE	2	c	60	65	7	5	1	8	2-3	9	7200	0	*
	Winchester	1023·1	-4	S'E	2	bc	58	65	7	-	3	-	0	4-6	-	0	*
	Boscombe Down	1022·8	-2	SE	3	bc	57	75	7	-	9	8	0	4-6	-	0	*
	Calshot, S'thmtn	1023·3	-6	E'S	3	bc	56	75	6	-	4	8	0	4-6	-	0	2
	Dungeness	*	*	ENE	4	bc	*	*	7	5	7	*	2-3	4-6	1500	*	3
	Lympne	1024·3	-4	E	3	c	53	65	7	-	3	7	0	9+	-	0	*
2	Shoeburyness	1024·0	-6	ESE	4	bc	52	75	8	-	-	c	0	4-6	-	0	*
	Felixstowe	1024·5	-8	E_1	3	c	52	85	8	-	-	7	0	9	-	0	1
	Gorleston	1024·3	-12	SES	4	c	51	85	7	-	3	-	0	7-8	-	0	2
	Cranwell	1022·3	-6	S'W	1	c	62	65	6	5	-	8	9	10	2500	0	*
3	Birmingham	1021·6	-6	SSE	2	bc	64	65	7	-	7	-	0	9+	-	1	*
	Upper Heyford	1022·6	-8	S	2	2_o	61	75	6	5	7	9	2-3	9	4000	1	*
4	Ross-on-Wye	1021·9	0	SW'W	3	2_o	66	65	6	3	-	9	1-3	4-6	4000	0	*
5	Portland Bill	1023·0	-8	ESE	3	c	53	95	6	5	2	-	7-8	10	1500	0	3
	Plymouth	1021·4	-9	SEE	2	b	60	75	6	-	-	1	0	1	-	0	1
	The Lizard	1022·2	0	NNE	1	bc	60	75	8	7	4	-	4-6	4-6	4000	0	1
	Scilly (St. Mary's)	1022·6	0	W'S	2	bc	56	85	7	2	3	3	2-3	4-6	4000	0	1
	Guernsey	1021·7	-4	E'S	1	bc	62 53	65	7	-	1	8	0	4-6	-	0	1
6	Pembroke	1022·0	-6	WSW	1	c	53	85	7	7	8	4	2-3	7-8	2500	0	1
7	Holyhead	1020·1	-12	S'E	2	c	52	95	8	5	3	-	7-8	9+	2500	0	1
	Chester (Sealand)	1020·8	-2	WNW	4	2_o	58	85	6	5	2	-	7-8	10	2500	0	*
8	L'pool (Bidston)	1021·3	0	NW'N	3	c	57	85	6	5	-	-	10	10	1500	0	*
9	Harrogate	1021·4	-6	SE	1	c	58	85	5	5	-	-	9+	9+	1500	1	*
10	Spurn Head	1022·5	-6	SE	5	c	51	95	7	3	2	-	4-6	9+	2500	0	3
	Catterick	1021·1	-4	SE'S	2	0	57	85	6	5	-	-	10	10	1500	1	*
	Tynemouth	1020·8	-16	SE	2	0	50	95	6	6	-	-	10	10	1500	1	2
11	Inchkeith	1019·6	-12	NE	2	c	50	95	6	5	2	-	9	10	1500	0	2
12	Leuchars	1019·4	-8	NE	2	c	51	95	5	5	2	-	9+	10	1500	1	*
	Renfrew (Abbotts L)	1018·1	-14	-	0	c	59	85	5	5	2	-	7-8	10	2500	1	*
	Eskdalemuir	1019·5	-6	SSW	3	c	56	85	6	5	2	-	7-8	10	1500	1	*
13A	Tiree	1016·0	-12	SSE	3	2_o	54	85	6	5	9	-	7-8	9+	2500	0	3
13B	Stornoway	1014·0	-14	-	0	f/r	51	95	3	5	2	-	7-8	10	800	1	0
15	Dalwhinnie	1018·8	-16	SE	4	c	50	95	5	3	2	-	7-8	10	450	1	*
	Aberdeen	1020·3	-8	SSE	3	r_o	47	95	6	6	-	-	10	10	1500	1	1
	Wick	1017·7	-20	SE	3	c	49	95	6	5	1	-	7-8	10	1500	0	2
16	Lerwick	1021·5	-6	S'W	4	c	47	85	8	5	2	-	7-8	10	1500	0	*
17	Blacksod Point	1015·3	-2	W	3	c	54	95	7	5	-	-	9+	9+	220	1	2
18	Malin Head	1015·7	-6	S'W	3	r	60	85	7	8	7	-	7-8	9+	1600	1	0
	Aldergrove	1017·4	-8	6	3	c	61	75	9	8	9	3	7-8	9	2500	0	*
	Donaghadee	1018·0	-4	N'E	2	bc	58	86	8	8	3	-	4-6	4-6	1600	0	1
19	Birr Castle	1017·8	-8	SSW	3	c	61	75	8	8	-	-	9	9	2500	1	*
20	Valentia Obsy.	1018·3	-2	S	4	c/d	55	95	7	5	-	-	10	10	450	1	4
	Roches Point	1020·0	-6	SW	3	c	55	85	8	3	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 18th (37)	13h.–18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.–7h. 19th (40)
London (Kew)	c	c	bm_o	cm_o
Croydon	$cr_o z_o$	cbcc	$cb3_o$	$bm_o c2_o$
S. Farnborough	cz_o	$c\,bc\,c$	cc2_o	cbcw
Winchester	cbc	bc b bc	bcb	$bm_o cm_o$
Boscombe Down	$cbc\,z_o$	$bcc\,z_o\,bc$	bcb	bbcc
Calshot, S'thmtn	$cb\,rm_o$	$b\,bc\,m_o$	bcm_o	bcm_o
Dungeness	bc	bc	*	c
Lympne	$cm_o b$	b · c	$cb\,m_o$	b, cm_o
Shoeburyness	$cbc\,b$	b	bc	$bcb\,m_o bc$
Felixstowe	bc	bv bcc	cbc	bc
Gorleston	bc	bc	c	c
Cranwell	$cm_o c$	cz_o	c	c
Birmingham	bc	bcc	cbcc	cbc
Upper Heyford	$or_o d_o bc$	$bc\,cz_o$		$c2_o$
Ross-on-Wye	$bcm_o bz_o bc_o z$	$bc\,z\,cz$	$bc2_o b$	$bw\,ccm_o$
Portland Bill	cz_o	$c\,z_o$	cb	$bbcc\,z$
Plymouth	$b\,bc\,c$	$cm_o\,bz_o$	$b2_o$	$bbc\,bmw$
The Lizard	bcc	cbc	bcw	bcf bc
Scilly (St. Mary's)	c	cbc	bccbc	bccw
Guernsey	$bc\,bz$	cbc2	bc	bcc
Pembroke	$Fcom_o c$	$cm_o bcc$	$bcm_o cm_o$	$cm_o wc$
Holyhead	$bc\,cm_o$	c	$pr_o c$	c
Chester (Sealand)	cm_o	$cz_o\,jp\,r_o$	'cmom	$bcw\,cm$
L'pool (Bidston)	$c\,o$	$o\,g\,p_o$	$p_o cf$	$cf\,cm$
Harrogate	Foc	c	corr	coff
Spurn Head	cbc	bc c	or	orc
Catterick	$ofr_o\,om_o$	om_o	02ac	bcwc
Tynemouth	o	o	op_o	$c\,bc\,m_o$
Inchkeith	$o\,ir_o\,if$	oc	cz_o	c
Leuchars	$cr_o\,ir_o\,bc$	$pr_o\,cm_o\,r_o$	$cm_o\,cr_o$	bcwm$_o$
Renfrew (Abbotts L)	$od_o\,om_o\,f$	$of\,m_o\,r_o$	$cm_o\,cr_o$	$cm_o\,cr_o$
Eskdalemuir	cz_o	cz_o	$c\,bw\,cw$	$cw\,ow$
Tiree	om_o	ocm_o	$cm_o\,rr_o$	c
Stornoway	$cir_o\,c$	$cr_o\,r_o\,f$	$cir_o\,m_o$	c
Dalwhinnie	c	ir_o		$ir\,bc$
Aberdeen	$old_o m_o$	$co\,ir_o$	or_o	$cbc\,p_o$
Wick	cm_o	cm_o	$or_o\,rm$	$cbc\,m_o$
Lerwick	c	c	$corr\,m_o$	$orr\,fe$
Blacksod Point	cq	ir_o	cR	ir_o
Malin Head	c	c	cRR	bcc
Aldergrove	$cm_o c$	cv	cpc	c
Donaghadee	c	$cl\,bc$	cp_o	cp_o
Birr Castle	cr_o	c	cpr	cprc
Valentia Obsy.	$cid_o c$	$coidrld_o d_o$	$om_o id_o$	$id_o odd$
Roches Point	c	c	codd	$od_o d_o$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⓜ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

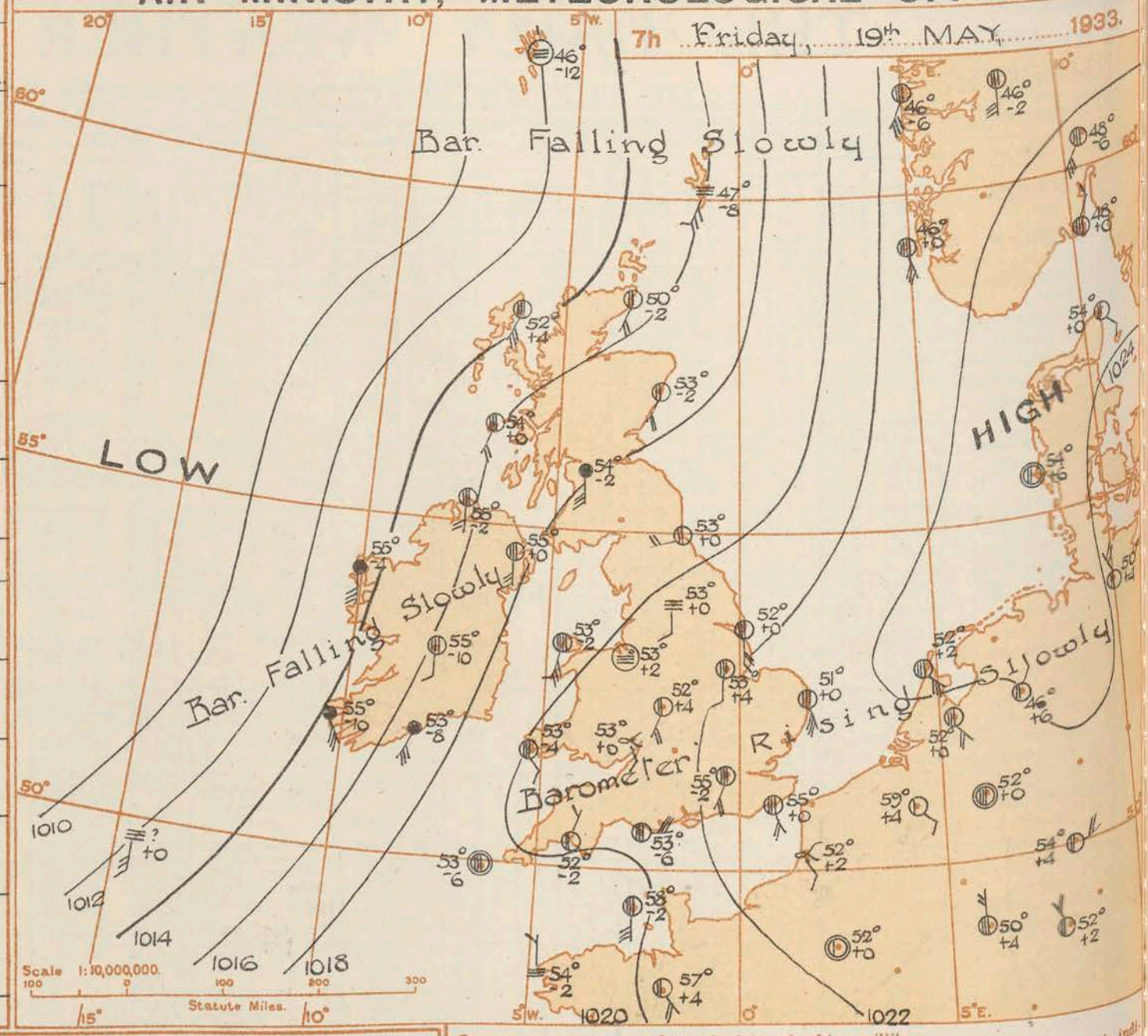
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for MAY 18th 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 17th to 9h. 18th	Temperature. Max. 9h.—17h. 18th	Rainfall. Night. 17h. 17th to 9h. 18th	Rainfall. Day. 9h.—17h. 18th	Sunshine. Sunrise to 17h. 18th	Sunshine. Sunrise to Sunset. 17th
1	Tunbridge W.	bc	bcc	43	65	-	-	6·0	1·2
	Bournemouth	bc	bcc	49	63	-	-	8·2	0·7
	Ventnor ...	ocbz	bz	50	58	-	-	7·7	1·9
	Southsea ...	cb	bc	50	59	-	-	7·5	0·43
	Bognor Regis	cbcb	bbc	49	58	-	-	5·4	0·3
	Littlehampton	c	bcc	48	58	-	-	4·0	0·0
	Worthing ...	c	cbcc	48	57	-	-	4·1	0·3
	Brighton ...	oc	bcc	48	55	-	-	3·0	0·9
	Eastbourne†	cbcb	bbcc	47	56	-	-	6·1	1·63
	Hastings† ...	bc	bbc	46	60	-	-	8·7	3·3
	Folkestone ...	bc	bc	46	58	-	-	8·0	5·6
	Dover... ...	bc	bc	49	62	-	-	8·9	5·6
	Deal	cbcb	bbc	49	59	-	-	6·9	5·1
	Ramsgate ...	bcb	bbc	48	58	-	-	7·8	7·0
	Margate ...	bc	bc	48	56	-	-	8·2	6·7
2	Southend ...	cbc	bcc	48	60	-	-	7·6	6·0
	Maldon ...	cbcb	bz	45	60	-	-	7·0	3·7
	Clacton-on-Sea	cbc	bc	48	57	-	-	8·3	5·1
	Dovercourt ...	bc	bc	47	59	-	-	8·4	5·1
	Lowestoft ...	b	b	44	54	-	-	10·6	0·0
	Skegness ...	obc	bcom	47	54	-	-	5·7	0·0
	Mablethorpe	cbc	bcco	45	54	-	-	4·7	0·0
	Cleethorpes ...	o	ooo	44	57	-	-	1·6	0·0
3	Leamington S.	cbc	bc	49	65	1	-	3·8	2·5
4	Cheltenham†	cm.bc	bcc	49	65	1	-	2·5	0·7
5	Bath	cbcb	bcc	51	67	-	-	4·6	0·5
	Weymouth ...	cz b	bz	50	58	-	-	7·7	1·4
	Jersey ...	oz b	bc	51	71	-	-	10·0	3·7
	Torquay ...	bz bcm	bm	46	59	-	-	10·0	5·3
	Penzance ...	bc	bcob	44	59	-	-	6·6	10·2
	St. Ives ...	b	b	48	56	-	-	7·4	8·0
	Bude	bc	cbcb	43	63	-	-	9·0	5·7
	Ilfracombe ...	bbcc	cbc	47	61	-	-	5·6	4·9
6	Aberystwyth	cbcc	cbc	51	7·59	-	-	5·1	0·9
7	Llandudno ...	cbc	cbc	54	67	-	-	2·7	1·8
	Colwyn Bay...	pbcc	bcc	53	65	-	-	4·2	2·2
	Rhyl								
8	Wallasey ...	oc	cbcop	52	65	-	Trace	0·4	6·4
	Southport‖ ...	ocbc	co	50	65	-	-	0·4	4·9
	Blackpool ...	ac	co	50	63	-	-	0·3	3·9
	Morecambe ...	c	cbbcc	51	63	-	-	0·3	4·8
9	Ilkley... ...	o	o	46	60	Trace	-	0·0	0·0
10	Berwick-on-T.	or	o	46	51	Trace	Trace	0·0	0·2
11	Dunbar ...	rom	om	46	58	0·5	0·3	0·0	1·1
12	Troon... ...	ro	oc	51	59	0·3	-	0·1	1·9
	Douglas ...	cmb	bco	50	57	-	-	1·5	2·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Light southeast or south wind; fair; rather warm or warm.
6. South Wales 7. North Wales 8. N.W. England	Light or moderate southerly wind; cloudy; occasional drizzle locally; rather warm.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light or moderate southerly wind; cloudy; perhaps occasional drizzle locally; rather warm.
12. S.W. Scotland & Isle of Man	Moderate southerly wind; cloudy; occasional rain or drizzle; mild.
13. A. W. Scotld. B. N.W. Scotland.	Moderate or fresh southerly wind; cloudy; occasional rain or drizzle; mild.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	As 12.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh southerly wind, strong at times locally on coast; cloudy; occasional rain or drizzle; rather warm inland.

GENERAL INFERENCE.

Pressure is high to the east of the British Isles, but a low-pressure system on the Atlantic continues to spread eastwards slowly. Occasional rain or drizzle will occur in Scotland, Ireland and the northwestern part of England and Wales, but weather will be fair and rather warm in the Southeast.

FURTHER OUTLOOK.

Rather unsettled in the West and North; fair in the Southeast.

Forecasts issued at 0900 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
FRIDAY
19th MAY
1933.

All times are G.M.T Add one hour to get summe. time.

Clarke's Projection Scale 1 : 4×10⁷ along meridian at 55°N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FRIDAY, MAY 19th 1933.

No. 26.111.

OBSERVATIONS at 1 hr. G.M.T. May 19th

Division	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1022·8	-4	S	3	b	48	85	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023·4	-10	ESE	3	3o	49	85	6	-	3	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1023·3	-8	SSE	4	c	50	85	7	5	-	-	10	10	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1021·4	-4	E'S	4	b	52	95	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021·4	-6	N	2	bc	50	95	7	1	-	1	2·3	2·3	4000
	Scilly (St. Mary's)	163	1021·3	-6	-	0	bc	51	95	7	5	-	-	2·3	2·3	4000
	Guernsey ...	175	1021·2	-8	-	0	bc	55	85	7	-	3	-	0	4·6	-
6	Pembroke ...	142	1020·3	-4	SE	1	c	52	95	6	5	7	-	4·6	9+	2500
7	Holyhead ...	26	1019·3	-8	SSW	2	c	51	95	7	5	-	-	7·8	7·8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020·9	-2	S'E	5	r	52	95	7	6	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1019·7	-8	SE	2	c/pr	50	95	6	6	-	-	7·8	7·8	1500
11	Inchkeith ...	190	1018·2	-2	WSW	1	c	52	85	7	5	-	-	7·8	7·8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012·5	-4	SW	3	c	52	95	6	5	-	-	10	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015·7	-12	SSW	3	r r	49	95	6	6	-	-	10	10	1500
16	Lerwick ...	54	1018·0	-14	SSW	4	r r	46	95	6	6	-	-	10	10	800
17	Blacksod Point	18	1015·7	+2	S	2	c	53	95	7	5	-	-	9+	9+	220
18	Malin Head ...	52	1015·8	-2	SSW	2	bc	54	95	7	6	-	-	2·3	2·3	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1017·0	+6	SW'S	1	d₀d₀	54	95	6	6	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. May 19th

Division	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1022·4	0	E	2	c	54	75	5	-	-	7	0	10	-	0	*
	Croyden ...	1022·3	-2	SSW	2	c	55	75	5	-	7	8	0	7-8	-	0	*
	S. Farnborough	1022·0	-2	SE'S	2	bc	52	85	6	-	-	8	0	4-6	-	0	*
	Winchester ...	1021·7	0	E	1	c	52	85	6	-	-	6	0	9	-	0	*
	Boscombe Down	1021·7	0	ESE	2	c	52	95	6	-	-	2	0	7-8	-	0	*
	Calshot, (S'thmtn)	1021·9	+8	E'N	3	bc	55	85	6	-	-	2	0	4-6	-	0	1
	Dungeness ...	*	*	ESE	2	c	*	*	6	5	-	*	7-8	7-8	800	*	1
	Lympne ...	1023·1	0	SSE	2	c	55	65	6	-	-	7	0	9+	-	0	*
2	Shoeburyness	1022·8	0	SSW	1	c	56	75	7	-	3	-	0	7-8	-	0	*
	Felixstowe ...	1023·2	+4	SE	1	bc	53	95	7	-	-	8	0	4-6	-	0	0
	Gorleston ...	1022·8	0	S'E	3	c	51	95	6	4	6	-	4-6	7-8	2500	0	2
	Cranwell ...	1022·0	+4	S	1	c	53	75	6	5	-	-	9+	9+	5700	0	*
3	Birmingham ...	1021·6	+4	SSW	2	bc	52	65	6	-	3	8	0	4-6	-	0	*
	Upper Heyford	1022·4	+2	S	1	c2	51	75	6	-	7	-	0	7-8	-	1	*
4	Ross-on-Wye ...	1021·1	0	SSE	1	c2	53	75	6	1	7	7	Tr	9+	4000	0	*
5	Portland Bill...	1020·4	-6	E	3	c	53	95	6	5	4	-	4-6	7-8	1500	0	2
	Plymouth ...	1020·2	-2	NNE	1	bc2	52	85	6	-	-	8	0	4-6	-	0	0
	The Lizard ...	1019·5	-4	N'E	2	bc2	53	95	5	2	4	1	4-6	4-6	4000	0	1
	Scilly (St. Mary's)	1019·8	-6	-	0	c	53	95	7	7	5	3	2-3	7-8	4000	0	1
	Guernsey ...	1019·8	-2	S	3	c	58	75	7	-	3	-	0	7-8	-	0	1
6	Pembroke ...	1020·1	-4	SE	1	c	53	95	7	7	7	6	4-6	7-8	1500	0	1
7	Holyhead ...	1019·3	-2	S'W	4	o	53	95	7	5	-	-	10	10	1500	0	1
	Chester (Sealand)	1020·5	+2	-	0	cm	53	95	4	5	3	8	2-3	9	4000	0	*
8	L'pool (Bidston)	1020·3	0	SE'S	1	c2	54	85	5	7	-	-	7-8	7-8	2500	0	*
9	Harrogate ...	1020·1	0	S	1	f	53	85	3	5	-	-	9+	9+	<150	1	*
10	Spurn Head ...	1020·9	0	S	3	c	52	85	6	5	1	-	2·3	7-8	1500	0	2
	Catterick ...	1019·9	+2	ESE	1	c	53	95	7	5	-	7	7-8	10	4000	1	*
	Tynemouth ...	1019·1	0	WSW	2	bc	53	75	6	4	-	-	4-6	4-6	4000	1	1
11	Inchkeith ...	1018·0	0	SSW	1	c	55	85	8	5	4	-	4-6	7-8	2500	0	1
	Leuchars ...	1017·3	-2	SW	2	c	54	95	6	7	3	6	2·3	9	2500	1	*
12	Renfrew (Abbotts l)	1017·6	-2	S	3	ir₀	54	85	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1018·9	0	SSW	3	o	49	95	5	5	-	-	10	10	<150	1	*
13A	Tiree	1016·0	0	S'W	2	c	54	85	7	5	3	9	2·3	10	2500	1	2
13B	Stornoway ...	1013·0	+4	SW	3	c	52	95	7	8	6	-	4-6	9+	1500	1	1
15	Dalwhinnie ...	1016·8	0	SE	4	bc	53	85	8	2	-	1	2·3	2·3	4000	1	*
	Aberdeen ...	1016·6	-2	SSW	2	bc/pr	53	85	5	8	9	-	2·3	4-6	4000	1	1
	Wick	1015·4	-2	SSW	2	bc	50	95	6	7	8	-	2·3	4-6	2500	1	2
16	Lerwick ...	1015·9	-8	SSW	4	f	47	95	3	-	-	-	-	10	<150	2	*
17	Blacksod Point	1013·8	-4	S	3	r₀	55	85	8	5	-	-	10	10	<150	1	3
18	Malin Head ...	1015·7	-2	S	2	c	55	95	7	8	1	-	2·3	10	1500	1	0
	Aldergrove ...	1017·7	0	S	3	c	55	85	8	5	7	-	7-8	9+	1500	1	*
	Donaghadee ...	1017·7	+4	SW	2	bc₀	52	95	7	5	-	-	9	9	1500	1	1
19	Birr Castle ...	1016·6	-10	S	1	c	55	95	8	5	2	-	7-8	10	2500	1	*
20	Valentia Obsy.†	1014·8	-10	S'E	3	dd	55	95	5	5	-	-	10	10	450	1	3
	Roches Point...	1017·2	-8	SW	3	dodo	53	95	6	5	-	-	10	10	1500	1	3

PAST 24 HOURS.

Division	Stations	Temperatures. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfalls. Day 7h-18h mm. (34)	Rainfalls. Night 18h-7h mm. (35)	Sunshine 18h Hrs. (36)
1	London (Kew)...	64	47	36	—	-	0·3
	Croyden ...	63	45	40	Tr	-	2·4
	S. Farnborough	63	49	34	—	-	1·9
	Winchester ...	63	41	37	—	-	8·1
	Boscombe Down	63	44	37	—	-	7·5
	Calshot, (S'thmtn)	58	51	47	—	-	6·2
	Dungeness ...	57	43	*	—	-	*
	Lympne ...	59	46	42	—	-	8·6
2	Shoeburyness	59	45	35	—	-	7·6
	Felixstowe ...	56	48	45	—	-	8·5
	Gorleston ...	53	49	48	—	-	11·0
	Cranwell ...	65	48	46	—	-	1·7
3	Birmingham ...	64	49	45	—	-	3·6
	Upper Heyford	63	44	35	Tr	-	*
4	Ross-on-Wye ...	67	49	41	—	-	8·2
5	Portland Bill...	55	50	*	—	-	*
	Plymouth ...	63	48	44	—	-	11·1
	The Lizard ...	61	50	*	—	-	*
	Scilly (St. Mary's)	58	49	*	—	Tr	5·3
	Guernsey ...	64	54	49	—	-	11·3
6	Pembroke ...	55	49	*	—	-	2·4
7	Holyhead ...	57	51	48	—	Tr	2·1
	Chester (Sealand)	66	45	40	Tr	-	0·1
8	L'pool (Bidston)	64	51	47	Tr	Tr	0·1
9	Harrogate ...	59	49	44	—	2	0·0
10	Spurn Head ...	53	49	*	—	0·2	2·3
	Catterick ...	58	50	49	0·1	-	0·0
	Tynemouth ...	53	49	46	—	0·1	*
11	Inchkeith ...	51	49	42	0·2	Tr	0·0
	Leuchars ...	55	44	42	1	0·1	0·0
12	Renfrew (Abbotts l)	60	51	50	Tr	1	0·0
	Eskdalemuir ...	58	49	41	—	-	0·0
13A	Tiree	55	49	45	—	0·4	0·2
13B	Stornoway ...	53	50	*	5	4	0·2
15	Dalwhinnie ...	52	46	37	0·3	0·5	0·0
	Aberdeen ...	50	47	46	0·3	2	0·0
	Wick	51	46	*	—	6	2·7
16	Lerwick ...	48	45	*	—	—	*
17	Blacksod Point	59	51	*	4	0·3	*
18	Malin Head ...	64	50	*	—	4	1·4
	Aldergrove ...	63	52	48	—	0·4	3·3
	Donaghadee ...	61	50	*	—	0·6	*
19	Birr Castle ...	64	53	49	Tr	0·3	3·4
20	Valentia Obsy.†	58	55	54	2	0·3	0·1
	Roches Point...	58	52	*	—	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon. (24 hrs, ended 9h.)	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
KEW	18	c	c	bm₀	64	47	36	-	-	0·3	*	*	6
CROYDON	217	cr₀2₀	cbcc	cb2₀	63	45	40	Tr	-	2·4	*	*	7
GREENWICH (Royal Observatory) ...	149	c	cy	cbwc@	70	42	32	-	Tr	3·0	55	56	*
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·9	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	63	49	44	-	-	3·5	61	57	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	65	47	43	-	-	3·4	69	56	
CAMDEN SQUARE	110	bc	c	*	65	47	40	-	-	*	*	61	*
KENSINGTON	80	bc2	bc	*	63	45	39	-	-	3·3	At 18h. 73		*
HAMPSTEAD OBSERVATORY	450	bc m	c	*	62	46	39	-	-	3·0	64	56	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.
0·6	19th 6h	0·0	18th 10-20h

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·4	19th 6h	<0·1	18th 17h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. May 18th Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. May 19th Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1022·2	-	0	b	66	1022·6	-	0	b	52
BRUSSELS	1023·5	N3	3	bc	53	1022·7	E'S	1	b	59
BERLIN	1021·2	W	1	c	50	1022·8	NE	1	c2	48
ZÜRICH	1020·3	ENE	1	bc	59	1020·7	NNW	2	c	48
ROME	1014·0	NNW	3	bc	72					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	45	-	-
63	46	-	-
55	45	4	-
64	45	-	- Tr
?		-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	"
2	Fog	550	"
3	Moderate fog	1,100	"
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	"
6	Moderate "	6½	"
7	Good "	12½	"
8	Very good "	31	"
9	Excellent "	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday May 20th 1933.
No. 26.112

OBSERVATIONS at 13h. G.M.T. May 19th

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1020·2	-12	SSE	3	c	69	95	7	1	3	7	Tr	10	4000
	Croydon ...	1020·2	-20	SE	3	bc	70	45	7	-	-	2	0	4-6	-
	S. Farnborough	1019·9	-10	SSE	3	bc	70	48	7	-	3	8	0	4-6	-
	Winchester ...	1019·5	-10	SE	4	z_0	66	55	7	-	-	9	0	4-6	-
	Boscombe Down	1019·0	-14	SE's	4	bc	65	65	6	-	-	6	0	4-6	-
	Calshot, S'thmtn	1020·5	-6	E	4	bc	60	75	6	4	-	1	1	2-3	2500
	Dungeness ...	*	*	ENE	2	bc	*	*	6	-	7	*	0	4-6	-
	Lympne ...	1022·2	-10	SE'E	2	c	61	55	7	-	-	4	0	7-8	-
2	Shoeburyness	1021·6	-8	ESE	4	bc	63	65	7	-	1	6	0	4-6	-
	Felixstowe ...	1022·2	-8	SE'E	3	bc	58	85	7	-	-	1	0	2-3	-
	Gorleston ...	1022·3	-6	SE's	4	c	55	85	6	-	-	6	0	7-8	-
	Cranwell ...	1019·6	-20	S	3	c	68	95	7	-	3	8	0	9	-
3	Birmingham ...	1018·9	-8	S	3	bc	65	45	8	-	-	8	0	4-6	-
	Upper Heyford	1019·3	-14	SES	3	c	67	55	7	-	-	9	0	9	-
4	Ross-on-Wye ...	1018·1	-10	S	4	c	71	55	6	1	5	2	2-3	9	4000
5	Portland Bill...	1018·6	-8	E	3	bc	56	95	6	4	-	1	2-3	4-6	-
	Plymouth ...	1017·9	-10	SW	3	bc	59	85	7	1	3	9	Tr	2-3	4000
	The Lizard ...	1017·8	-8	E'N	2	z_0	61	85	6	7	4	9	4-6	7-8	2500
	Scilly (St. Mary's)	1017·9	-10	SSW	2	c	59	86	7	5	-	-	9	9	4000
	Guernsey ...	1018·8	-10	SSE	3	bc	67	55	6	-	8	8	0	4-6	-
6	Pembroke ...	1017·8	-12	SE	1	c	56	85	6	5	7	1	4-6	7-8	2500
7	Holyhead ...	1017·9	-8	SW'S	2	c	57	75	8	5	7	-	Tr	10	4000
	Chester (Sealand)	1018·1	-10	SE	3	c	64	65	6	5	1	-	4-6	10	1500
8	L'pool (Bidston)	1018·2	-8	S	3	c	65	65	7	5	-	8	1	9+	4000
9	Harrogate ...	1018·3	-10	S	1	bc	66	65	5	-	3	-	4-6	4-6	2500
10	Spurn Head ...	1019·9	-6	SSE	5	c	58	75	7	5	1	-	4-6	7-8	4000
	Catterick ...	1018·1	-14	SSW	2	bc	66	65	6	1	6	-	2-3	2-3	4000
	Tynemouth ...	1018·0	-4	S	1	bc	65	55	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1017·6	-2	SW	1	c	59	75	8	8	-	-	10	10	2500
12	Leuchars ...	1017·1	-4	E	2	c	59	75	7	8	3	-	7-8	9+	2500
	Renfrew (Abbotts I.)	1016·6	-4	SSE	3	pr_0	589	85	6	8	2	-	9+	10	1500
	Eskdalemuir ...	1018·5	-4	SW	3	c	54	85	6	5	2	-	9+	10	1600
13A	Tiree	1014·4	-12	SSE	24	c	57	85	7	5	1	-	4-6	10	2500
13B	Stornoway ...	1013·0	-2	S	2	c	54	85	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1016·3	-2	SE	2	c	58	75	8	4	1	-	4-6	10	2500
	Aberdeen ...	1015·9	-2	SW	3	c	66	58	6	8	8	8	2-3	7-8	4000
	Wick	1016·4	+4	NE	1	c	53	86	7	8	7	1	4-6	7-8	2500
16	Lerwick ...	1017·0	0	SW'S	1	c	49	95	5	5	-	-	9+	9+	450
17	Blacksod Point	1011·1	-8	S	4	ir	56	85	7	5	-	-	9+	9+	220
18	Malin Head ...	1013·5	-12	S	3	pr_0	60	85	7	8	1	-	7-8	10	1500
	Aldergrove ...	1016·7	-8	SSE	2	ir_0	60	75	7	6	2	-	4-6	10	1500
	Donaghadee ...	1017·0	-2	S	2	jp	55	95	7	6	2	-	2-3	7-8	1600
19	Birr Castle ...	1014·3	-14	S	3	c	60	85	8	8	2	-	9+	10	1600
20	Valentia Obsy.	1012·7	-16	SE	4	c/d	56	95	8	5	-	-	9+	9+	800
	Roches Point...	1015·0	-10	SW	3	d_0d_0	55	95	6	5	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. May 19th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1018·4	-10	SSE	3	c	66	45	8	1	3	8	1	9	4000	0	*
1019·0	-6	SE	3	c	65	45	7	-	-	6	0	7-8	-	0	*
1018·4	-10	SE'S	2	bc	63	55	7	-	4	8	0	7-8	-	0	*
1018·0	-14	SE'S	3	bc	60	65	7	-	4	1	0	4-6	-	0	*
1017·5	-10	SE'S	4	c	62	68	6	-	3	2	0	7-8	-	0	*
1018·3	-20	E'S	5	bc	58	75	6	-	7	9	0	4-6	-	0	2
*	*	ENE	3	bc	*	*	7	5	8	*	2-3	4-6	2500	*	2
1020·3	-10	ENE	3	bc	60	68	7	-	-	8	0	4-6	-	0	*
1019·9	-10	ESE	4	bc	57	75	7	-	1	6	0	7-8	-	0	*
1020·7	-12	E	3	c	54	85	7	-	-	7	0	7-8	-	0	1
1021·1	-6	SE'E	3	c	53	85	6	-	7	-	0	9+	-	0	2
1017·8	-16	SE'S	4	c	64	55	6	5	7	7	1	10	4000	0	*
1016·5	-14	S	3	c	67	55	8	-	1	7	0	10	-	0	*
1017·7	-10	SSE	32	c	65	65	7	-	7	7	0	9	-	0	*
1015·8	-14	SE	3	z_0	66	55	7	-	4	7	0	9	-	0	*
1016·8	-12	E	4	c	55	85	7	5	4	-	4-6	7-8	2500	0	3
1015·5	-12	SSE	1	bc	62	75	6	-	9	6	0	4-6	-	0	1
1014·6	-18	NNE	1	z_0	59	95	6	4	7	4	4-6	4-6	2500	0	1
1015·8	-20	SSW	2	c	56	85	8	5	-	-	7-8	7-8	4000	0	1
1016·3	-16	S	1	bc	67	65	7	-	3	-	0	4-6	-	0	2
1014·5	-20	SE	1	c	55	85	6	7	7	-	4-6	9+	2500	0	1
1015·3	-18	NW'W	2	c	58	88	8	5	3	8	7-8	9	5700	0	1
1015·1	-18	SE	2	c	67	65	6	-	1	6	0	7-8	-	0	*
1015·1	-14	SSE	3	c	67	55	7	-	-	6	0	7-8	-	0	*
1016·7	-6	S	1	c	63	55	5	5	1	7	1	9+	2500	1	*
1017·8	-8	SSE	5	c	55	85	7	-	2	9	0	9+	-	0	4
1016·0	-12	SE'S	2	z_0	68	75	6	2	1	-	2-3	9	4000	1	*
1017·5	-12	SE	2	0	54	85	6	5	-	-	10	10	800	1	1
1016·1	-10	SW	2	c	57	75	8	5	2	-	4-6	10	2500	0	1
1015·8	-8	S	3	pr	61	65	8	8	2	-	2-3	10	1500	1	*
1014·9	-12	SE'E	1	c	57	85	6	8	2	-	4-6	10	1500	1	*
1015·9	-14	-	0	c	56	86	8	5	1	-	2-3	10	4000	1	*
1011·4	-22	SSE	5	rr	52	95	6	6	2	-	7-8	10	1500	1	3
1011·3	-8	SE	1	r_0r_0	52	96	6	5	-	-	10	10	1500	1	1
1015·0	-8	S	4	c	57	75	8	4	2	-	4-6	10	450	0	*
1015·3	-4	S	3	c	57	75	6	-	7	7	0	10	-	0	1
1014·6	-12	NE	1	z_0	51	85	6	8	1	-	4-6	7-8	1500	0	2
1016·5	-8	S'W	2	F	47	95	1	-	-	-	10	10	4150	1	*
1006·6	-20	S	4	c	59	75	8	8	-	-	9	9	450	1	3
1009·8	-28	SSE	4	c/pr	59	95	7	8	7	-	7-8	9+	1500	1	1
1012·5	-24	SE	4	c	58	65	8	5	-	-	9+	9+	4000	1	*
1013·6	-14	SE	2	c	52	95	7	5	3	-	4-6	7-8	1500	0	1
1010·8	-22	S	3	c	58	85	8	8	2	-	9	10	1500	1	*
1007·9	-24	SE	6	c	67	95	8	5	-	-	10	10	450	1	3
1012·5	-16	SW	4	c	54	95	7	5	-	-	9	9	1500	0	4

PAST 24 HOURS.

Weather. 7h.–18h. 19th (37)	Weather. 18h.–18h. 19th (38)	Weather. 18h. 19th to 1h. 20th (39)	Weather. 1h.–7h. 20th (40)
c	c	cybcb	bbcy
cz_0 ⊕ bcy	bc cy	cyb 3_0	bbc
bcz_0 bcy	bcy	bcy cbc	bccbc
cm_0 bc	bcy	bcb	bbc
cbc z_0	cz_0	bcm$_0$	bcm$_0$
bm_0	bm_0		b
bc	bc		bc
cz_0 bcy	bcy	cb	bbc
bc	bc	bc	bc
bc b	bc	c_1 b	bbc 2_0
cg	cbc c	cbcb	bbc
cz_0 bcy	cyc	cz_0	cm_0
bc	bc c	c	cbc
cbc cy	cbc cy	cbcw	cbcw
cbc c	cyc z_0	c	cbcc
cz_0	cz_0	bc	bc
bcz_0	bcz_0 if	bcz if	bcm oe
bcz_0	$czbcz$	bczbc	bcc
c	c	c	coir
cbc	bc	bcb	bc
cm_0	cm_0	cm_0 bc	bccm oc
c	c	cbcc	cm oc
rm_0 c	c	bcm oc	cm_0
m_0 bcc	cocy	ycc	ccbc
Fcbc	bcc	cb	bcc
bc	bc	bc	bc
c ⊕ bcz_0	bcc z_0	$c2_0m_0$	bcw moc
bc	bc o	om_0bc	bco
c	c	c	c
cwm$_0$c	cpr_0bc	cpr_0cm$_0$	cbccm$_0$
cm_0rc	cm_0cpr	cm_0	cm_0
cm_0	c	c	c
cbcc	mR	cir	cfrm$_0$
c	$cr_0r_0m_0$	cir	cpr_0
c	c		irc
bcc z_0	bcz$_0$y	cz_0	cz_0
bcm$_0$c	pr_0m_0	cm_0c	c
cFFFcin	cmFFe	FFe	FFcm$_0$
ir_0	ir_0	Rcq	r_0o
c	cpr_0	cpc	crar
c	cr_0c	cp_0	cm$_0$
cpr$_0$c	cpr$_0$c	c	c
c	c	cir	cirorr
cddid$_0$c	cd_0idr	idair r	rrirc
rddd$_0$	dd_0c	cirid	idorr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_0, slight rain.
rr, continuous rain.
< , less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

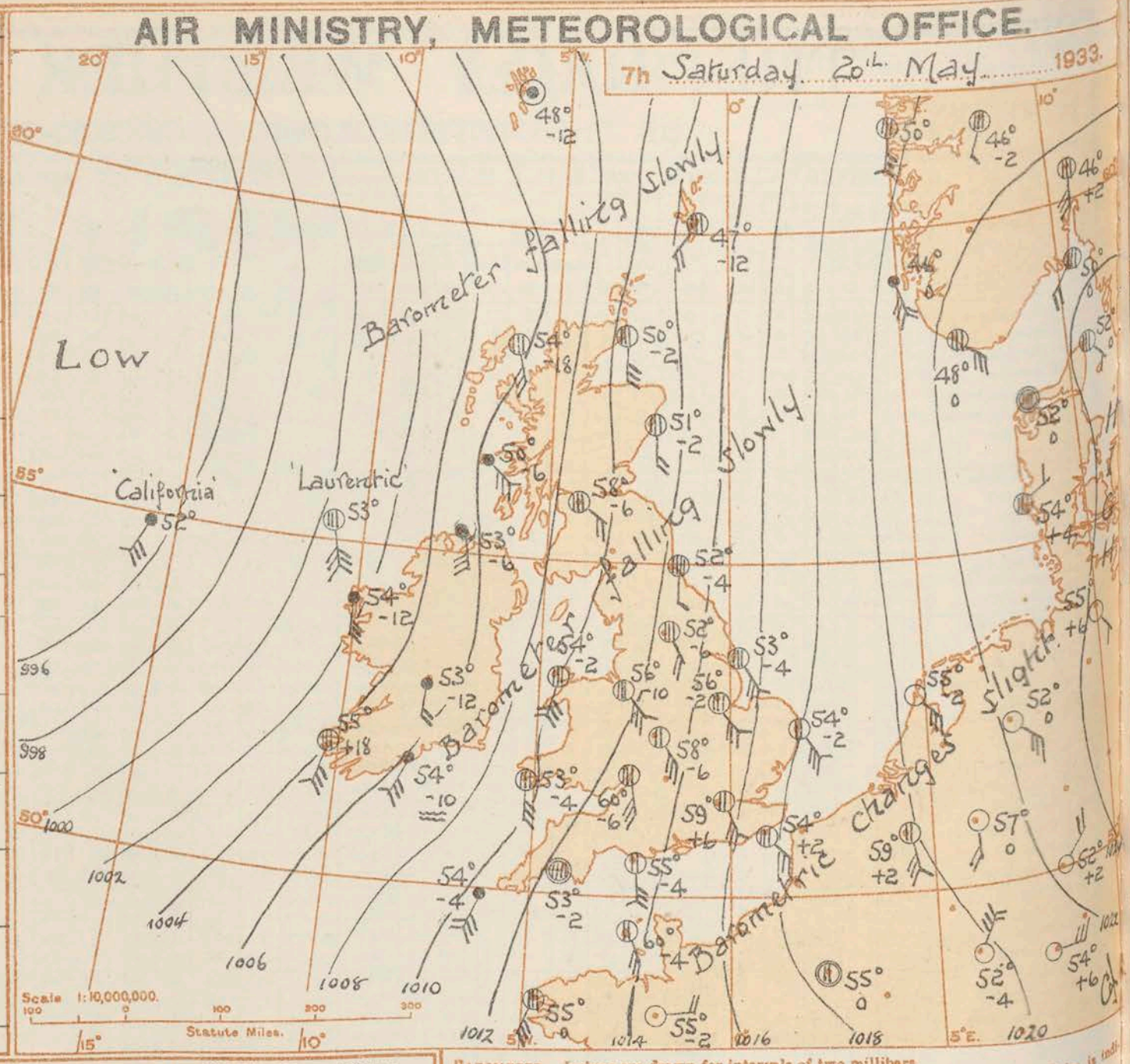
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for May 19th 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 18th to 9h. 19th	Temperature. Max. 9h.—17h. 19th	Rainfall. Night. 17h. 18th to 9h. 19th	Rainfall. Day. 9h.—17h. 19th	Sunshine. Sunrise to 17h. 19th	Sunshine. Sunrise to Sunset 18th
1	Tunbridge W.	bc	bc	44	70	-	-	8·7	6·0
	Bournemouth	cb	b	44	63	-	-	9·5	10·0
	Ventnor ...	bj	bj	51	61	-	-	10·4	8·1
	Southsea ...	b	b	49	64	-	-	10·3	7·0
	Bognor Regis	bcb	b	50	61	-	-	8·8	5·4
	Littlehampton	bc	bc	46	61	-	-	9·7	3·9
	Worthing ...	bcb	b	47	61	-	-	10·2	4·1
	Brighton ...	bcb	b	49	63	-	-	9·2	3·0
	Eastbourne†	cbcb	b	46	62	-	-	9·3	6·1
	Hastings† ...	b	b	50	64	-	-	9·3	8·7
	Folkestone ...	b	b	47	62	-	-	11·8	8·1
	Dover... ...	b	bbcy	44	67	-	-	11·9	8·9
	Deal	b	b	47	63	-	-	10·6	7·9
	Ramsgate ...	b	bbc	50	61	-	-	10·4	7·8
	Margate ...	bc	bcc	49	62	-	-	10·5	8·2
2	Southend ...	bcb$_3$	bc	49	65	-	-	10·2	7·6
	Maldon ...	b	b$_3$	44	66	-	-	8·4	7·0
	Clacton-on-Sea	bc	bcc	51	59	-	-	9·5	8·4
	Dovercourt ...	bc	bc	49	61	-	-	7·9	8·4
	Lowestoft ...	bc	bc	48	58	-	-	6·9	11·0
	Skegness ...	bc	bco	50	64	-	-	6·7	5·7
	Mablethorpe	c	c	49	65	-	-	4·6	4·7
	Cleethorpes ...	c	c	49	68	0·1	-	5·3	1·6
3	Leamington S.	bc	bcc	47	71	-	-	5·8	3·8
4	Cheltenham†	w$_3$bc	bcc$_{3_0}$	49	70	-	-	7·0	2·7
5	Bath	b	bbcc	45	71	-	-	8·4	6·2
	Weymouth ...	cb	bbc	51	60	-	-	9·0	9·3
	Jersey ...	bc	bc	55	71	-	-	8·5	10·7
	Torquay ...	bw$_{3_0}$	bbc$_{m_0}$	47	62	-	-	10·2	11·7
	Penzance ...	cbcb	bcb	46	62	-	-	7·1	7·3
	St. Ives ...	b	b	48	64	-	-	8·1	9·2
	Bude	wbcb	bbc	46	63	-	-	9·6	11·1
	Ilfracombe ...	b	bbcc	51	64	-	-	8·2	5·9
6	Aberystwyth	c$_{m_0}$	c$_{m_0}$	50	60	-	-	3·1	5·4
7	Llandudno ...	cbc	c	51	62	-	-	2·6	2·7
	Colwyn Bay...	cbcc	coc	50	61	-	-	2·6	4·2
	Rhyl								
8	Wallasey ...	bc$_3$	bc$_3$	50	67	Trace	-	3·3	0·4
	Southport‖ ...	cbc	coc	51	66	-	-	2·0	0·4
	Blackpool ...	c	c$_3$	51	65	-	-	1·9	0·3
	Morecambe ...	c	cbbcc	49	65	-	-	2·5	0·3
9	Ilkley... ...	bcbc	bcc$_3$	49	68	4	-	2·2	0·0
10	Berwick-on-T.	c	o	46	61	Trace	-	4·4	0·0
11	Dunbar ...	bc	bc	50	65	Trace	-	4·2	0·0
12	Troon... ...	r$_{s_0}$	orc	52	58	0·3	0·3	0·0	0·1
	Douglas ...	om$_{s_0}$id	ocbc	49	58	Trace	Trace	0·8	2·3

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southeast or south wind; fair and warm at first, less settled later with perhaps thunder.
4. W. Midlands	As 9 - 11.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate or fresh southerly wind, veering; cloudy; some rain; brighter intervals later; mild.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Moderate or fresh southerly wind; cloudy; some rain later; chance of local thunder; rather warm.
12. S.W. Scotland & Isle of Man 13. {A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Fresh southerly wind, strong locally; cloudy; some rain; mild.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh southwesterly wind; cloudy; bright intervals; showers; mild.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. ⊠ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression off Ireland, with a trough to the Bay of Biscay, is spreading east. Weather will be unsettled in the West and North, though with bright intervals. Condition will be fair and warm in the Southeast at first, but there is a chance of thunder late today and thereafter weather may be less settled.

FURTHER OUTLOOK.

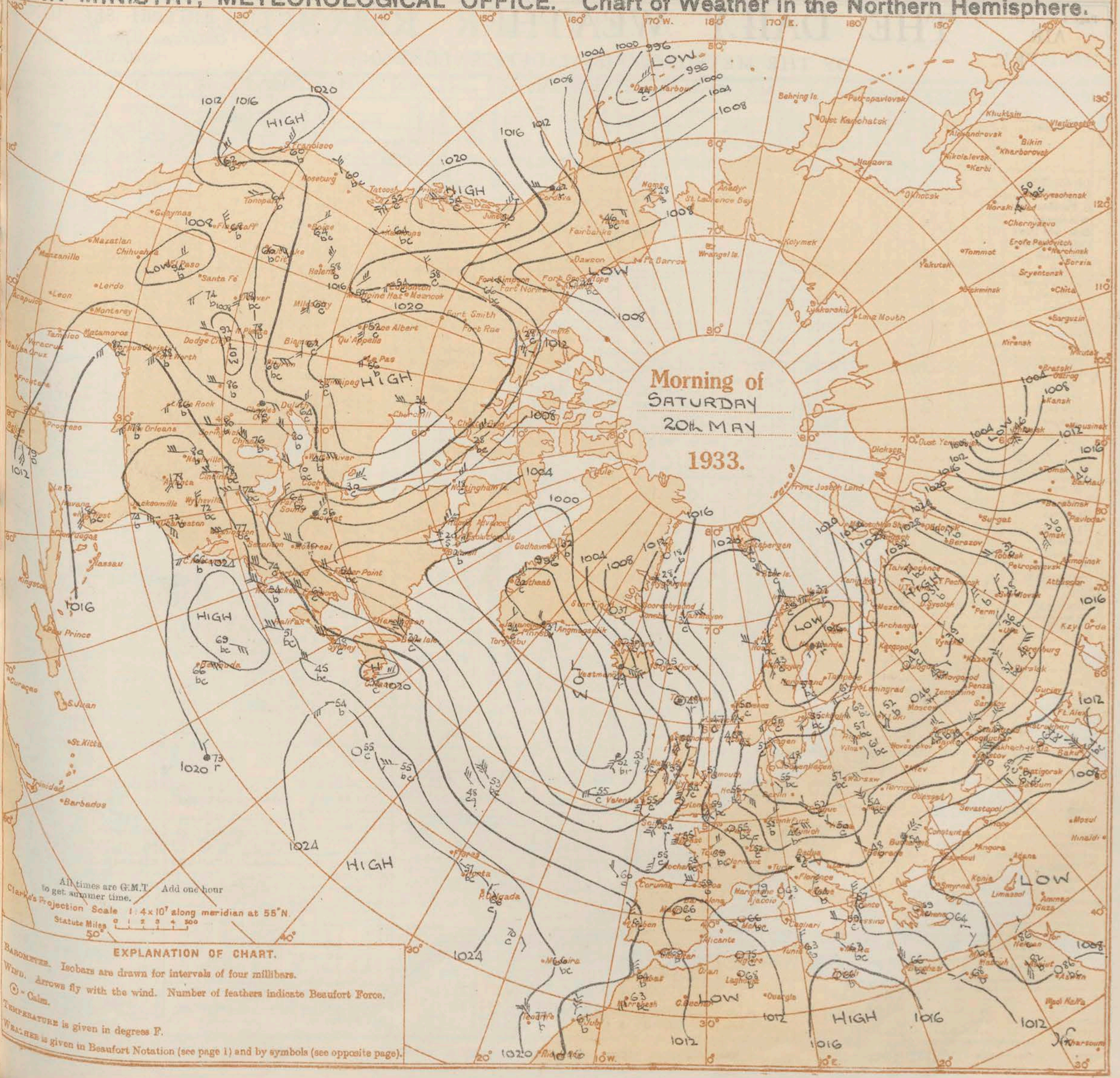
Rather unsettled, but bright periods.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Forecasts issued at 0915 G.M.T.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, May 20th 1933.

No. 26.112

OBSERVATIONS at 1 hr. G.M.T. May 20th

Division	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017.5	-10	SE	4	b	55	65	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.0	-6	SE'E	3	b	56	65	7	-	-	1	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1019.6	-6	SSE	3	b	52	85	7	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1014.8	-8	ESE	4	bc	54	95	7	4	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1013.3	-14	SE'S	3	bc	52	95	8	8	-	1	4-6	4-6	4000
	Scilly (St. Mary's)	163	1012.1	-16	S'W	4	c	53	95	8	8	2	-	7-8	9+	2500
	Guernsey ...	175	1015.7	-4	-	0	bc	58	85	6	8	-	-	4-6	4-6	4000
6	Pembroke ...	142	1012.6	-2	SSE	2	bc	53	95	6	7	7	-	2-3	4-6	2500
7	Holyhead ...	26	1011.9	-18	S'E	3	c	57	85	6	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.0	0	NE'E	4	bc	52	85	7	5	2	-	2-3	4-6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014.8	-10	SW	3	bc	57	75	7	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1013.1	-16	E	1	c	55	85	7	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1007.0	-22	ESE	3	c	53	95	8	8	6	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.1	-4	S	2	c	49	95	7	8	1	-	4-6	7-8	1500
16	Lerwick ...	54	1015.0	-4	SE	1	f	46	95	1	.	.	.	10	10	<150
17	Blacksod Point	18	1003.3	-14	S	5	rr	55	95	7	6	-	-	10	10	-
18	Malin Head ...	52	1005.9	-18	SSE	4	ir	55	95	7	6	2	-	9	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005.4	-10	SW	3	rr	55	95	7	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. May 20th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1016.9	+4	S'E	3	bc	61	55	7	-	3	9	0	4-6	-	0	*
1017.1	+6	SSE	4	c	59	55	8	-	3	9	0	7-8	-	0	*
1016.3	+4	SSE	3	bc	57	65	8	-	3	1	0	4-6	-	0	*
1015.4	+2	SSE	3	bc	58	75	7	-	4	3	0	4-6	-	0	*
1014.8	+2	SE'S	4	bc	57	85	6	5	4	1	4-6	4-6	5700	0	*
1015.1	-4	SE	5	b	59	65	7	-	4	-	0	1	-	0	3
*	*	S	3	c	*	*	7	5	7	*	2-3	7-8	1500	*	
1018.8	+2	SE	2	c	54	75	8	-	8	8	0	9	-	0	*
1017.8	0	S'E	2	bc	59	75	7	-	7	-	0	4-6	-	0	*
1018.1	0	SE'S	3	bc	57	85	6	-	3	-	0	4-6	-	0	1
1018.6	-2	SSE	4	bc	54	85	6	-	3	-	0	4-6	-	0	3
1015.5	-4	SSE	4	c	53	85	6	-	5	2	0	9	-	0	*
1014.1	-6	SSE	3	bc	58	65	8	-	8	9	0	4-6	-	0	*
1015.4	0	SE	3	bc2	57	75	8	-	8	9	0	4-6	-	0	*
1013.2	-6	S'E	3	c	60	75	6	-	-	7	0	9	-	0	*
1013.6	-4	S	4	bc	55	95	7	4	-	-	4-6	4-6	2500	0	3
1013.3	-2	-	0	o2	53	95	5	5	-	-	10	10	4150	0	3
1012.7	-4	S'E	4	o	53	95	7	5	-	-	10	10	2500	0	3
1010.7	-4	SSW	5	bc	54	95	6	5	-	-	10	10	1500	1	2
1014.4	-4	SSE	3	bc	60	65	7	-	3	-	0	2-3	-	1	2
1009.9	-4	S	3	dc	53	85	7	5	-	-	10	10	1500	0	2
1010.8	-2	SSW	5	c	54	85	6	5	-	8	4-6	10	7200	0	2
1011.9	-10	SE	4	c	56	75	6	5	3	6	2-3	7-8	4000	0	*
1011.5	-6	SSE	4	bc	56	65	7	7	5	4	1	4-6	4000	0	*
1014.3	-6	SSE	2	c	52	85	5	5	1	8	2-3	9	2500	1	*
1015.9	-4	S'E	4	c	53	95	6	5	3	8	2-3	7-8	2500	0	2
1014.1	-2	SSE	3	c	51	85	6	4	2	-	2-3	10	4000	1	*
1014.0	-4	S	1	o	52	75	6	6	-	-	10	10	1500	1	1
1011.4	-4	ESE	1	ir	57	75	7	3	-	-	10	10	1500	1	1
1011.4	-6	E	3	c	54	85	5	5	-	8	4-6	9+	4000	1	*
1009.8	-6	E'S	2	c	58	85	5	5	2	-	7-8	10	1500	1	*
1011.1	-4	SSE	1	c	54	85	6	5	2	-	4-6	10	2500	1	*
1006.1	-6	SE'S	4	RR	50	95	5	5	-	-	10	10	800	1	3
1004.1	-18	SSE	3	c/pr	54	85	7	4	6	-	7-8	10	2500	1	2
1009.2	-16	SE	4	c2	54	85	6	3	2	-	7-8	10	800	0	*
1012.0	-2	S'E	2	c	51	85	6	5	7	-	2-3	9	1500	0	1
1010.1	-2	S	3	c	50	95	7	5	7	-	7-8	10	1500	0	2
1013.3	-12	SW	2	c	47	95	7	5	2	-	4-6	9	800	0	*
1001.4	-12	S	3	RR	54	95	7	6	-	-	10	10	<150	1	2
1004.4	-6	S'E	3	RR	53	95	7	8	2	-	9	10	800	1	*
1006.9	-4	SE	4	c	54	85	6	5	-	8	9+	10	1500	1	*
1008.9	-4	SW	2	c	52	95	7	5	-	-	9	9	1500	0	1
1004.8	-12	S	2	rr	53	95	7	6	-	-	10	10	1500	1	*
1004.3	+18	SW	4	c	55	95	8	9	-	-	9+	9+	800	1	3
1006.7	-10	SW	4	rr	54	95	7	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 19th. Hrs. (36)
71	51	39	-	-	9.4
70	52	44	-	-	8.8
70	51	38	-	-	8.5
67	52	47	-	-	9.5
67	50	45	-	-	8.3
60	55	50	-	-	8.8
62	52	*	-	-	*
63	53	50	-	-	12.9
64	48	36	-	-	10.0
59	52	50	-	-	9.2
55	52	49	-	-	6.1
70	47	42	-	-	6.6
69	53	48	-	-	4.2
70	49	41	-	-	*
71	54	48	-	-	6.5
57	53	*	-	-	*
66	50	45	-	-	11.9
62	52	*	-	Tr	6.7
60	52	*	-	-	10.8
70	51	51	-	-	*
58	50	*	-	-	4.1
60	52	48	-	Tr	1.7
67	53	49	-	-	2.6
67	54	52	-	-	2.3
66	50	49	-	-	1.5
64	51	*	-	-	5.5
66	50	49	-	-	5.3
65	50	47	-	-	*
62	53	49	-	Tr	2.7
68	49	45	Tr	Tr	2.0
61	53	50	1	-	0.1
57	52	*	-	-	0.0
58	50	49	3	9	2.3
55	51	*	0.6	1.82	2.0
60	51	45	-	0.4	7.7
68	49	48	-	-	*
57	48	*	Tr	-	1.7
53	45	*	0.1	-	*
59	53	*	2	5	*
61	52	*	2	3	0.3
62	52	49	0.5	Tr	0.2
57	50	*	0.6	-	*
61	52	51	-	9	0.1
59	54	53	0.6	13	0.9
56	52	*	1	18	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	c	c	cybcb	71	51	39	-	-	9.4	*	*	7
Croydon	217	c2o⊕bcy	bccy	cyb2o	70	52	44	-	-	8.8	*	*	8
Greenwich (Royal Observatory) ...	149	c⊕y	c⊕y	cbc	74	46	33	-	-	8.5	52	49	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	54	47	-	-	9.2	47	42	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	72	51	45	-	-	9.3	55	47	*
Camden Square	110	b	bbc	*	74	51	44	-	-	*	*	47	*
Kensington	80	bc3	bc	*	71	51	43	-	-	9.2	At 18h. 45		*
Hampstead Observatory	450	bcm	bc	*	70	50	42	-	-	9.3	44 *	43	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

South Kensington.

Max.	Time.	Min.	Time.
1.0	19th 7-8h	Nil	20th 12-22h

Kew Observatory.

Max.	Time.	Min.	Time.
0.2	20th 4h	<0.1	19th 18h

FOREIGN OBSERVATIONS.

18h. G.M.T. MAY 19th. 7h. G.M.T. MAY 20th.

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1019.1	E	1	bc	68	1018.1	-	0	bc	55
Brussels	1020.4	ESE	3	b	63	1020.3	SSE	4	bc	59
Berlin	1023.2	NNW	1	c	57	1025.4	-	0	c	54
Zürich	1020.8	ENE	1	bc	55	1019.1	NNE	1	b	45
Rome	1014.1	WNW	2	o	64	1018.5	NNE	3	b	64

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	45	-	-
68	48	-	-
59	45	-	-
64	39	-	-
73	45	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	"
2	Fog	550	"
3	Moderate fog	1,100	"
4	Mist or haze	1¼	miles.
5	Poor visibility	2¼	"
6	Moderate "	6¼	"
7	Good "	12½	"
8	Very good "	31	"
9	Excellent "	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. Simpson, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, May 21st 1933.

No. 26,113.

OBSERVATIONS at 13h. G.M.T. 20th May

Division	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew) ..	1015·1	-10	S	4	bc	70	35	8	-	4	2	0	4-6	-
	Croydon ...	1015·3	-14	ESE	4	bc	70	36	8	-	3	9	0	4-6	-
	S. Farnborough	1014·5	-12	SSE	4	bc	70	45	8	-	8	-	0	4-6	-
	Winchester ...	1014·4	-8	SE's	4	c	66	55	8	-	3	-	0	9	-
	Boscombe Down	1013·3	-10	SSE	4	bc	67	65	7	-	3	-	0	7-8	-
	Calshot, S'thmtn	1014·7	-6	E'S	4	bc	60	75	7	-	5	9	0	4-6	-
	Dungeness ...	*	*	S	1	bc	*	*	7	7	-	-	2-3	2-3	2500
	Lympne ...	1017·1	-14	S	2	b	65	45	8	-	-	9	0	1	-
2	Shoeburyness	1016·7	-14	SSE	4	bc	68	55	8	-	4	34	0	4-6	-
	Felixstowe ...	1017·5	-8	SE	3	bc	61	65	8	-	-	9	0	2-3	-
	Gorleston ...	1017·9	-4	SE's	4	bc	55	75	6	1	7	-	1	4-6	4000
	Cranwell ...	1013·9	-8	S'W	4	bc	73	45	7	1	3	1	2-3	2-3	4000
3	Birmingham ...	1013·4	-6	SSE	4	c	68	45	8	6	-	5	2-3	7-8	2500
	Upper Heyford	1014·0	-8	S	4	bc	69	45	8	-	9	1	0	4-6	-
4	Ross-on-Wye ...	1011·8	-10	SSE	4	cq	72	45	7	1	-	6	2-3	7-8	4000
5	Portland Bill	1015·8	0	E	3	c	58	85	7	5	4	-	4-6	7-8	2500
	Plymouth	1012·5	+2	S'W	2	r_o	55	95	6	5	-	-	10	10	800
	The Lizard ...	1012·3	0	S'E	3	rr	54	95	6	5	-	-	10	10	800
	Scilly (St. Mary's)	1011·5	+8	W's	3	c	56	95	7	5	1	-	4-6	7-8	4000
	Guernsey ...	1014·2	0	S	2	bc	69	56	7	7	1	1	4-6	4-6	4000
6	Pembroke ...	1011·0	0	SSW	3	rr	53	95	5	5	-	-	10	10	1500
7	Holyhead ...	1011·5	+6	S	4	o	55	85	6	5	-	-	10	10	1500
	Chester (Sealand)	1011·0	-4	SE'S	4	c	68	65	7	5	7	-	4-6	8	4000
8	L'pool (Bidston)	1010·5	0	S'E	3	o	67	65	7	5	-	-	10	10	2500
9	Harrogate ...	1012·0	-10	SSE	3	c	69	55	6	8	1	7	7-8	9+	2500
10	Spurn Head ...	1014·2	-4	SE	5	bc	59	75	6	-	7	9	0	4-6	-
	Catterick ...	1011·1	-20	SE	4	c	69	65	6	-	4	7	0	10	-
	Tynemouth ...	1011·6	-8	SE	3	c	54	85	6	5	-	-	7-8	7-8	800
11	Inchkeith ...	1010·4	-6	E	1	c	55	85	7	5	-	-	10	10	2500
	Leuchars ...	1010·3	-10	ESE	2	z_o	61	75	6	-	7	8	0	10	-
12	Renfrew (Abbotts I.)	1009·3	+2	S'W	3	p_o	58	85	6	8	2	-	9	10	2500
	Eskdalemuir ...	1009·6	-2	SWS	4	c	69	65	6	5	3	8	4-6	7-8	2500
13a	Tiree	1005·4	+8	SE'S	5	ir	52	95	6	6	2	-	9	10	800
13a	Stornoway ...	1003·3	-4	SSW	3	c/p_o	56	85	6	8	6	-	4-6	10	1500
15	Dalwhinnie ...	1007·5	-2	S	4	z_o	60	65	6	3	1	-	4-6	10	800
	Aberdeen ...	1011·0	0	SE's	3	c	52	85	6	5	7	-	4-6	10	2500
	Wick	1008·2	-12	SSE	4	z_o	52	95	6	5	1	-	7-8	10	1500
16	Lerwick ...	1012·1	-4	SSE	4	c	50	95	4	5	-	-	9	9	800
17	Blacksod Point	1004·1	+18	SW	5	qr	57	75	8	3	-	-	4-6	4-6	800
18	Malin Head ...	1004·4	+8	S	4	c	60	85	8	8	1	-	9	10	1500
	Aldergrove ...	1007·4	+2	SSE	4	$d_o d_o$	56	85	7	6	-	-	10	10	800
	Donaghadee ...	1008·8	+2	SW	3	$r_o r_o$	54	95	7	6	-	-	10	10	800
19	Birr Castle ...	1006·3	+6	SW	3	pr	62	65	8	3	-	-	9+	9+	1500
20	Valentia Obsy.	1008·0	+14	SW's	5	bc	59	75	8	8	-	-	4-6	4-6	1500
	Roches Point...	1008·7	+10	SW	4	bc	58	85	8	3	-	9	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 20th May

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
London (Kew) ..	1014·2	-4	S'E	3	c	70	45	8	-	8	6	0	7-8	-	0	*
Croydon ...	1014·5	-2	SE	3	c	67	36	8	-	7	6	0	9	-	0	*
S. Farnborough	1013·5	-14	SSE	3	bc	65	45	8	-	8	4	0	4-6	-	0	*
Winchester ...	1013·9	0	SSE	3	c	63	55	8	-	-	2	0	9	-	0	*
Boscombe Down	1013·3	+2	S	3	c	61	75	7	7	9	5	1	7-8	5700	0	*
Calshot, S'thmtn	1013·8	-2	ESE	4	bc	60	75	7	-	-	9	0	7-8	-	0	2
Dungeness ...	*	*	NNE	2	bc	*	*	7	5	9	*	4-6	4-6	4000	*	0
Lympne ...	1015·1	+14	ESE	2	bc	65	45	8	-	-	1	0	4-6	-	0	*
Shoeburyness	1015·1	-10	ESE	4	c	60	75	7	-	4	9	0	7-8	-	0	*
Felixstowe ...	1015·8	-10	E'N	4	bc	59	65	8	-	5	9	0	4-6	-	0	21
Gorleston ...	1016·7	-6	SE'S	2	bc	56	75	6	-	8	1	0	4-6	-	0	2
Cranwell ...	1013·1	+2	SE's	4	c	66	35	7	1	7	6	2-3	9+	4000	0	*
Birmingham ...	1012·3	-2	SSE	3	bc	66	45	8	-	1	2	0	7-8	-	0	*
Upper Heyford	1013·4	+2	S	3	c	66	45	8	3	9	2	Tr	9+	4000	0	*
Ross-on-Wye ...	1011·9	0	S	3	c	65	55	7	6	7	-	1	10	4000	0	*
Portland Bill	1014·0	+4	WSW	1	o	54	95	6	5	-	-	10	10	1500	0	2
Plymouth	1013·3	+6	S	2	$d_o d_o$	55	95	6	5	-	-	10	10	220	1	2
The Lizard ...	1014·2	+10	WSW	3	bc	57	95	8	7	-	-	2-3	2-3	4000	1	2
Scilly (St. Mary's)	1013·8	+12	W's	2	b	57	85	7	4	-	-	Tr	Tr	4000	1	2
Guernsey ...	1014·0	+4	NW	2	o	58	85	6	5	-	-	10	10	4000	0	2
Pembroke ...	1011·5	+6	SW	2	bc	55	95	6	5	-	-	2-3	2-3	1500	1	2
Holyhead ...	1011·4	+2	S'W	4	ir	54	95	6	5	-	-	10	10	450	1	2
Chester (Sealand)	1010·8	+2	E'S	1	ir	59	85	6	9	2	-	7-8	10	2500	1	*
L'pool (Bidston)	1011·8	-2	-	0	rr	57	95	5	6	2	-	4-6	9+	1500	2	*
Harrogate ...	1011·6	-6	SSE	3	bc	67	55	7	5	6	8	2-3	4-6	2500	1	*
Spurn Head ...	1013·6	-4	SSE	5	c	57	75	7	5	3	8	2-3	7-8	4000	0	3
Catterick ...	1010·8	+2	SSE	3	c	67	65	7	7	4	7	2-3	10	4000	0	*
Tynemouth ...	1010·8	0	SSE	3	o	56	75	7	5	-	-	10	10	1500	0	2
Inchkeith ...	1010·0	0	S	3	c	58	75	7	5	-	-	10	10	2500	0	2
Leuchars ...	1010·1	0	E	1	z_o	64	75	6	5	7	8	2-3	10	5700	0	*
Renfrew (Abbotts I.)	1009·4	+2	S'W	3	c	58	85	6	5	7	-	7-8	10	2500	1	*
Eskdalemuir ...	1011·2	+12	SW's	3	c/r	54	95	6	5	2	-	7-8	10	800	1	*
Tiree	1007·1	+20	S	3	c/r	53	95	7	6	7	-	7-8	9+	4500	1	3
Stornoway ...	1004·6	+8	S	3	p_o	51	95	7	8	2	-	4-6	10	1500	1	2
Dalwhinnie ...	1008·8	+2	S	5	c	56	85	7	4	1	-	4-6	10	800	0	*
Aberdeen ...	1010·8	+2	SSE	3	c	54	75	6	-	7	8	0	9+	-	0	1
Wick	1008·0	+6	S	4	z_o	52	95	6	5	-	-	10	10	1500	0	3
Lerwick ...	1011·4	0	SSE	4	c	50	85	6	5	7	-	7-8	9+	800	0	*
Blacksod Point	1005·7	+6	SW	5	qr	56	75	8	3	-	-	4-6	4-6	800	0	3
Malin Head ...	1006·6	+20	-	0	p_o	55	95	8	8	1	-	9	9+	1500	1	0
Aldergrove ...	1008·6	+12	SE's	2	cq	54	95	8	8	9	8	7-8	10	1500	1	*
Donaghadee ...	1008·5	-2	SSW	2	c	55	95	7	8	-	-	9	9	1500	1	1
Birr Castle ...	1007·5	+12	SW	2	c	62	55	8	8	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	1009·2	+8	S'W	4	c	57	75	8	8	5	1	4-6	7-8	1500	1	3
Roches Point...	1010·5	+16	SW	3	bc	58	85	8	3	-	-	4-6	4-6	2500	0	5

PAST 24 HOURS.

Stations.	Weather. 7h.–13h. 20th (37)	Weather. 13h.–18h. 20th (38)	Weather. 18h. 20th to 1h. 21st (39)	Weather. 1h.–7h. 21st (40)
London (Kew) ..	bcy	bcy cy	cy bc	bc m o c
Croydon ...	c b y v	bc cy	bc y 3 o b	b b c c
S. Farnborough	bc b bcy	bcy	bcy bc	c m o
Winchester ...	bcy	cy	c	c
Boscombe Down	b c m bc	bc	c	com.
Calshot, S'thmtn	bc	bc	bcc	c o c bc m o
Dungeness ...	bc	bc		bc
Lympne ...	c b c b y	b b c y	b c b	b c
Shoeburyness	bc	bc	c b c b w	b b c w m o
Felixstowe ...	6 c z o	bc	bc	bc
Gorleston ...	bc q	bc q	bc q	bc c 3 o
Cranwell ...	c b bc	c		c
Birmingham ...	bc	bc	c p o	c b c
Upper Heyford	bc c b c y	p o c y	c y c m o	c m o
Ross-on-Wye ...	c b c c	b c y c y	C	c b w b c
Portland Bill	b c c	c o z o	o f f	f f c
Plymouth	o e c m o	o r o d r m o	o d d m o b	o d d m o c
The Lizard ...	c r r m o	r r f b c	b c b w	b f f
Scilly (St. Mary's)	i r m c	c b c b	b w	b c c
Guernsey ...	b c	b c c o	o o f f	o f m
Pembroke ...	d f o o m o c	c i d o b c m o b	b m o b w	c m o
Holyhead ...	c o m o	r o i o	p r f b c m o	b c o m o o
Chester (Sealand)	c z o	c w r	t o i R m o	c b
L'pool (Bidston)	b c c o	c o l m c m o	r r o i r	c b c b
Harrogate ...	b c c	c b c	b c	b c b
Spurn Head ...	c b c	b c c	c b c	b c
Catterick ...	c z o	z o c y c	c o r o w	c w
Tynemouth ...	o c	c o	o	o b c m o
Inchkeith ...	c i r o	c	i o r r o	c w
Leuchars ...	c r o c z o	c z o t	c 3 o r r r	c r r b c i f
Renfrew (Abbotts I.)	c m o p r o	c p r o	c p r c	c m o w
Eskdalemuir ...	c	b c c i r	c R	c R c d o
Tiree	c i R r r m o	c i r o	c i r.	c b c
Stornoway ...	c p r m o	c p r o	c b c	c b c
Dalwhinnie ...	c p r o	b c z	c	b c
Aberdeen ...	c z o	c	*	b c
Wick	c z o	c z o	c r o r c	c p r.
Lerwick ...	p r o m o	c m o m	r o r m.	r o r m.
Blacksod Point	c m	c m o	c m.	c m.
Malin Head ...	p r o b c q c p r t	p r o b c q c p r o	b c b c p o.	b c b c
Aldergrove ...	c r o r r	c d o c P R K q	c p r o b	b w
Donaghadee ...	c o r o	c r o r o c	c o f f	o f f
Birr Castle ...	t r c p r	c p r a y	c	c
Valentia Obsy.	c b c	b c z	c b c	b c c i r b c
Roches Point...	o r b c	b c	b c b w	b b c a w

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered).
c, generally cloudy.
d, drizzle.
e, wet air.
g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, " less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail.
i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/o, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall.
l, lightning.
o, overcast sky.
p, passing showers.
q, squalls.
r, rain.
s, snow.
rs, sleet.
t, thunder.
u, ugly, threatening sky.
v, unusual visibility.
w, dew.
x, hoar frost.
y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.

<, less than (for cloud height).

⊕, Solar halo. ☾ lunar halo. ⁓ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

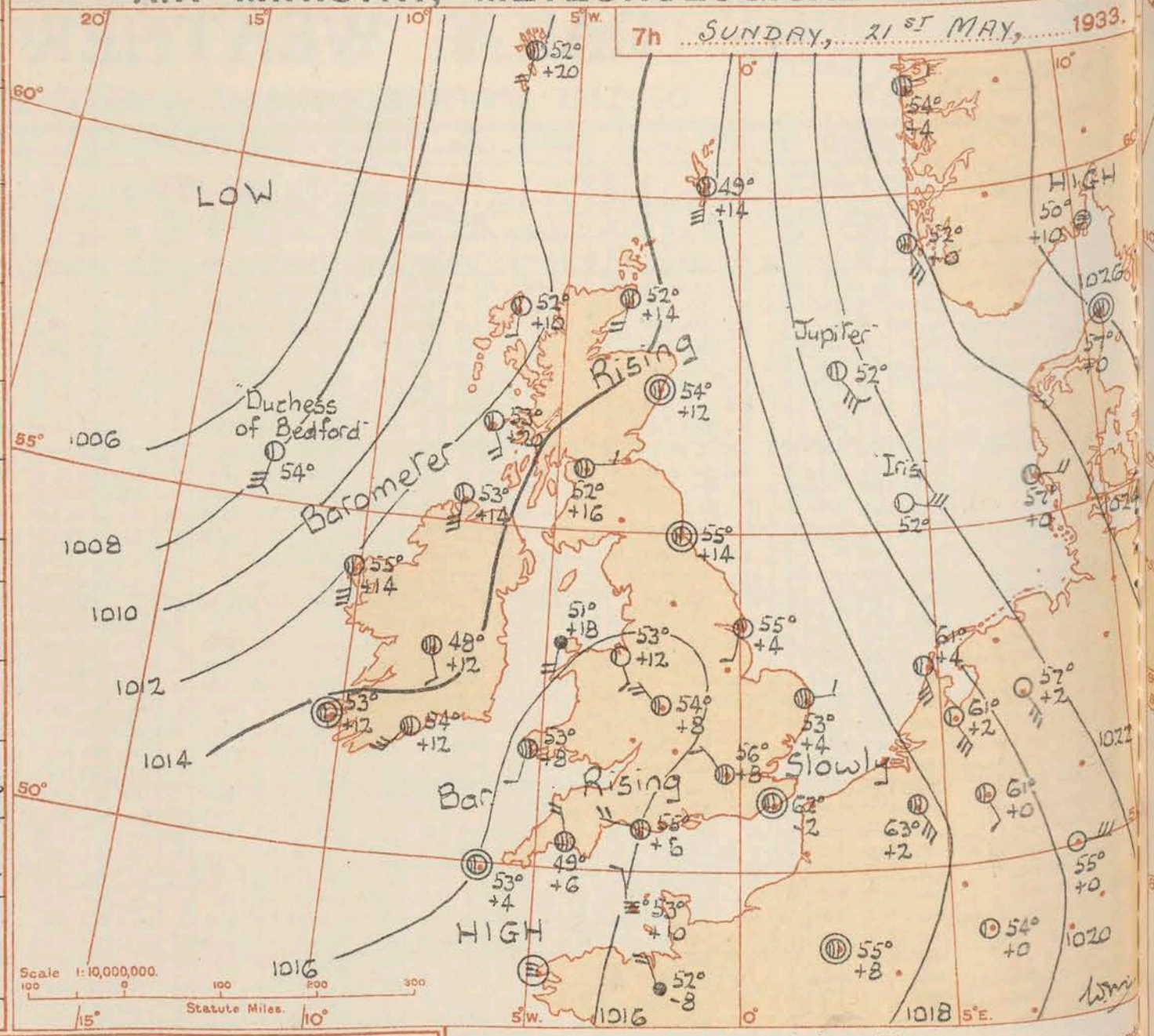
REPORTS from HEALTH RESORTS for MAY 20th 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 19th to 9h. 20th	Temperature. Max. 9h.—17h. 20th	Rainfall. Night. 17h. 19th to 9h. 20th	Rainfall. Day. 9h.—17h. 20th	Sunshine. Sunrise to 17h. 20th	Sunshine. Sunrise to Sunset. 19th
1	Tunbridge W.	b	bbc	47	70	–	–	9·7	9·2
	Bournemouth	b	b	54	65	–	–	10·7	9·9
	Ventnor ...	bz	b	55	62	–	–	10·3	11·6
	Southsea ...	b	b	55	66	–	–	10·2	11·2
	Bognor Regis	b	b	54	62	–	–	10·4	9·5
	Littlehampton	bc	bc	55	63	–	–	(10·7)	9·9
	Worthing ...	b	b	54	63	–	–	11·0	10·6
	Brighton ...	b	b	55	65	–	–	10·3	9·5
	Eastbourne†	b	bbc	51	65	–	–	11·0	9·6
	Hastings† ...	b	bbc	52	67	–	–	10·4	12·5
	Folkestone ...	bc b	b	53	69	–	–	10·5	12·5
	Dover... ...	ybc	bc	53	68	–	–	12·3	12·9
	Deal	b	b	51	69	–	–	11·4	10·6
	Ramsgate ...	bcb	b	52	64	–	–	11·8	10·4
	Margate ...	bc	bc	53	67	–	–	11·6	10·5
2	Southend ...	bcb	bz	53	70	–	–	9·9	10·5
	Maldon	b	b	49	71	–	–	9·8	8·4
	Clacton-on-Sea	bc	bc	54	62	–	–	9·6	9·5
	Dovercourt ...	bc	bc	56	65	–	–	10·5	7·9
	Lowestoft ...	b	b	51	62	–	–	11·6	6·9
	Skegness ...	bc	bc	53	69	–	–	11·5	6·7
	Mablethorpe	bc	bcv	49	72	–	–	9·2	4·6
	Cleethorpes...	bc b	b	47	73	–	–	9·8	8·5
3	Leamington S.	bc	bc	53	72	–	–	7·0	5·8
4	Cheltenham†	bcz	bccqz	53	71	–	–	8·9	7·1
5	Bath	bcb	bbcc	54	72	–	–	8·5	9·0
	Weymouth ...	cb	bbcz	54	62	–	–	8·0	9·5
	Jersey ...	b	bc	60	72	–	–	11·3	10·0
	Torquay ...	bcwm	bcojp	49	61	–	–	3·7	10·6
	Penzance ...	mr	ro b	52	60	Trace	13	2·3	7·8
	St. Ives ...	cr	c	52	60	–	9	2·2	9·1
	Bude	ocp	pc	54	60	–	2	0·2	10·3
	Ilfracombe ...	cbc	bcor	55	67	–	2	2·2	8·2
6	Aberystwyth	cz	cr c	56	63	–	0·3	0·2	3·2
7	Llandudno ...	c	c	54	64	–	–	0·0	3·6
	Colwyn Bay...	c	cpo	54	66	–	0·3	0·0	2·6
	Rhyl								
8	Wallasey ...	bcc	cP	55	71	–	7	1·5	3·3
	Southport‖ ...	bc	bcor	54	71	–	8	1·9	2·0
	Blackpool ...								
	Morecambe ...	cbbc	crpr	57	73	–	8	3·3	2·5
9	Ilkley... ...								
10	Berwick-on-T.	o	oPR	48	58	–	Trace	0·0	4·4
11	Dunbar ...	bcm	bcm	52	64	–	–	0·0	4·2
12	Troon... ...	bcc	cor	53	57	Trace	1	0·0	0·0
	Douglas ...	cbmc	oirm	51	55	1	1	0·2	0·8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 21st MAY, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T 21st May, 1933.
1. S.E. England 2. E. England .. 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Light or moderate variable wind; mainly fair; rather warm.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W Scotld. / B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands. 17. S.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate south to southwest wind; bright intervals and local showers; mild.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 7/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✱Sleet ▲Hail ≡Fog ≡Mist. ⊤Thunder. ⊼Thunderstorm.
SEA DISTURBANCE. ~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression west of Iceland is filling up, and pressure is rising over the British Isles. Weather will be mainly fair in the South, but there will be bright intervals and local showers in the North.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1030 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2
Ps. 7551/2573. Wt. 4 7. D 6001. Gp. 908. 23560. 5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY
21st MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday May 21st 1933.

No. 26,113

OBSERVATIONS at 1 hr. G.M.T. 21st May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Mod. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1014.6	-2	ESE	1	b	52	75	7	-	-	1	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.0	-6	ESE	2	b	55	65	8	-	-	1	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1015.3	-4	SSE	2	bc	53	85	7	-	4	-	0	2.3	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1014.6	0	NW	2	F	54	95	1	.	.	.	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1015.6	0	W	1	b	51	95	8	-	-	1	0	Tr	-
	Scilly(St.Mary's)	163	1015.1	+2	WSW	2	b	52	95	7	-	-	-	0	0	-
	Guernsey ...	175	1015.2	+4	NW	2	f	54	95	2	5	-	-	10	10	220
6	Pembroke ...	142	1013.4	+8	SW	1	b	52	95	7	-	-	-	0	0	-
7	Holyhead ...	26	1013.2	+10	SSW	3	bc	52	95	6	5	-	-	4.6	4.6	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014.1	0	S	3	bc	53	85	7	5	1	-	2.3	4.6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1012.6	+8	WSW	1	0	53	85	6	5	-	-	10	10	1500
11	Inchkeith ...	190	1012.3	+6	SE	2	RR	54	95	7	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1007.5	+12	S	2	c	51	95	8	8	6	-	4.6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.5	+4	SSW	2	3	50	95	6	8	1	-	7.8	10	1500
16	Lerwick ...	54	1013.1	+6	SSE	4	c	49	85	5	5	2	-	7.8	10	800
17	Blacksod Point	18	1005.1	+18	S	3	bc	53	85	8	2	-	-	2.3	2.3	1500
18	Malin Head ...	52	1010.0	+10	SW	2	b	50	85	7	4	3	-	Tr	Tr	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1011.0	+14	S	3	b	52	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 21st May

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Mod. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1015.6	+6	-	0	c	56	75	5	5	-	-	9	9	4000	0	*
	Croyden ...	1015.6	+8	NNW	1	3o	56	75	6	-	7	8	0	9+	-	0	*
	S. Farnborough	1015.4	+10	W	1	c	56	75	6	7	7	2	4-6	7-8	5700	0	*
	Winchester ...	1015.6	+6	NNW	3	c	57	95	7	5	7	-	9	9+	1500	0	*
	Boscombe Down	1015.7	+8	NNW	2	o	52	95	6	5	-	-	10	10	1500	0	*
	Calshot,(S'thmtn)	1014.9	+12	NNW	3	bc	58	85	6	-	-	2	0	4-6	-	0	1
	Dungeness ...	*	*	SE	1	bc	*	*	6	7	-	*	4-6	4-6	2500	*	0
	Lympne ...	1015.0	-2	-	0	c	62	65	8	-	5	6	0	7-8	-	0	*
2	Shoeburyness	1015.3	+6	NW	1	bc	55	95	6	1	7	6	Tr.	4-6	4000	0	*
	Felixstowe ...	1015.2	+4	N'E	1	bc	57	75	7	-	5	4	0	4-6	-	0	0
	Gorleston ...	1015.4	+4	ESE	1	c	53	85	6	-	4	-	0	7-8	-	0	2
	Cranwell ...	1015.8	+12	WNW	1	c	58	85	6	5	7	-	2-3	10	5700	0	*
3	Birmingham ...	1016.6	+8	NW	2	bc	54	75	6	-	-	2	0	4-6	-	0	*
	Upper Heyford	1016.0	+14	NNW	2	c	57	85	6	5	-	2	9	9	800	0	*
4	Ross-on-Wye ...	1016.3	+8	W	1	bc	51	85	8	-	-	8	0	2-3	-	0	*
5	Portland Bill...	1015.8	+6	WNW	2	c	55	85	7	2	-	-	7-8	7-8	2500	0	2
	Plymouth ...	1016.5	+6	NW	2	3o	49	95	6	5	-	-	9+	9+	4150	1	0
	The Lizard ...	1016.4	+4	NE	2	3	52	95	3	5	-	-	10	10	800	1	1
	Scilly(St.Mary's)	1015.8	+4	-	0	bc	53	95	7	5	-	2	1	4-6	4000	0	1
	Guernsey ...	1016.1	+10	NNW	2	m	53	95	4	8	-	-	10	10	1500	0	2
6	Pembroke ...	1017.6	+8	SSW	1	c	53	95	6	5	7	-	4-6	7-8	2500	1	1
7	Holyhead ...	1016.0	+18	SW	2	id.	51	95	7	5	-	-	10	10	450	1	0
	Chester (Sealand)	1016.3	+12	SSE	1	bc	53	85	7	-	-	4	0	1	-	1	*
8	L'pool (Bidston)	1016.6	+14	-	0	b	53	75	9	-	-	8	0	Tr.	-	1	*
9	Harrogate ...	1015.8	+10	WSW	2	bc	56	65	7	-	-	2	0	2-3	-	1	*
10	Spurn Head ...	1015.4	+4	SSW	1	bc	55	85	6	-	7	9	0	4-6	-	0	1
	Catterick ...	1016.0	+16	ENE	1	c	54	85	8	-	4	2	0	7-8	-	1	*
	Tynemouth ...	1014.4	+14	-	0	bc	55	85	5	4	6	1	4-6	4-6	4000	0	1
11	Inchkeith ...	1015.1	+20	SW	2	c	52	95	7	5	-	-	7-8	7-8	2500	1	2
	Leuchars ...	1015.2	+20	SW	1	bc	56	95	7	2	3	-	1	2-3	2500	1	*
12	Renfrew(Abbotts L)	1015.4	+16	E'S	1	c	52	95	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1015.7	+14	S	1	id.	49	95	6	5	-	-	10	10	460	1	*
13A	Tiree	1013.5	+20	SSE	2	bc	53	95	7	8	3	9	1	4-6	2500	1	2
13B	Stornoway ...	1011.6	+10	S	1	bc	52	95	8	8	6	-	2-3	4-6	2500	1	1
15	Dalwhinnie ...	1015.8	+24	W	1	bc	54	75	8	4	-	-	2-3	2-3	2500	0	*
	Aberdeen ...	1014.8	+12	-	0	bc/pr	54	95	6	8	9	1	4-6	4-6	4000	1	1
	Wick	1013.5	+14	SSW	2	c/r	52	95	7	8	1	-	7-8	9	1500	1	2
16	Lerwick ...	1015.6	+14	S	3	c	49	95	5	5	1	-	4-6	7-8	1500	0	*
17	Blacksod Point	1012.7	+14	S	3	bc	55	85	8	2	-	-	2-3	2-3	1500	0	2
18	Malin Head ...	1013.6	+14	SW	3	bc	53	85	7	4	5	3	Tr.	4-6	1500	1	1
	Aldergrove ...	1015.0	+12	SSW	2	c	53	85	7	-	-	6	0	7-8	-	1	*
	Donaghadee ...	1015.1	+16	S	1	f	50	95	3	5	-	-	10	10	800	0	0
19	Birr Castle ...	1013.7	+12	SSE	1	c	48	95	8	-	-	8	c	7-8	-	1	*
20	Valentia Obsy.†	1014.2	+12	-	0	bc	53	85	8	8	4	-	4-6	4-6	1500	1	1
	Roches Point...	1015.1	+12	SW	3	c	54	85	8	5	-	-	7-8	7-8	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 24h Hrs. (36)
1	London (Kew)...	71	52	43	—	-	12.2
	Croyden ...	71	50	44	—	-	11.2
	S. Farnborough	71	51	42	—	-	10.7
	Winchester ...	67	48	44	—	-	10.4
	Boscombe Down	68	50	48	—	-	9.8
	Calshot,(S'thmtn)	63	53	49	—	-	10.9
	Dungeness ...	67	44	*	—	-	*
	Lympne ...	67	51	41	—	-	12.2
2	Shoeburyness	69	45	37	—	-	11.3
	Felixstowe ...	62	47	43	—	-	11.8
	Gorleston ...	58	50	46	—	-	11.9
	Cranwell ...	74	55 50	46	—	-	9.0
3	Birmingham ...	70	51	48	—	0.2	4.9
	Upper Heyford	70	52	44	—	-	*
4	Ross-on-Wye ...	73	47	36	—	-	5.6
5	Portland Bill...	58	50	*	—	-	*
	Plymouth ...	57	47	37	1	0.1	0.0
	The Lizard ...	58	49	*	5	Tr.	
	Scilly(St.Mary's)	59	50	*	4	Tr.	6.7
	Guernsey ...	70	50	50	—	-	10.5
6	Pembroke ...	55	49	*	7	Tr.	2.8
7	Holyhead ...	58	50	48	1	0.5	0.9
	Chester (Sealand)	71	43	37	1	3	1.5
8	L'pool (Bidston)	69	49	45	7	5	1.2
9	Harrogate ...	71	54	52	—	-	4.6
10	Spurn Head ...	60	51	*	—	-	3.6
	Catterick ...	71	52	49	-	0.2	2.0
	Tynemouth ...	58	51	49	—	-	*
11	Inchkeith ...	63	50	46	0.5	6	0.0
	Leuchars ...	67	50	45	0.4	5	1.1
12	Renfrew(Abbotts L)	61	50	45	Tr	0.1	0.0
	Eskdalemuir ...	65	47	45	1	3	4.2
13A	Tiree	55	47	41	2	0.2	0.5
13B	Stornoway ...	58	48	*	1	-	0.2
15	Dalwhinnie ...	61	40	32	-	-	1.0
	Aberdeen ...	55	49	48	-	1	0.0
	Wick	53	48	*	Tr	-	1.4
16	Lerwick ...	51	48	*	—	-	
17	Blacksod Point	58	51	*	1	-	*
18	Malin Head ...	62	45	*	0.5	-	0.7
	Aldergrove ...	60	46	41	3	Tr.	0.3
	Donaghadee ...	55	46	*	6	-	*
19	Birr Castle ...	64	44	33	0.4	-	4.7
20	Valentia Obsy.†	61	50	46	—	2	11.0
	Roches Point...	59	52	*	1	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h-18h.

	Height above M.S.L. in feet.	Weather 24 hrs, ended 9h. Morning.	Weather 24 hrs, ended 9h. Afternoon.	Weather 24 hrs, ended 9h. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	bcy	bcycy	cybcmc	71	52	43	-	-	12.2	*	*	4
Croydon	217	cbyV	bccy	bcy3bc	71	50	44	-	-	11.2	*	*	4
Greenwich (Royal Observatory) ...	149	bcy	bcy	bcwy	73	48	36	-	Tr.	10.6	35	52	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	54	49	—		11.8	31	51	*
‡Regents Pk. (Botanic Gardens) ...	166	*	*	*	73	53	49	—		12.0	80	59	
Camden Square	110	b	bbc	*	75	53	47	-	-	*	*	57	*
Kensington	80	bc	bc	*	72	53	44	-	-	11.7	At 18h. 35	56	*
Hampstead Observatory	450	bc	bc	bc	70	53	43	-	-	11.4	*	56	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 21st

South Kensington. Max.	Time.	Min.	Time.
0.6	3-6pm 21st	Nil	8-20h 20th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	21st 7h	<0.1	20th 13h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. MAY 20th Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. MAY 21st Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1013.7	SE	2	bc	72	1014.9	-	0	c	55
Brussels	1016.4	ENE	3	b	70	1015.6	SE	3	c	63
Berlin						1023.0	SE	1	b	63
Zürich	1017.0	ENE	3	b	66	1019.2	ENE	1	b	50
Rome						1018.3	NW	1	bc	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
73	48	-	-
73	52	-	-
-	48	-	-
72	43	-	-
	45		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort. No.	Statute m/h.	Beaufort. No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 22nd May 1933.

No. 26.11.4

OBSERVATIONS at 13h. G.M.T. 21st May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1015·3	-4	NE	2	c	72	48	6	-	3	-	0	9+	-
	Croydon	1015·0	-6	SE'E	2	c	72	48	7	-	7	-	0	9+	-
	S. Farnborough	1015·3	0	-	0	c	72	48	7	7	7	-	7-8	9+	5700
	Winchester	1015·6	-2	-	0	c	69	48	7	5	2	-	9	10	4000
	Boscombe Down	1015·6	+2	NNW	2	c	65	78	7	7	-	-	9+	9+	2500
	Calshot, S'thmtn	1015·8	+6	S'W	2	c	63	78	7	4	-	-	10	10	5700
	Dungeness	*	*	SSW	1	c	*	*	6	5	8	*	4-6	7-8	2500
	Lympne	1015·5	-2	S'W	2	c	69	68	7	1	-	6	Tr	9	4000
2	Shoeburyness	1015·9	+4	E	3	c	64	78	6	-	7	6	0	9	-
	Felixstowe	1016·2	+2	ENE	2	c2o	60	68	6	-	-	6	0	7-8	-
	Gorleston	1016·6	+4	E	2	c	57	78	6	-	7	2	0	7-8	-
	Cranwell	1016·5	+2	ESE	1	c	72	55	6	1	-	6	4-6	9+	4000
3	Birmingham	1016·5	+2	W	1	bc	66	48	8	1	-	2	1	4-6	4000
	Upper Heyford	1016·2	-2	NNE	1	c	69	58	7	8	3	2	9	9+	2500
4	Ross-on-Wye	1016·1	0	E'N	2	bc	66	48	9	1	-	2	1	4-6	4000
5	Portland Bill	1016·2	+6	W	3	c	58	85	7	5	8	-	10	10	2500
	Plymouth	1016·9	-2	S'W	3	c	58	85	8	8	-	6+	2-3	7-8	2500
	The Lizard	1017·8	+2	SSW	1	c	59	85	7	8	4	-	7-8	7-8	2500
	Scilly (St. Mary's)	1018·0	+6	NW'W	1	c	58	85	7	3	-	5	4-6	7-8	2500
	Guernsey	1017·1	0	NW'N	2	c	57	85	7	8	-	-	10	10	2500
6	Pembroke	1018·2	+6	SW	1	bc	58	85	7	7	4	3	1	4-6	4000
7	Holyhead	1018·2	+14	WNW	3	c	57	85	7	2	-	6	1	7-8	2500
	Chester (Sealand)	1017·7	+6	NNW	3	bc	63	65	6	1	-	2	Tr	4-6	4000
8	L'pool (Bidston)	1018·4	+8	N	2	bc	56	85	8	7	-	4	1	4-6	4000
9	Harrogate	1016·3	0	S	1	bc	68	55	7	1	-	-	2-3	2-3	4000
10	Spurn Head	1016·6	+4	ENE	2	c	63	75	7	5	1	8	2-3	7-8	1500
	Catterick	1016·6	+2	S	1	bc	70	55	7	7	-	1	4-6	4-6	4000
	Tynemouth	1017·3	+14	NE	1	bc	55	85	7	4	-	-	2-3	2-3	4000
11	Inchkeith	1017·4	+8	SE	1	bc	65	55	8	2	4	-	2-3	2-3	4000
12	Leuchars	1017·0	+10	ESE	2	bc	66	65	8	2	-	-	2-3	2-3	2500
	Renfrew (Abbotts'l)	1017·2	+6	SW	2	bc	65	48	8	1	-	-	2-3	2-3	4000
	Eskdalemuir	1017·0	+6	SSW	2	bc	62	65	8	2	-	1	2-3	4-6	4000
13a	Tiree	1018·0	+22	SSE	2	bc	59	85	8	2	-	2	1	2-3	4000
13a	Stornoway	1015·5	+16	S	2	c	57	85	7	8	4	1	4-6	7-8	1500
15	Dalwhinnie	1017·1	+14	W	1	bc	63	55	8	4	-	3	2-3	4-6	2500
	Aberdeen	1017·4	+14	SE'E	3	bc	62	75	7	3	4	1	1	2-3	4000
	Wick	1017·7	+20	S	1	bc	55	95	7	5	-	8	2-3	4-6	1500
16	Lerwick	1018·7	+10	S	2	c	49	95	5	5	7	-	4-6	9	1500
17	Blacksod Point	1015·7	+6	S	3	bc	59	78	8	2	-	-	2-3	2-3	1500
18	Malin Head	1017·0	+10	ENE	2	c	55	75	8	2	-	9	7-8	7-8	2500
	Aldergrove	1017·4	+12	SSW	1	c/pr	61	68	8	9	-	1	9	9	2500
	Donaghadee	1017·9	+14	S	2	f	52	95	3	5	-	-	10	10	800
19	Birr Castle	1016·2	+6	SSE	1	c	64	55	8	8	-	-	7-8	7-8	2500
20	Valentia Obsy.	1017·4	+14	WSW	3	bc	58	78	8	8	-	-	4-6	4-6	2500
	Roches Point	1017·1	+18	SW	3	bc	59	85	8	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 21st May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1015·6	0	N	3	c	69	45	7	-	7	6	0	7-8	-	0	*
1015·2	0	NE'N	2	c	70	55	7	-	7	5	Tr	7-8	2500	0	*
1015·9	-2	W'N	1	c	64	75	6	5	9	3	1	7-8	5700	1	*
1015·8	0	-	0	c	65	75	8	5	1	-	9	10	5700	0	*
1016·0	+2	NW'N	2	c/r	60	95	6	8	2	-	7-8	10	1500	0	*
1015·8	0	-	0	c	60	85	7	5	7	8	4-6	9	4000	0	0
*	*	WSW	1	bc	*	*	6	5	9	*	2-3	4-6	800	*	1
1016·6	0	E'N	1	bc	65	55	6	-	-	1	0	4-6	-	0	*
1015·9	0	ENE	2	c	62	75	6	-	4	6	0	7-8	-	0	*
1016·2	0	NNE	3	bc	65	55	8	-	-	8	0	4-6	-	0	1
1016·9	0	NNE	2	bc	58	75	6	-	7	2	0	4-6	-	0	1
1017·3	+6	-	0	r	64	75	7	5	2	-	7-8	10	5700	0	*
1016·8	+2	N	2	c	65	45	8	6	1	-	2-3	10	2500	0	*
1016·6	+2	NNE	2	c	63	75	7	8	7	-	7-8	9+	4000	0	*
1016·5	0	NW	1	c	65	65	9	4	1	-	1	10	4000	0	*
1016·4	+4	W'N	3	c/pr	61	95	7	5	-	-	10	10	2500	0	3
1017·0	+2	NW	4	c/pr	61	65	8	8	-	6	4-6	9	2500	1	2
1018·0	0	NW	2	bc	61	75	8	8	4	-	4-6	4-6	4000	1	2
1018·9	+4	N'E	2	bc	57	85	8	2	-	-	4-6	4-6	4000	0	1
1016·9	-2	NW	2	c	56	75	7	5	3	-	10	10	4000	0	2
1018·5	+2	WNW	2	c	57	75	6	5	7	-	4-6	7-8	4000	0	2
1018·9	+6	NNW	2	r	49	95	2	-	-	8	0	4-6	-	0	0
1018·6	+6	NW'W	4	c	55	85	6	-	-	8	0	9+	-	0	*
1018·9	0	NW	2	c	53	95	8	5	-	8	2-3	9	2500	0	*
1017·2	+6	SE	3	cr	62	85	5	6	1	7	7-8	10	4000	1	*
1017·1	+2	E	2	c	55	85	6	5	2	4	2-3	7-8	1500	0	1
1017·2	+6	NNE	2	c	65	75	6	1	-	7	Tr	10	4000	0	*
1018·4	+6	NE	2	c	53	95	7	4	-	-	7-8	7-8	4000	0	1
1018·3	0	NE	2	c	60	65	8	8	4	9	4-6	7-8	4000	0	1
1017·8	+4	SE	2	c	61	65	8	1	-	1	Tr	7-8	2500	0	*
1018·1	+6	WNW	3	bc	64	55	9	1	-	1	1	2-3	4000	0	*
1017·5	+2	-	0	bc	65	45	8	2	3	4	1	4-6	4000	1	*
1019·4	+8	NW	1	b	54	85	9	1	-	2	Tr	1	4000	0	2
1017·6	+12	ENE	3	bc	57	75	8	8	9	-	2-3	4-6	1500	1	1
1017·7	+4	W	1	bc	65	45	8	4	-	3	4-6	4-6	2500	0	*
1018·6	+6	SE	2	bc	60	75	7	-	8	4	0	2-3	-	0	1
1019·7	+12	ENE	2	bc	55	85	7	5	1	6	2-3	4-6	2500	0	2
1020·5	+8	S'W	2	c	50	95	5	5	3	-	4-6	7-8	1500	0	*
1018·3	+6	W	3	bc	57	75	8	1	-	-	2-3	2-3	2500	0	2
1019·6	+8	W	3	r	53	95	7	9	8	-	9	9+	1500	1	1
1018·4	+6	E	2	c	60	75	8	8	-	6	2-3	7-8	4000	1	*
1018·7	+6	SS#	1	c	56	85	7	8	3	-	4-6	7-8	1500	0	0
1017·8	+10	SSE	1	c/pr	59	75	8	3	-	-	9	9	2500	1	*
1019·4	+8	W'S	2	bc	57	75	8	2	-	-	2-3	2-3	2500	1	1
1018·5	+6	SW	3	bc	57	85	8	8	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 21st. (37)	13h.–18h. 21st. (38)	18h. 21st to 1h. 22nd (39)	1h.–7h. 22nd. (40)
cmoy	cbcy	bcyb	bbcmo
cm2oy	cybpobc	cbc	bbcmo
bc2o bcc	cuRroc	c3obc	bcbwmo
c	cproc	c	cbcmo
omoc	cpr6r6	cur6bc	bc
bcmoc	cpr6c	cmo	cmo
c	bc	*	bc
bcc	cbcy	bcyb	bbc
cmo	cmo	bcwy	bcw
bc2o	cbcy	bcyb	bc3o
cbc2o2o	cbc2o2o	bcb3o3o	bc3o
c2o	c2ocr6	c	cbw
bc	bcc	cpr6	cbc
cmoy	cmoyt6	bbc	bcbbcw
bbcy	cbrycby⊕	crcpor	rcc
c	c	c	corr3o
cmo	cpr	cbc	c
fbcc	cpr6	bcw	bcw
fbcc	cbc	bcb	bbc
omic	cobc	corr	orroc
emobc	bc2oc	ewb cbcw	cmowbc
ocbc	if	ffmbmw	fw
bbc2o	bcc	cmom	dwr6
bbvbc	bcbvc	ccw	cw
bbc	bccjf	cojfRR	bcc
bcc	c	bcw	bcw
cbybcy	bcyc2o	c3opr6t	c3obw3o
bc	bcc	co	pbc
cbc	bcc	cbc	bc
bc	bcyc	cbcmo	bccmw
cwbcb	bbcby	bwrbc	bccmw
cid6bc	bcbcy	bcyc	ccw
bc	bc	bbcw	bw
bcc	cbc	bc	bc
b	bc	*	bc
bc2ob	bbc	bc	bccw
cmobc	bc	bcm	mo FF
cmo	cpr m6	cbccm	cufome
bc	bc	bc	bc
bcc	cpcct	cpr	cprbc
bccbr6	cpr6	cb	bw
off	occfbc	bcmo	bc
cy	cpr	prbc	bca
bcbc	bc	bcbw	bwb
cbc	bc	bcbw	bbcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

§ The observations entered in 18h Section (Cols. 15-30) refer to 17h. in this report.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s6, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s6/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus,
R, heavy rain. r6, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tuft.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

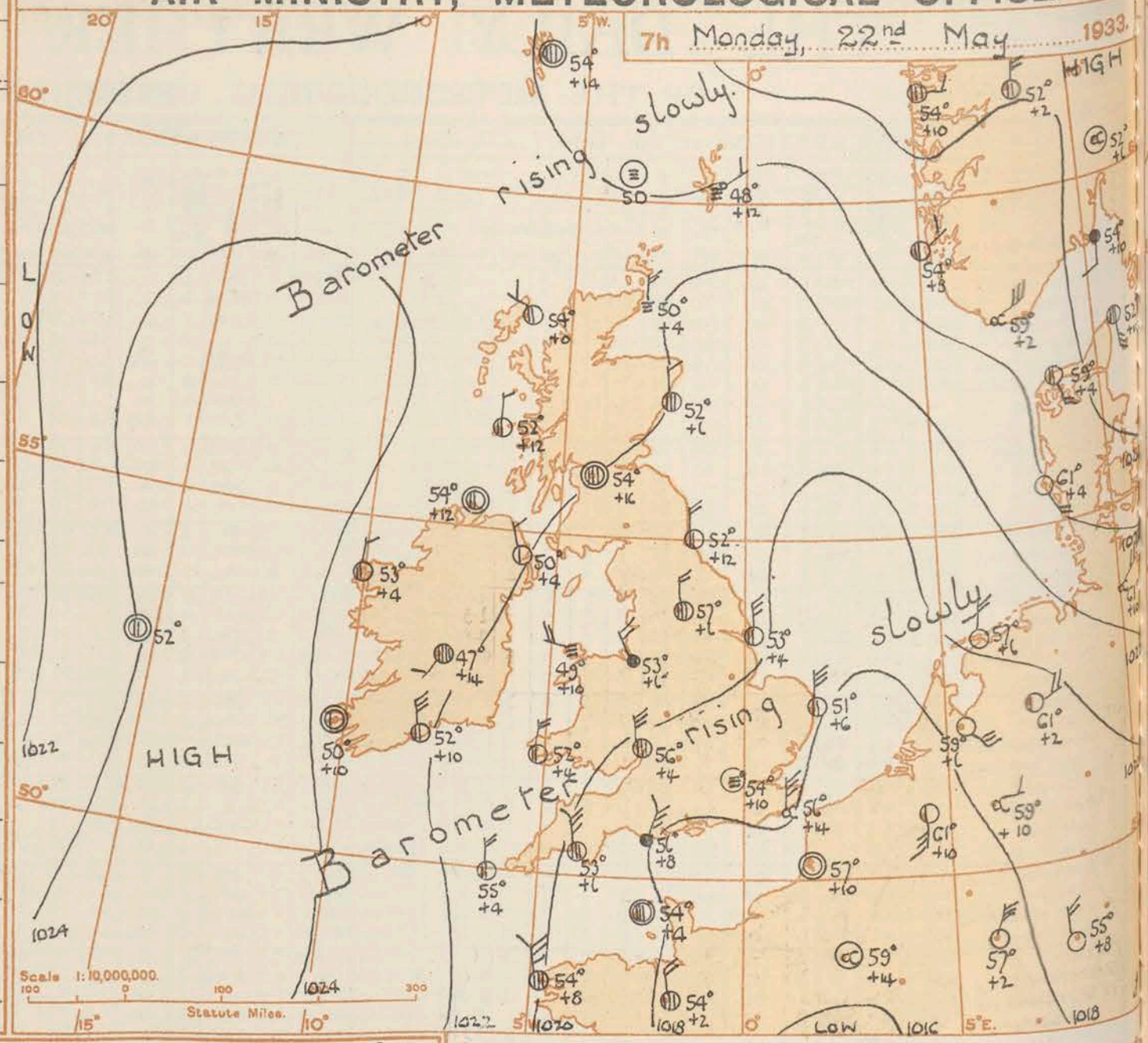
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for... 21st May ..... 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 20th to 9h. 21st.	Temperature. Max. 9h.—17h. 21st.	Rainfall. Night. 17h. 20th to 9h. 21st.	Rainfall. Day. 9h.—17h. 21st.	Sunshine. Sunrise to 17h. 21st.	Sunshine. Sunrise to Sunset. 20th.
1	Tunbridge W.	cbc	bcc	45	74	-	-	5·0	10·2
	Bournemouth	bc	or	52	68	-	0·3	4·7	11·4
	Ventnor ...	cbc	orc	53	63	-	Trace	3·7	11·4
	Southsea ...	c	cbc	53	70	-	Trace	3·4	10·5
	Bognor Regis	bbccc	ecbcc	55	71	-	-	2·1	11·0
	Littlehampton	bcc	cbc	52	66	-	-	1·6	11·8
	Worthing ...	bcc	c	54	70	-	-	3·1	12·1
	Brighton ...	bco	ocbc	53	71	-	-	5·1	11·1
	Eastbourne†	oc	cbccy	51	69	-	-	4·0	10·7
	Hastings† ...	cbcb	bbcc	55	71	-	-	5·3	11·6
	Folkestone ...	bc	bc	50	68	-	-	9·2	12·0
	Dover... ...	bc	bcy	48	71	-	-	10·7	13·2
	Deal	bbc	bbc	47	67	-	-	10·1	11·4
	Ramsgate ...	b	b	53	66	-	-	10·3	13·2
	Margate ...	bc	bc	52	61	-	-	10·8	13·1
2	Southend ...	bcc2	crc2	51	69	-	-	5·9	10·6
	Maldon ...	bcc	cbcc	46	69	-	-	4·5	10·2
	Clacton-on-Sea	bc	bc	51	64	-	-	9·2	11·1
	Dovercourt ...	bc	bc	49	65	-	-	8·0	11·4
	Lowestoft ...	bc	bc	48	62	-	-	9·2	12·7
	Skegness ...	bc	bco	50	63	-	-	4·7	11·6
	Mablethorpe	c	bcc	47	60	-	-	2·4	9·9
	Cleethorpes...	bbc	bcc	48	65	-	-	4·4	9·9
3	Leamington S.	bco	co	56	70	-	-	5·1	7·2
4	Cheltenham†	bwbc	bcc	50	69	-	-	8·2	8·9
5	Bath	bbc	bccr	51	69	Trace	0·3	7·1	8·5
	Weymouth ...	bc	bc	50	71	-	-	7·4	8·0
	Jersey ...	c2	c	52	58	-	-	6·0	11·3
	Torquay ...	pc bc	bccc	45	63	Trace	-	5·2	3·7
	Penzance ...	ccpcb	pcbcb	47	61	-	Trace	5·9	4·3
	St. Ives ...	bc	bc	50	61	-	-	8·0	4·6
	Bude	bcc	cbc	47	59	Trace	-	9·0	0·5
	Ilfracombe ...	bcb	b	50	63	-	-	8·5	2·2
6	Aberystwyth	cicc	cbc	48	59	1	-	6·5	4·2
7	Llandudno ...	bbc	bc	48	61	0·2	-	10·4	0·0
	Colwyn Bay...	bbbc	bbccc	50	60	-	-	9·7	0·0
	Rhyl								
8	Wallasey ...	b	bbc	48	60	7	-	11·5	1·5
	Southport‖ ...	bc	bcc	47	61	4	-	10·5	1·9
	Blackpool ...	cbc	bcm	48	59	3	-	6·9	1·7
	Morecambe ...	bcec	b	49	60	7	-	6·0	3·3
9	Ilkley... ...	bc	bc	54	71	-	-	7·8	1·0
10	Berwick-on-T.	bc	bc	50	60	10	-	11·3	0·0
11	Dunbar ...	rbc	bc	51	61	1	-	11·6	0·0
12	Troon... ...	bcbcb	b	48	58	Trace	-	10·8	0·0
	Douglas ...	cm,cb	bcbcm	48	61	-	-	5·9	0·2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◎ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 3/10 to 7/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. • Rain falling. * Snow. ✱ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. ⊏T Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Light north or northeast wind; mainly fair or fine but chance of local thundery rain or showers; warm inland.
6. South Wales 7. North Wales 8. N.W. England	Light northerly or variable wind; fair or fine; rather warm.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Light northerly wind; fair but perhaps local thundery showers; rather warm inland.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N.W. Scotland.} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light north or northeast or variable wind; fair; rather warm.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light northerly or variable wind; fine or fair; rather warm.

GENERAL INFERENCE.

An anticyclone is situated to west and southwest of Ireland and is connected by a ridge of high pressure to an anticyclone over Northern Norway. Shallow depressions are situated over the Western Mediterranean and France. Weather will be fair generally apart from a tendency to local thunder in the southeastern half of the Kingdom.

FURTHER OUTLOOK.

Fair apart from chance of local thunderstorms in the Southeastern area.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. P9755/2573 Wt. 47, 0. 6001 Gp. 369. 23560. 5/33

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
MONDAY,
22ND MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 22nd May 1933.

No. 21.11.4

OBSERVATIONS at 1 hr. G.M.T. 22nd May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017.4	+4	-	0	bc	52	88	7	-	7	-	0	2.3	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017.9	+4	N'E	3	b	54	75	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1017.9	0	NW'N	2	bc	51	95	6	-	-	1	0	2.3	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1017.5	0	NNW	3	c	56	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1019.8	+2	NNW	3	bc	50	95	8	7	-	1	2.3	2.3	2500 4000
	Scilly (St. Mary's)	163	1020.9	+4	NNW	3	b	52	95	8	-	-	-	0	0	-
	Guernsey ...	175	1017.9	0	NNW	1	rc	53	95	7	6	-	-	10	10	2500
6	Pembroke ...	142	1020.3	+6	NW	2	bc	51	95	7	1	4	1	1	4.6	4000
7	Holyhead ...	26	1020.3	+4	NNW	2	bc	49	95	6	5	-	-	Tr	Tr	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019.0	+4	N	3	bc	50	95	6	5	-	-	4.6	4.6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1019.5	+12	-	0	0	52	95	7	5	-	-	10	10	1500
11	Inchkeith ...	190	1021.1	+10	NE	1	bc	54	85	7	5	-	-	4.6	4.6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1020.7	+10	-	0	bc	47	95	8	8	6	-	2.3	4.6	2500
15	Dalwhinnie §.	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022.5	+10	NW	1	bc	50	95	6	5	3	8	4.6	4.6	1500
16	Lerwick ...	54	1023.1	+10	N'E	2	c	47	95	6	5	-	-	9	9	1500
17	Blacksod Point	18	1021.4	+8	W	1	b	46	95	8	1	-	-	Tr	Tr	2500
18	Malin Head ...	52	1021.1	+6	-	0	r	51	95	7	6	-	3	4.6	7.8	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1022.5	+14	-	0	b	51	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 22nd May

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1018.9	+12	N'E	1	bc	58	65	6	-	3	-	0	4.6	-	0	*
	Croydon ...	1018.5	+10	-	0	cm	54	85	4	-	4	-	0	7.8	-	0	*
	S. Farnborough	1018.5	+4	-	0	b	58	75	6	-	3	-	0	!	-	0	*
	Winchester ...	1018.5	+8	N	3	bc	58	85	6	-	4	1	0	4.6	-	0	*
	Boscombe Down	1018.8	+12	NNW	2	bc	58	85	6	-	-	6	0	7.8	-	0	*
	Calshot (S'thmtn)	1018.1	+10	NW	3	bc	59	75	6	-	4	8	0	4.6	-	0	1
	Dungeness ...	*	*	NNW	2	bc	*	*	6	5	4	*	4.6	7.8	1500	*	2
	Lympne ...	1018.4	+14	N	3	c3	56	85	6	5	3	-	9	9+	5700	0	*
2	Shoeburyness	1018.2	+14	NNE	2	bc	58	75	7	-	3	-	0	Tr	-	0	*
	Felixstowe ...	1018.1	+8	N'E	2	bc	59	75	6	0	8	1	0	2.3	-	0	1
	Gorleston ...	1018.8	+6	N'E	3	bc	51	85	6	-	6	-	0	2.3	-	0	1
	Cranwell ...	1021.2	+14	NNW	1	b	52	95	6	-	-	-	0	0	-	0	*
3	Birmingham ...	1020.5	+6	NNW	2	bc3	57	85	5	-	3	-	0	4.6	-	0	*
	Upper Heyford	1019.6	+10	NW	1	bc3	56	85	5	-	3	9	0	4.6	-	0	*
4	Ross-on-Wye ...	1019.7	+4	N'W	3	c	56	85	7	-	1	9	0	9	-	1	*
5	Portland Bill...	1018.0	+8	NNE	4	rr	56	95	6	5	-	-	10	10	1500	1	3
	Plymouth ...	1019.6	+6	NW	4	c	53	85	7	5	-	-	9+	9+	5700	1	1
	The Lizard ...	1020.0	+0	N'W	4	bc	54	95	8	7	-	-	4.6	4.6	4000	0	2
	Scilly (St. Mary's)	1021.6	+4	N'W	2	bc	55	85	8	2	-	1	1	2.3	4000	0	1
	Guernsey ...	1018.8	+4	-	0	c	54	95	7	8	3	-	4.6	9	2500	1	2
6	Pembroke ...	1020.1	+4	N	2	bc	52	95	7	7	4	1	2.3	4.6	5700	1	1
7	Holyhead ...	1021.3	+10	WNW	2	cf	49	95	6	-	7	1	0	4.6	7200	0	0
	Chester (Sealand)	1021.3	+6	NWW	2	cf	53	85	6	5	1	-	1	10	800	1	*
8	L'pool (Bidston)	1021.6	+4	NNW	1	c	51	95	7	5	1	-	4.6	10	2500	0	*
9	Harrogate ...	1020.8	+6	NNW	2	c	57	85	5	-	3	-	0	7.8	2500	1	*
10	Spurn Head ...	1020.2	+4	NNE	3	bc	53	95	6	5	-	9	2.3	2.3	1500	0	1
	Catterick ...	1021.5	+12	NNW	2	b3	58	85	5	-	-	-	0	Tr	-	0	*
	Tynemouth ...	1021.3	+12	NNW	2	bc	52	85	6	5	3	-	2.3	4.6	800	0	1
11	Inchkeith ...	1022.6	+16	NE	1	c	52	95	6	5	-	-	10	10	1500	0	1
	Leuchars ...	1022.0	+10	-	0	c3	52	95	5	-	3	9	0	9+	-	0	*
12	Renfrew (Abbotts I.)	1022.0	+16	ENE	1	c	54	85	6	5	-	1	7.8	7.8	5700	0	*
	Eskdalemuir ...	1021.6	+10	NNE	2	c	56	86	8	-	3	2	0	7.8	-	1	*
13A	Tiree	1023.0	+12	N	1	bc	52	95	7	-	5	2	1	2.3	-	0	1
13B	Stornoway ...	1021.7	+0	WNW	1	bc	54	85	8	8	6	-	2.3	4.6	2500	0	1
15	Dalwhinnie §.	1023.9	+10	-	0	c	52	85	7	4	4	-	7.8	10	1500	0	*
	Aberdeen ...	1022.9	+6	NW	1	c	52	95	7	3	7	-	2.3	9+	4000	1	1
	Wick	1022.9	+4	N	2	f	50	95	1	5	-	-	10	10	450	0	2
16	Lerwick ...	1024.4	+12	ENE	1	cm	48	95	4	5	-	-	10	10	450	0	*
17	Blacksod Point	1023.0	+4	N	1	bc	53	85	8	1	-	-	2.3	2.3	800	0	1
18	Malin Head ...	1022.3	+12	-	0	bc	54	85	8	7	-	-	2.3	2.3	1500	0	1
	Aldergrove ...	1022.1	+4	NW	1	b	50	85	7	-	-	1	0	Tr	-	1	*
	Donaghadee ...	1022.7	+10	NNE	1	bc	55	86	7	8	3	-	2.3	4.6	2500	0	0
19	Birr Castle ...	1022.9	+14	SW	1	c	47	95	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1023.4	+10	-	0	b	50	95	8	1	-	-	1	1	1500	1	1
	Roches Point...	1022.1	+10	NW	3	bc	52	85	8	3	-	-	2.3	2.3	2500	0	2

PAST 24 HOURS.

District	Stations	Temperature. Msx. Day 7h-18h °F. (31)	Min. Night 18h-7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 24 hr. Hrs. (36)
1	London (Kew)...	72	52	39	-	-	~~3.5~~
	Croydon ...	73	48	42	0.1	-	4.4
	S. Farnborough	73	46	36	Tr	-	3.0
	Winchester ...	69	51	47	Tr	-	4.1
	Boscombe Down	67	53	51	Tr	Tr	2.0
	Calshot (S'thmtn)	68	55	52	Tr	-	2.9
	Dungeness ...	69	48	*	-	-	*
	Lympne ...	69	50	47	-	-	11.4
2	Shoeburyness	69	48	38	-	-	7.5
	Felixstowe ...	65	48	45	-	-	10.1
	Gorleston ...	59	49	46	-	-	9.1
	Cranwell ...	73	46	42	Tr	-	2.5
3	Birmingham ...	68	51	48	-	Tr	6.6
	Upper Heyford	70	52	49	-	-	*
4	Ross-on-Wye ...	68	52	51	-	2	8.7
5	Portland Bill...	60	55	*	-	3	7.6
	Plymouth ...	62	51	45	-	-	*
	The Lizard ...	62	49	*	Tr	Tr	*
	Scilly (St. Mary's)	62	51	*	-	-	9.3
	Guernsey ...	58	52	52	-	2	0.9
6	Pembroke ...	59	47	*	-	0.1	10.5
7	Holyhead ...	58	44	36	-	-	6.6
	Chester (Sealand)	64	47	43	-	Tr	10.6
8	L'pool (Bidston)	58	47	47	-	-	11.3
9	Harrogate ...	68	52	50	-	8	6.8
10	Spurn Head ...	65	48	*	-	Tr	5.7
	Catterick ...	71	52	50	-	Tr	9.3
	Tynemouth ...	61	50	49	-	-	*
11	Inchkeith ...	66	50	41	-	-	9.1
	Leuchars ...	68	47	40	-	-	10.4
12	Renfrew (Abbotts I.)	67	49	46	-	-	10.7
	Eskdalemuir ...	67	50	47	Tr	-	7.8
13A	Tiree	61	48	38	-	-	12.2
13B	Stornoway ...	62	45	*	-	-	14.2
15	Dalwhinnie §.	67	43	34	-	-	11.7
	Aberdeen ...	64	47	42	-	-	11.5
	Wick	57	49	*	-	-	*
16	Lerwick ...	51	46	*	Tr	-	4.3
17	Blacksod Point	59	45	*	-	-	*
18	Malin Head ...	59	45	*	0.5	2	11.3
	Aldergrove ...	64	41	34	Tr	-	10.1
	Donaghadee ...	57	47	*	-	-	*
19	Birr Castle ...	64	47	32	6m	0.6	8.1
20	Valentia Obsy.†	59	44	40	-	Tr	9.9
	Roches Point...	60	49	*	-	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather 24 hrs, ended 9h. Morning.	Afternoon.	Night.	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	cmoy	cbcy	beybbc	72	52	39	-	-	3.5	•	•	6
Croydon	217	cmoyoy	eypbbc	cbcmo	73	48	42	0.1	-	4.4	•	•	6
Greenwich (Royal Observatory) ...	149	cy	cpbcy	bcbw	74	48	35	Tr	Tr	1.7	47	51	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	2.5	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	73	54	49	-	-	2.8	61	53	•
‡Regents Pk. (Botanic Gardens) ...	168	•	•	•	75	53	46	Tr	-	3.1	73	61	*
Camden Square	110	c	ccpbc	•	74	53	46	Tr	-	•	•	52	•
Kensington	80	c	cr	•	73	52	43	0.1	-	2.1	At 18h.	53	•
Hampstead Observatory	450	bc	cp	bc	70	52	43	-	Tr	3.6	42	53	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 22nd

South Kensington. Max.	Time.	Min.	Time.
1.0	7.8h 21st	Nil	13-21h 21st

Kew Observatory. Max.	Time.	Min.	Time.
0.3	9h 21st	0.1	18h 21st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 21st May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 22nd May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.3	WNW	2	c	72	1017.7	-	0	b	59
Brussels						1017.4	S	3	b	66
Berlin	1020.5	NE	1	c	68	1021.6	N	1	bc	61
Zürich	1015.8	ENE	3	b	70	1017.4	NNW	1	b	52
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
77	50	-	-
66	52	-	-
73	52	-	-
77	46	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h. § The period referred to in Cols. 31, 32, 34 and 35 are 7h-17h and 17h-7h in this report.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 23rd May 1933.

No. 26115

OBSERVATIONS at 13h. G.M.T. 22nd May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1018.0	-6	NEE	3	b	75	45	7	1	-	-	Tr.	Tr.	4000
	Croydon	1018.8	+4	NEE	2	b	77	45	7	-	-	-	0	0	-
	S. Farnborough	1017.7	-6	ENE	2	bc	76	45	6	1	8	-	2-3	2-3	4000
	Winchester	1017.8	-8	NNE	2	bc	73	55	7	-	8	-	0	2-3	-
	Boscombe Down	1017.9	-6	NEN	1	c	72	55	6	7	4	-	7-8	7-8	4000
	Calshot, S'thmtn	1017.9	-4	SES	1	b	68	65	6	-	4	-	0	1	-
	Dungeness	*	*	E	1	b	*	*	5	1	-	*	Tr.	Tr.	1500
	Lympne	1018.4	-2	ESE	3	b	73	45	7	-	3	-	0	Tr.	-
2	Shoeburyness	1018.9	0	E	2	b	66	75	7	-	8	-	0	Tr.	-
	Felixstowe	1018.7	0	NEE	3	b	65	65	8	-	-	-	0	0	-
	Gorleston	1019.0	+2	NEN	2	b	61	75	6	-	-	-	0	0	-
	Cranwell	1020.5	-6	NE	1	bc	74	55	7	1	-	-	2-3	2-3	5700
3	Birmingham	1019.3	-4	NE	2	bc	72	35	7	2	-	-	2-3	2-3	4000
	Upper Heyford	1018.8	-6	N	2	b	74	45	7	1	-	-	Tr.	Tr.	4000
4	Ross-on-Wye	1019.0	-4	NNW	2	3o	69	65	6	-	9	-	0	7-8	-
5	Portland Bill	1018.8	0	NW	3	c	61	85	6	5	4	-	4-6	7-8	1500
	Plymouth	1019.9	0	NW	3	c	63	75	7	5	2	-	9	10	5700
	The Lizard	1020.7	+4	N'W	4	c	62	65	8	1	2	-	2-3	7-8	4000
	Scilly (St. Mary's)	1022.0	+2	N'W	4	bc	61	85	8	2	-	-	4-6	4-6	4000
	Guernsey	1019.5	0	NNW	1	bc	64	75	6	-	3	1	0	2-3	-
6	Pembroke	1020.4	+4	NNE	2	bc	62	65	7	-	7	9	0	4-6	-
7	Holyhead	1022.1	+2	NW	2	c	52	95	7	-	7	-	10	10	5700
	Chester (Sealand)	1021.4	-2	NWN	4	c	59	75	7	1	7	-	1	9	4000
8	L'pool (Bidston)	1022.0	0	NW	3	c	55	85	8	5	-	-	9	9	4000
9	Harrogate	1020.4	0	ESE	3	b	70	45	7	3	-	-	1	1	4000
10	Spurn Head	1020.4	0	NNE	4	bc	59	85	6	-	1	-	0	2-3	-
	Catterick	1020.8	-2	NE	2	b	69	55	7	1	-	-	Tr.	Tr.	5700
	Tynemouth	1021.6	+4	NNE	2	bc	54	85	7	5	-	-	4-6	4-6	1500
11	Inchkeith	1023.4	+4	ENE	2	rr	51	95	6	6	-	-	10	10	1500
12	Leuchars	1023.1	+2	ESE	3	p6	56	85	6	5	7	-	4-6	10	4000
	Renfrew (Abbotts'l)	1021.6	-6	NE	3	c	69	45	7	-	-	6	0	7-8	-
	Eskdalemuir	1021.0	-4	NE	2	c	65	65	8	2	3	8	2-3	7-8	4000
13A	Tiree	1023.5	-4	N'W	3	bc	55	85	9	1	-	5	Tr	4-6	4000
13B	Stornoway	1022.6	+2	ENE	3	fg	54	95	3	8	-	-	4-6	4-6	2500
15	Dalwhinnie	1022.7	-2	NE	2	bc	63	65	8	4	1	-	2-3	4-6	4000
	Aberdeen	1023.8	+4	ENE	3	bc	55	85	6	3	8	9	Tr.	4-6	4000
	Wick	1024.0	+2	NNE	2	bc	51	95	7	5	1	2	4-6	4-6	1500
16	Lerwick	1024.6	+4	ENE	1	c	54	85	6	5	7	-	4-6	9	1500
17	Blacksod Point	1024.1	+4	N	3	bc	58	85	8	1	-	-	2-3	2-3	1500
18	Malin Head	1023.5	+4	N	1	c	55	85	8	5	5	2	Tr.	7-8	2500
	Aldergrove	1021.8	-4	NW	3	c	66	55	9	1	4	5	4-6	7-8	4000
	Donaghadee	1022.6	0	N	1	c	56	75	7	8	3	-	4-6	7-8	2500
19	Birr Castle	1022.6	-2	S	1	c	64	65	8	8	-	2	4-6	7-8	2500
20	Valentia Obsy.	1024.1	0	NWN	4	b	58	75	9	7	-	-	1	1	2500
	Roches Point	1022.8	+6	NW	3	bc	64	65	9	8	-	-	2-3	2-3	2500

OBSERVATIONS at 18h. G.M.T. 22nd May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1018.0	+6	ESE	3	c	71	55	8	8	7	-	7-8	7-8	4000	0	*
1017.8	+6	E	2	c/pr	70	65	7	8	-	-	9	9	4000	0	*
1018.0	+4	WNW	2	b	72	55	6	8	-	-	4-6	4-6	5700	1	*
1017.9	+4	N	2	bc	66	65	7	7	-	-	2-3	2-3	4000	0	*
1017.5	-2	NE	2	bc	68	55	7	8	-	-	4-6	4-6	4000	0	*
1017.9	+2	SSW	3	b	69	55	6	1	-	-	Tr.	Tr.	2500	0	1
bc	*	SW	1	bc	*	*	5	8	-	*	2-3	2-3	1500	*	0
1018.5	0	NEE	2	bc	70	55	8	-	-	6	0	4-6	-	0	*
1018.5	-2	E	2	bc	66	75	7	-	8	6	0	4-6	-	0	*
1018.6	-2	NE	3	c	65	55	7	-	4	8	0	7-8	-	0	1
1019.1	-2	N	3	3o	61	65	6	-	5	-	0	4-6	-	0	1
1019.2	0	NEE	2	b	71	55	7	-	-	1	0	1	-	0	*
1019.2	0	NNE	3	b	65	75	6	-	3	-	0	1	-	0	*
1018.0	-4	NNE	3	bc	72	55	7	2	7	8	Tr.	2-3	2500	0	*
1019.0	0	N	3	bc	65	75	6	7	-	-	2-3	2-3	4000	0	*
1018.5	-2	WNW	3	b	60	85	6	-	-	-	0	0	-	0	2
1019.5	+2	NNW	4	c	64	75	7	8	3	8	4-6	7-8	4000	0	1
1021.2	0	N'W	4	bc	57	85	8	7	4	-	4-6	4-6	5700	0	2
1023.3	0	N'W	4	bc	57	85	8	1	-	2	1	2-3	4000	0	1
1019.4	0	NW	1	bc	59	75	7	-	3	-	0	4-6	-	0	1
1020.9	-2	NNE	2	bc	61	85	7	5	8	9	2-3	4-6	5700	0	1
1021.1	-10	NW	2	c/r	54	85	8	6	-	-	9+	9+	4000	0	0
1021.1	0	NNW	4	c	58	75	7	5	3	8	2-3	9	4000	0	*
1021.5	-2	NW	3	bc/p	56	75	8	8	-	9	4-6	4-6	2500	0	*
1019.8	0	NNE	2	b	68	55	6	1	-	-	Tr.	Tr.	4000	1	*
1020.1	0	NNE	3	bc	57	85	6	5	3	9	2-3	4-6	1500	0	2
1021.0	+6	N	1	3o	61	85	6	-	-	-	0	0	-	0	*
1021.5	0	NNE	2	bc	55	85	7	5	-	-	4-6	4-6	1500	0	1
1022.3	0	NE	2	c	52	95	6	5	-	-	10	10	1500	1	2
1022.9	-2	ENE	2	bc	52	95	6	5	3	8	Tr.	4-6	4000	1	*
1022.6	+0	E	1	ir	59	95	3	5	-	-	10	10	5700	1	*
1021.7	+6	NNE	2	ir	58	85	7	6	2	-	4-6	10	2500	1	*
1023.1	0	NWN	3	c	54	85	7	-	8	6	0	9+	-	0	2
1022.6	+4	ENE	3	f	52	95	2	5	-	-	10	10	4150	1	1
1023.4	+4	NE	1	c	56	85	8	4	2	-	4-6	10	4000	1	*
1023.6	-4	ENE	2	bc	54	85	6	-	3	-	0	4-6	-	0	1
1023.1	+2	NNE	1	c	52	85	2	5	-	-	10	10	2500	0	1
1024.1	+2	N	3	bc	56	75	8	2	-	-	4-6	4-6	2500	0	2
1023.6	0	W	2	c	55	85	8	5	3	4	2-3	9	2500	0	0
1022.1	+2	NNW	3	c/pr	59	75	8	8	7	-	9	9+	4000	1	*
1021.8	-2	N'W	1	c	54	85	7	8	3	2	4-6	7-8	2500	0	0
1022.0	0	N	1	bc	66	65	8	8	-	-	4-6	4-6	2500	1	*
1024.3	+2	NWN	4	b	58	75	9	1	-	-	Tr.	Tr.	2500	1	2
1022.2	-6	SW	3	bc	63	65	9	3	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 22nd (37)	13h.–18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.–7h. 23rd (40)
bcby	bbccy	bcmo	bcmow
cmb3oy	bybcclpc	bc3ob	bcmo,cc3o
bybc	bc,pr.t	bcbb	bbcmo
bcby	bbcty bc	bcb	bbmow
bc3o	c3obcy	bcybcb	bmo
bcy	bmo	b	bwmo.
b	bc	*	bc
cmoby	bbcy	cbmo	bbcmo
b	b	bc	bcw.
b3bcb	bybcy	bcyb	bbc3o
bcb3o	b3o3o	bc3ob	bbc
cmo3o	by	b	bwcmo
bc	bc	b c	cb
by	by	byc	cbm
c3	bcc bc	bc	bmw.
c3o	cbcb3o	b	bb3o
cpr	cpr bc	bcb	bw.
bcc	c bc	bc	bcbw.
bc	bc	bcb	b3 w.
cbcc	cbc	bcb	b3
bcq bc	bcc bc	bc	bcb
ff rc	cro	roro	roro
cro d c	c,	urrbc	bccrr
cb oc	cbcjp	bccror	ccw
cb	b	b	bbcc
bc	bc	bccbcw	bcc
b3oby	by b3o	3obwmo	mofeaf
bc	bc	bcmo	bcoff
c	orrc	co	coirorp
cwmpc	cprcmo	bcomo	cdddroc
cwbay	cyopc rin	firero	comorr
cwbcc	ctircir	cwc	curR
b	bcc	cwo	crr
bcf	bcf	om	of
bc	ir	.	iw
cwbc3o	bcb3o	bb3	bccfmw
bc	cmom	mommm	omff
oircmo	cmo	cFFe	FFe
bc	bc	bc	bc
bcc	c	c	o3
bbcv	bcc p	c	co
bcc	c	c	c
obc	bc	bc	bccf
bbcby	bv	bvbw	bwbc
bcv	bcv	bcrbw	bbcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, ,, less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
p, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⌿ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

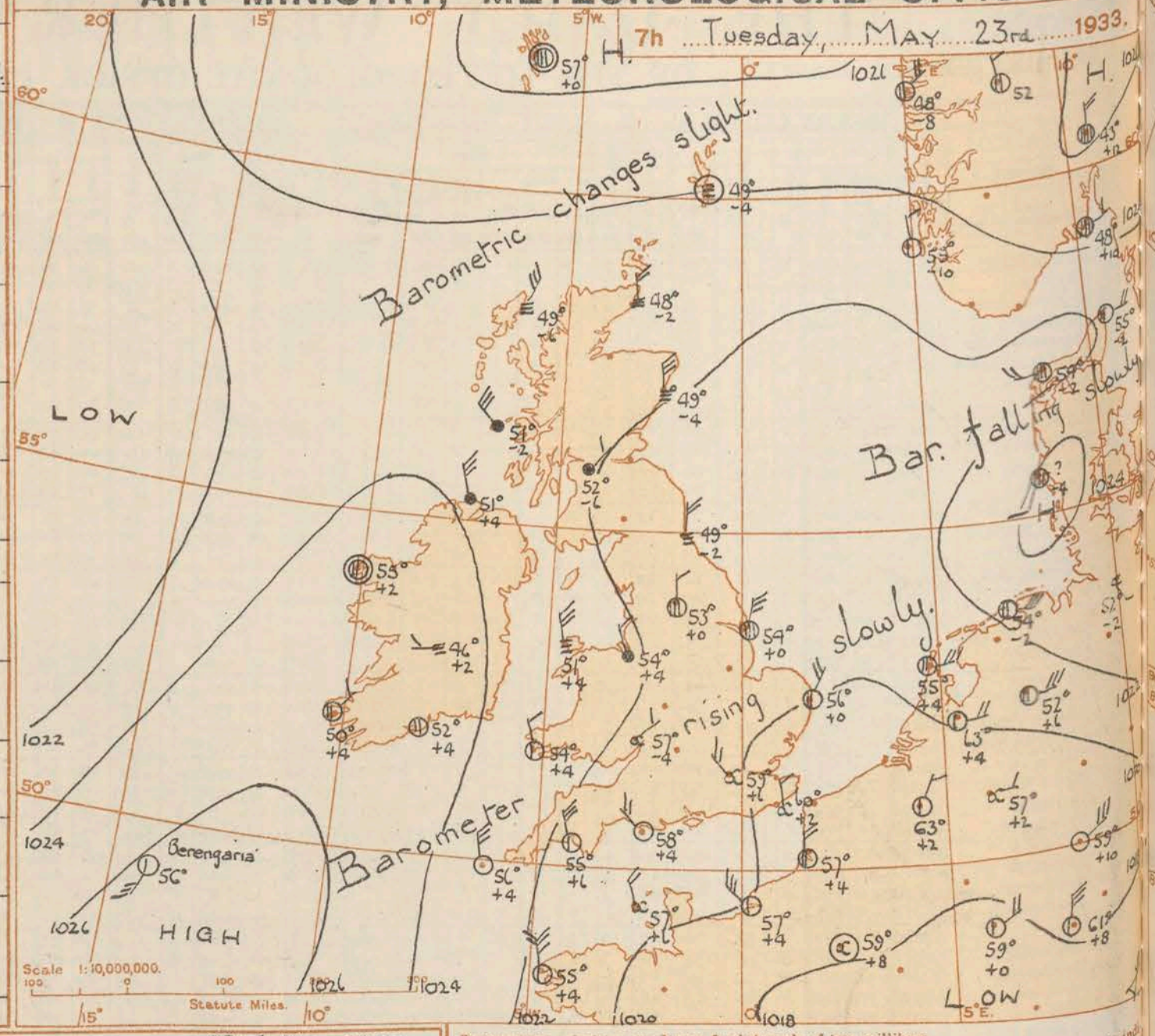
REPORTS from HEALTH RESORTS for 22nd May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 21st to 9h. 22nd	Temperature. Max. 9h.—17h. 22nd	Rainfall. Night. 17h. 21st to 9h. 22nd	Rainfall. Day. 9h.—17h. 22nd	Sunshine. Sunrise to 17h. 22nd	Sunshine. Sunrise to Sunset. 21st.
1	Tunbridge W.	b	bc bc	44	78	-	-	9·0	5·1
	Bournemouth	bcc	c	54	77	-	-	6·1	4·7
	Ventnor ...	b3	b3	55	70	-	-	10·8	3·7
	Southsea ...	b	b	56	74	-	-	10·7	3·7
	Bognor Regis	b	b	54	70	-	-	10·4	2·2
	Littlehampton	b	bbc	55	71	-	-	11·3	1·9
	Worthing ...	b	b	57	70	-	-	10·7	3·4
	Brighton ...	b	b	57	66	-	-	11·1	5·3
	Eastbourne†	b	by	55	72	-	-	11·5	4·2
	Hastings† ...	b	b	55	72	-	-	11·6	5·7
	Folkestone ...	b	b	54	75	-	-	9·8	10·8
	Dover... ...	yb	bbcy	54	76	-	-	11·2	12·4
	Deal	bcb	bbc	51	66	-	-	9·7	11·5
	Ramsgate ...	b	b	57	68	-	-	11·5	12·0
	Margate ...	bc	bbc	53	61	-	-	11·5	12·8
2	Southend ...	b3	b3	52	72	-	-	10·6	6·3
	Maldon ...	b	b	51	74	-	-	12·5	4·9
	Clacton-on-Sea	bc	bc	52	66	-	-	11·9	10·9
	Dovercourt ...	bc	bc	50	70	-	-	11·8	9·5
	Lowestoft ...	b	b	47	64	-	-	12·2	10·0
	Skegness ...	b	b	43	59	-	-	11·2	4·9
	Mablethorpe	b	b	41	58	-	-	11·9	3·8
	Cleethorpes ...	b	b	49	62	-	-	12·4	4·4
3	Leamington S.	b	b	53	75	-	-	11·5	5·1
4	Cheltenham†	bc m$_0$c	c circ	52	76	Trace	1	7·1	8·2
5	Bath	cbcb	cbcb	55	72	2	-	6·6	7·1
	Weymouth ...	cb	b	56	74	3	-	7·2	7·4
	Jersey ...	c	bc	54	69	-	-	8·2	0·0
	Torquay ...	p$_0$c3$_0$	cb	53	69	Trace	-	6·0	6·5
	Penzance ...	cb	b	50	65	-	-	11·6	7·8
	St. Ives ...	b	b	51	58	-	-	10·5	10·0
	Buda	o$_0$	oc	46	57	-	Trace	0·0	10·6
	Ilfracombe ...	od	oc	52	57	-	0·4	0·0	8·5
6	Aberystwyth	c$_0$c	cir	51	57	Trace	1	0·0	6·8
7	Llandudno ...	o$_0$c$_0$	cbc	45	60	-	1	0·6	10·6
	Colwyn Bay...	orr	robc	46	62	-	2	1·9	10·3
	Rhyl								
8	Wallasey ...	c	cbc	48	58	-	-	1·1	11·5
	Southport‖ ...	oco	cbcc	50	59	-	-	1·2	10·5
	Blackpool ...	bcc	c	50	57	-	-	0·4	6·9
	Morecambe ...	ebccb	c	49	62	-	-	1·6	6·0
9	Ilkley... ...	b	b	52	73	8	-	10·4	7·8
10	Berwick-on-T.	cbcb	b	51	55	-	-	8·1	11·6
11	Dunbar ...	bc	bc	50	55	-	-	4·2	13·3
12	Troon... ...	wc	ctbr$_0$	49	65	-	4	4·4	12·6
	Douglas ...	cbc	oid$_0$bc	46	64	-	0·5	2·3	6·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday, MAY 23rd 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 6/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd May, 1933.
1. S.E. England 2. E. England .. 3. E. Midlands	Light northerly or variable wind; fair or fine apart from local thunderstorms; warm.
4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate northerly wind; mainly fair but chance of local thundery rain or showers; rather warm.
7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light variable or northerly wind; cloudy, local rain, fog on coast; moderate or rather high temperature.
13. A. W. Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light variable or northerly wind; cloudy, occasional rain; coastal fog; moderate or rather high temperature,
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable wind; mainly fair; rather warm.

GENERAL INFERENCE.

Anticyclones are situated to southwest and to north and northeast of the British Isles where the pressure distribution is rather irregular. In Scotland and North England there will be local rain and coastal fog but in the southern half of England weather will be fair apart from the chance of local thundery rain and showers.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 0935 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2.
Pa. 7551/2573. Wt. 47. 0 5001 Gp. 908 2 FEB. 5133.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
TUESDAY,
23rd. MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1·4 x 10⁷ along meridian at 55°N

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 23rd May 1933.

No. 26115

OBSERVATIONS at 1 hr. G.M.T. 23rd May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1019.5	-2	SE'S	2	b	54	75	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.8	-2	N'E	2	3o	56	75	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1020.8	+4	N'E	1	b	55	85	7	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019.3	0	WNW	2	b	55	95	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1022.0	0	NNW	5	bc	51	95	8	4	-	1	2.3	4.6	4000
	Scilly (St. Mary's)	163	1023.5	0	NNW	3	b	53	95	8	-	-	-	0	0	-
	Guernsey ...	175	1019.4	-4	WNW	1	b	55	95	7	-	-	-	0	0	-
6	Pembroke ...	142	1021.4	+4	NE	2	bc	51	85	7	5	6	-	2.3	4.6	4000
7	Holyhead ...	28	1022.0	0	NNW	2	c6	51	95	6	6	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020.5	+2	N'E	3	bc	51	95	7	-	3	-	0	2.3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	4.6	4.6	800
	Tynemouth ...	67	1022.1	-2	N	2	bc	50	95	5	5	-	-	4.6	4.6	800
11	Inchkeith ...	190	1023.1	-6	NE	1	0	51	95	6	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1022.9	-2	NE	2	f	49	95	3	5	-	-	10	10	<150
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1024.0	0	NNW	2	m	49	95	4	5	-	-	10	10	1500
16	Lerwick ...	54	1024.8	+6	-	0	F	48	95	1	-	-	-	10	10	<150
17	Blacksod Point	18	1024.7	+2	N	1	b	50	95	8	1	-	-	Tr	Tr	2500
18	Malin Head ...	52	1024.0	-2	NW	1	c	51	95	8	-	1	-	0	10	-
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1025.6	+10	NW	2	b	51	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 23rd May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1020.2	+6	W	1	bc3o	57	85	5	-	-	6	0	4.6	-	1	*
	Croyden ...	1020.0	+6	WNW	2	bc3o	59	75	5	-	-	6	0	4.6	-	0	*
	S. Farnborough	1020.3	+8	NW	1	bc3o	56	85	5	-	-	8	0	4.6	1		*
	Winchester ...	1020.0	+4	N'W	2	b	57	85	6	-	-	1	0	Tr	-		*
	Boscombe Down	1020.5	+4	NWN	2	b	55	85	6	-	-	-	0	0	-	0	*
	Calshot (S'thmtn)	1020.0	+6	NWN	3	b	57	85	6	-	-	1	0	Tr	-	0	1
	Dungeness ...	*	*	NNW	2	bc3o	*	*	5	5	7	*	2.3	4.6	800	*	1
	Lympne ...	1019.6	+2	N'W	1	b3	60	75	6	-	-	1	0	1	-	0	*
2	Shoeburyness	1019.8	+0	NNE	1	bc	59	85	7	-	-	1	0	2.3	-	0	*
	Felixstowe ...	1019.5	+4	NE	2	bc	61	75	6	-	-	8	0	4.6	-	0	1
	Gorleston ...	1020.1	+0	NE'N	52	bc	58	85	6	-	-	1	0	4.6	-	0	1
	Cranwell ...	1021.0	+4	NW	1	c3o	53	95	5	8	-	-	7.8	7.8	4000	0	*
3	Birmingham ...	1021.6	+2	NNW	3	bc3o	54	75	5	-	3	-	0	Tr	-	0	*
	Upper Heyford	1024.2	+8	NWN	3	bm	54	85	4	-	8	-	0	1	-	1	*
4	Ross-on-Wye ...	1021.1	-4	E'N	1	b	57	85	6	-	-	9	0	Tr	-	0	*
5	Portland Bill...	1020.5	+4	WNW	2	b	58	85	6	-	-	-	0	0	-	0	2
	Plymouth ...	1021.8	+6	NW	3	b	55	85	8	5	-	-	Tr	Tr	5700	0	1
	The Lizard ...	1022.9	+4	N'W	3	bc	55	85	8	7	-	-	1	1	4000	0	2
	Scilly (St. Mary's)	1023.6	+4	NNW	3	b	56	95	8	-	-	-	0	0	-	0	1
	Guernsey ...	1021.0	+6	NWN	2	b3o	57	85	5	-	-	-	0	0	-	0	2
6	Pembroke ...	1022.6	+4	NW	1	b	54	75	8	5	-	-	Tr	Tr	4000	0	1
7	Holyhead ...	1022.6	+8	NWW	3	f	59	95	8	5	-	-	10	10	4150	1	0
	Chester (Sealand)	1022.4	+4	NWW	1	c3o	59	95	6	6	2	-	7.8	10	1500	1	*
8	L'pool (Bidston)	1022.3	+2	WNW	3	c	55	95	7	5	2	-	7.8	10	2500	1	*
9	Harrogate ...	1021.4	+0	N	1	c3o	53	85	5	-	3	9	-	9	-	1	*
10	Spurn Head ...	1020.5	+0	NNE	3	c	54	95	6	5	3	-	4.6	7.8	1500	0	2
	Catterick ...	1022.5	+0	NNW	1	f	48	95	3	5	-	-	10	10	4150	0	*
	Tynemouth ...	1021.8	-2	NNW	2	of	49	95	2	5	-	-	10	10	1500	0	1
11	Inchkeith ...	1023.0	-2	S	1	r.	50	95	6	6	-	-	10	10	800	1	1
	Leuchars ...	1022.2	-2	E	1	r.r.	51	95	5	6	2	-	4.6	10	1500	1	*
12	Renfrew (Abbotts L)	1022.1	-6	NE	1	r.	52	95	5	5	-	-	10	10	800	1	*
	Eskdalemuir ...	1021.8	+4	N'E	1	rr	52	85	6	6	2	-	4.6	10	2500	1	*
13A	Tiree	1023.2	-2	WNW	3	rr	51	95	6	6	2	-	9+	10	800	1	2
13B	Stornoway ...	1022.3	-6	NE	2	f	49	95	3	5	-	-	10	10	4150	1	0
15	Dalwhinnie ...	1023.2	-4	NE	1	RR	50	95	6	4	4	-	7.8	10	800	1	*
	Aberdeen ...	1023.1	-4	NW	3	bcm	49	95	4	5	-	-	4.6	4.6	4150	1	1
	Wick	1023.3	-2	NNW	2	F	48	95	1	5	-	-	10	10	4150	0	1
16	Lerwick ...	1024.0	-4	-	0	F	49	95	1	5	-	-	10	10	4150	0	*
17	Blacksod Point	1024.6	+2	-	0	bc	55	85	8	2	-	-	4.6	4.6	1500	0	1
18	Malin Head ...	1023.8	+4	NW	3	d.d.	51	95	5	5	-	-	10	10	4150	1	1
	Aldergrove ...	1023.7	+6	NNW	3	o	51	95	7	5	-	-	10	10	4150	1	*
	Donaghadee ...	1022.6	+4	NNW	2	c	52	95	7	5	-	-	9+	9+	1500	0	1
19	Birr Castle ...	1024.8	+2	W	1	cf	46	95	2	5	-	-	9	9	1500	1	*
20	Valentia Obsy.†	1025.5	+4	NNE	1	bc	50	95	9	1	-	2	1	4.6	1500	0	1
	Roches Point...	1024.3	+4	N	3	bc	52	85	8	5	-	-	2.3	2.3	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 22.4 Hrs. (36)
1	London (Kew)...	78	52	43	-	2	10.8
	Croyden ...	78	50	45	Tr.	-	8.7
	S. Farnborough	78	43	38	0.2	-	11.2
	Winchester ...	75	47	42	-	-	11.6
	Boscombe Down	75	49	47	-	-	11.5
	Calshot (S'thmtn)	73	50	45	-	-	6.3
	Dungeness ...	69	48	*	-	-	*
	Lympne ...	74	53	50	-	-	12.7
2	Shoeburyness	68	47	38	-	-	12.4
	Felixstowe ...	67	50	47	-	-	13.4
	Gorleston ...	62	53	49	-	-	13.0
	Cranwell ...	77	46	43	-	-	14.0
3	Birmingham ...	73	50	46	-	-	8.4
	Upper Heyford	74	49	47	-	4	*
4	Ross-on-Wye ...	71	50	42	-	-	7.1
5	Portland Bill...	62	54	*	-	-	*
	Plymouth ...	64	51	47	Tr.	-	4.9
	The Lizard ...	65	49	*	-	-	*
	Scilly (St. Mary's)	61	51	*	-	Tr	14.7
	Guernsey ...	65	53	50	-	-	9.5
6	Pembroke ...	64	48	*	-	-	11.5
7	Holyhead ...	54	51	46	0.1	4	0.2
	Chester (Sealand)	61	48	41	Tr.	2	1.2
8	L'pool (Bidston)	57	50	48	Tr.	2	1.3
9	Harrogate ...	70	48	44	-	-	11.1
10	Spurn Head ...	62	48	*	-	Tr	14.2
	Catterick ...	69	45	42	-	-	13.1
	Tynemouth ...	55	49	47	-	-	*
11	Inchkeith ...	55	50	48	1	2	2.6
	Leuchars ...	58	48	42	1	0.3	0.5
12	Renfrew (Abbotts L)	70	52	52	0.2	9	5.3
	Eskdalemuir ...	68	49	49	2	9	3.3
13A	Tiree	57	51	49	-	5	12.9
13B	Stornoway ...	62	48	*	-	Tr	11.8
15	Dalwhinnie ...	63	48	40	2	4	2.3
	Aberdeen ...	62	44	40	-	-	4.8
	Wick	54	47	*	-	-	*
16	Lerwick ...	55	47	*	0.4	Tr	2.7
17	Blacksod Point	59	45	*	-	-	*
18	Malin Head ...	56	49	*	-	Tr	12.3
	Aldergrove ...	67	48	48	2	-	8.0
	Donaghadee ...	57	49	*	-	-	*
19	Birr Castle ...	67	41	32	-	-	10.2
20	Valentia Obsy.†	59	44	40	-	Tr	14.7
	Roches Point...	65	59	*	-	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—18h.

	Height above M.S.L. in feet.	Weather Morning (24 hrs, ended 9h.)	Weather Afternoon (24 hrs, ended 9h.)	Weather Night (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	bcby	bbccy	bcnow	78	52	43	-	2	10.8	*	*	6
CROYDON	217	cnbzoy	bybcclpo	bcmcz	78	50	45	Tr	-	8.7	*	*	5
GREENWICH (Royal Observatory) ...	149	by	bycllr	clzoy	78	49	38	4	-	9.3	40	55	5
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	10.1	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	77	55	49	-		10.6	35	55	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	80	53	46	-		10.8	43	60	*
CAMDEN SQUARE	110	b	bc	*	81	54	46	-	-	*	*	57	*
KENSINGTON	80	bcwb	bc	*	78	53	43	-	-	10.2	At 18h. 48	56	*
HAMPSTEAD OBSERVATORY	450	b	bc	bc	75	51	44	-	-	11.5	*	62	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 22nd May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1015.9	-	c	bc	77	1018.7	-	0	b3o	59
BRUSSELS	1023.3	NE	2	b		1018.2	NNE	1	bc	63
BERLIN	1021.2	NNE	3	b	59	1022.9	-	0	b	54
ZÜRICH	1015.4	ENE	1	b	70	1017.5	NNE	1	bc	55
ROME	1015.0	WSW	4	c	64	1015.2	N	3	b	61

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

South Kensington.	Max.	Time.	Min.	Time.
	1.0	5.6hr 23rd	Nil	11-13h 22nd

Kew Observatory.	Max.	Time.	Min.	Time.
	0.4	4hrs 23rd	0.1	16h 22nd

Past 24 Hours.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
	81	54	-	-
	77	52	-	-
	70	41	-	-
	75	48	-	-
	75	46	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 24th May, 1933.

No. 26116

Dist.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 23rd May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)	OBSERVATIONS at 18h. G.M.T. 23rd May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	PAST 24 HOURS. Weather. 7h.–13h. 23rd (37)	13h.–18h. 23rd (38)	18h. 23rd to 1h. 24th (39)	1h.–7h. 24th (40)
1	London (Kew)...	1018.9	-10	NW	2	bc	76	45	7	1	-	-	2-3	2-3	4000	1017.8	-4	N	4	t	72	55	5	3	-	-	7-8	7-8	1500	0	*	b3.bcy	bcyct.	tlRcm.b	bbcm.
	Croydon ...	1018.6	-10	WNW	3	3.	77	35	6	1	-	-	4-6	4-6	4000	1018.1	+2	SE	4	t	69	65	7	8	9	-	7-8	9+	2500	0	*	bbc3.y	yctlrc	coTLRcbc	bcm.
	S. Farnborough	1016.7	-10	WNW	1	3.	77	45	6	2	-	-	4-6	4-6	4000	1019.2	+6	ESE	1	tlr	60	85	6	9	-	-	10	10	4000	1	*	bbc3.y	bctpr.	ctlrb	bbc
	Winchester ...	1019.3	-10	N	3	3.	73	65	6	1	-	-	2-3	2-3	4000	1018.4	-2	NWN	4	c	69	65	7	8	-	-	7-8	7-8	5700	0	*	b3.	3.ctlud	cbcbm.	bm.b
	Boscombe Down	1019.5	-6	NWW	3	c	69	65	6	2	-	-	7-8	7-8	4000	1018.7	-6	NNW	3	b	68	55	6	1	-	-	Tr.	Tr.	4000	0	*	bc3.	bcb3y	bcm.	bm.
	Calshot, S'thmtn	1019.3	-6	SSW	3	bc	70	65	6	2	-	-	2-3	2-3	4000	1018.5	0	-	0	t	68	75	7	9	-	-	4-6	4-6	2500	1	0	bm.	bctlpR	bcb	bm.
	Dungeness ...	*	*	SW	1	bc	*	*	5	5	-	*	2-3	2-3	1500	*	*	NNW	1	c	*	*	5	4	-	*	9	9	1500	*	0	b	o	*	bc
	Lympne ...	1019.5	-2	SE	2	b	68	65	6	1	-	-	Tr.	Tr.	4000	1019.3	0	WNW	1	u	61	75	6	8	3	-	4-6	9	4000	0	*	bm. 3.	biac3.t	crqbcpc	prscbm.
2	Shoeburyness	1019.4	0	ESE	3	b	64	75	6	3	-	-	Tr.	Tr.	4000	1018.8	0	E	4	c	61	75	7	5	7	-	4-6	7-8	4000	0	*	bcb m.	bbcc	ctlr	bc
	Felixstowe ...	1019.9	0	ENE	3	b	60	76	7	2	-	1	1	1	4000	1018.7	-8	ENE	2	bc	61	75	8	7	3	1	2-3	4-6	4000	0	1	bc3.b	bc	bcc	covd.m.
	Gorleston ...	1020.4	-4	ESE	3	bc	58	85	6	-	4	4-5	0	4-6	-	1019.0	-6	E'N	2	c	57	85	6	4	-	-	7-8	7-8	4000	0	1	bc	bcpr.c	coirc	ctpr.
	Cranwell ...	1020.4	-4	NWN	3	3.	67	65	6	4	-	-	7-8	7-8	7200	1019.8	0	NE	2	c	62	85	6	8	-	-	7-8	7-8	2500	0	*	cm.bc3.	cpr.c	cbc	bccm
3	Birmingham ...	1020.8	0	NNW	3	bc	66	45	6	1	-	-	2-3	2-3	2500	1020.6	-2	NNW	4	bc	63	65	6	1	-	-	2-3	2-3	2500	0	*	bcb	b	b	b
	Upper Heyford	1020.1	-6	NE	4	3.	69	55	6	3	-	-	2-3	2-3	4000	1019.2	-4	N	3	3.	67	65	6	2	-	-	Tr.	Tr.	4000	0	*	b3.y	bcb3.	bm3	bwcm.
4	Ross-on-Wye ...	1020.7	0	N	3	bc	68	55	7	1	8	-	2-3	2-3	4000	1020.0	-6	N	3	c	66	65	7	8	-	-	7-8	7-8	4000	0	*	bc3.bc3.	bcy	cb	bw
5	Portland Bill...	1020.3	-4	NW	3	bc	62	95	6	2	-	-	2-3	2-3	2500	1019.3	-6	WNW	3	b	61	85	7	-	-	-	0	0	-	0	2	bbc33	bcb	bbc	bcb
	Plymouth ...	1021.5	-2	NW	4	b	66	55	8	1	-	-	1	1	4000	1021.4	-2	NW	4	b	65	65	8	1	-	-	Tr.	Tr.	4000	0	2	b	by	b	bw
	The Lizard ...	1023.2	0	NW	3	b	63	65	8	1	-	-	Tr.	Tr.	4000	1023.1	0	NNW	3	b	60	75	8	1	-	-	Tr.	Tr.	4000	0	2	bcb	b	bw	bbcw
	Scilly (St. Mary's)	1024.5	+4	NW	3	b	62	85	8	-	-	-	0	0	-	1024.4	-2	NW	3	b	59	95	8	-	-	-	0	0	-	0	1	b	bbcb	bw	bbc
	Guernsey ...	1021.5	0	NW	2	b	65	75	6	-	-	-	0	0	-	1020.2	-10	NW	3	b	64	75	7	-	-	-	0	0	-	0	2	b3	b	b	bbc
6	Pembroke ...	1023.4	+2	NW	2	bc	64	75	7	5	-	-	2-3	2-3	4000	1022.2	-4	NNW	2	b	56	85	7	5	-	-	Tr.	Tr.	4000	0	1	b	b	b	bbcm.w
7	Holyhead ...	1023.3	+4	NWN	3	b	56	95	6	5	-	-	1	1	800	1022.6	-6	NWW	1	b	56	85	6	1	-	-	Tr.	Tr.	2500	1	0	Fom	bm.	bm.w	bm.w
	Chester (Sealand)	1022.4	+2	NW	3	bc	61	85	6	7	-	-	2-3	2-3	2500	1022.5	0	NW	4	b	59	65	7	1	-	-	Tr.	Tr.	2500	0	*	cb	bcm.b	b	bcw
8	L'pool (Bidston)	1022.9	+2	NW	3	3.	54	95	5	6	-	-	10	10	450	1022.7	-4	NW	3	b	57	85	7	-	-	-	0	0	-	0	*	ofcfm	bcb	b	cbc
9	Harrogate ...	1021.1	0	E	1	bc	61	85	6	3	8	3	2-3	2-3	2500	1019.8	-6	W	1	bc	63	75	5	3	-	-	2-3	2-3	4000	1	*	ctlPbc	bc	bcb	b
10	Spurn Head ...	1021.1	0	N	4	c	56	85	7	5	7	-	4-6	9	2500	1019.8	-2	NNW	3	c	52	95	6	5	3	-	4-6	9+	1500	1	2	bc	ctrrc	fflcw	clfid
	Catterick ...	1021.1	-2	N	1	c/pr	59	85	5	8	-	-	9	9	2500	1019.6	-8	NEE	1	t	60	85	6	3	-	-	4-6	4-6	4000	1	*	ofc tpr	c3. pr	bctbwf	of, bc
	Tynemouth ...	1021.8	0	NNW	1	rr	51	95	5	6	-	-	10	10	1500	1020.3	-4	N	1	oF	50	95	1	5	-	-	10	10	800	1	1	Ofform	oic FF	offtir	bcoffm
11	Inchkeith ...	1021.8	-16	NE	1	c	54	85	7	8	-	-	9+	9+	2500	1021.7	+2	NE	2	c	53	95	6	5	-	-	10	10	2500	1	2	orfrfc	c	co	oc
	Leuchars ...	1021.1	-10	NW	2	c/r	60	75	7	8	-	-	7-8	7-8	5700	1020.4	-4	E	3	c	53	85	6	9	3	-	7-8	9	2500	1	*	mirrc	cbccm.	com.	am.d.o
12	Renfrew (Abbotts I.)	1021.2	-6	NWW	1	c	56	95	5	5	7	-	7-8	9+	2500	1020.6	-2	W'N	3	c	58	75	8	4	-	-	7-8	7-8	5700	2	*	orbmrr	cm.c	cbcc	cm.w
	Eskdalemuir ...	1020.8	-4	WNW	3	c	57	75	6	8	3	-	4-6	9	2500	1020.2	-2	NE	3	t	58	75	8	3	3	-	4-6	7-8	2500	1	*	circ	cbcct	ctlr.c	c
13A	Tiree	1023.0	0	NNW	6	of	51	95	3	5	-	-	10	10	220	1022.5	-2	NWW	3	3.	51	95	5	5	2	-	9+	10	800	1	1	crrmf	ofmc	cm.w	cw
13B	Stornoway ...	1021.8	-4	NE	3	m	52	95	4	5	-	-	10	10	800	1020.8	-4	NE	3	o	51	95	5	5	-	-	10	10	800	1	1	ofm	o m m.	om.	om
15	Dalwhinnie ...	1022.4	-4	NE	2	c	52	86	7	4	2	-	4-6	10	1500	1021.5	-4	NE	1	c	55	75	7	4	2	-	4-6	10	2500	0	*	ir	c	*	c
	Aberdeen ...	1021.6	-6	N	1	c	53	85	6	5	-	-	10	10	2500	1020.8	0	NE	1	o	50	95	6	5	-	-	10	10	800	0	1	bcmfc	co3.	om.	om
	Wick	1022.7	-2	NE	2	F	49	95	1	5	-	-	10	10	150	1020.9	-10	NW	3	3.	53	85	6	5	-	-	10	10	1500	0	2	m. FF	Ffm.	om.m	om.m
16	Lerwick ...	1024.0	-14	ESE	2	bc	56	75	6	5	1	9	2-3	4-6	1500	1022.5	-4	ENE	2	bc	52	85	6	5	9	8	2-3	4-6	2500	0	*	Ffcbcm	bc m.	bc ffe	FFbcrr.m
17	Blacksod Point	1024.7	+2	-	0	bc	59	65	8	1	-	-	2-3	2-3	1600	1024.9	-6	N	2	bc	58	65	8	2	6	-	2-3	4-6	1500	0	2	bc	bc	bc	pr.c
18	Malin Head ...	1024.1	0	WNW	3	c	53	85	7	8	1	-	9	10	1500	1023.8	-2	W'N	3	c	52	85	7	5	1	-	9	10	1500	0	1	3p.d	c	cbc	bcc
	Aldergrove ...	1023.7	-6	NNW	2	c	59	75	8	8	-	-	7-8	7-8	1500	1023.1	-2	NNW	3	b	59	75	8	1	4	-	Tr.	1	4000	1	*	oc	vbc	bw	bwom.
	Donaghadee ...	1023.1	+2	NNW	2	bc	60	75	8	7	3	-	4-6	4-6	2500	1022.7	-2	N	1	c	55	85	8	7	3	-	4-6	7-8	2500	0	0	cbc	bc	c	c
19	Birr Castle ...	1024.2	-8	NNW	2	bc	65	55	8	1	-	-	4-6	4-6	2500	1023.3	-6	NNW	1	bc	65	55	8	1	-	-	2-3	2-3	2500	1	*	fcbcy	bcy	bc	bbcc
20	Valentia Obsy.	1026.1	+2	NWW	4	b	57	75	9	1	-	1	Tr.	1	1500	1025.8	-4	NWW	3	b	56	75	9	1	-	1	Tr.	Tr.	2500	0	1	bcbv	bv	b	bbccdc
	Roches Point...	1024.7	0	SW	3	bc	61	75	9	8	-	-	4-6	4-6	2500	1024.1	-6	SW	3	bc	62	59	9	5	-	-	4-6	4-6	2500	0	3	bcv	bcvy	bcvybw	bbccw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain.
rr, continuous rain.
< , less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⚑ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMN 29.—STATE OF GROUND.

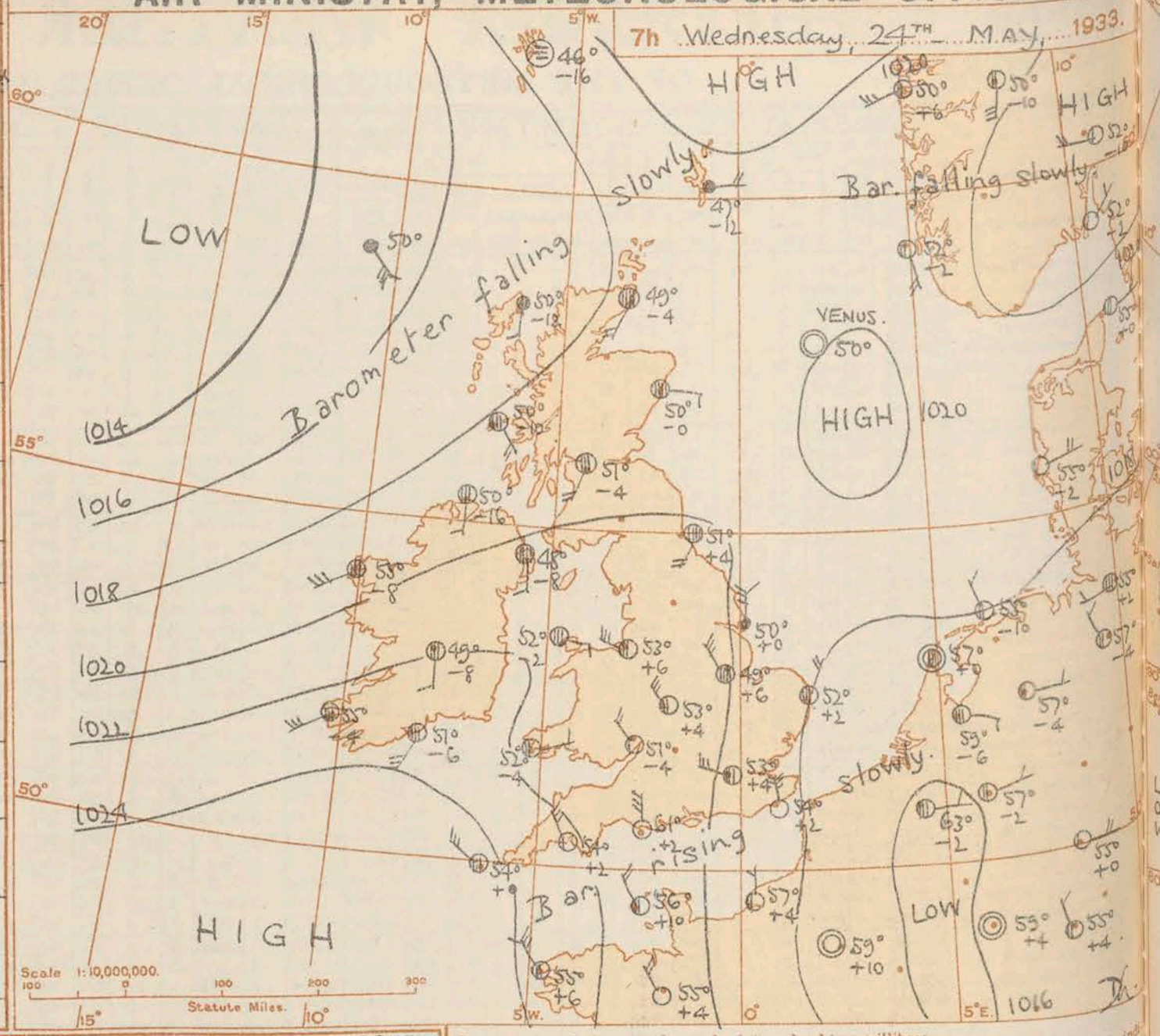
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 23rd May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 22nd to 9h. 23rd	Temperature. Max. 9h.—17h. 23rd	Rainfall. Night. 17h. 22nd to 9h. 23rd	Rainfall. Day. 9h.—17h. 23rd	Sunshine. Sunrise to 17h. 23rd	Sunshine. Sunrise to Sunset. 22nd
1	Tunbridge W.	b	bctlr	46	79	-	8	9·0	10·7
	Bournemouth	b	b	52	76	-	-	10·8	7·2
	Ventnor ...	b3	bct3	56	74	-	-	11·0	12·6
	Southsea ...	b	bbc	56	78	-	-	10·5	12·6
	Bognor Regis	b	b	52	70	-	-	10·7	12·5
	Littlehampton	b	bbc	51	75	-	-	12·1	13·3
	Worthing ...	b	b	52	73	-	-	12·0	13·2
	Brighton ...	b	b	52	75	-	-	11·9	13·2
	Eastbourne†	b	by	53	76	-	-	12·2	13·6
	Hastings† ...	b	bbcdpc	57	77	-	0·4	8·9	13·7
	Folkestone ...	b	b	54	68	-	-	11·9	11·7
	Dover... ...	mb	mbbc	55	77	-	-	12·2	13·2
	Deal	b	b	52	70	-	-	11·9	10·3
	Ramsgate ...	b	b	57	67	-	-	12·1	11·8
	Margate ...	bc	bbc	53	65	-	-	12·3	12·5
2	Southend ...	b3	bcc3	54	72	-	-	10·4	12·4
	Maldon ...	b	b	50	73	-	-	12·2	14·3
	Clacton-on-Sea	bbc	bc	53	64	-	-	11·9	13·7
	Dovercourt ...	b	bc	52	68	-	-	11·4	12·8
	Lowestoft ...	b	bbcd	50	62	-	Trace	10·3	13·5
	Skegness ...	b	bcc	47	59	-	-	10·4	13·0
	Mablethorpe	b	bcc	45	59	-	-	7·1	14·0
	Cleethorpes...	c	cbirc	51	59	-	8	3·4	14·2
3	Leamington S.	cbc	cbc	51	71	-	-	7·3	13·0
4	Cheltenham†	bwmb	bbcb3	49	72	-	-	10·7	8·6
5	Bath	b	bbc	54	73	-	-	10·3	7·9
	Weymouth ...	b	b	54	75	-	-	11·4	8·9
	Jersey ...	b	b	54	70	-	-	12·0	9·3
	Torquay ...	b	bq	53	73	-	-	12·0	6·7
	Penzance ...	b	b	50	66	-	-	11·5	13·1
	St. Ives ...	b	b	52	59	-	-	12·0	12·2
	Bude	b	b	43	60	-	-	11·5	1·0
	Ilfracombe ...	b	b	51	63	-	-	11·6	0·2
6	Aberystwyth	rbc	bcbm	50	61	0·3	-	8·2	0·0
7	Llandudno ...	imcbc	cbcb	51	56	1	-	7·2	0·6
	Colwyn Bay...	bco	obcb	51	62	2	-	4·4	2·0
	Rhyl								
8	Wallasey ...	c	cbcb	51	59	2	-	4·2	1·7
	Southport‖ ...	o	bcb	52	62	-	-	4·6	1·2
	Blackpool ...	omec	bcb	53	59	0·5	-	5·7	0·8
	Morecambe ...	b	b	52	64	2	-	7·3	1·6
9	Ilkley... ...	ctlrc	cbcb	47	70	-	1	3·4	10·6
10	Berwick-on-T.	oc	co	48	51	-	0·2	1·0	9·6
11	Dunbar ...	om,c	om,c	49	58	Trace	1	0·7	4·5
12	Troon... ...	romdf	doc	52	58	3	Trace	2·0	4·5
	Douglas ...	om,c	cbbc,bc	52	60	3	-	8·0	2·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than ⅛ clouded. ◑ Sky ⅛ to ⅝ clouded. ◕ Sky ⅝ to ⅞ clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. ⊠ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th May, 1933.
1. S.E. England 2. E. England.. 3. E. Midlands 4. W. Midlands	Light or moderate northwesterly wind; mainly fair but local showers; cooler.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate northwest to west or southwest wind; fair at first; perhaps occasional rain or drizzle later; rather warm.
9. N Midlands 10. N.E. England	Light or moderate west to southwest wind; mainly fair; rather warm.
11 S.E. Scotland	
12. S.W. Scotland & Isle of Man	Light or moderate southwest wind; cloudy, local rain or drizzle; moderate temperature.
13. A. W Scotld. B. N.W. Scotland.	Moderate south to southwest wind, fresh locally;
14. Mid-Scotland 15. N.E. Scotland	cloudy, occasional rain or drizzle; moderate temperature.
16. Orkneys and Shetlands.	Light or moderate southeasterly or southerly wind,
17. N.W. Ireland	fresh locally; cloudy, occasional rain or drizzle;
18. N.E. Ireland	moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh southwest wind; cloudy, occasional rain; moderate temperature.

GENERAL INFERENCE.

Pressure is high north of the Azores and to southwest and northeast of the British Isles, while a depression to south of Iceland is moving northeast. Weather will be unsettled in the North and Northwest but mainly fair in the Southeast.

FURTHER OUTLOOK.

Mainly fair in the South and Southeast; rather unsettled in the North and Northwest.

Forecasts issued at 0935 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2
Ps. 755/2573. Wt. 47. D. 6001. Gp. 928

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

WEDNESDAY,

24TH MAY,

1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

(0) = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 24th May 1933.

No. 26116

OBSERVATIONS at 1 hr. G.M.T. 24th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019.5	+2	NNE	2	3o	57	85	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.5	-2	NW	3	pc	59	85	6	6	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1018.7	-6	WNW	2	c	55	95	8	4	2	-	4.6	9+	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1020.9	+4	NNW	3	bc	56	85	7	4	-	-	2.3	2.3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1024.0	0	NNW	3	b	51	95	8	-	-	-	0	Tr	-
	Scilly (St. Mary's)	163	1024.8	0	NNW	2	b	51	95	8	-	-	-	0	0	-
	Guernsey ...	175	1021.0	+2	NW	3	b	54	95	7	-	-	-	0	0	-
6	Pembroke ...	142	1022.8	0	NW	1	bc	52	95	7	5	-	-	2.3	2.3	4000
7	Holyhead ...	26	1022.4	-2	NNW	1	b	50	95	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018.8	-2	ENE	3	c	50	95	5	5	3	-	4.6	7.8	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1020.6	0	NNW	2	bc	49	95	6	5	-	-	4.6	4.6	1500
11	Inchkeith ...	190	1020.8	-2	SSW	2	o	51	95	6	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1019.2	-8	-	0	0	50	95	5	5	-	-	10	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.3	-4	NW	2	3o	49	95	6	5	-	-	10	10	1500
16	Lerwick ...	54	1021.6	0	NE'N	2	F	46	95	1				10	10	<150
17	Blacksod Point	18	1021.7	-12	S	3	bc	56	85	8	2	-	6	4.6	4.6	800
18	Malin Head ...	52	1022.5	-6	SSW	1	bc	45	95	7	4	-	-	2.3	2.3	1500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1024.4	-14	-	0	b	51	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 24th May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1020.4	+8	NNE	3	bc	53	85	6	7	-	-	4-6	4-6	2500	1	*
	Croydon ...	1019.8	+4	NNW	3	3o	53	75	6	7	7	-	4-6	7-8	2500	1	*
	S. Farnborough	1020.5	+4	NNW	2	bc	54	85	6	5	-	-	4-6	4-6	1500	1	*
	Winchester ...	1020.7	+4	NW	3	b	55	85	7	-	-	-	0	0	-	0	*
	Boscombe Down	1021.1	+6	NW	2	b	54	75	6	-	-	-	0	0	-	0	*
	Calshot (S'thmtn)	1020.6	+10	NW	4	b	54	85	6	-	-	-	0	0	-	0	1
	Dungeness ...	*	*	NW	2	bc	*	*	6	5	7	*	2-3	4-6	1500	*	1
	Lympne ...	1018.4	+2	NNE	5	3o	54	85	5	-	-	-	0	0	-	0	*
2	Shoeburyness	1018.9	0	NNW	4	b	54	85	6	5	-	-	1	1	800	1	*
	Felixstowe ...	1018.3	+2	NW	3	cu	52	85	5	5	-	-	10	10	800	1	1
	Gorleston ...	1017.7	+2	NE	2	c	52	95	6	5	-	-	7-8	7-8	2500	0	1
	Cranwell ...	1020.3	+6	NNE	3	o	49	95	4	5	-	-	10	10	220	0	*
3	Birmingham ...	1021.4	+4	NNW	3	bc	53	85	6	1	-	-	2-3	2-3	1500	0	*
	Upper Heyford	1021.0	+4	NNE	3	c	52	85	6	5	-	-	9	9	800	0	*
4	Ross-on-Wye ...	1021.1	-4	NW	2	b	51	85	7	-	-	8	0	Tr	-	0	*
5	Portland Bill...	1021.0	+2	N	3	b	61	85	7	8	-	-	0	0	-	0	2
	Plymouth ...	1022.5	+2	NNE	3	b	54	85	8	-	-	-	Tr	Tr	4000	0	1
	The Lizard ...	1023.6	+4	NW	3	bc	54	85	8	8	4	-	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	1024.1	0	NW	3	bc	54	85	8	2	-	-	4-6	4-6	4000	0	1
	Guernsey ...	1021.9	+10	NNE	2	bc	56	85	6	1	1	1	2-3	4-6	2500	0	2
6	Pembroke ...	1021.7	-4	ENE	1	bc	52	95	6	-	7	-	0	4-6	-	0	1
7	Holyhead ...	1021.4	-2	SE	1	fg	52	95	6	-	-	6	0	9	-	0	1
	Chester (Sealand)	1021.7	+6	NNE	3	bc	53	85	6	7	3	-	1	2-3	2500	0	*
8	L'pool (Bidston)	1021.8	+2	NW	2	bc	52	85	8	7	-	-	4-6	4-6	1500	0	*
9	Harrogate ...	1020.2	0	WSW	3	b	53	85	7	5	-	-	Tr	Tr	4000	1	*
10	Spurn Head ...	1019.7	0	N	4	cu	50	95	6	5	2	-	7-8	9+	1500	0	2
	Catterick ...	1020.2	+2	WNW	1	c	54	85	7	5	-	-	9+	9+	1500	1	*
	Tynemouth ...	1020.2	+4	SW	2	o	51	95	4	6	-	-	10	10	1500	1	*
11	Inchkeith ...	1020.2	+2	WSW	1	c	50	95	6	5	2	-	7-8	10	1500	0	1
	Leuchars ...	1019.4	-4	SE	2	c/d	51	95	5	5	-	-	10	10	450	1	*
12	Renfrew (Abbotts L)	1019.7	-4	SW'S	2	c	51	95	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1020.0	0	SE'S	1	c	49	95	6	5	-	-	9	9	220	1	*
13A	Tiree	1019.5	-10	SSE	2	c	50	85	8	5	7	-	9+	10	2500	0	1
13B	Stornoway ...	1016.3	-12	S	1	cu	50	95	4	5	-	-	10	10	800	1	0
15	Dalwhinnie ...	-	-10	W	1	c	47	95	7	5	4	-	7-8	10	1500	0	*
	Aberdeen ...	1019.2	0	ESE	1	o	50	95	4	5	-	-	10	10	220	0	1
	Wick	1018.8	-4	SW	2	3o	49	95	6	5	-	-	10	10	1500	0	1
16	Lerwick ...	1019.7	-12	E	2	Tr	47	95	4	6	-	-	10	10	450	1	*
17	Blacksod Point	1019.2	-8	SW	3	c	55	95	8	8	7	-	4-6	10	800	0	2
18	Malin Head ...	1019.5	-16	S	1	c	50	85	7	5	7	-	Tr	9+	800	0	1
	Aldergrove ...	1021.1	-8	S	1	o	48	95	6	5	-	-	10	10	450	1	*
	Donaghadee ...	1021.5	-4	NNW	2	c	50	85	8	7	3	2	4-6	7-8	4000	0	1
19	Birr Castle ...	1021.5	-8	S	1	c	49	95	8	5	-	-	10	10	2500	1	*
20	Valentia Obsy.†	1023.2	-4	SW'W	3	c	55	95	8	5	-	1	7-8	9	800	1	1
	Roches Point...	1023.0	-6	SW	3	c	51	85	8	3	-	-	9	9	1500	1	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 23rd Hrs. (36)
1	London (Kew)...	76	52	42	-	4	8.7
	Croydon ...	79	50	45	Tr.	31	9.7
	S. Farnborough	78	45	33	1	4	9.5
	Winchester ...	74	45	40	-	-	11.9
	Boscombe Down	71	45	40	-	-	12.2
	Calshot (S'thmtn)	76	51	46	2	-	9.6
	Dungeness ...	66	52	*	-	-	*
	Lympne ...	71	51	51	-	Tr.	11.6
2	Shoeburyness	69	50	47	-	1	11.0
	Felixstowe ...	64	51	50	-	Tr.	12.8
	Gorleston ...	59	50	49	Tr.	0.1	10.1
	Cranwell ...	68	47	43	Tr.	-	7.1
3	Birmingham ...	68	49	37	-	-	11.4
	Upper Heyford	71	46	42	-	-	*
4	Ross-on-Wye ...	71	43	35	-	-	11.8
5	Portland Bill...	62	54	*	-	-	*
	Plymouth ...	68	50	42	-	-	14.3
	The Lizard ...	65	48	*	-	Tr.	*
	Scilly (St. Mary's)	63	50	*	-	Tr.	14.7
	Guernsey ...	65	52	49	-	-	14.1
6	Pembroke ...	64	46	*	-	-	14.6
7	Holyhead ...	57	46	37	-	-	7.2
	Chester (Sealand)	62	47	41	-	-	10.5
8	L'pool (Bidston)	58	49	x	-	-	6.2
9	Harrogate ...	64	47	43	1	-	4.8
10	Spurn Head ...	60	48	*	3	Tr.	3.8
	Catterick ...	62	47	43	3	-	2.4
	Tynemouth ...	52	49	46	2	0.2	*
11	Inchkeith ...	59	49	46	4	-	1.2
	Leuchars ...	61	49	48	3	Tr.	1.1
12	Renfrew (Abbotts L)	60	44	40	4	-	2.1
	Eskdalemuir ...	63	42	38	0.5	Tr.	5.5
13A	Tiree	52	48	46	1	-	0.0
13B	Stornoway ...	53	49	*	-	Tr.	0.0
15	Dalwhinnie ...	56	41	33	5	-	0.0
	Aberdeen ...	59	49	49	-	-	2.0
	Wick	56	48	*	-	-	*
16	Lerwick ...	57	45	*	Tr.	0.3	5.7
17	Blacksod Point	59	47	*	-	1	*
18	Malin Head ...	54	42	*	Tr.	-	0.1
	Aldergrove ...	61	40	31	-	-	7.6
	Donaghadee ...	60	42	*	-	-	*
19	Birr Castle ...	67	43	31	-	-	11.3
20	Valentia Obsy.†	59	45	41	-	0.2	14.6
	Roches Point...	65	47	*	-	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations. except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs, ended 9h.)	Weather Afternoon. (24 hrs, ended 9h.)	Weather Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	63 bcy	bcyct	tlRc	76	52	42	-	4	8.7	*	*	G
Croydon	217	bc 3-4	ycttr c	coTLR	79	50	45	Tr.	31	9.7	*	*	G
Greenwich (Royal Observatory) ...	149	63-4	byc TLR	TLRc	79	51	40	1	17	7.3	45	72	*
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	9.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	80	53	47		1	9.3	51	68	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	81	50	44	Tr.		10.1	47	71	*
Camden Square	110	b	bc	*	81	51	44	-	-	*	*	73	*
Kensington	80	bc3 wb	bc	*	78	51	44	-	6	9.2	At 18h. 57	75	*
Hampstead Observatory	450	b	bctl	*	78	48	47	-	-	10.7	*	75	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 24th

South Kensington. Max.	Time.	Min.	Time.
1.0	7h. 23rd	Nil	14h-16h 23rd 18h-6h 24th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	18h. 23rd	0.1	15h. 23rd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 23rd May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 24th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1016.6	NNW	4	b	72	1017.5	-	0	3o	59		54		-
Brussels	1017.6	NE	3	c	61	1014.2	E	1	c	63	77	50	-	-
Berlin	1015.5	ENE	1	bc	70	1017.2	-	0	bc	54	66	43	-	-
Zürich	1015.3	W	2	c	68	1016.4	NNE	1	bc	57		50	-	-
Rome						1014.7	N	2	b		77	48	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1-3	5	19–24	10	55–63
2	4-7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 25th May 1933.

No. 26117

OBSERVATIONS at 13h. G.M.T. 24th May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1018.6	-14	NNW	3	bc	64	55	7	6	-	-	4-6	4-6	2500
	Croydon	1018.9	-10	NW	3	c	63	55	7	2	-	-	7-8	7-8	4000
	S. Farnborough	1018.6	-18	NNW	2	bc	65	55	7	2	-	8	4-6	4-6	4000
	Winchester	1019.1	-14	NW	4	c	66	55	8	1	-	6	4-6	9	4000
	Boscombe Down	1019.1	-14	NNW	3	c	65	45	8	1	-	6	2-3	9	4000
	Calshot, S'thmtn	1019.3	-10	NW	4	bc	66	45	8	1	-	6	1	4-6	4000
	Dungeness	*	*	NNW	2	c	*	*	6	5	-	*	9	9	1500
	Lympne	1018.7	-2	NNW	3	3o	58	75	6	8	-	-	9+	9+	2500
2	Shoeburyness	1018.2	-8	NNW	4	c	63	55	7	7	-	-	7-8	7-8	1500
	Felixstowe	1018.2	0	NE	2	c	56	85	7	5	-	-	7-8	7-8	2500
	Gorleston	1018.3	+2	N'E	4	bc	59	85	7	1	7	-	1	2-3	4000
	Cranwell	1018.7	-14	NNE	2	bc	63	75	6	2	-	-	4-6	4-6	2500
3	Birmingham	1019.1	-8	NW	3	bc	65	35	8	4	-	6	1	2-3	2500
	Upper Heyford	1019.3	-10	NW	2	3o	64	55	6	3	-	-	7-8	7-8	1500
4	Ross-on-Wye	1019.0	-12	N	3	c	67	55	8	2	-	2	2-3	7-8	4000
5	Portland Bill	1020.3	-8	NNW	3	c	57	95	8	5	7	-	7-8	9+	2500
	Plymouth	1021.2	-10	WSW	4	c	62	65	8	7	3	8	4-6	7-8	4000
	The Lizard	1023.1	0	WNW	3	bc	59	75	8	7	5	1	2-3	4-6	4000
	Scilly (St. Mary's)	1024.0	0	WNW	3	id.	58	95	4	5	-	-	9+	9+	800
	Guernsey	1021.5	-8	NW	3	bc	63	65	7	-	1	6	0	4-6	-
6	Pembroke	1021.9	-2	W	2	c	55	85	8	5	-	-	9+	9+	2500
7	Holyhead	1020.3	-8	SW	3	if.	51	95	5	5	-	-	10	10	220
	Chester (Sealand)	1019.2	-18	WNW	3	c	64	55	8	7	4	6	2-3	7-8	4000
8	L'pool (Bidston)	1019.8	-10	NNW	2	bc	58	75	8	1	-	6	1	4-6	4000
9	Harrogate	1018.0	-10	SW	1	c	63	55	7	3	-	-	7-8	7-8	4000
10	Spurn Head	1019.4	-2	E	2	c	59	85	6	5	2	-	4-6	10	1500
	Catterick	1017.0	-14	SE	2	c	65	65	7	3	-	-	7-8	7-8	2500
	Tynemouth	1018.0	-12	SE	2	c	55	85	5	6	-	-	7-8	7-8	1500
11	Inchkeith	1017.7	-10	W	2	c	56	75	7	5	4	1	4-6	7-8	2500
	Leuchars	1017.4	-10	SE	2	c	56	85	6	5	2	-	7-8	10	1500
12	Renfrew (Abbotts'l)	1017.6	-10	SW'S	4	c	55	75	7	1	2	-	2-3	10	4000
	Eskdalemuir	1017.1	-16	SSW	4	c	60	65	8	8	-	1	4-6	7-8	2500
13a	Tiree	1015.7	-20	SSE	4	r.	49	95	6	6	2	-	9+	10	1500
13b	Stornoway	1013.2	-12	SSW	3	r.	50	96	7	8	2	-	4-6	10	1500
15	Dalwhinnie	1016.3	-20	W	2	c	53	75	8	4	1	-	4-6	10	2500
	Aberdeen	1017.1	-14	S	3	c	53	85	6	5	1	-	9	10	450
	Wick	1016.0	-12	SE	2	o/f	50	95	5	5	-	-	10	10	1500
16	Lerwick	1017.4	-10	S	2	c	47	95	5	5	5	-	7-8	9	800
17	Blacksod Point	1020.8	+10	WN	5	q	56	95	8	8	6	-	4-6	7-8	1500
18	Malin Head	1016.4	-12	SW	2	DD	53	95	6	8	2	-	9	10	800
	Aldergrove	1018.8	-10	SW	3	r.	51	85	8	6	-	-	10	10	800
	Donaghadee	1018.7	-10	SW	1	r.	54	95	7	6	-	-	10	10	800
19	Birr Castle	1018.8	-14	WSW	3	rr	57	85	7	6	-	-	10	10	1500
20	Valentia Obsy.	1022.6	+6	NW	4	bc	56	75	8	8	-	1	4-6	4-6	1500
	Roches Point	1021.0	-10	SW	3	c	63	75	9	5	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 24th May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1017.1	-10	NNW	2	c	65	55	7	5	7	6	2-3	9	4000	1	*
	Croydon	1017.3	-12	WNW	3	c	65	45	7	5	7	8	2-3	9	2500	1	*
	S. Farnborough	1017.2	-10	WNW	2	c|p	65	45	8	8	1	8	4-6	9+	4000	0	*
	Winchester	1018.1	-6	WNW	4	c	62	65	8	5	1	-	4-6	9+	2500	0	*
	Boscombe Down	1018.1	-10	WNW	3	c	61	65	8	5	7	-	7-8	10	2500	0	*
	Calshot, S'thmtn	1018.1	+4	WNW	4	c	64	55	7	1	7	8	1	9	4000	0	1
	Dungeness	*	*	NE	1	c	*	*	6	5	7	*	4-6	7-8	1500	*	2
	Lympne	1017.3	-4	NNE	2	c	60	65	8	5	1	6	fr.	9	7200	0	*
2	Shoeburyness	1017.7	-4	E	2	c	56	85	7	4	2	2	2-3	7-8	4000	0	*
	Felixstowe	1017.4	-8	ENE	2	c	55	85	8	-	-	6	0	7-8	-	0	1
	Gorleston	1017.2	-6	NNE	3	bc	58	75	7	-	-	1	0	2-3	-	0	2
	Cranwell	1016.7	-20	SSE	2	c	59	75	7	5	-	-	10	10	2500	0	*
3	Birmingham	1017.8	-6	WNW	3	c|pr	61	65	8	6	2	-	2-3	9+	2500	0	*
	Upper Heyford	1017.4	-14	WNW	1	c	63	65	8	5	3	7	4-6	10	4000	0	*
4	Ross-on-Wye	1017.8	-10	W	2	bc	64	65	8	1	9	-	1	4-6	4000	0	*
5	Portland Bill	1019.0	-6	WSW	3	c	58	95	8	5	7	1	7-8	10	1500	0	3
	Plymouth	1020.4	-2	NW	4	c	62	55	8	7	3	6	2-3	7-8	2500	0	2
	The Lizard	1021.8	-4	W	3	c	56	95	8	4	2	-	4-6	9+	2500	0	2
	Scilly (St. Mary's)	1022.7	-8	WNW	4	c	56	95	7	5	1	-	4-6	9	4000	0	2
	Guernsey	1020.7	-10	NW	4	c	58	65	7	5	-	-	7-8	7-8	4000	0	3
6	Pembroke	1019.6	-12	WNW	2	c	53	85	7	5	6	-	4-6	7-8	2500	0	1
7	Holyhead	1018.3	-10	WSW	4	ir	52	85	6	6	1	-	9+	10	1500	1	1
	Chester (Sealand)	1017.9	-10	NNW	2	c|r	56	85	6	5	7	-	4-6	9	2500	0	*
8	L'pool (Bidston)	1018.3	-12	NW	2	c	54	85	7	5	7	-	4-6	10	2500	0	*
9	Harrogate	1016.6	-6	SW	2	c	57	75	8	-	2	-	0	10	-	1	*
10	Spurn Head	1016.7	-8	ESE	2	c	52	95	6	5	2	8	4-6	9	1500	0	1
	Catterick	1016.0	-8	W	1	c	58	75	7	5	2	-	2-3	10	2500	1	*
	Tynemouth	1016.4	-14	S	2	o	52	95	6	6	-	-	10	10	1500	0	1
11	Inchkeith	1016.1	-6	WSW	4	rr	51	95	6	6	-	-	10	10	1500	1	2
	Leuchars	1015.8	-4	WSW	3	if.	52	75	7	5	7	-	7-8	9+	2500	1	*
12	Renfrew (Abbotts'l)	1016.6	-12	SW'S	4	rr	52	95	6	6	2	-	7-8	10	800	2|1	*
	Eskdalemuir	1016.7	-6	SW	3	c|r	50	85	7	5	2	-	4-6	10	1500	1	*
13a	Tiree	1016.4	+10	W	4	bc	53	75	8	8	3	-	1	4-6	2500	1	2
13b	Stornoway	1011.1	-8	SW	3	r.	50	95	7	8	2	-	4-6	10	1500	1	1
15	Dalwhinnie	1015.9	-4	W	2	rr	47	95	7	4	4	-	7-8	10	1500	1	*
	Aberdeen	1014.2	-16	SE	3	c	52	95	6	5	7	-	4-6	10	450	0	1
	Wick	1013.8	-18	SE	2	o|r	49	95	4	5	-	-	10	10	1500	1	2
16	Lerwick	1015.0	-16	SW	2	o	48	95	4	5	-	-	10	10	450	0	*
17	Blacksod Point	1022.5	+2	WNW	6	q	52	65	8	9	-	-	7-8	7-8	800	0	4
18	Malin Head	1017.9	+10	W	5	c|pr	53	65	7	3	8	-	7-8	9	1500	1	2
	Aldergrove	1018.5	+6	NW	5	q	54	65	8	8	-	-	9	9	2500	1	*
	Donaghadee	1018.3	-8	N	2	c	52	95	7	6	-	-	7-8	7-8	800	1	1
19	Birr Castle	1021.2	+8	NW	3	bc	57	65	8	7	4	-	2-3	4-6	2500	1	*
20	Valentia Obsy.	1025.4	+10	NWN	5	c	54	65	8	8	-	-	7-8	7-8	1500	1	3
	Roches Point	1021.3	+6	NW	5	bc	58	65	9	3	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 24th (37)	Weather. 13h.–18h. 24th (38)	Weather. 18h. 24th to 1h. 25th (39)	Weather. 1h.–7h. 25th (40)
1	London (Kew)	cbcy	bccy	cr.bc	bc
	Croydon	b3.cy	cy	c3.5.5.m.	circb
	S. Farnborough	bccbc	bccbcy	cr.cbc	bcb c
	Winchester	bbccy	cyc	cbccc	cbcc
	Boscombe Down	bccy	cyc	cbcc	obccbcc
	Calshot, S'thmtn	by	cy		c
	Dungeness	0	bc	*	pr.
	Lympne	bbc 3.c	c3o bcc	bc or. r.m.	r.m.c.q
2	Shoeburyness	bccm.bc	bcbc	bc	cir
	Felixstowe	oid. m.c	cbc	bccrr	crr RRm.
	Gorleston	cbc	bc	bcc	orr
	Cranwell	om5c3	c3o	ccrr	cpr.
3	Birmingham	bcb	b.c	cbc	cbcc
	Upper Heyford	cbc	c3.y	cpr	cprb
4	Ross-on-Wye	bbcy@	cvy	bccp	cbb
5	Portland Bill	bbcc	c	cbc	bbc
	Plymouth	bbcc	cbc	cb	bbc
	The Lizard	bc	bcpd.	cbc	bc
	Scilly (St. Mary's)	bccd.	id.c	cbc	bccbc
	Guernsey	bcb	bcc	co	ocbc
6	Pembroke	bcm fe f w	c	cbc	bcbcq
7	Holyhead	ff f o	ir.c	bcpcq	b
	Chester (Sealand)	bbcy	cm.r.	cRor.c	cpr.
8	L'pool (Bidston)	bc	bccbc	cperr	cq.bcq
9	Harrogate	bbcc	c	corr	cb
10	Spurn Head	idfc	bc	c	corr.
	Catterick	cb bc	bcc	cpror	orrbc
	Tynemouth	ocm	cffo	omr.	orrc
11	Inchkeith	c	corr	cirr r.	bcc
	Leuchars	om.id.c	bcym.	cr.r.c	ccr.
12	Renfrew (Abbotts'l)	cm.bcc	corrm.	orcb	b
	Eskdalemuir	cbc	bccir	cr.c	bc
13a	Tiree	crr.	cRr.c	bcpR	bcpr
13b	Stornoway	crr.	crr.	cbcpr	bcpr
15	Dalwhinnie	c	ir	*	ir
	Aberdeen	omc3o	oc3o	or.	or. c
	Wick	iffm.	or. rm	m.mcor	cr.bc
16	Lerwick	oirc m.	com	oifem	cdddn.F
17	Blacksod Point	bcq	bcq	pr.	pr.bc
18	Malin Head	cd.d	cpd	bcpr	bcc
	Aldergrove	od rrr.	or.brc	bc	bcw
	Donaghadee	cor. r.	or.pr.	cbc	bc
19	Birr Castle	cror	rcbc	bc	bccpr.
20	Valentia Obsy.	ciqbc	bcc	cbc	bccpr.
	Roches Point	cv	cv bcv	bcvb	blbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capitsl letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; –, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

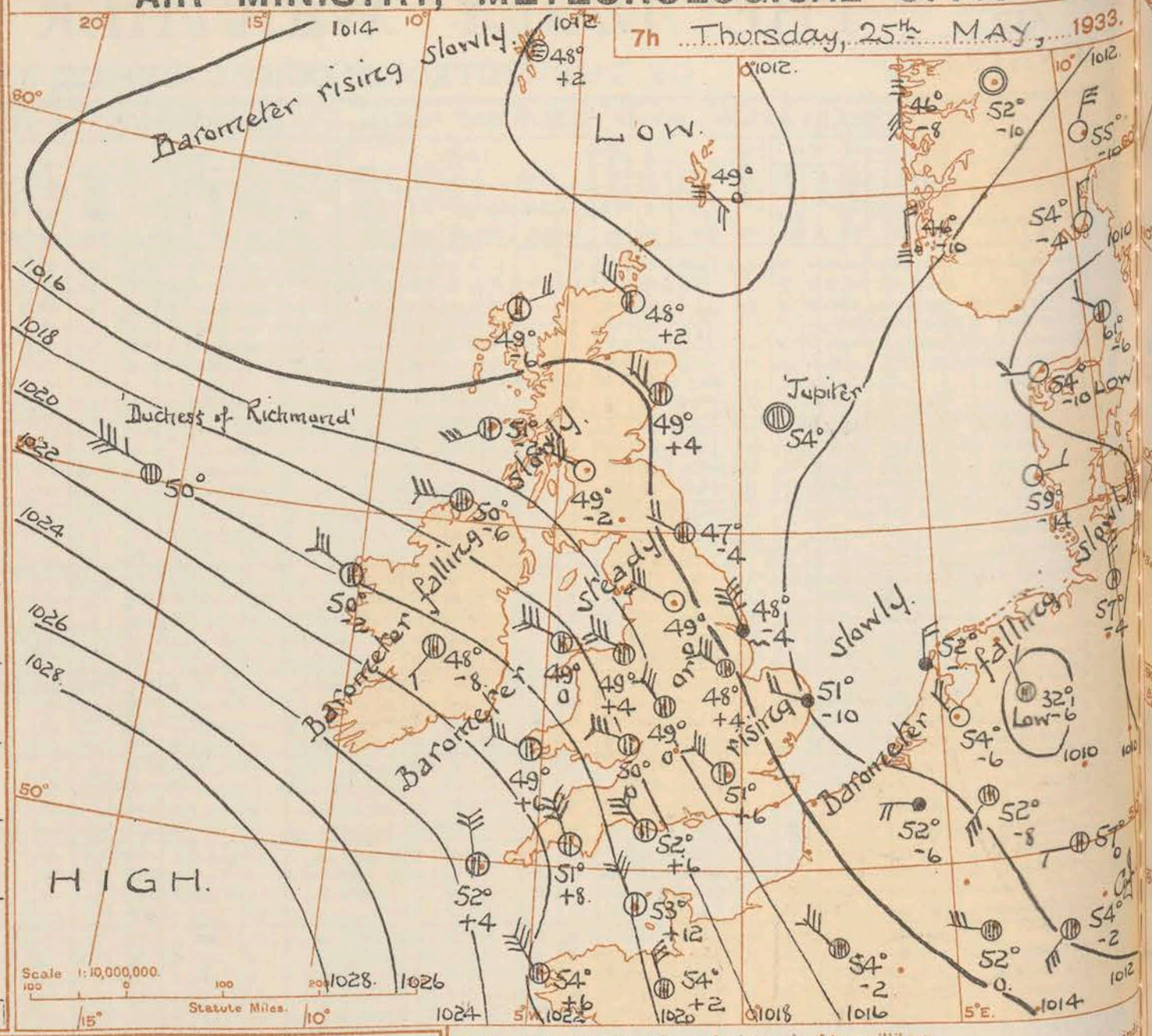
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 24th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 23rd to 9h. 24th	Temperature. Max. 9h.—17h. 24th	Rainfall. Night. 17h. 23rd to 9h. 24th	Rainfall. Day. 9h.—17h. 24th	Sunshine. Sunrise to 17h. 24th	Sunshine. Sunrise to Sunset. 23rd
1	Tunbridge W.	bbc	bcc	51	65	3	-	8·6	9.1
	Bournemouth	b	bbc	49	70	-	-	8·1	12.5
	Ventnor ...	pbj	bow	51	68	Trace	-	9·2	11·2
	Southsea ...	b	bbc	51	70	-	-	10·1	10.5
	Bognor Regis	b	bbcc	53	68	-	-	9·3	11·0
	Littlehampton	b	bcc	51	68	-	-	9·4	12.5
	Worthing ...	b	bbcc	53	67	-	-	9·6	12·3
	Brighton ...	bbc	bcc	53	68	-	-	8·5	12.4
	Eastbourne†	bbcc	co	54	68	-	-	7·2	13·2
	Hastings† ...	obc	bcc	53	65	-	-	9·1	9·9
	Folkestone ...	bcc	cbc	54	65	-	-	6·6	11·9
	Dover... ...	bcmo	ocbc	55	65	Trace	-	7·1	12·2
	Deal	bco	obc	55	65	-	-	4·4	12.0
	Ramsgate ...	c	cbc	(54)	63	-	-	4·1	12·1
	Margate ...	c	bc	52	59	-	-	3·5	12.4
2	Southend ...	ocbcm	bcz	51	66	5	-	5·9	10·4
	Maldon ...	ocb	bbc	51	65	0·5	-	6·0	12·8
	Clacton-on-Sea	bcombco	cbc	50	64	-	-	4·4	13·2
	Dovercourt ...	bc	bcc	52	62	-	-	1·3	12.5
	Lowestoft ...	dbcb	b	50	60	0·2	-	9·2	10·4
	Skegness ...	b	bcc	49	56	0·2	-	9·7	10·2
	Mablethorpe	bc	bbc	48	55	-	-	7·8	7·2
	Cleethorpes...	wjoc	co	48	57	Trace	-	4·4	3·4
3	Leamington S.	bc	bcc	48	69	-	-	7·5	8·8
4	Cheltenham†	bwb	bbccu	44	69	-	-	8·9	12.5
5	Bath	bbc	bcc	49	69	Trace	-	8·1	11·7
	Weymouth ...	b	bc	51	67	-	-	9·0	13·1
	Jersey ...	b	bbc	54	67	-	-	10·5	14·3
	Torquay ...	bybcc	bcvy	51	68	-	-	8·2	14·3
	Penzance ...	bc	bcpcb	49	63	-	Trace	8·2	13·7
	St. Ives ...	b	b	51	60	-	-	8·7	14·5
	Bude	bcc	cbcc	43	60	-	-	6·5	13·9
	Ilfracombe ...	bbc	bccbc	49	61	-	-	8·5	14·2
6	Aberystwyth	ojcbc	bbcc	50	59	-	-	7·5	9·5
7	Llandudno ...	bbc	cocc	48	60	-	Trace	7·3	9·7
	Colwyn Bay...	bbc	bcopc	48	59	-	Trace	7·0	6·9
	Rhyl								
8	Wallasey ...	b	bccc	50	58	-	Trace	7·1	6·8
	Southport‖ ...	bbc	bcop	51	60	-	0·2	6·4	7·2
	Blackpool ...	bc	co	51	58	-	-	6·9	8·1
	Morecambe ...	b	bbccd	50	57	-	0·3	8·8	9·9
9	Ilkley... ...	b	b	46	69	-	-	7·6	5·7
10	Berwick-on-T.	o	cocc	49	54	6	Trace	1·5	1·0
11	Dunbar ...	cm	cm	50	56	0·5	-	1·1	0·7
12	Troon... ...	wcbcc	corro	49	54	-	2	1·7	2·2
	Douglas ...	cbc	oirc	46	58	-	1	5·2	10·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th May, 1933.
1. S.E. England 2. E. England .. 3. E Midlands	Moderate or fresh northwest wind; bright intervals and local showers; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate or fresh northwesterly wind; mainly fair but local showers; moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & isle of Man 13. A. W Scotld. B. N.W Scotland. 14. Mid-Scotland 15. N.E. Scotland	Moderate or fresh west or northwest wind, strong locally; bright intervals and local showers; moderate temperature.
16. Orkneys and Shetlands.	Light or moderate variable wind; occasional rain or showers; moderate temperature.
17. N.W Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh west to northwest wind; variable cloud, local showers; moderate temperature.

GENERAL INFERENCE.

An anticyclone is situated northeast of the Azores. A shallow depression is centred near the Shetlands and a large area of low pressure covers the Baltic States and Central Europe. Winds will be mainly northwesterly and there will be bright intervals with local showers.

FURTHER OUTLOOK.

Bright intervals and local showers.

Forecasts issued at 0940 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.

H.M. Stationery Office Press, Kingsway W.C.2
Ps. 7551/2573. Wt. 4-7. D.6001. Gp. 9CR. 23560. 5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY,
25th MAY,
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 25th May 1933.

No. 26117

OBSERVATIONS at 1 hr. G.M.T. 25th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015.5	-10	W	2	bc	56	85	6	5	7	-	4 6	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.3	-16	SW	1	r.c	51	95	6	6	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014.6	-8	N'S	2	fc	53	88	6	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1017.3	-8	NW	3	b	54	95	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021.4	0	NW	4	bc	51	85	8	7	4	1	2-3	2-3	4000
	Scilly (St. Mary's)	163	1023.2	+8	N'W	5	bc	53	85	7	2	-	-	2-3	2-3	4000
	Guernsey ...	175	1019.1	-10	WNW	4	0	54	95	7	5	-	-	10	10	2500
6	Pembroke ...	142	1019.9	+6	NNW	3	bc	50	75	7	5	7	-	4.6	4.6	2500
7	Holyhead ...	26	1013.0	0	NW'N	6	q	50	75	7	2	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.6	-8	NNW	5	c	54	95	6	5	2	-	4.6	9	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1013.8	-10	WNW	1	r.c	50	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1015.1	+6	WSW	4	bc	47	85	8	5	-	-	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1012.3	0	WSW	2	bc	45	95	6	8	7	-	4.6	4.6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.4	0	NW	3	r.c	47	95	8	8	1	-	7.8	9	1500
16	Lerwick ...	54	1012.5	-8	E'S	1	m	49	95	4	5	-	-	10	10	450
17	Blacksod Point	18	1021.5	-10	NNW	5	p.c	49	75	8	9	-	-	7.8	7.8	800
18	Malin Head ...	52	1017.9	-4	W	4	bc	49	65	7	3	-	-	2-3	2-3	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1015.5	-6	WNW	4	bc	50	75	8	4	-	-	2-3	2-3	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1015.7	+10	NNW	4	bc	51	65	8	7	-	3	2-3	2-3	2500	0	*
1015.8	+6	NW	4	bc	51	65	8	1	3	-	1	2-3	4000	1	*
1016.2	+2	WNW	3	c	52	66	8	8	3	9	7-8	7-8	4000	0	*
1016.9	+2	NNW	3	c	49	75	8	5	4	-	9	9+	2500	0	*
1017.1	+2	NW'N	5	c	51	65	8	7	3	-	9	9+	2500	0	*
1016.7	+10	NW	4	c	51	75	8	8	7	-	7-8	9	1500	0	2
*	*	NW	4	cq	*	*	7	3	-	*	9	9	800	*	3
1014.1	+2	NW'N	5	cq	50	75	7	5	-	-	9+	9+	1500	1	*
1013.9	-4	NW	3	r.c	48	95	7	5	2	-	4.6	9	1500	1	*
1013.5	-6	NW'W	4	RR	50	95	6	6	2	-	9	10	450	1	2
1011.9	-10	W'N	2	r.c	51	95	5	6	-	-	10	10	1500	1	1
1014.4	+4	NW	4	c/pr	48	85	7	9	-	-	7-8	7-8	2500	1	*
1016.9	+0	NW	4	c	49	75	8	9	-	-	9	9	1500	1	*
1016.5	+2	NW	4	bc	49	75	8	1	-	-	2-3	2-3	1500	1	*
1018.1	+0	WNW	4	bc	50	85	8	1	-	-	2-3	2-3	4000	0	*
1018.3	+6	NNW	5	bc	52	85	8	4	-	-	2-3	2-3	2500	0	3
1021.0	+8	NNW	6	bc	51	65	8	2	-	-	4.6	4.6	2500	0	2
1022.3	+0	NNW	4	bc	52	65	8	8	-	-	4.6	4.6	2500	0	2
1023.6	+4	N'W	5	bc	52	75	8	4	6	-	2-3	4.6	4000	0	3
1019.6	+12	NNW	5	bc	53	65	7	7	1	-	4.6	4.6	2500	0	3
1021.1	+6	WNW	4	bc	49	75	7	8	6	-	4.6	4.6	1500	0	2
1018.8	+0	WNW	5	bc	49	75	8	2	4	1	1	2-3	2500	1	3
1017.8	+4	WNW	5	c/pr	49	75	7	8	3	-	7-8	7-8	2500	1	*
1017.6	+0	NW	5	bcq	48	75	8	8	-	-	4.6	4.6	4000	0	*
1014.5	+0	NNW	5	b	49	65	7	3	3	4	fr	1	4000	1	*
1012.4	-4	NNW	7	rr	48	95	6	6	-	-	10	10	1500	1	4
1014.6	-2	WNW	4	bc	48	75	8	8	-	-	4.6	4.6	4000	1	*
1013.6	-4	WNW	2	c	47	75	7	5	-	-	9	9	1500	1	1
1014.9	+4	WSW	4	c	44	85	7	5	7	-	4.6	7.8	2500	0	3
1015.0	+8	SW	2	r.c	47	75	8	6	-	-	9+	9+	1500	1	*
1015.7	-2	WNW	3	bc	49	75	8	2	-	-	1	1	2500	1	*
1015.3	+0	NW'N	4	bc	47	75	8	8	3	-	2-3	4.6	1500	1	
1015.1	-2	WSW	3	bc	51	75	8	8	8	3	1	4.6	1500	1	2
1011.5	-6	ENE	2	bc	49	85	8	8	6	-	2-3	4.6	2500	1	1
1015.1	-2	NW	1	bc	46	75	8	4	1	-	2-3	4.6	4000	1	*
1013.6	+4	NW	3	c	49	75	8	5	7	-	4.6	9	4000	1	1
1012.6	+2	NW	3	bc	48	85	8	5	4	1	2-3	2-3	4000	1	2
1011.8	+0	SE	2	F	49	95	1	5	-	-	10	10	450	1	*
1019.5	-2	NW'W	4	bc	50	75	8	8	7	-	4.6	7.8	800	0	3
1016.4	-6	W	4	c	50	75	8	4	8	3	2-3	9	1500	0	3
1018.1	-4	WSW	3	c	47	85	8	6	7	4	2-3	7.8	1500	1	*
1018.9	-2	WNW	3	bc	49	85	8	5	3	4	2-3	4.6	2500	0	1
1020.7	-8	SW	1	c	48	85	8	5	-	-	7-8	7-8	2500	1	*
1024.6	-4	W'N	5	pr	52	65	8	5	-	-	9+	9+	1500	1	3
1023.7	-6	NW	3	bc	47	85	8	3	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 24th Hrs. (36)
67	51	48	-	0.1	9.4
66	50	49	-	1	6.6
69	49	43	-	Tr	6.7
67	47	44	-	-	9.8
67	46	42	-	-	9.6
68	50	47	-	-	10.2
67	50	*	-	Tr	*
61	46	46	-	0.5	6.8
65	47	43	-	1	6.2
61	50	48	Tr	10	2.4
59	48	45	-	8	10.9
67	47	45	-	2	4.1
67	45	40	Tr	1	8.4
67	45	41	-	1	*
69	47	43	-	0.6	9.1
61	50	*	-	-	*
64	50	45	-	-	11.1
64	48	*	-	-	*
62	50	*	0.1	-	8.3
64	52	50	-	-	10.0
58	46	*	-	-	3.8
57	48	45	2	0.5	3.2
65	48	44	Tr	4	6.2
59	47	39	Tr	3	6.5
67	45	42	-	1	8.5
59	46	*	Tr	5	4.9
65	46	44	-	5	4.4
58	45	44	-	4	*
59	44	41	2	1	1.7
60	45	43	0.1	1	0.7
58	38	34	4	0.1	2.4
61	39	36	1		3.1
55	45	37	2	0.16	3.3
53	43	*	4	0.3	0.5
55	35	30	2	2	0.7
53	47	46	-	2	0.6
51	45	*	0.6	5	*
49	47	*	-	0.2	0.2
57	46	*	1	3	*
55	47	*	3	Tr	2.8
54	41	34	4	-	0.4
56	(42)	*	7	-	*
60	46	33	0.5	Tr	4.0
58	49	44	0.2	0.1	4.9
63	45	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs, ended 9h.)	Weather. Afternoon. (24 hrs, ended 9h.)	Weather. Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cbcy	bccy	cc bc	67	51	48	-	0.1	3.4	*	*	8
CROYDON	217	bzcy	cy	cr c m w	66	50	49	-	1	6.6	*	*	8
GREENWICH (Royal Observatory) ...	149	c	by	cir bcy	67	48	45	-	1	4.5	54	57	7
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	7.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	70	51	47	-		7.8	45	50	*
‡REGENTS PK. (Botanic Gardens) ...	168	*	*	*	70	49	46	0.5		7.3	60	59	*
CAMDEN SQUARE	110	c	c	*	69	50	46	-	0.3	*	*	57	*
KENSINGTON	80	bcco	bcbc	*	68	50	45	-	Tr	7.6	At 18h. 56		*
HAMPSTEAD OBSERVATORY	450	c	bc	or	66	46	42	-	0.3	8.0	69	55	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 24th 25th May

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1016.7	NW	5	bc	64
BRUSSELS	1014.6	NW	1	c/p	61
BERLIN	1013.4	N	1	f c	61
ZÜRICH	1013.0	SW	1	l c	68
ROME					

7h. G.M.T. 25th May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1014.7	NW	4	c	54
1012.3	W	2	m c	52
1009.8	-	0	c	51
1012.8	WSW	2	c	55

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 25th

South Kensington. Max.	Time.	Min.	Time.
0.3	9h-24h	N.L.	13-16h, 24h-6h, 0.6 25th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	22h-24h	0.1	14hrs-24h

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72		-	
70	46	Tr	-
64	50	-	
75	52	0.1	7

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 26th May 1933.
No. 26118

OBSERVATIONS at 13h. G.M.T. 25th May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1014.6	-6	NW	4	pr.	56	55	8	8	-	-	9	9	2500
	Croydon ...	1014.6	-8	NWiW	4	c	56	55	7	8	-	-	7-8	7-8	2500
	S. Farnborough	1015.3	-4	NWiW	4	c/phgr	54	65	8	8	8	-	7-8	7-8	2500
	Winchester ...	1015.9	-6	NW	5	c	57	45	9	8	-	1	7-8	7-8	4000
	Boscombe Down	1016.2	-6	NW	5	c/p	56	45	8	9	-	-	9	9	1500
	Calshot, S'thmtn	1016.2	-4	NWiW	5	c/pr	59	45	8	8	-	-	7-8	7-8	4000
	Dungeness ...	*	*	NW	4	q	*	*	7	8	-	*	9	9	800
	Lympne ...	1013.8	0	NNW	4	c	54	55	7	7	-	-	9	9	4000
2	Shoeburyness	1013.4	-6	NW	4	c	56	55	7	8	2	-	7-8	9+	4000
	Felixstowe ...	1012.5	-6	NWiN	4	pr.	53	75	8	9	7	-	7-8	10	1500
	Gorleston ...	1011.5	0	NWiW	5	id.	49	85	6	6	-	-	10	10	2500
	Cranwell ...	1013.0	-6	NW	4	c	56	55	7	8	-	-	7-8	7-8	2500
3	Birmingham ...	1015.7	-4	NW	4	bc	54	55	8	8	4	-	2-3	4-6	2500
	Upper Heyford	1015.3	-6	NW	5	bc	56	55	8	8	-	1	4-6	4-6	2500
4	Ross-on-Wye ...	1016.6	-4	WNW	4	bc/pr	55	65	8	2	-	-	4-6	4-6	4000
5	Portland Bill...	1017.6	-6	NW	5	c	56	75	8	5	-	-	7-8	7-8	2500
	Plymouth ...	10204	-2	WNW	6	c/pr	55	55	8	8	-	3	7-8	7-8	2500
	The Lizard ...	10222	0	NW	4	bc	56	65	8	8	-	-	4-6	4-6	4000
	Scilly (St. Mary's)	10237	-2	NW	5	bc	58	65	8	8	-	-	2-3	2-3	4000
	Guernsey ...	10202	+4	NW	5	b	56	65	8	-	-	-	0	0	-
6	Pembroke ...	1019.9	-8	WNW	3	bc	54	75	8	7	6	9	2-3	4-6	2500
7	Holyhead ...	1017.5	-6	WNW	4	bc	54	75	8	2	-	1	2-3	2-3	2500
	Chester (Sealand)	1016.8	-4	NWiW	5	bc	54	65	8	1	-	-	4-6	4-6	2500
8	L'pool (Bidston)	1016.5	-2	NW	5	q	52	75	9	1	-	-	2-3	2-3	2500
9	Harrogate ...	1013.5	-6	N	3	c	56	55	8	8	8	1	4-6	7-8	4000
10	Spurn Head ...	1012.2	0	NNW	6	ir	51	95	7	3	2	-	7-8	9+	2500
	Catterick ...	1013.6	-4	NNW	4	c/pr.	54	65	8	8	-	-	10	10	2500
	Tynemouth ...	1013.7	0	NNW	3	c/r	49	85	8	9	-	-	9	9	1500
11	Inchkeith ...	1014.4	-4	W	1	c	57	55	8	8	4	-	7-8	9+	4000
	Leuchars ...	1014.4	-2	E	3	c	57	55	8	8	6	8	4-6	9+	4000
12	Renfrew (Abbotts)	1014.5	-6	WiN	3	bc	55	65	8	3	-	1	4-6	4-6	4000
	Eskdalemuir ..	1013.6	-4	NW	3	c	55	55	8	8	-	1	4-6	7-8	2500
13a	Tiree	1015.0	+2	SWiW	3	c/p	54	75	8	2	7	9	4-6	9	1500
13b	Stornoway ...	1011.8	+2	S	2	c	54	75	8	8	7	1	2-3	7-8	1500
15	Dalwhinnie ...	1014.6	-2	NW	1	c	51	65	8	4	1	-	4-6	9	4000
	Aberdeen ...	1014.0	+2	NE	4	c	54	65	8	8	7	-	2-3	9+	4000
	Wick	1014.0	+8	SSW	3	c	52	65	8	8	7	1	4-6	7-8	2500
16	Lerwick ...	1013.1	+6	S	2	c	49	95	6	5	2	-	4-6	10	450
17	Blacksod Point	1018.3	-2	WNW	6	br.	54	65	8	8	-	-	9	9	450
18	Malin Head ...	1016.4	+6	W	3	c/pr	50	95	7	8	1	-	9	10	800
	Aldergrove ...	1016.6	-4	W	3	c/pr	54	75	9	8	3	-	4-6	9	2500
	Donaghadee ...	1016.5	0	NW	3	bc	53	75	8	5	3	-	4-6	4-6	2500
19	Birr Castle ...	1019.3	-4	NW	2	c/pr	54	75	7	3	-	-	9	9	2500
20	Valentia Obsy.	1024.2	0	WiN	5	c	55	65	8	5	-	-	7-8	7-8	2500
	Roches Point...	1020.8	-12	NW	5	bc	57	65	9	3	-	-	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 25th May

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1013.5	-8	WNW	4	bc	57	55	8	2	-	4	2-3	2-3	2500	0	*
	Croydon ...	1013.5	-6	W	4	c	56	55	8	8	-	1	4-6	7-8	4000	0	*
	S. Farnborough	1014.3	0	WNW	3	bc/pr	51	75	8	8	6	3	4-6	4-6	2500	1	*
	Winchester ...	1015.3	-8	NW	4	c	52	65	9	5	-	-	9	9	4000	0	*
	Boscombe Down	1015.7	-6	NWiN	4	pr	50	75	8	9	-	1	7-8	7-8	1500	1	*
	Calshot, S'thmtn	1015.9	-2	W'S	4	pr.	50	85	7	8	4	-	7-8	7-8	4000	1	2
	Dungeness ...	*	*	NNW	2	bc/pr	*	*	7	3	8	*	4-6	4-6	800	*	2
	Lympne ...	1013.0	-4	NWiN	4	c	56	45	7	8	-	1	7-8	7-8	4000	0	*
2	Shoeburyness	1012.8	0	NWiW	5	c	55	55	7	4	7	-	4-6	9+	4000	1	*
	Felixstowe ...	1012.2	0	NNW	4	pr.	53	85	7	8	7	-	4-6	9+	1500	1	2
	Gorleston ...	1011.0	-4	NW	4	ir.	50	95	6	6	-	-	10	10	1500	1	3
	Cranwell ...	1013.4	+2	NWiW	2	c/r	49	95	6	8	-	-	10	10	2500	1	0
3	Birmingham ...	1014.8	-2	NNW	4	b	54	45	8	1	-	-	1	1	4000	1	*
	Upper Heyford	1014.2	-8	NW	4	bc	56	55	8	8	7	-	4-6	4-6	4000	0	*
4	Ross-on-Wye ...	1016.8	-4	NW	2	c	53	65	9	8	-	1	7-8	7-8	4000	0	*
5	Portland Bill...	1016.1	-16	WNW	6	bc	53	85	8	5	-	-	4-6	4-6	2500	0	4
	Plymouth ...	1019.1	-6	NWiW	6	c/pr	55	65	8	8	3	-	7-8	7-8	2500	0	3
	The Lizard ...	1020.5	-8	NW	5	q	54	75	8	8	1	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	1021.8	-16	NW	6	b	55	75	8	2	-	-	1	1	4000	0	4
	Guernsey ...	1019.3	-10	NW	4	c	54	75	8	8	-	-	7-8	7-8	2500	0	3
6	Pembroke ...	1018.2	0	NW	2	c	50	85	7	3	6	-	4-6	9+	1500	0	2
7	Holyhead ...	1016.6	-8	WiN	4	bc	53	75	8	5	-	1	4-6	4-6	5700	0	1
	Chester (Sealand)	1015.8	-4	NWiW	5	b	54	65	9	1	-	1	Tr.	1	4000	0	*
8	L'pool (Bidston)	1015.4	-10	NW	4	b	53	75	9	1	-	-	Tr.	Tr.	4000	0	*
9	Harrogate ...	1013.9	0	N	2	ir	49	85	6	6	2	-	9	10	2500	1	*
10	Spurn Head ...	1011.7	0	N	6	ir.	50	95	6	3	2	-	4-6	10	1500	1	4
	Catterick ...	1013.6	-2	NNE	1	c/pr.	50	85	8	8	-	-	7-8	7-8	4000	1	*
	Tynemouth ...	(1013.0)	+2	NNE	3	c	49	85	8	4	-	-	7-8	7-8	4000	1	2
11	Inchkeith ...	1013.9	-0	E	3	id.	52	75	8	8	3	1	4-6	7-8	2500	0	3
	Leuchars ...	1014.4	+2	E	3	c/p	52	65	8	8	5	3	1	9	2500	0	*
12	Renfrew (Abbotts)	1013.8	-4	W'S	4	bc/pr	57	65	8	1	-	-	2-3	2-3	4000	1	*
	Eskdalemuir ..	1013.1	-2	WNW	4	bc	55	65	8	8	-	1	2-3	2-3	4000	1	*
13a	Tiree	1014.7	0	SW'S	3	b	52	75	8	2	4	9	1	1	2500	0	4
13b	Stornoway ...	1011.4	-2	S	2	bc	55	75	9	8	7	1	2-3	4-6	2500	1	1
15	Dalwhinnie ...	1013.5	0	NW	1	bc	54	55	8	4	1	-	2-3	4-6	4000	0	*
	Aberdeen ...	1013.9	0	ENE	2	c	51	75	8	5	7	-	4-6	7-8	7200	1	1
	Wick	1014.3	+2	S	1	bc	50	85	8	1	6	8	2-3	4-6	2500	0	1
16	Lerwick ...	1013.4	+2	-	0	c	50	95	6	5	2	-	4-6	10	1500	0	*
17	Blacksod Point	1018.2	0	WNW	6	q	52	75	8	8	-	-	7-8	7-8	450	0	4
18	Malin Head ...	1015.6	-2	W	4	bc	51	85	7	8	3	3	4-6	4-6	1500	1	3
	Aldergrove ...	1016.4	-2	WNW	2	pr	51	85	8	3	-	-	9+	9+	1500	1	*
	Donaghadee ...	1016.2	+2	-	0	bc	52	75	8	5	3	-	4-6	4-6	2500	0	0
19	Birr Castle ...	1018.8	+4	NW	3	c/pr	51	75	7	6	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	1023.0	-6	WiN	5	c	54	75	8	7	-	-	7-8	7-8	2500	1	3
	Roches Point...	1020.4	-6	NW	5	bc	56	65	9	3	-	-	4-6	4-6	1500	0	4

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 25th (37)	Weather. 13h.–18h. 25th (38)	Weather. 18h. 25th to 1h. 26th (39)	Weather. 1h.–7h. 26th (40)
1	London (Kew)...	bccp.	cy bcy	bc	b cir.m. fbmo
	Croydon ...	bbccy	bcy pr.	bccubcc	bxc
	S. Farnborough	cip.r.h.	bcy c pr	bc b	bxc
	Winchester ...	ct y	cyc pr	c b c b	b
	Boscombe Down	cy	c pr r c	c b c	b
	Calshot, S'thmtn	c b c q	bc p r. q	bc p r. b	b
	Dungeness ...	o	p *	*	o
	Lympne ...	b c c y	cy	c r b c m.	b c s d e m.
2	Shoeburyness	cir.c	c	c i m.	c m.
	Felixstowe ...	c r r. m. p.	c p. c	c p. c	c
	Gorleston ...	or.d.q	oir.dq	oir.q	oir.cq
	Cranwell ...	c b c c	c, cr	cr.m.	r m o d c
3	Birmingham ...	bc p r.	bc	b b c	bc
	Upper Heyford	b b c p b y y	c q y	c y b	b c
4	Ross-on-Wye ...	bccp.	c b c c	c p b b	b h.
5	Portland Bill...	bcc	c	bc	b c b c
	Plymouth ...	b c y p r. q	cy p r. q	c q p r b	b c p r
	The Lizard ...	b c q	b c p r.	c q p r.	b c p r.
	Scilly (St. Mary's)	bc	b c b	b b c	b c c
	Guernsey ...	b c b	b c c		c
6	Pembroke ...	b c q b c	b c p r q m c	c b c	b c p r c
7	Holyhead ...	b b c	b b c	b c c	c
	Chester (Sealand)	c p r. c	b c b v	b r	b w b c
8	L'pool (Bidston)	b c q p v	b q v b v	b r	b r b c
9	Harrogate ...	b b c	b c c i r	c i r.	b c b.
10	Spurn Head ...	c r i r	c i r.	i r. c	b c
	Catterick ...	b c c p r.	c p r.	c b c b	b w b
	Tynemouth ...	or.r.	c i r. c	c p. c	c b c
11	Inchkeith ...	c	c	b c c	c m.
	Leuchars ...	c i r. c y	c y c j p	c j p b c	b c b w
12	Renfrew (Abbotts)	b q p	b c. p r.	b c b	b w .
	Eskdalemuir ..	b c b c y	b c y	b c y c	c b c b
13a	Tiree	b c p r.	c b c	b b c p r	c w .
13b	Stornoway ...	b c c p r.	b c	b c	b c
15	Dalwhinnie ...	c	i r	*	b c
	Aberdeen ...	c y c	c	b c b w	b w s
	Wick	b c c	c b c	b c	b c
16	Lerwick ...	o f f e c m.	c m.	c m.	c
17	Blacksod Point	p r. c q	p r. c q	p r. c q	c
18	Malin Head ...	c p r	c p r b c	c p r b c	b c p r.
	Aldergrove ...	b c c p r.	c p	c p r c	b c w.
	Donaghadee ...	b c	p r. b c	b c	b c
19	Birr Castle ...	c p r.	c p r.	c	c w.
20	Valentia Obsy.	c p r. b c p r c	c b c c	c p r. c	c p r. c
	Roches Point...	b c p b c v	b c p b c v	b c w p. c	c p. c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight: repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

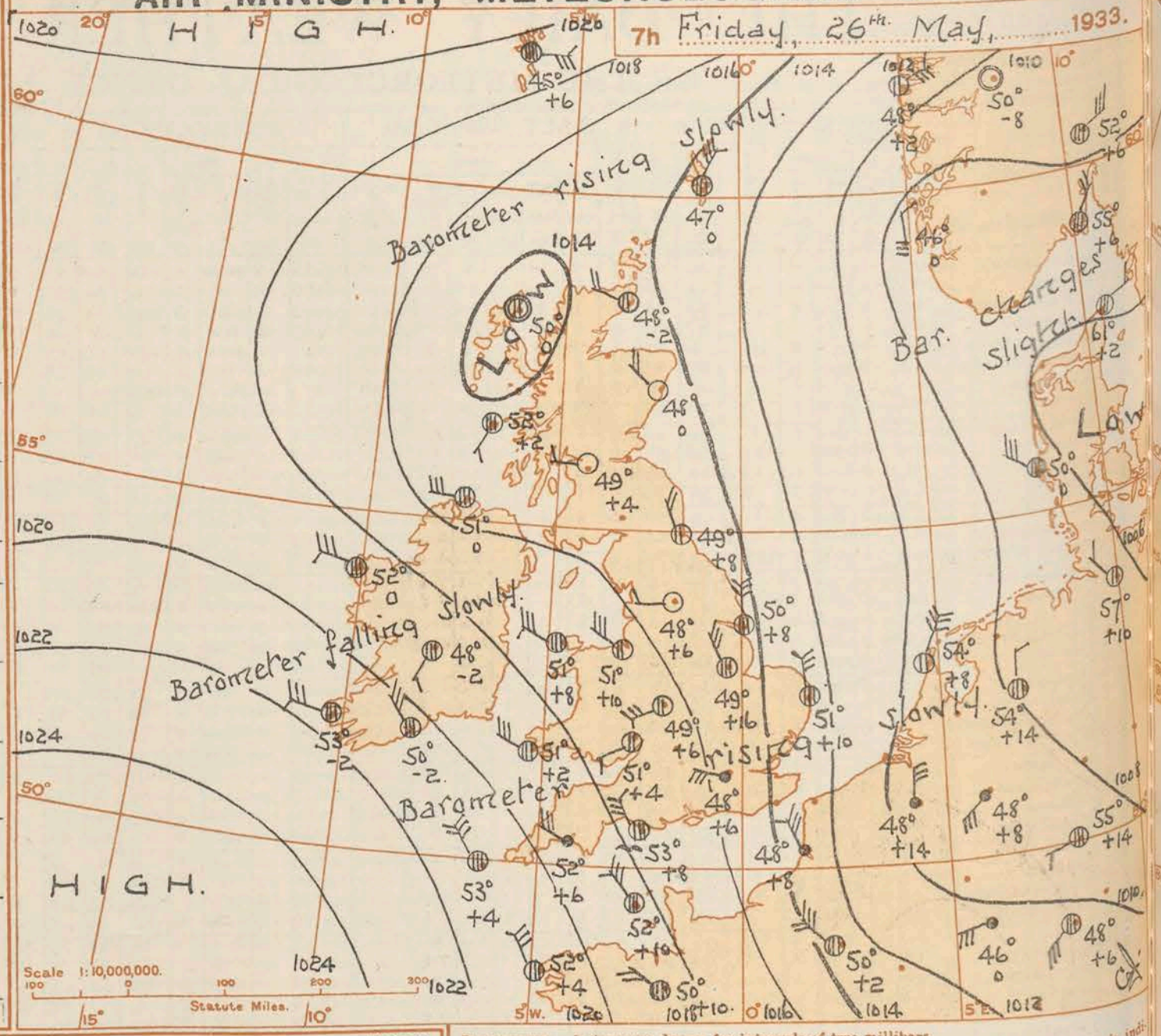
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for... 25th May ..... 1933.

District	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 24h. to 9h. 25h.	Temperature. Max. 9h.—17h. 25h.	Rainfall. Night. 17h. 24h. to 9h. 25h.	Rainfall. Day. 9h.—17h. 25h.	Sunshine. Sunrise to 17h. 25h.	Sunshine. Sunrise to Sunset. 24h.
1	Tunbridge W.	bc	bc	47	59	0·5	-	6·7	8·6
	Bournemouth	bbcc	c	50	60	-	-	8·2	8·4
	Ventnor ...	cbc	bcor	51	60	-	0·3	5·5	9·2
	Southsea ...	bcb	bcb	51	61	-	-	8·5	10·1
	Bognor Regis	bc	bcirb	52	61	-	Trace	7·3	9·3
	Littlehampton	bc	bc	52	62	-	-	6·6	9·4
	Worthing ...	bc	bccp	52	60	-	Trace	8·3	9·7
	Brighton ...	bc	bc	53	62	Trace	-	9·5	8·5
	Eastbourne†	bbc	bcbc	53	63	0·6	-	8·8	7·2
	Hastings† ...	bbc	bcbc	51	60	0·4	-	6·9	9·1
	Folkestone ...	rbbc	bc	52	60	0·3	-	6·8	6·8
	Dover... ...	cbc	cbc	51	60	0·3	-	5·3	7·3
	Deal	obc	co	49	59	2	-	1·8	4·7
	Ramsgate ...	obc	bcc	45	59	1	-	3·2	4·6
	Margate ...	cbc	bcc	50	56	1	-	2·6	4·1
2	Southend ...	c	cbcc	48	59	1	-	2·6	5·9
	Maldon ...	rc	c	49	58	8	-	1·2	6·0
	Clacton-on-Sea	cbrrc	c	48	56	12	-	0·2	4·8
	Dovercourt ...	rbcc	bccc	48	57	10	-	0·2	1·4
	Lowestoft ...	copr	oldo	46	50	9	0·2	0·0	10·6
	Skegness ...	rom	omr	47	53	2	2	0·2	9·7
	Mablethorpe	o	orc	46	52	2	Trace	0·1	7·8
	Cleethorpes...	oir	oirbo	47	53	4	0·5	0·0	4·4
3	Leamington S.	bcc	c	46	59	2	-	5·4	7·5
4	Cheltenham†	cbcc	chcir	47	58	0·5	2	6·7	9·1
5	Bath	bcpc	cbcp	51	60	0·3	Trace	7·5	9·2
	Weymouth ...	b	bcb	49	61	-	-	9·5	10·0
	Jersey ...	b	bc	54	59	-	-	9·8	10·7
	Torquay ...	bqrbcc	pqbcqr	50	59	-	0·3	10·4	9·4
	Penzance ...	cpbco	bcb	48	59	Trace	-	10·1	8·3
	St. Ives ...	b	b	50	56	-	-	9·8	8·7
	Bude	bc	bccp	50	56	-	Trace	8·6	6·7
	Ilfracombe ...	b	b	50	55	-	-	10·2	8·5
6	Aberystwyth	crbc	bcbbc	49	56	0·5	-	10·2	7·7
7	Llandudno ...	bc	bc	48	55	2	-	11·0	7·9
	Colwyn Bay...	bcb	bcb	47	58	1	-	10·0	7·2
	Rhyl								
8	Wallasey ...	bc	b	48	56	4	-	10·0	7·1
	Southport‖ ...	bccb	b	48	57	2	-	11·5	6·4
	Blackpool ...	cbc	bc	48	56	3	-	10·4	6·9
	Morecambe ...	b	b	47	57	5	-	10·3	8·8
9	Ilkley... ...	b	bcr	44	59	2	Trace	6·0	7·6
10	Berwick-on-T.	oc	o	46	54	1	-	1·3	1·5
11	Dunbar ...	bc	bc	44	56	2	-	0·8	1·1
12	Troon... ...	rcbcc	cbc	47	56	2	-	12·0	2·3
	Douglas ...	cbbc	bc	44	56	6	-	11·7	5·2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate northwesterly wind; mainly fair but local showers; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate northwest or west wind, fresh locally; fair apart from local showers at first, perhaps occasional rain or drizzle later; moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England 11 S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate northwesterly wind; mainly fair but local showers; moderate temperature.
13. {A. W Scotld. B. N.W. Scotland.	Light north or northeast or variable wind; variable cloud, local showers; moderate or rather low temperature.
14. Mid-Scotland 15 N.E. Scotland 16 Orkneys and Shetlands.	
17. N.W Ireland	As 19 - 20.
18. N.E. Ireland	Light or moderate westerly wind; cloudy, local showers; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Light or moderate westerly wind; cloudy, local showers at first, occasional rain or drizzle later; moderate temperature.

GENERAL INFERENCE.

Pressure is high to southwest of the British Isles and to northeast of Iceland and low over Western Russia. Weather will be mainly fair apart from local showers but occasional rain or drizzle may occur later in the Southwest.

FURTHER OUTLOOK.

Rather unsettled but bright intervals.

Forecasts issued at 0940 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Ps.755/2573. Wt.47. 0.600/1 Gp.908.23 Ltd.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of FRIDAY, 26TH MAY, 1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1: 4 x 10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 26th May 1933.

No. 26118

OBSERVATIONS at 1 hr. G.M.T. 26th May

Districts.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1014.6	0	W'N	3	c	49	75	8	7	7	-	7·8	7·8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.1	-2	NW	3	bc	46	95	6	5	-	-	4·6	4·6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1010.6	-2	NW'N	3	ic	49	95	7	6	-	-	10	10	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.6	+2	NNW	4	bc	50	85	8	4	-	-	2·3	2·3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1020.3	0	N'W	3	bc	49	95	8	8	-	1	2·3	4·6	2500
	Scilly (St. Mary's)	163	1021.5	-4	NNW	5	bc	52	85	8	2	-	-	2·3	2·3	4000
	Guernsey ...	175														
6	Pembroke ...	142	1019.0	0	NW	3	bc	50	85	8	4	6	1	2·3	4·6	2500
7	Holyhead ...	26	1016.7	0	NW	4	c	51	85	7	5	-	-	9	9	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011.3	0	NNW	5	c	49	95	7	5	2	-	4·6	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014.0	+6	NW	3	c	48	85	7	6	-	-	7·8	7·8	1500
11	Inchkeith ...	190	1014.9	+4	ENE	2	c	48	85	8	5	-	-	7·8	7·8	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1013.0	+2	-	0	bc	46	95	8	8	4	-	2·3	2·3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015.1	0	WNW	2	bc	42	95	8	8	3	1	2·3	2·3	4000
16	Lerwick ...	54	1013.8	+2	NNE	3	c	46	85	7	5	2	-	4·6	9	1500
17	Blacksod Point	18	1017.9	0	WNW	4	c	51	85	7	8	-	-	9	9	220
18	Malin Head ...	52	1015.5	-4	W	2	bc pr	49	95	7	6	-	-	4·6	4·6	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021.5	-10	NW	4	c	52	85	8	5	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 26th May

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1015·3	+6	NW	2	c	50	75	7	5	2	-	9	10	2500	0	*
1015·2	+6	WNW	3	ir.	48	85	6	5	2	-	9+	10	1500	0	*
1015·8	+12	NW'W	3	c	48	85	8	7	3	-	7·8	7·8	5700	0	*
1016·0	+6	NW'W	3	bc	49	85	8	-	5	-	0	2-3	-	0	*
1016·5	+8	NW	4	bc	49	85	7	1	-	-	1	1	2500	0	*
1016·2	+8	NW'W	4	b	50	85	7	-	-	-	0	0	-	0	2
*	*	NW	3	cq	*	*	6	5	-	*	9+	9+	1500	*	2
1013·6	+10	NW'N	5	o/c	48	85	6	5	-	-	10	10	800	1	*
1013·2	+10	NNW	4	c	51	85	6	5	-	-	9	9	800	2	*
1013·1	+10	NNW	4	bc	51	85	7	7	3	9	2-3	4-6	1500	0	2
1012·3	+10	NNW	4	c	51	95	6	8	-	-	7·8	7·8	1500	1	3
1015·1	+16	NW'N	3	c	49	95	6	5	-	-	10	10	800	1	*
1016·5	+6	NW	4	bc	49	85	7	5	-	-	7·8	7·8	1500	0	*
1016·5	+16	NW	3	c	47	85	7	5	3	-	2-3	9	450	0	*
1016·9	+4	SW	1	bc	51	75	8	8	-	-	2-3	2-3	4000	0	*
1017·3	+8	NNW	4	bc	53	85	8	4	-	-	2-3	2-3	2500	0	4
1019·1	+6	WNW	3	pr.	52	75	8	9	6	-	9	9	800	1	2
1020·4	+2	NW'N	4	pr.	52	85	7	8	6	-	7·8	9	2500	1	3
1021·8	+4	NW'N	5	c	53	85	7	8	6	-	7·8	7·8	2500	0	3
1018·6	+10	NW'N	4	c	52	85	8	8	-	-	7·8	7·8	2500	0	3
1019·1	+2	WNW	3	c	51	75	7	5	7	-	4-6	9	2500	0	2
1017·5	+8	WNW	4	c	51	85	8	5	-	-	9+	9+	1500	0	2
1017·0	+10	WNW	3	bc	51	85	7	2	-	-	4·6	4·6	1500	0	*
1017·0	+4	NW	3	bc	51	85	8	2	-	-	4·6	4·6	2500	0	*
1015·7	+6	W	1	b	48	85	7	3	4	-	Tr	Tr	2500	1	*
1014·2	+8	N	5	c	50	95	7	3	3	-	4·6	7·8	4000	0	3
1015·5	+6	-	0	b	51	85	7	2	6	-	2-3	2-3	4000	1	*
1015·0	+8	NNW	2	bc	49	85	6	2	-	-	4·6	4·6	2500	1	1
1015·2	+6	SW	2	c	45	(75)	6	5	-	-	4·6	4·6	2500	0	2
1015·5	+0	NW	2	bc	51	45	8	1	3	-	Tr	2·3	4000	0	*
1015·5	+4	W	1	bc	49	85	7	1	3	-	1	1	4000	1	*
1015·5	+2	-	0	b	48	45	8	5	-	-	Tr	Tr	4200	1	*
1014·6	+2	SWS	1	c	52	85	6	3	3	-	2·3	7·8	1500	1	3
1013·5	+0	-	0	bc	50	95	9	1	-	-	2·3	2·3	2500	1	0
+0	W	1	c	42	95	8	4	-	-	4·6	4·6	2500	0	*	5
1015·0	+0	NW	2	b	48	45	8	-	-	-	0	0	-	1	1
1014·7	-2	WNW	2	bc	48	95	8	5	-	8	2·3	2·3	4000	0	1
1013·8	+0	NE'N	4	c	47	85	7	5	2	-	7·8	10	1500	0	*
1018·2	+0	WNW	4	c	52	75	8	8	-	-	9+	9+	450	0	3
1015·0	+0	W	3	c	51	85	7	6	8	3	7·8	9	1500	1	2
1016·5	+0	SW	3	o	49	95	7	5	-	-	10	10	800	1	*
1017·0	+0	W	2	bc	52	85	8	7	2	-	2·3	4·6	2500	0	1
1018·8	-2	SW	1	c	48	95	8	5	-	-	7·8	7·8	2500	1	*
1021·8	-2	W'N	4	c	53	75	8	5	1	-	7-8	10	1500	0	2
1020·9	-6	NW	3	c	50	85	8	3	-	-	7·8	7·8	1500	0	2

PAST 24 HOURS.

Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 25th Hrs. (36)
60	48	45	Tr	-	11·4
59	47	46	Tr.	Tr	10·0
61	40	24	0·3	-	10·8
60	40	3?6	Tr	-	7·5
57	40	34	2	-	8·6
59	45	38	0·2	Tr	6·3
62	46	*	Tr	Tr	*
57	45	43	-	-	6·5
54	48	46	0·2	Tr	1·6
56	47	47	1	Tr	0·2
52	48	47	0·6	-	0·0
58	47	45	1	0·4	5·0
57	44	41	0·1	-	11·4
58	43	39	Tr.	-	*
57	41	33	Tr.	-	9·4
58	49	*	-	-	*
57	48	43	Tr.	-	9·9
57	48	*	Tr.	-	*
61	51	*	-	-	12·7
58	50	46	-	-	11·5
59	47	*	0·5	0·6	9·6
56	49	47	-	-	12·1
55	47	41	Tr.	-	12·1
54	48	45	Tr.	-	11·9
57	45	43	1	0·1	4·9
52	44	*	0·4	0·2	0·0
55	44	40	Tr.	-	0·8
50	45	42	0·3	Tr	*
58	44	42	Tr.	-	3·3
60	42	36	0·2	-	3·2
59	37	34	Tr.	-	11·5
58	36	30	-	-	12·0
54	45	39	Tr.	0·5	12·1
57	42	*	Tr.	-	9·6
57	32	25	Tr.	-	10·5
56	38	34	-	-	0·1
54	39	*	-	-	*
51	45	*	Tr.	-	0·0
56	48	*	1	0·3	*
53	48	*	3	2	3·9
57	43	37	1	0·1	5·7
54	44	*	0·2	0·1	*
57	43	33	1	-	4·9
56	51	48	0·4	0·2	7·2
58	48	*	0·2	0·1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–21h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs, ended 9h.)	Weather. Afternoon. (24 hrs, ended 9h.)	Weather. Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	bccp	cybcy	bcb	60	48	45	Tr	-	11·4	*	*	7
Croydon	217	bbccy	bcypc	bccfom	59	47	46	Tr	Tr	10·0	*	*	6
Greenwich (Royal Observatory) ...	149	cy	cbcy	bcr.	61	48	45	-	Tr	6·8	42	72	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	9·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	62	49	47	-		7·8	38	65	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	62	48	46	Tr		7·8	50	74	*
Camden Square	110	c	cbc	*	61	49	47	Tr	Tr	*	*	72	*
Kensington	80	bc	bcpbc	*	61	49	46	Tr	Tr	8·6	At 18h. 68		*
Hampstead Observatory	450	bc	bc	cd	59	45	41	-	Tr	10·0	42 *	73	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 25th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 25th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014·1	NW	6	c	55	1013·0	NW	5	c	50
Brussels	1010·4	WNW	3	ic.	48	1009·1	N	3	r. r.	48
Berlin	1005·0	-	0	c	63	1005·1	NNE	2	c	54
Zürich	1011·0	NNW	4	rr	52	1011·6	WNW	2	c	46
Rome	1008·8	SSW	4	bc		1005·7	SSE	5	c	64

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 26th

South Kensington.

Max.	Time.	Min.	Time.
0·1	7-8 25th	Nil.	9-24h 25th, 0-6h 26th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	23h 25th	0·1	10h 25th

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	45	?	-
59	46	7	29
50	50	T	Tr.
66	43	0·4	4
	55	3	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2¼	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†Inc. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 27th May 1933.

No. 26119

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 26th May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1015·7	-2	NW	3	c	58	55	7	8	-	-	9+	9+	2500
	Croydon ...	1015·5	+2	N	3	3o	58	65	6	8	-	-	9+	9+	2500
	S. Farnborough	1016·1	+2	WNW	2	pr	58	55	7	8	-	-	9+	9+	4000
	Winchester ...	1016·1	-2	NNW	3	c	58	65	8	8	-	1	9	9+	4000
	Boscombe Down	1016·4	+2	NW	4	c	58	55	8	8	-	1	7-8	9	2500
	Calshot, S'thmtn	1016·0	-2	NW	4	c	60	45	8	7	4	-	7-8	7-8	4000
	Dungeness ...	*	*	NNE	2	c/pr	*	*	6	8	-	*	7-8	7-8	800
	Lympne ...	1015·0	+6	N'W	4	pr	55	75	8	8	-	-	7-8	7-8	4000
2	Shoeburyness	1014·7	+2	NNW	5	c	60	55	7	8	3	-	7-8	9	2500
	Felixstowe ...	1014·5	+6	NNW	3	c	60	65	8	2	-	1	4-6	7-8	4000
	Gorleston ...	1014·3	+6	NNW	4	bc	57	65	7	7	-	-	4-6	4-6	2500
	Cranwell ...	1015·0	-6	NW	3	c	59	65	8	8	-	-	7-8	7-8	2500
3	Birmingham ...	1015·9	0	NW	3	c	58	55	8	8	-	4	4-6	7-8	4000
	Upper Heyford	1015·9	-2	NW	4	c	61	55	7	8	-	4	4-6	7-8	2500
4	Ross-on-Wye ...	1016·7	0	NNW	3	c	60	55	8	8	-	3	7-8	7-8	4000
5	Portland Bill...	1017·5	+2	NNW	4	c	58	75	8	5	4	-	7-8	10	2500
	Plymouth ...	1019·1	+2	NW	4	c	57	55	8	8	2	-	9+	9+	1500
	The Lizard ...	1020·7	+2	NW	3	c	57	65	8	8	7	-	4-6	7-8	2500
	Scilly (St. Mary's)	1021·5	+2	NW	4	c	59	65	8	7	3	2	2-3	7-8	4000
	Guernsey ...	1019·2	+2	NW	5	bc	57	75	8	7	-	-	2-3	2-3	2500
6	Pembroke ...	1018·8	0	WNW	2	c	55	75	7	7	7	9	2-3	7-8	4000
7	Holyhead ...	1017·1	-4	SWW	3	c	58	65	8	2	3	2	1	9+	2500
	Chester (Sealand)	1017·0	0	NW	4	c	56	75	8	7	-	6	2-3	9	2500
8	L'pool (Bidston)	1017·4	0	NNW	4	bc	53	75	8	5	-	8	2-3	4-6	2500
9	Harrogate ...	1015·0	+0	SSW	1	c/r	54	85	7	8	8	-	7-8	9	2500
10	Spurn Head ...	1014·7	+2	NNE	5	bc	56	66	7	2	2	-	2-3	4-6	4000
	Catterick ...	1014·7	-2	WNW	1	c/pr	60	65	7	8	6	-	9	9	2500
	Tynemouth ...	1015·0	+4	ENE	2	bc	55	75	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1014·1	-6	W	1	bc	60	55	8	2	-	1	4-6	4-6	4000
	Leuchars ...	1014·4	-6	SE	2	bc	61	55	7	8	6	-	4-6	4-6	2500
12	Renfrew (Abbotts'l)	1014·2	-6	W	3	c	57	65	8	3	-	9+	7-8	7-8	4000
	Eskdalemuir ...	1014·2	-4	WSW	4	bc	56	55	8	8	7	4	4-6	4-6	2500
13A	Tiree	1014·8	0	NNW	1	c	52	85	8	3	7	3	7-8	9	1500
13B	Stornoway ...	1013·6	0	ENE	3	bc	55	75	8	8	4	-	2-3	4-6	2500
15	Dalwhinnie ...	1015·2	0	N	1	c	49	75	8	4	1	-	4-6	10	2500
	Aberdeen ...	1014·6	0	ESE	3	bc	56	75	8	1	-	-	2-3	2-3	4000
	Wick	1015·0	+6	NNE	3	c	49	85	8	8	1	-	7-8	10	2500
16	Lerwick ...	1013·9	0	NE'N	4	c/d	47	95	7	5	2	-	7-8	9	1500
17	Blacksod Point	1017·4	-6	W	4	c	56	75	8	8	-	-	9	9	800
18	Malin Head ...	1014·9	0	W	3	c	55	85	7	9	8	4	4-6	7-8	1500
	Aldergrove ...	1015·5	-2	WNW	2	pr	56	66	8	3	-	3	9	9+	1500
	Donaghadee ...	1015·2	-4	N'E	2	bc	56	75	8	7	3	-	4-6	4-6	2500
19	Birr Castle ...	1016·1	-4	NW	3	c	56	65	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	1019·2	-18	S'E	3	i/o	52	95	7	5	-	-	10	10	800
	Roches Point...	1019·2	-6	NW	3	c/pr	59	65	9	3	-	-	7-8	7-8	2500

District	Stations.	OBSERVATIONS at 18h. G.M.T. 26th May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1015·4	-6	-	0	c	59	65	6	8	-	6	7-8	7-8	4000	0	*
	Croydon ...	1015·3	0	WNW	1	3o	58	65	6	5	-	-	9+	9+	5700	1	*
	S. Farnborough	1015·4	-2	-	0	c/pr	57	75	6	8	4	1	7-8	7-8	4000	1	*
	Winchester ...	1015·9	0	WNW	3	c	57	65	8	5	3	-	7-8	9	7200	0	*
	Boscombe Down	1016·0	-2	NW	3	c/p	54F	75	7	8	3	1	7-8	9	1500	0	*
	Calshot, S'thmtn	1015·8	0	WNW	3	c	59	65	8	8	3	-	2-3	7-8	4000	0	1
	Dungeness ...	*	*	S	2	c	*	*	6	8	-	*	7-8	7-8	800	*	1
	Lympne ...	1015·8	+6	SSE	1	c	53	85	8	8	-	-	7-8	7-8	4000	0	*
2	Shoeburyness	1014·8	-2	NNW	3	c	58	65	7	5	3	-	9	9+	4000	0	*
	Felixstowe ...	1014·6	+2	SE	3	bc	55	95	9	8	-	-	4-6	4-6	2500	0	1
	Gorleston ...	1014·2	-4	NNE	3	b	56	75	7	1	-	-	1	1	2500	0	2
	Cranwell ...	1014·7	-2	W	1	c	56	65	6	5	-	-	9+	9+	4000	0	*
3	Birmingham ...	1015·6	-2	WNW	2	c	57	55	8	8	-	-	9	9	2500	0	*
	Upper Heyford	1015·5	0	NW	4	c	59	55	8	2	7	2	2-3	7-8	1500	0	*
4	Ross-on-Wye ...	1016·1	-6	NW	3	bc	59	55	9	8	3	-	2-3	4-6	4000	0	*
5	Portland Bill...	1017·2	-2	W	4	bc	56	85	8	5	-	-	4-6	4-6	2500	0	3
	Plymouth ...	1018·5	-4	NWW	4	bc	57	55	8	8	-	1	4-6	4-6	2500	1	2
	The Lizard ...	1020·0	-4	W	3	c	54	85	8	4	6	-	4-6	7-8	4000	0	2
	Scilly (St. Mary's)	1020·6	-8	W'N	3	c	54	75	7	8	2	-	7-8	9	4000	0	2
	Guernsey ...	1018·6	-6	WNW	4	bc	55	75	8	5	-	-	4-6	4-6	4000	0	3
6	Pembroke ...	1017·8	-10	W	2	c	54	85	8	4	6	9	4-6	7-8	4000	0	1
7	Holyhead ...	1016·1	-6	SW'W	3	c	54	75	8	5	3	1	7-8	7-8	4000	0	1
	Chester (Sealand)	1016·9	-4	NW'N	3	bc	57	75	9	1	3	-	2-3	2-3	2500	0	*
8	L'pool (Bidston)	1015·7	-6	NW	3	b	56	75	8	7	-	8	1	1	2500	0	*
9	Harrogate ...	1014·4	-6	WSW	3	bc	57	55	8	3	8	1	1	2-3	4000	1	*
10	Spurn Head ...	1014·5	0	E	1	bc	52	75	8	-	7	-	0	4-6	-	0	1
	Catterick ...	1014·4	-2	E	1	pr	54	75	7	8	-	-	7-8	7-8	1500	1	*
	Tynemouth ...	1014·4	0	E	1	c	53	65	7	6	-	-	9	9	1500	0	1
11	Inchkeith ...	1013·8	-4	W	2	c	52	75	8	8	4	-	7-8	9+	2500	0	1
	Leuchars ...	1014·2	+4	ESE	2	c/pr	53	75	7	5	-	-	9+	9+	2500	0	*
12	Renfrew (Abbotts'l)	1013·0	-2	SSW	3	bc/p	58	65	8	3	-	5+	4-6	4-6	4000	0	*
	Eskdalemuir ...	1013·8	-6	SW	3	bc	52	65	9	2	-	3	2-3	4-6	4000	1	*
13A	Tiree	1014·7	0	N	1	bc	53	75	8	8	3	1	1	4-6	2500	1	2
13B	Stornoway ...	1014·1	+4	NE	2	c	61	85	8	8	7	-	4-6	7-8	1500	1	1
15	Dalwhinnie ...	1014·3	-4	NE	1	c	53	65	8	4	1	-	4-6	9	4000	0	*
	Aberdeen ...	1014·4	0	ESE	2	bc	51	85	7	2	-	-	4-6	4-6	4000	0	1
	Wick	1014·9	-2	NNE	3	c	48	85	8	8	1	-	7-8	10	1500	0	2
16	Lerwick ...	1013·7	0	NNE	4	c	47	85	7	5	-	-	10	10	1500	0	*
17	Blacksod Point	1016·5	-4	NW	4	c	54	75	8	1	3	-	4-6	7-8	1500	0	3
18	Malin Head ...	1014·5	-2	W'N	3	bc	53	75	8	4	9	3	2-3	4-6	1500	0	1
	Aldergrove ...	1015·3	-2	-	0	pr	50	95	8	9	-	-	10	10	800	1	*
	Donaghadee ...	1014·7	-4	NNW	1	i/c	52	85	7	6	-	-	9	9	800	1	0
19	Birr Castle ...	1015·6	-14	NW	2	c	59	65	8	7	8	-	4-6	7-8	2500	1	*
20	Valentia Obsy.	1016·0	-6	SWW	3	10/5	55	95	4	5	-	-	10	10	220	1	2
	Roches Point...	1016·5	-20	SE	3	dd	51	95	6	5	-	-	10	10	800	1	3

District	Stations.	PAST 24 HOURS. WEATHER. 7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.–7h. 27th (40)
1	London (Kew)...	cy	c3o	c3o pr mo	bc bm o
	Croydon ...	cr o m 3o	c3o y	c3o c	cbc w mo
	S. Farnborough	cbcc	cy c pr	c mo bc	bc w bx
	Winchester ...	bbcc	cy	cb	bbcc
	Boscombe Down	bbc cy	cp r o cy	cp r o bc	bcc
	Calshot, S'thmtn	bc cy	bc y	bcc	bcc
	Dungeness ...	p	bc	*	bc
	Lympne ...	cb	cp r o y bc	bc b m o	bc m
2	Shoeburyness	cm o c	c	c	bc
	Felixstowe ...	bc	bc V	bc r b w	b c b c
	Gorleston ...	c bc q	bc q	b bc	bc m m
	Cranwell ...	c bc	bcc m o	cp r o m o	bc m o
3	Birmingham ...	bcc	c bcc	cr o r o	cm
	Upper Heyford	c bc y	cy p r o	cy bc	bc c m o
4	Ross-on-Wye ...	bcc pc	c v y bc y	bc c b	cor
5	Portland Bill...	bcc	c bc	bc	cRR3
	Plymouth ...	cp r bc y r	cy bc V	bc b o r	ord o 2
	The Lizard ...	cp r o c	c bcc	cRr f d	f d p r c
	Scilly (St. Mary's)	c bc c	c	r o m c d	i d i n c
	Guernsey ...	c bc	bcc bc	b bc	oi r r r
6	Pembroke ...	c bcc	c p cc	cp r o r o r o	oR m oi r o
7	Holyhead ...	cp r o	bc	c	r o
	Chester (Sealand)	bcc V	c bc V	bc b v	bc p r o
8	L'pool (Bidston)	c p o bc	bc b	bb w c	c w b c
9	Harrogate ...	bbc c i r	c b p	b	bbcc
10	Spurn Head ...	c bc	bc	c bc	bcc
	Catterick ...	bbcc p r o	c	c p r o b w f	of bc
	Tynemouth ...	bc	bcc	c r r c o	o i r o
11	Inchkeith ...	bc 3o	bcc	c	c
	Leuchars ...	bw b c y	bc y c V	c bc c	c bc c
12	Renfrew (Abbotts'l)	bw c j p c bc	c bc p r o	bcc bc	bcc m w
	Eskdalemuir ...	bc y	bc y	bc w	c w m o
13A	Tiree	c P R	c i r o bc	bc	bc b w o
13B	Stornoway ...	bc	bcc	c	c p r o
15	Dalwhinnie ...	ir	c	*	ir
	Aberdeen ...	by	b bcc	bcc	c
	Wick	bcc	c	c p r o c	c p r o
16	Lerwick ...	c i d o	c i d o	c i d o	c i d o p r o
17	Blacksod Point	c	bc	bc	pr o bc
18	Malin Head ...	c p r o	c p r o	c bc	m c
	Aldergrove ...	c m p bc	c t o p	c p r bc	bc o i f
	Donaghadee ...	pr o bc	bcc i r o	c i r o c	c
19	Birr Castle ...	c	c	c	c o r o
20	Valentia Obsy.	c p r o i r o	c i c d d r f	o f d o c i b	bcc-
	Roches Point...	c h o c V	c o d d	o b d c	c p o bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Nate.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/10 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

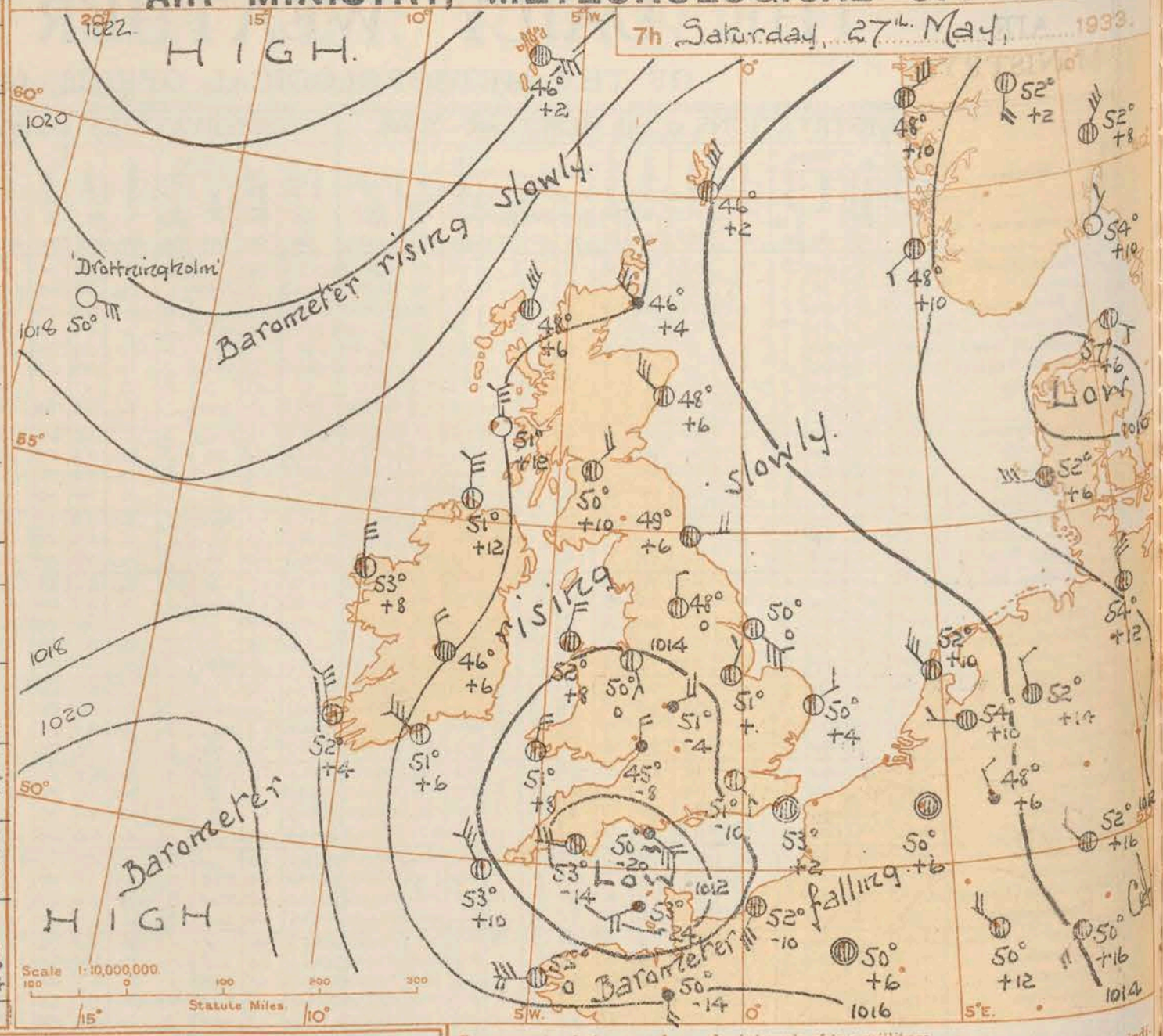
REPORTS from HEALTH RESORTS for 26th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 25th to 9h. 26th	Temperature. Max. 9h.—17h. 26th	Rainfall. Night. 17h. 25 to 9h. 26th	Rainfall. Day. 9h.—17h. 26th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 25th.
1	Tunbridge W.	bc	bc	46	61	Trace	-	4·9	8·4
	Bournemouth	bc	c	45	62	-	-	7·0	10·2
	Ventnor ...	rb	bc	45	63	2	-	10·0	5·5
	Southsea ...	bbc	cbc	45	62	-	-	7·5	9·3
	Bognor Regis	bbc	bcbc	43	64	Trace	-	7·4	9·2
	Littlehampton	bc	bc	44	63	-	-	5·4	7·4
	Worthing ...	c	c	46	61	-	-	2·4	10·0
	Brighton ...	bcc	co	46	62	-	-	1·7	10·8
	Eastbourne†	ocbc	bcbc	48	64	-	-	4·0	9·8
	Hastings† ...	cbc	bcc	50	63	-	-	6·0	8·8
	Folkestone ...	bc	bcr.	48	63	1	Trace	6·0	7·3
	Dover... ...	ubc	bc	49	63	1	-	6·0	5·3
	Deal	bbcb	b	49	62	1	-	6·2	1·8
	Ramsgate ...	cbcb	b	49	63	1	-	7·8	3·2
	Margate ...	cbc	bc	50	57	Trace	-	8·2	2·6
2	Southend ...	bc	bcr.c	48	63	Trace	Trace	7·2	2·6
	Maldon ...	bcb	bbcc	50	61	-	-	6·2	1·2
	Clacton-on-Sea	bc	bc	47	62	-	-	7·5	0·2
	Dovercourt ...	bc	bc	49	65	-	-	8·0	0·3
	Lowestoft ...	cd.oc	b	48	60	1	-	9·2	0·0
	Skegness ...	b	b	47	56	0·3	-	8·8	0·2
	Mablethorpe	cbc	bcb	47	53	0·3	-	7·5	0·2
	Cleethorpes...	oc	cbc	47	56	0·2	-	6·5	0·0
3	Leamington S.	o	c	47	62	-	-	5·7	11·7
4	Cheltenham†	bcwc	cpc	46	62	Trace	0·3	4·1	7·4
5	Bath	cbcp.	cbcb	45	62	Trace	Trace	7·6	9·4
	Weymouth ...	bc	cby	45	64	-	-	7·7	10·1
	Jersey ...	bo	b	50	61	-	-	7·8	11·0
	Torquay ...	bcbc	bcqy	47	62	-	-	7·8	11·2
	Penzance ...	cr.cb	cbco	49	60	0·5	-	5·7	11·7
	St. Ives ...	bcpbc	b	50	57	0·3	-	5·8	11·5
	Bude	cbc	bc	48	57	-	-	8·1	8·9
	Ilfracombe ...	cbc	bcb	50	56	-	-	5·5	10·5
6	Aberystwyth	bcc	cbc	50	58	-	-	4·5	11·8
7	Llandudno ...	cbc	cpbc	50	58	-	0·3	5·5	13·2
	Colwyn Bay...	bcc	cbc	49	59	-	-	4·7	12·3
	Rhyl								
8	Wallasey ...	bocbc	bbcb	49	58	-	-	8·7	12·8
	Southport‖ ...	bc	bcb	49	58	-	-	11·2	14·0
	Blackpool ...	cbc	bbc	49	57	-	-	11·2	12·8
	Morecambe ...	b	b	48	57	-	-	11·1	12·8
9	Ilkley... ...	bc	bc	44	63	0·5	-	6·3	7·0
10	Berwick-on-T.	b	bc	41	56	-	-	10·8	1·3
11	Dunbar ...	bcm.	bc	42	57	-	-	7·0	0·8
12	Troon... ...	wbc	cbc	45	56	-	-	10·0	14·3
	Douglas ...	cbcd	cdbc	45	59	-	Trace	5·4	14·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h. ‖ Min. Temp. 17h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday, 27th May, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate southeasterly wind becoming northerly; cloudy, some rain, local thunder becoming mainly fair; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Light to moderate northerly wind; mainly fair apart from local showers; moderate temperature.
8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N.W Scotland. 14. Mid-Scotland 15. N.E. Scotland 16 Orkneys and Shetlands.	Light northeast or north wind; bright intervals; local showers; moderate temperature.
17. N.W Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate northerly to variable wind; mainly fair; moderate temperature.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◯ Sky less than 1/10 clouded. ◐ Sky 1/10 to 5/10 clouded. ◐ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. * Snow. ✱ Sleet ▲ Hail ≡ Fog ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Anticyclones are situated to north and southwest of the British Isles while a depression over the English Channel is likely to move east-southeast. In the Southeast there will be a period of rain at first with local thunder followed by mainly fair conditions. Elsewhere weather will be mainly fair apart from local showers.

FURTHER OUTLOOK.

A mainly fair interval.

Forecasts issued at 0940 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2. Pa. 759/2573. Wt. 4 F. & S. 5001 Gp. 908 7356

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SATURDAY
27TH MAY
1933.

All times are G.M.T. Add one hour to get summer time.

Lambert's Projection. Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.
⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 27th May 1933.

No. 2619

OBSERVATIONS at 1 hr. G.M.T. 27th May

Distrct.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·5	-2	W	2	c	51	85	7	5	7	-	4-6	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·6	-2	NW	3	b	49	65	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1014·8	-4	W	1	bc	47	95	7	4	-	-	2-3	2-3	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015·9	-12	NW	3	c	52	95	8	5	-	-	9	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1014·9	-24	W	5	df	53	95	3	5	-	-	10	10	800
	Scilly (St. Mary's)	163	1015·0	-14	WNW	5	cd.	54	95	5	5	-	-	10	10	1500
	Guernsey ...	175	1015·1	-10	W	2	bc	51	95	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1014·4	-12	SE	1	r.s.	50	85	6	6	-	-	10	10	450
7	Holyhead ...	26	1014·2	-8	NW	4	c	51	95	7	5	-	-	9	9	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·4	0	SW	1	bc	49	85	8	-	2	-	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014·2	0	S	1	0	50	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1014·5	+4	E	2	c	49	85	8	5	7	-	4-6	7-8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1014·6	0	NE	2	c	48	85	8	8	6	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015·5	0	N	2	c	45	95	8	8	1	-	7-8	10	2500
16	Lerwick ...	54	1014·8	+8	NNE	4	cd.	45	95	7	8	-	-	9+	9+	1500
17	Blacksod Point	18	1017·1	+4	N	3	bc	51	85	8	-	4	-	0	4-6	-
18	Malin Head ...	52	1014·8	0	SW	1	b	46	95	8	4	3	-	1	1	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016·8	+6	NW	3	bc	50	95	8	8	-	-	2-3	2-3	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 27th May

Distrct.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1013·9	-6	E	1	b	52	85	6	-	3	-	0	1	-	1	*
	Croydon ...	1014·1	-6	SE	1	b	50	85	6	-	4	1	0	Tr	-	1	*
	S. Farnborough	1013·4	-10	SSE	2	b	51	85	6	5	3	3	1·	4·6	5/00	0	*
	Winchester ...	1013·2	-8	SSE	2	c	49	85	7	5	2	1	2·3	9	1500	0	*
	Boscombe Down	1013·0	-8	S'E	2	qp	50	85	7	6	2	-	9	10	800	0	*
	Calshot, (S'thmtn)	1013·6	-8	SE	3	r.	53	85	7	5	7	-	2·3	4·6	1500	0	1
	Dungeness ...	*	*	W	1	c	*	*	6	5	7	*	2·3	7·8	800	*	1
	Lympne ...	1014·7	+2	-	0	m	53	85	4	-	3	-	0	9	-	0	*
2	Shoeburyness	1014·1	+0	-	0	bc	53	85	6	-	7	-	0	2·3	-	0	*
	Felixstowe ...	1014·7	+2	E'N	3	c	52	95	7	5	-	-	9+	9+	800	0	1
	Gorleston ...	1014·8	+4	NE'E	1	bc	50	85	6	8	-	-	4·6	4·6	2500	0	1
	Cranwell ...	1014·1	+2	NE	1	c	51	95	6	5	3	-	7·8	7·8	5/00	1	*
3	Birmingham ...	1013·7	-4	ENE	2	r.	51	85	4	6	7	-	4·6	9+	2500	1	*
	Upper Heyford	1013·5	-10	E	3	c	54	85	6	-	7	-	0	9	-	0	*
4	Ross-on-Wye ...	1013·8	-8	N	2	rr	45	95	5	6	-	-	10	10	800	1	*
5	Portland Bill...	1011·0	-20	SE	5	rr	50	95	6	5	-	-	10	10	1500	1	4
	Plymouth ...	1010·8	+14	W	3	cld	53	95	8	45	-	-	9+	9+	450	1	2
	The Lizard ...	1013·2	-4	NW	5	cpr	52	95	8	8	-	-	9+	9+	2500	1	3
	Scilly (St. Mary's)	1015·2	+10	NNW	4	bc	53	95	8	2	-	-	4·6	4·6	4000	1	3
	Guernsey ...	1013·3	-24	WSW	2	r.s.	53	95	5	6	-	-	10	10	1500	1	3
6	Pembroke ...	1013·7	+8	NNE	2	c/r	51	95	7	9	5	3	4·6	7·8	1500	1	1
7	Holyhead ...	1014·3	+8	N'E	2	qp	52	95	8	3	-	-	9+	9+	1500	1	0
	Chester (Sealand)	1014·0	+0	SSE	1	bc	50	85	6	2	3	1	2·3	4·6	2500	0	*
8	L'pool (Bidston)	1014·3	+0	-	0	bc	51	85	6	3	-	9	2·3	4·6	4000	-	*
9	Harrogate ...	1014·4	+0	N	1	c	48	85	7	5	3	-	1	9	2500	1	*
10	Spurn Head ...	1014·2	+0	ESE	4	c	50	95	7	5	7	-	4·6	4·6	2500	0	3
	Catterick ...	1014·7	+8	N'W	1	c	49	85	6	5	-	-	9+	9+	4000	1	*
	Tynemouth ...	1015·1	+6	E	2	o/r	49	95	7	6	-	-	10	10	1500	1	1
11	Inchkeith ...	1015·4	+6	E	2	qc	49	85	8	5	-	-	10	10	2500	0	2
	Leuchars ...	1015·6	+4	ENE	2	c	52	95	7	7	3	-	7·8	9	1500	0	*
12	Renfrew (Abbotts I)	1015·3	+10	NE	2	c	50	85	6	5	-	-	9+	9+	4000	0	*
	Eskdalemuir ...	1015·3	+10	E'N	1	c	46	95	6	5	-	-	10	10	1500	1	*
13A	Tiree	1016·0	+12	N'W	4	b	51	85	8	8	3	-	Tr	1	2500	0	3
13B	Stornoway ...	1015·4	+6	NNE	3	c/pr	48	85	8	8	6	-	4·6	7·8	1500	1	1
15	Dalwhinnie ...	1015·8	+8	NE	2	c	44	85	7	4	4	-	7·8	10	1500	0	*
	Aberdeen ...	1015·5	+6	NW	3	c	48	75	8	8	-	-	9+	9+	4000	0	1
	Wick	1016·0	+4	NW	3	pr.	46	95	8	8	6	-	4·6	7·8	1500	0	2
16	Lerwick ...	1014·0	+2	NNE	3	c/pr	46	95	7	8	2	-	4·6	10	1500	1	*
17	Blacksod Point	1017·8	+8	N	3	bc	53	85	8	4	-	-	4·6	4·6	1500	0	3
18	Malin Head ...	1016·2	+12	N	4	bc	51	85	8	-	7	8	0	2·3	-	0	1
	Aldergrove ...	1015·8	+2	N	2	uf	47	95	4	5	-	-	10	10	450	1	*
	Donaghadee ...	1015·9	+12	NE'E	1	c	52	85	8	8	3	2	4·6	7·8	2500	0	0
19	Birr Castle ...	1016·0	+6	NNW	2	o	46	95	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1018·0	+4	NNW	4	c	52	85	8	5	-	-	7·8	7·8	1500	1	2
	Roches Point...	1015·7	+6	NW	4	bc	51	85	8	3	4·6	4·6	4·6	4·6	2500	1	3

PAST 24 HOURS.

Distrct.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 26th Hrs. (36)
1	London (Kew)...	61	45	36	-	0·3	2·1
	Croydon ...	59	44	39	Tr.	Tr	0·9
	S. Farnborough	62	39	28	1	Tr	4·8
	Winchester ...	63	37	32	-	-	9·4
	Boscombe Down	61	41	32	Tr.	Tr	7·8
	Calshot, (S'thmtn)	62	44	38	-	Tr	9·6
	Dungeness ...	63	47	*	0·5	-	*
	Lympne ...	59	47	39	Tr.	-	6·0
2	Shoeburyness	63	49	41	-	-	7·1
	Felixstowe ...	62	47	43	-	-	7·0
	Gorleston ...	58	40	39	-	-	11·5
	Cranwell ...	61	40	35	-	0·1	5·4
3	Birmingham ...	61	45	37	-	2	7·8
	Upper Heyford	61	44	37	Tr.	-	*
4	Ross-on-Wye ...	62	39	31	0·3	3	10·0
5	Portland Bill...	60	48	*	-	0·1	*
	Plymouth ...	58	51	45	2	2	4·2
	The Lizard ...	58	50	*	1	1/4	*
	Scilly (St. Mary's)	60	51	*	-	1/4	5·8
	Guernsey ...	58	49	47	-	1/4	9·7
6	Pembroke ...	56	46	*	Tr.	9	9·5
7	Holyhead ...	59	50	46	Tr.	0·5	6·9
	Chester (Sealand)	59	45	40	-	Tr	11·5
8	L'pool (Bidston)	57	48	45	Tr.	-	9·2
9	Harrogate ...	60	42	39	0·4	-	6·9
10	Spurn Head ...	57	49	*	-	-	9·3
	Catterick ...	61	39	35	0·2	Tr	7·4
	Tynemouth ...	56	49	47	-	0·5	*
11	Inchkeith ...	61	48	42	-	-	7·8
	Leuchars ...	62	48	48	Tr.	-	8·3
12	Renfrew (Abbotts I)	61	53	50	Tr.	-	9·3
	Eskdalemuir ...	60	39	35	-	-	9·5
13A	Tiree	57	49	45	?/0	-	5·0
13B	Stornoway ...	55	44	*	-	Tr	11·8
15	Dalwhinnie ...	55	42	42	2	Tr	5·2
	Aberdeen ...	61	45	45	-	-	11·2
	Wick	54	44	*	-	0·1	*
16	Lerwick ...	48	44	*	Tr.	0·6	0·1
17	Blacksod Point	56	48	*	-	Tr	4·8
18	Malin Head ...	56	44	*	0·4	-	3·1
	Aldergrove ...	59	39	33	3	0·6	*
	Donaghadee ...	58	44	*	2	0·4	*
19	Birr Castle ...	60	44	39	-	0·2	3·5
20	Valentia Obsy.†	56	49	43	2	Tr	0·0
	Roches Point...	60	47	*	1	1	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	cu	c3.	c3.pr	61	45	36	-	0·3	2·1	*	*	6
CROYDON	217	cu.m3.	c3.4	c3.bcu	59	44	39	Tr	Tr	0·9	*	*	4
GREENWICH (Royal Observatory) ...	149	cu	cu	cu.cbc	62	45	36	-	-	0·2	58	63	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·1	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	61	46	41		1	0·8	50	56	*
‡REGENTS PK. (Botanic Gardens) ...	168	*	*	*	62	46	39		1	1·4	60	65	*
CAMDEN SQUARE	110	c	c	*	62	47	40		-	*	*	62	*
KENSINGTON	80	bc	bcco	*	60	46	36	-	-	0·8	At 18h. 51	60	*
HAMPSTEAD OBSERVATORY	450	0	bc	or	59	44	36	1	Tr	2·6	*	69	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 27th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0·6	21h 26th	nil	9-13h 26th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·2	22h 26th	0·1	14h 26th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 26th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 27th May: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1014·2	NW	3	c	57	1015·4	-	0	c3	50
BRUSSELS	1013·1	NNW	4	c	52	1015·4	-	0	c3	50
BERLIN	1006·3	NW	1	c	61	1010·4	N	1	c	57
ZÜRICH	1010·3	SSW	1	c	46	1013·2	SSW	1	orr	43
ROME						1002·2	E	3	c	54

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	45	?	Tr
52	41	Tr.	-
	48		
54	43	3	12
	50		4

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
*1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 28th May 1933.

No. 26120

OBSERVATIONS at 13h. G.M.T. 27th May

DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (3)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1012.6	+2	SSW	3	c	58	65	7	8	2	-	4-6	10	2500
	Croydon	1012.6	-2	SSW	4	c	56	65	8	5	2	-	7-8	10	1500
	S. Farnborough	1012.7	+2	SSE	4	rr	48	85	6	6	-	-	10	10	450
	Winchester	1011.7	-2	E'N	3	rr	47	95	7	5	3	-	7-8	10	1500
	Boscombe Down	1011.4	+4	ENE	3	c	49	85	7	6	2	-	4-6	10	800
	Calshot, S'thmtn	1010.2	-14	ESE	5	ir	52	95	7	6	2	-	4-6	10	800
	Dungeness	*	*	SW'S	2	c	*	*	7	5	7	*	2-3	7-8	800
	Lympne	1013.4	-8	S	3	c	57	75	8	2	7	-	1	9	4000
2	Shoeburyness	1013.1	+6	E	5	c/pr	56	85	6	8	2	-	7-8	9	4000
	Felixstowe	1014.2	-4	NEE	4	c	55	75	8	7	-	-	7-8	7-8	2500
	Gorleston	1015.1	0	NE	3	c	53	65	7	5	-	-	9+	9+	2500
	Cranwell	1014.7	0	E	3	c	58	65	8	8	-	8	7-8	9+	2500
3	Birmingham	1013.6	-4	N	3	c	54	75	6	6	2	-	4-6	10	1500
	Upper Heyford	1013.6	+10	-	0	r/fbr	48	95	4	5	-	-	10	10	450
4	Ross-on-Wye	1013.8	0	WNW	1	ir$_o$	50	95	7	6	-	-	10	10	2500
5	Portland Bill	1007.7	-8	NNW	5	ir$_o$	51	95	7	5	-	-	10	10	1500
	Plymouth	1013.2	+10	NW	5	c/pr	53	75	8	8	7	-	9	9+	1500
	The Lizard	1015.3	+10	NNW	5	c	57	75	8	8	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	1017.0	+10	NNW	4	bc	58	75	8	2	-	-	4-6	4-6	4000
	Guernsey	1012.0	+2	WNW	5	bc	58	75	8	8	-	-	4-6	4-6	2500
6	Pembroke	1018.9	+4	N	4	q	58	95	7	9	5	-	4-6	4-6	1500
7	Holyhead	1015.6	+6	N'W	3	b	56	85	8	2	-	-	1	1	2500
	Chester (Sealand)	1015.3	+10	NEE	2	w	57	65	6	8	-	-	9+	9+	2500
8	L'pool (Bidston)	1015.7	+6	ESE	1	r.r.	50	95	4	9	-	-	10	10	800
9	Harrogate	1015.1	0	E'N	2	c	54	75	8	8	-	-	9+	9+	4000
10	Spurn Head	1015.4	+4	E	3	c	57	75	8	5	3	1	4-6	7-8	4000
	Catterick	1015.6	+6	NE	1	c/pr	53	85	7	8	-	-	10	10	2500
	Tynemouth	1015.9	+8	E	1	c	55	75	8	6	-	-	9	9	1500
11	Inchkeith	1016.1	+6	E	2	c	54	75	8	5	-	-	9+	9+	4000
12	Leuchars	1016.2	0	SSW	2	c/d	54	75	8	7	3	-	2-3	9	4000
	Renfrew (Abbotts'l)	1015.5	-2	NE	2	3$_o$	50	65	6	8	3	-	4-6	7-8	4000
	Eskdalemuir	1015.2	0	ENE	3	c	55	65	8	8	-	-	9+	9+	2500
13A	Tiree	1016.6	0	N'W	3	bc	54	75	9	2	3	-	1	4-6	2500
13B	Stornoway	1016.0	+4	NE	3	c	51	85	8	8	6	-	4-6	7-8	1500
15	Dalwhinnie	1016.1	0	NE	1	c	52	65	8	4	2	-	7-8	10	4000
	Aberdeen	1015.8	+2	NNW	3	c	52	65	8	8	-	-	7-8	7-8	2500
	Wick	1016.0	+4	NW	3	pr$_o$	50	75	8	8	1	-	7-8	9+	1500
16	Lerwick	1015.1	+2	NEN	3	c	48	85	7	8	-	-	9+	9+	1500
17	Blacksod Point	1018.8	+6	N'E	3	bc	57	65	8	1	-	-	4-6	4-6	800
18	Malin Head	1017.4	+6	N	3	c	53	75	8	8	1	-	9	9+	2500
	Aldergrove	1016.2	+2	NNW	4	pr	57	75	8	2	3	-	7-8	9	2500
	Donaghadee	1016.0	+2	N'E	2	bc	56	75	8	7	-	8	2-3	2-3	2500
19	Birr Castle	1016.7	0	NE	2	c	61	55	8	1	-	-	7-8	7-8	2500
20	Valentia Obsy.	1018.7	+4	NNW	4	bc	57	75	9	7	-	-	4-6	4-6	2500
	Roches Point	1016.2	+6	NW	4	bc	60	65	9	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 27th May

DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1013.7	+8	ENE	4	r.r$_o$	53	85	6	6	-	-	10	10	800	1	*
	Croydon	1013.2	+6	ENE	3	r.r$_o$	52	95	5	6	2	-	9	10	800	1	*
	S. Farnborough	1013.4	+10	NE	2	dd	50	95	6	6	2	-	9+	10	450	1	*
	Winchester	1012.9	+12	NNE	3	c/r	51	85	7	5	7	-	7-8	9+	2500	1	*
	Boscombe Down	1013.2	+14	NE	3	ir$_o$	51	85	7	5	2	-	7-8	10	2500	1	*
	Calshot, S'thmtn	1011.7	+12	N	3	ir$_o$	52	85	6	5	2	-	9	10	800	1	2
	Dungeness	*	*	NNE	2	rr	*	*	6	3	-	*	9+	9+	800	*	1
	Lympne	1013.7	+4	E	4	rr	50	95	6	6	2	-	4-6	10	450	1	*
2	Shoeburyness	1014.2	+10	ENE	5	c	52	85	7	5	2	-	4-6	9+	1500	1	*
	Felixstowe	1014.6	+6	NEN	4	c	52	75	8	5	-	8	7-8	7-8	2500	0	2
	Gorleston	1014.9	0	NE	4	bc	53	65	7	1	6	-	2-3	4-6	4000	0	2
	Cranwell	1015.8	+8	E	3	c	55	65	8	4	-	-	9+	9+	2500	1	*
3	Birmingham	1015.6	+10	S	1	c/r	50	95	6	9	-	-	10	10	2500	1	*
	Upper Heyford	1014.8	+12	N'E	2	ir$_o$	52	85	7	6	2	-	7-8	10	800	1	*
4	Ross-on-Wye	1014.9	+8	NE	2	c	51	85	7	3	7	-	9	9+	2500	1	*
5	Portland Bill	1012.0	+22	W'S	5	c	53	85	7	4	-	-	7-8	7-8	2500	1	4
	Plymouth	1014.9	+12	NNW	4	c	56	75	9	9	-	-	9	9	1500	1	2
	The Lizard	1016.9	+10	NW	4	bc	55	75	8	8	-	-	4-6	4-6	4000	1	3
	Scilly (St. Mary's)	1018.1	+4	N'W	4	bc	56	75	8	1	-	-	2-3	2-3	4000	0	2
	Guernsey	1013.2	+8	NNW	5	c	53	75	7	8	-	-	7-8	7-8	2500	0	3
6	Pembroke	1015.4	+1	NNW	3	b	56	75	7	-	7	-	0	1	-	0	1
7	Holyhead	1016.3	+6	NNW	2	b	54	85	8	1	-	1	Tr.	1	2500	0	0
	Chester (Sealand)	1016.0	+4	NW	2	c	56	75	7	5	7	-	4-6	9	2500	0	*
8	L'pool (Bidston)	1016.2	0	NNW	2	c	55	85	8	8	3	-	4-6	7-8	4000	1	*
9	Harrogate	1015.3	+6	S'E	2	bc	55	75	7	8	8	-	1	2-3	2500	0	*
10	Spurn Head	1016.1	+2	ENE	3	bc	53	85	7	-	4	1	0	2-3	-	0	2
	Catterick	1015.9	-4	NEN	2	bc	55	75	8	8	7	-	4-6	4-6	2500	1	*
	Tynemouth	1016.1	+2	SE	1	bc	52	65	8	2	-	-	4-6	4-6	2500	1	1
11	Inchkeith	1015.8	-4	E	2	c	53	85	8	7	-	-	7-8	7-8	4000	0	2
12	Leuchars	1016.1	0	ESE	3	c	54	75	8	7	-	-	9+	9+	5700	0	*
	Renfrew (Abbotts'l)	1015.4	-2	NW	1	c	58	75	8	8	-	-	9+	9+	4000	0	*
	Eskdalemuir	1016.6	+4	E'S	2	c	55	65	7	8	-	-	9+	9+	2500	1	*
13A	Tiree	1016.7	0	N'W	4	b	52	75	9	2	4	-	Tr.	Tr.	4000	0	3
13B	Stornoway	1016.3	+2	NE	3	bc	50	85	9	8	7	-	4-6	4-6	1500	1	1
15	Dalwhinnie	1016.2	-2	NE	2	bc	53	55	8	4	-	3	4-6	4-6	4000	0	*
	Aberdeen	1016.3	+4	NNW	3	c	52	65	8	8	-	-	9	9	2500	0	1
	Wick	1016.6	+2	NNW	3	c/pr	48	85	8	9	1	-	7-8	9	1500	1	2
16	Lerwick	1014.9	0	NNE	3	c	48	85	7	8	2	-	7-8	9+	1500	0	*
17	Blacksod Point	1018.3	-2	NE	3	bc	57	75	8	2	-	-	2-3	2-3	800	0	3
18	Malin Head	1017.7	+4	NW	1	c	52	75	8	8	3	-	7-8	9+	2500	0	1
	Aldergrove	1016.9	+2	NNW	3	bc	55	65	8	1	3	-	1	2-3	4000	1	*
	Donaghadee	1016.6	+2	N	2	bc	53	75	8	7	3	2	2-3	4-6	2500	0	1
19	Birr Castle	1016.7	+2	NE	1	c	61	65	8	7	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	1018.6	+2	NNW	3	b	56	75	9	1	4	1	Tr.	1	2500	0	2
	Roches Point	1017.1	+6	SW	2	bc	57	75	9	3	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

DISTRICT.	STATIONS. (For heights see p. 4.)	Weather. 7h.–13h. 27th (37)	Weather. 13h.–18h. 27th (38)	Weather. 18h. 27th to 1h. 28th (39)	Weather. 1h.–7h. 28th (40)
1	London (Kew)	bm$_o$c$_p$	cor$_o$	or$_8$c m$_o$b	m$_o$b
	Croydon	bc p r$_o$c	cr R$_a$ m$_o$	cr$_o$ r$_a$ m$_o$ b	b m$_o$ w
	S. Farnborough	bc or r m$_o$	or r d d m$_o$	or$_o$ r$_o$ c	b c b
	Winchester	c r r	c r r r$_o$ r$_o$	c r$_o$ c m$_o$	c b c b
	Boscombe Down	c r r r$_o$	c r$_o$ r$_o$	c r$_o$ c.	b c b
	Calshot, S'thmtn	c r$_o$ r$_o$	c i r$_o$		b
	Dungeness	b c	r	*	p r
	Lympne	c b c$_3$ c	c o r r m	c o r r m$_o$	o r$_o$ o m$_o$
2	Shoeburyness	b c c m$_o$ p r	c t l r m$_o$	c r$_o$	c b c
	Felixstowe	c b c	b c c	c b c	b c
	Gorleston	b c c	c b c	b c q	b c q
	Cranwell	c	c	c b m$_o$ w	b w m$_o$ c
3	Birmingham	o r r c	c o r h	o c	c
	Upper Heyford	c t l R R	R R i r	c r$_o$ b c	b c b w
4	Ross-on-Wye	r r	r$_o$ o r c	c a r$_o$ o	c
5	Portland Bill	c i r o	o r o r r	c u r c	c b c
	Plymouth	b c q c p r$_o$	c q v	c r b	b w c
	The Lizard	p r$_o$ b c	c b c	b c w	b c w c
	Scilly (St. Mary's)	b c	b c	b c b	b w b c
	Guernsey	o r$_o$ b c	b c c	c o b c	b w
6	Pembroke	c i r b c q	b c b	b c b	o b c
7	Holyhead	p r$_o$ b c	b	b w	b w c
	Chester (Sealand)	b c c	c b c	b m w	b w
8	L'pool (Bidston)	b a r m o	c i r b c	c b c	b w
9	Harrogate	c	c b	b b c c	c i r
10	Spurn Head	b c	c b c	b c w	b c c w
	Catterick	c m$_o$ p r$_o$	c b c	b c c	c m$_o$
	Tynemouth	c b c c	c b c	b c o	o r$_o$ o
11	Inchkeith	c	c	c r$_o$ r$_o$	o i r$_o$
12	Leuchars	c i d$_o$ c	c	c b c	b c w b x
	Renfrew (Abbotts'l)	c m$_o$ 3$_o$	b c 3$_o$ c	c	c
	Eskdalemuir	c	c	c p r$_o$ c	o m$_o$
13A	Tiree	b b c	b c b	b	b b c
13B	Stornoway	c p r$_o$	c b c	b c c p r$_o$	c p r$_o$
15	Dalwhinnie	c	c	*	b c
	Aberdeen	c p r$_o$	c y c	c b c c	c i r$_o$
	Wick	c p r$_o$	c p r$_o$	o p r$_o$	c p r$_o$ c i d$_o$
16	Lerwick	c	c	c p r$_o$ m$_o$	c p r$_o$
17	Blacksod Point	o c y	c	c b c	b c x
18	Malin Head	c b c v	b c v b v	b v b c w	b c c r$_o$ c
	Aldergrove	b c v	b c v	b c v b v v	b b c c w
	Donaghadee	c b c	b c	b c	b c
19	Birr Castle	c b c	b c	b c	b c
20	Valentia Obsy.	c b c v	b c v	b c v b v v	b b c c w
	Roches Point	b c v	b c v	b c v b v v	b b c c w

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity; thus.
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height)
⊕, Solar halo. ☽ lunar halo. ⟋ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; −, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing; sparse.
2 Fine Ci not increasing; abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing; usually in tufts.
5 Ci or Ci-St increasing; still below 45° altitude; often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude; often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

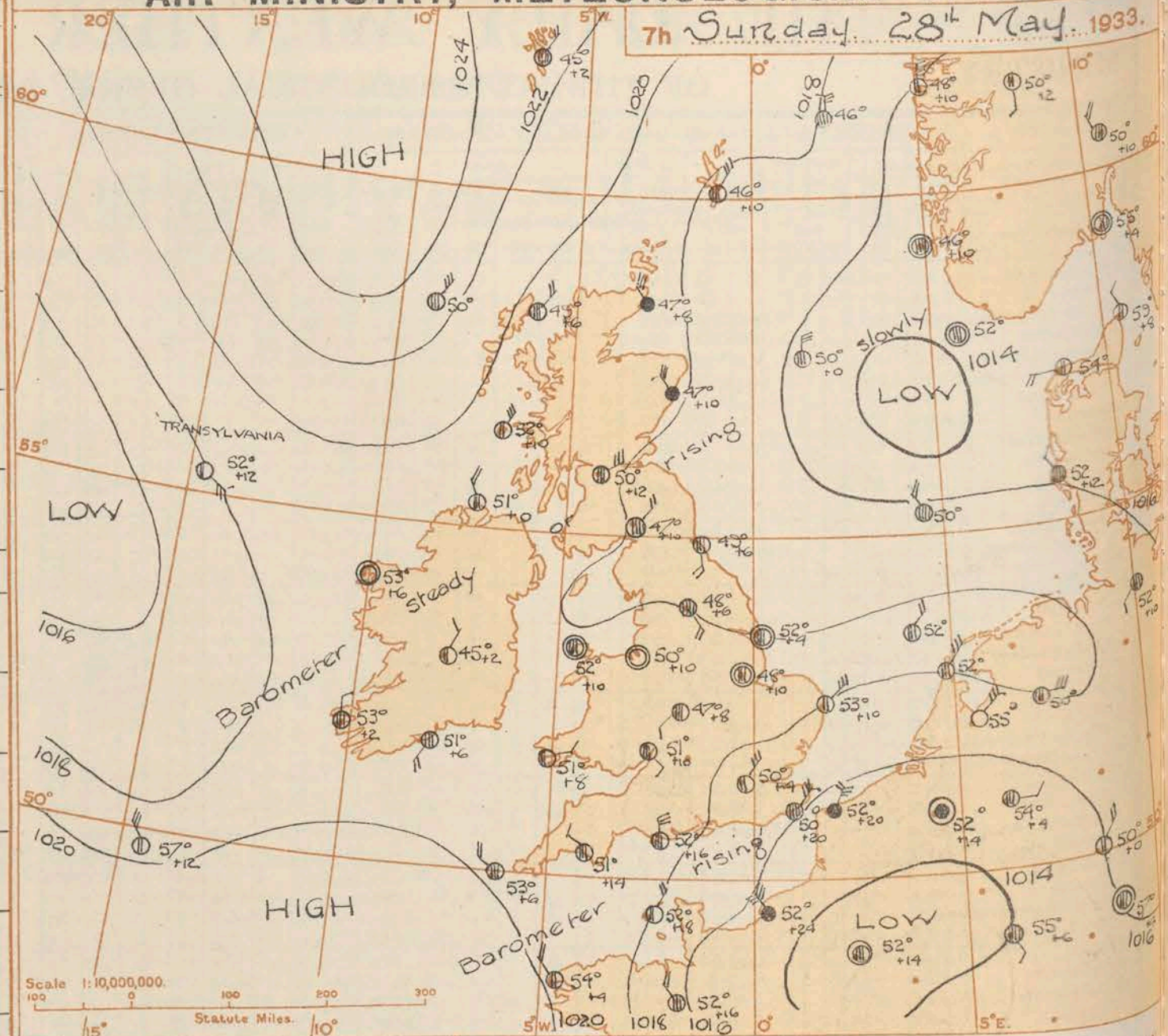
REPORTS from HEALTH RESORTS for 24th May 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 26th to 9h. 27th.	Temperature. Max. 9h.—17h. 27th.	Rainfall. Night. 17h. 26th to 9h. 27th.	Rainfall. Day. 9h.—17h. 27th.	Sunshine. Sunrise to 17h. 27th.	Sunrise to Sunset. 26th.
1	Tunbridge W.	bcco	oro	43	62	0.5	1	5.1	4.9
	Bournemouth	r	r	43	51	7	14	0.0	8.5
	Ventnor ...	corm	orm	47	54	3	20	0.5	11.1
	Southsea ...	borr	orr	46	53	1	10	2.0	8.6
	Bognor Regis	bbcR	R rr	46	56	Trace	24	2.1	7.4
	Littlehampton	cr	cr	45	56	-	25	3.1	6.1
	Worthing ...	cr	rr	45	55	-	12	3.3	2.4
	Brighton ...	bccur	rr	47	56	-	6	4.2	1.7
	Eastbourne†	bcic	ir rr	49	57	-	2	4.6	4.6
	Hastings† ...	cbcc	coro	45	59	-	4	5.5	6.0
	Folkestone ...	bbc	bcor	47	61	-	2	4.8	6.8
	Dover... ...	m bc	bcor	46	60	-	0.6	5.3	6.1
	Deal	obcb	bodo	46	61	-	Trace	5.2	7.4
	Ramsgate ...	bcm	bco	49	61	-	-	5.1	8.7
	Margate ...	bc	bcc	49	60	-	-	6.1	9.6
2	Southend ...	bccm	ckrdo	51	64	-	0.2	4.2	7.2
	Maldon ...	bcc	crc	51	60	-	0.3	4.4	6.2
	Clacton-on-Sea	bc	bcc	48	57	-	-	7.3	7.7
	Dovercourt ...	bcc	bcc	48	55	-	-	2.9	8.2
	Lowestoft ...	bcc	cbcb	39	55	-	-	8.0	11.5
	Skegness ...	cbc	cobcb	48	55	Trace	-	7.1	9.8
	Mablethorpe	bc	bbc	42	54	-	-	9.0	8.4
	Cleethorpes ...	cbc	bcb	43	56	-	-	7.7	7.0
3	Leamington S.	co	or	48	62	-	3	0.0	5.7
4	Cheltenham†	orrm	ortcm	43	54	4	19	0.2	4.6
5	Bath	rr	rrc	46	53	8	11	0.0	3.2
	Weymouth ...	rird	dirc	47	57	9	4	0.1	9.5
	Jersey ...	rc bc	bcc	50	58	3	-	4.5	11.0
	Torquay ...	rdpbcq	cbcbcq	47	59	1	-	6.0	10.0
	Penzance ...	bcb	b	50	59	8	-	10.4	5.7
	St. Ives ...	b	b	51	55	4	-	10.6	5.8
	Bude	p bc	cpbc	50	56	2	1	5.6	10.5
	Ilfracombe ...	cbc	bc	48	57	11	-	3.0	7.7
6	Aberystwyth	bccrc	cprc	47	58	8	1	4.0	6.0
7	Llandudno ...	rcbc	bcb	48	58	7	0.2	6.1	7.4
	Colwyn Bay...	rbcbc	bcbcb	49	56	9	-	5.2	7.1
	Rhyl								
8	Wallasey ...	bccor	Rroc	50	58	-	5	1.3	10.7
	Southport‖ ...	bcco	oPcbcc	49	59	0.5	8	2.4	13.1
	Blackpool ...	c	cbc	49	61	0.2	Trace	5.1	13.0
	Morecambe ...	bbcrc	c	50	60	-	2	4.0	13.0
9	Ilkley... ...	c	c	45	60	-	-	1.4	8.6
10	Berwick-on-T.	c	obc	47	53	-	-	3.9	10.9
11	Dunbar ...	r bc	bc	46	54	Trace	-	1.7	7.0
12	Troon... ...	wbcc	cbcc	44	60	-	-	5.0	12.2
	Douglas ...	bcb	cbbc	47	59	4	-	7.6	5.4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday 28th May 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◯ Sky less than 1/10 clouded. ◐ Sky 1/10 to 5/10 clouded. ◑ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✱ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm.
SEA DISTURBANCE. ⌒ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Wind northeast to north, light to moderate, falling light variable later, fair apart from local showers; moderate temperature.
4. W. Midlands	Wind variable light; then as 0 - 3.
5. S.W. England	Wind westerly at first becoming southwesterly, light becoming moderate, fair at first, cloudy with slight rain or drizzle tomorrow; moderate temperature.
6. South Wales 7. North Wales	Wind variable, light at first; then as 5.
8. N.W. England	Wind variable, light, becoming southerly later, cloudy, with intermittent rain at first, fair later; rather cool.
9. N. Midlands	As 4.
10. N.E. England	As 8.
11. S.E. Scotland	Wind variable, light, cloudy with local showers at first; fair later; rather cool.
12. S.W. Scotland & Isle of Man	Wind variable, light; fair; moderate temperature.
13. A. W Scotld. B. N.W. Scotland.	Wind northerly becoming variable, light; fair; rather cool.
14. Mid-Scotland	Wind northerly, light to moderate, cloudy; local showers; rather cool.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind variable, light becoming south or southwest moderate; fair at first, cloudy with intermittent rain or drizzle later; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	

GENERAL INFERENCE.

Pressure is high to southwest of the British Isles and to north of Iceland. A depression centred over Central France is moving away east-south-east. A depression to the west of Ireland is moving slowly east and a shallow depression over North England is filling up. Some drizzle or rain will occur at first in Northern England and rain will spread later from the Atlantic to western districts. Elsewhere conditions will be mainly fair.

FURTHER OUTLOOK.

Mainly fair except in west and southwest districts.

Forecasts issued at 1030 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. Pa. 750/2673. Wt. 4 7. 0 6001. Gp. 908. 2350. 5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY,
28TH MAY,
1933.
LOW
HIGH
Dutch Harbour
Behring Is.
Petropavlovsk
Ust Kamchatsk
Anadyr
St. Lawrence Bay
Nome
Cordova
Juneau
Fairbanks
Dawson
Fort Simpson
Fort Norman
Fort Smith
Fort Resolution
Fort Chipewyan
Prince Albert
Edmonton
Medicine Hat
Moosejaw
Winnipeg
Regina
Calgary
Banff
Kamloops
Prince Rupert
Victoria
Seattle
Spokane
Portland
San Francisco
Roseburg
Eureka
Red Bluff
Fresno
Los Angeles
San Diego
Phoenix
Flagstaff
Needles
Yuma
Grand Canyon
Salt Lake City
Grand Junction
Denver
Pueblo
Amarillo
Santa Fe
El Paso
Abilene
Fort Worth
Dallas
Austin
San Antonio
Houston
Galveston
Corpus Christi
Brownsville
Laredo
Del Rio
Eagle Pass
Presidio
Chihuahua
Mazatlan
Manzanillo
Acapulco
Salina Cruz
Tampico
Veracruz
Progreso
Belize
Frontera
Monterey
Leon
Torreon
Durango
Tepic
Guadalajara
Mexico City
Oklahoma City
Tulsa
Wichita
Kansas City
Omaha
Sioux City
Des Moines
Minneapolis
Duluth
Fargo
Bismarck
Williston
Medicine Hat
Swift Current
Moose Jaw
Saskatoon
Prince Albert
The Pas
Churchill
Port Nelson
Moosonee
Cochrane
Timmins
Sudbury
North Bay
Ottawa
Montreal
Quebec
Father Point
Sydney
Halifax
Yarmouth
Boston
Portland
Concord
Burlington
Albany
Buffalo
Toronto
Detroit
Cleveland
Pittsburgh
Harrisburg
Philadelphia
Atlantic City
New York
Washington
Baltimore
Norfolk
Cape Hatteras
Charleston
Wilmington
Columbia
Atlanta
Birmingham
Montgomery
Mobile
New Orleans
Jackson
Memphis
Little Rock
Shreveport
Nashville
Louisville
Cincinnati
Indianapolis
Chicago
Milwaukee
Green Bay
Marquette
Sault Ste. Marie
White River
Moosonee
Cochrane
Timmins
Sudbury
North Bay
Ottawa
Montreal
Quebec
Father Point
Sydney
Halifax
Yarmouth
Boston
Portland
Concord
Burlington
Albany
Buffalo
Toronto
Detroit
Cleveland
Pittsburgh
Harrisburg
Philadelphia
Atlantic City
New York
Washington
Baltimore
Norfolk
Cape Hatteras
Charleston
Wilmington
Columbia
Atlanta
Birmingham
Montgomery
Mobile
New Orleans
Jackson
Memphis
Little Rock
Shreveport
Nashville
Louisville
Cincinnati
Indianapolis
Chicago
Milwaukee
Green Bay
Marquette
Sault Ste. Marie
White River
Havana
Key West
Jacksonville
Tampa
Miami
Nassau
Kingston
Port Prince
Bermuda
Curaçao
St. Juan
St. Kitts
Trinidad
Barbados
Flores
Horta
Ponta Delgada
Godthaab
Godhavn
Julianehaab
Angmagssalik
Scoresbysund
Jan Mayen
Vestmanö
Thorshavn
Stornoway
Valentia
Holyhead
Falmouth
Helder
London
Paris
Brest
Cherbourg
Le Havre
Nantes
Bordeaux
Biarritz
Perpignan
Marseilles
Nice
Toulouse
Clermont
Lyon
Dijon
Metz
Strasbourg
Nancy
Reims
Lille
Ostend
Amsterdam
Utsire
Skagen
Copenhagen
Aalborg
Oslo
Bergen
Trondheim
Stockholm
Visby
Haparanda
Karlstad
Gothenburg
Malmö
Kristiansand
Stavanger
Aberdeen
Edinburgh
Belfast
Dublin
Galway
Shannon
Roches Point
Valentia
Scilly
Falmouth
Plymouth
Holyhead
Stornoway

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 28th May 1933.

No. 26120

OBSERVATIONS at 1 hr. G.M.T. 28th May

Diagram.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·3	+8	NE'N	3	b	47	85	6	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·6	+2	NNE	5	c	49	95	6	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016·7	+6	NE	4	bc	50	75	7	7	-	-	4-6	4-6	4000
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016·3	+4	NE	4	c	51	85	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1018·6	+4	NW	3	bc	47	95	8	1	-	1	2-3	2-3	4000
	Scilly (St. Mary's)	163	1019·5	+2	NNW	3	c	51	95	8	4	-	-	1	1	4000
	Guernsey ...	175	1016·6	+10	NNW	2	bc	52	85	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1018·3	+4	NE	1	bc	49	85	7	4	-	-	2-3	2-3	4000
7	Holyhead ...	26	1017·5	+2	NW	1	b	49	95	7	1	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·5	+2	NE	2	bc	47	95	7	-	2	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1017·3	0	SSW	2	0	49	85	7	5	-	-	10	10	1500
11	Inchkeith ...	190	1016·3	+6	E	2	[illegible]	49	85	8	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts D)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1017·1	0	NE	3	c	48	65	8	8	6	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	c	*	*	*	*	*	*	*	*	*
	Wick	81	1017·5	+2	NW	3	[illegible]	45	95	8	9	1	-	9	10	1500
16	Lerwick ...	54	1018·1	+4	NNE	3	[illegible]	46	95	6	8	2	-	9	10	800
17	Blacksod Point	18	1018·4	0	-	0	b	50	85	8	1	-	-	1	1	2500
18	Malin Head ...	52	1017·9	0	NW	2	c	51	65	8	5	2	-	9	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1018·6	-6	SW	1	c	49	95	8	4	-	-	9	9	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 28th May

Diagram.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1015·9	+1·8	N'E	3	b	50	75	7	1	-	1	1	1	2500	1	*
	Croydon ...	1017·6	+1·8	NNE	3	bc	50	75	7	5	3	1	1	2-3	2500	1	*
	S. Farnborough	1018·6	+1·2	NNW	3	b	50	75	8	-	-	-	0	0	-	1	*
	Winchester ...	1018·7	+1·2	N'W	3	b	49	85	7	5	-	-	Tr	Tr	1500	1	*
	Boscombe Down	1018·7	+1·2	N'E	2	b	49	85	7	-	-	-	0	0	-	1	*
	Calshot, (S'thmtn)	1018·2	+1·8	NW'N	3	b	49	85	8	1	-	-	Tr	Tr	4000	0	1
	Dungeness ...	*	*	NNE	4	c	*	*	6	3	-	*	9+	9+	800	*	3
	Lympne ...	1016·9	+2·0	NNE	4	b	50	95	6	5	-	-	10	10	800	1	*
2	Shoeburyness	1017·7	+1·8	N'E	4	bc	51	85	8	4	7	1	2-3	4-6	2500	1	*
	Felixstowe ...	1018·0	+1·8	NNE	3	bc	53	75	8	-	3	-	0	4-6	-	0	2
	Gorleston ...	1017·7	+1·0	NE'N	3	bc	53	65	7	7	-	-	4-6	4-6	2500	0	3
	Cranwell ...	1019·2	+1·0	-	0	c	48	95	6	5	-	-	9+	9+	2500	1	*
3	Birmingham ...	1019·6	+1·8	SW	1	c	47	85	8	5	-	-	7-8	7-8	4000	1	*
	Upper Heyford	1019·6	+1·9	ENE	2	bc	47	95	6	1	-	8	1	4-6	2500	1	*
4	Ross-on-Wye ...	1019·0	+1·0	ESE	1	c	51	85	6	5	-	-	9	9	4000	1	*
5	Portland Bill...	1018·8	+1·6	N	3	bc	52	85	7	4	-	-	2-3	2-3	2500	1	3
	Plymouth ...	1019·4	+1·4	WNW	1	c	51	95	7	5	3	-	7-8	7-8	800	1	1
	The Lizard ...	1019·5	+1·0	WNW	2	c	53	95	8	4	6	1	4-6	7-8	2500	0	1
	Scilly (St. Mary's)	1020·2	+1·0	WNW	2	c	53	95	8	5	-	-	9	9	4000	0	1
	Guernsey ...	1018·4	+1·8	NNE	2	bc	52	85	7	8	-	-	4-6	4-6	2500	0	2
6	Pembroke ...	1018·2	+1·8	E	1	bc	51	85	7	-	7	-	0	2-3	-	0	1
7	Holyhead ...	1019·5	+1·0	-	0	c	52	85	9	6	-	-	9+	9+	4000	0	0
	Chester (Sealand)	1019·2	+1·0	-	0	b	50	95	6	6	3	-	1	1	1500	0	*
8	L'pool (Bidston)	1019·3	+1·4	W'N	2	b	51	85	8	5	-	-	1	1	4000	0	*
9	Harrogate ...	1018·3	+1·6	S	1	m	49	95	4	6	2	-	9+	10	1150	1	*
10	Spurn Head ...	1018·9	+1·4	-	0	c	52	85	7	5	7	-	2-3	7-8	2500	0	1
	Catterick ...	1018·1	+1·6	SSE	2	o/r	48	95	5	5	-	-	10	10	2500	1	*
	Tynemouth ...	1017·9	+1·6	S	2	o	49	95	6	6	-	-	10	10	1500	1	*
11	Inchkeith ...	1018·6	+1·0	E	2	c	50	85	8	8	3	-	4-6	7-8	4000	0	2
	Leuchars ...	1018·6	+1·0	NW	2	b	50	65	8	5	3	3	Tr	1	4000	0	*
12	Renfrew (Abbotts D)	1019·0	+1·2	ENE	3	c	50	85	7	5	-	-	9+	9+	2500	0	*
	Eskdalemuir ...	1018·1	+1·0	NE'E	2	o	47	95	6	5	-	-	10	10	1500	1	*
13A	Tiree	1018·1	+1·0	NNE	3	bc	52	85	9	2	3	-	Tr	4-6	4000	0	3
13B	Stornoway ...	1017·6	+1·6	NE	2	c	49	75	9	8	6	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1019·1	+1·4	NE	1	bc	45	85	8	4	4	-	2-3	4-6	2500	1	*
	Aberdeen ...	1018·1	+1·0	NW	4	ir	47	85	7	8	-	-	9	9	1500	1	1
	Wick	1018·2	+1·8	NW	3	[illegible]	47	95	8	9	1	-	7-8	10	1500	4	2
16	Lerwick ...	1017·1	+1·0	NNE	3	c	46	95	7	5	2	-	7-8	9+	1500	0	*
17	Blacksod Point	1018·4	+0·6	-	0	bc	53	75	8	1	-	4	1	4-6	1500	0	1
18	Malin Head ...	1018·3	+0·6	NW	2	c	51	65	9	7	-	-	9+	9+	2500	0	1
	Aldergrove ...	1018·6	+0·4	NNW	1	c	50	75	9	8	-	-	9+	9+	4000	1	*
	Donaghadee ...	1018·4	+0·6	WNW	1	c	50	75	9	5	-	-	9	9	1500	0	0
19	Birr Castle ...	1018·7	+0·2	NE	1	bc	45	85	8	-	-	2	0	2-3	-	1	*
20	Valentia Obsy.†	1018·4	+0·2	N	1	c	53	85	9	5	3	-	7-8	9+	4000	1	2
	Roches Point...	1018·1	+0·6	SW	2	c	51	85	8	3	-	9	2-3	7-8	2500	1	2

PAST 24 HOURS.

Diagram.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 24th Hrs. (36)
1	London (Kew)...	61	415	39	2		3·0
	Croydon ...	61	44	41	4	0·3	2·5
	S. Farnborough	59	40	33	7	0·3	2·8
	Winchester ...	52	39	32	15	Tr	0·5
	Boscombe Down	51	39	36	8	Tr	0·0
	Calshot, (S'thmtn)	54	46	43	9	0·2	1·1
	Dungeness ...	59	48	*	3	1	*
	Lympne ...	60	48	47	3	1	5·0
2	Shoeburyness	61	43	42	1	0·3	4·3
	Felixstowe ...	56	41	40	-	-	3·8
	Gorleston ...	55	48	46	-	-	7·0
	Cranwell ...	62	37	32	-	-	5·9
3	Birmingham ...	55	45	37	9	-	0·0
	Upper Heyford	57	40	35	17	0·1	*
4	Ross-on-Wye ...	52	45	40	23	0·2	0·0
5	Portland Bill...	56	47	*	16	0·6	*
	Plymouth ...	57	47	40	0·6	-	6·6
	The Lizard ...	57	46	*	0·5	-	*
	Scilly (St. Mary's)	58	50	*	-	Tr	13·2
	Guernsey ...	59	49	44	0·5	-	5·2
6	Pembroke ...	58	46	*	Tr	-	11·8
7	Holyhead ...	56	47	36	Tr	-	10·0
	Chester (Sealand)	59	40	33	Tr	-	1·7
8	L'pool (Bidston)	59	47	45	5	-	3·7
9	Harrogate ...	56	46	45	-	1	0·3
10	Spurn Head ...	58	45	*	-	Tr	10·7
	Catterick ...	57	46	42	1	Tr	1·2
	Tynemouth ...	55	49	46	-	1	*
11	Inchkeith ...	55	48	45	-	0·2	1·9
	Leuchars ...	56	40	32	Tr	-	1·3
12	Renfrew (Abbotts D)	60	49	47	-	-	1·5
	Eskdalemuir ...	58	39	36	-	Tr	1·8
13A	Tiree	54	48	43	-	-	15·4
13B	Stornoway ...	52	47	*	0·4	Tr	7·6
15	Dalwhinnie ...	53	35	28	-	-	1·8
	Aberdeen ...	59	45	43	Tr	Tr	0·3
	Wick	50	45	*	0·6	0·2	*
16	Lerwick ...	48	45	*	-	Tr	0·0
17	Blacksod Point	58	45	*	-	-	*
18	Malin Head ...	54	49	*	-	-	5·4
	Aldergrove ...	58	40	31	Tr	-	7·6
	Donaghadee ...	57	42	*	-	-	*
19	Birr Castle ...	63	38	29	-	-	7·5
20	Valentia Obsy.†	59	47	46	-	1	10·7
	Roches Point...	64	48	*	-	Tr	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bm c p	corr	or m b	61	41	39	2	1	3·0	*	*	7
Croydon	217	bc c p r	c h q m r	c r m b	61	44	41	4	0·3	3·5	*	*	7
Greenwich (Royal Observatory) ...	149	c r	r c c r	r c b w	67	43	37	2	Tr	3·0	70	65	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	45	41	1		3·2	63	63	*
‡Regents Pk. (Botanic Gardens) ...	108	*	*	*	62	43	38	2		2·4	70	67	*
Camden Square	110	c r	c t c r	*	64	44	39	7	-	*		66	*
Kensington	80	b b c	c o r	b c w	62	45	37	1	1	2·8	At 18h.	?	*
Hampstead Observatory	450	b c o r	o t l r	o	59	41	35	8	0·3	2·3	89	71	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th

South Kensington. Max.	Time.	Min.	Time.
1·0	8h 27m	Nil	0-6h. 28th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	8h 27m	<0.1	12-14h. 27th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 24th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 28th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·7	S	2	RR	64	1013·8	-	0	c	52
Brussels	1012·8	SW	1	c	59	1014·8	-	0	t l r o	52
Berlin	1012·1	NNE	1	c	63	1015·4	-	0	b	61
Zürich	1015·8	SSW	1	f g	46	1015·9	S	1	c	48
Rome	1006·6	-	0	c d o	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	48	4	15
64	50	-	5
66	54	-	-
48	45	7	0·4
61		35	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† The observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 29th May 1933.

No. 26,121

OBSERVATIONS at 13h. G.M.T. 28th May

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	1019.4	0	N	3	bc	60	55	7	1	-	-	4·6	4·6	2500
	Croydon ...	1018.6	-2	NE	2	c	60	55	7	1	-	-	7·8	7·8	4000
	S. Farnborough	1019.2	0	NE'E	2	bc	63	55	7	1	-	-	4·6	4·6	4000
	Winchester ...	1019.2	0	NNE	2	bc	60	65	7	1	-	-	4·6	4·6	4000
	Boscombe Down	1019.1	0	N'E	2	c	60	55	7	2	-	-	7·8	7·8	2500
	Calshot, S'thmtn	1019.0	-2	NW	2	bc	63	55	7	1	-	-	4·6	4·6	4000
	Dungeness ...	*	*	NNE	4	c	*	*	7	5	-	*	7·8	7·8	800
	Lympne ...	1019.1	+8	NNE	4	c	56	65	8	4	3	-	4·6	7·8	4000
2	Shoeburyness	1019.4	+4	E	5	bc	58	65	8	2	-	1	2·3	4·6	4000
	Felixstowe ...	1019.2	+2	NE	4	bc	57	75	9	1	-	1	2·3	2·3	4000
	Gorleston ...	1019.4	+10	NNE	3	bc	56	65	7	1	8	-	2·3	4·6	4000
	Cranwell ...	1019.4	-4	ESE	1	c	59	65	7	5	-	8	9	10	2500
3	Birmingham ...	1019.3	-2	SSW	2	c	58	65	8	2	-	-	7·8	7·8	4000
	Upper Heyford	1019.5	-2	ENE	2	bc	60	65	8	2	-	8	4·6	4·6	4000
4	Ross-on-Wye ...	1018.6	+4	S	2	3o	63	65	6	2	-	-	2·3	2·3	4000
5	Portland Bill...	1019.9	+14	NW	2	bc	56	85	8	1	-	-	2·3	2·3	2500
	Plymouth ...	1019.8	0	SSW	3	bc	59	85	7	8	-	6	2·3	4·6	2500
	The Lizard ...	1020.7	+4	WNW	3	c	59	85	8	2	2	-	4·6	7·8	2500
	Scilly (St. Mary's)	1021.2	+4	W'N	3	c	58	85	8	8	7	-	4·6	9	2500
	Guernsey ...	1020.3	+6	NNW	2	bc	58	75	7	1	1	8	1	4·6	2500
6	Pembroke ...	1019.7	+2	WSW	1	bc	58	75	9	-	7	-	0	4·6	-
7	Holyhead ...	1019.7	+6	NNW	2	c	55	75	8	8	-	-	7·8	7·8	4000
	Chester (Sealand)	1019.2	0	W'N	3	bc	62	55	8	2	-	-	4·6	4·6	4000
8	L'pool (Bidston)	1019.6	0	NNW	2	bc	58	65	8	1	-	-	2·3	2·3	4000
9	Harrogate ...	1018.0	0	SSE	1	c	59	75	6	3	-	-	9+	9+	2500
10	Spurn Head ...	1018.9	0	SE'S	4	c	54	75	8	5	2	-	4·6	9+	2500
	Catterick ...	1018.5	+4	N'E	1	c/r	53	95	5	5	-	-	9+	9+	1500
	Tynemouth ...	1018.7	+2	ENE	2	c	51	75	7	6	-	-	7·8	7·8	1500
11	Inchkeith ...	1019.4	0	E	2	bc	58	65	8	7	-	-	4·6	4·6	4000
12	Leuchars ...	1019.2	+2	SE	1	c	55	65	9	5	-	-	9+	9+	4000
	Renfrew (Abbotts I.)	1018.3	0	ENE	2	c	60	55	7	7	-	-	9	9	4000
	Eskdalemuir ...	1018.3	+2	NE	3	c	54	65	8	5	-	-	10	10	1500
13A	Tiree	1019.6	+6	N'W	2	b	54	75	9	4	3	-	Tr.	1	4000
13B	Stornoway ...	1019.7	+6	NE	3	c	52	75	9	8	6	-	7·8	9+	1500
15	Dalwhinnie ...	1019.6	+10	NE	1	c	51	65	8	4	2	-	7·8	10	4000
	Aberdeen ...	1019.1	+2	NW	3	ir.	53	75	8	9	-	-	9+	9+	1500
	Wick	1019.7	-6	NNE	3	c	50	75	8	8	1	-	7·8	7·8	1500
16	Lerwick ...	1018.3	+6	NE	4	c	47	85	8	8	-	-	9+	9+	1500
17	Blacksod Point	1019.1	+8	N	3	bc	59	65	9	2	-	-	4·6	4·6	1500
18	Malin Head	1019.4	+8	NW	2	bc	53	75	9	8	3	-	2·3	4·6	2500
	Aldergrove ...	1019.9	+6	W	2	c	53	65	9	5	-	-	10	10	4000
	Donaghadee ...	1019.6	+8	N	1	c	53	75	8	5	-	-	9+	9+	1500
19	Birr Castle ...	1018.2	-2	WSW	1	bc	64	55	8	8	-	-	4·6	4·6	2500
20	Valentia Obsy.	1018.6	0	S	3	c	64	75	9	5	-	-	9+	9+	1500
	Roches Point...	1018.3	+6	SW	3	c	58	85	9	5	-	-	7·8	7·8	2500

OBSERVATIONS at 18h. G.M.T. 28th May

Dist.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1018·9	-6	NW	2	bc	65	45	7	8	-	-	4·6	4·6	2500	1	*
	Croydon ...	1018.6	+2	-	0	bc	62	55	8	2	-	-	2·3	2·3	4000	1	*
	S. Farnborough	1018.7	0	N'W	1	b	63	55	8	1	-	-	Tr.	Tr.	4000	1	*
	Winchester ...	1018.7	-4	SE	1	bc	63	65	7	7	-	-	2·3	2·3	4000	1	*
	Boscombe Down	1018.7	0	-	0	c	62	55	7	9	-	-	7·8	7·8	2500	0	*
	Calshot, S'thmtn	1019·2	+4	SSW	3	bc	58	75	7	8	-	-	4·6	4·6	4000	0	1
	Dungeness ...	*	*	NNE	3	bc	*	*	8	5	-	*	2·3	2·3	800	*	2
	Lympne ...	1019.9	+6	NE'N	2	b	56	65	9	-	-	-	0	0	-	0	*
2	Shoeburyness	1020.1	+4	ENE	3	bc	54	65	8	4	7	-	1	2·3	5700	10	*
	Felixstowe ...	1019.6	+2	NE	3	bc	54	85	9	4	4	1	1	2·3	4000	0	2
	Gorleston ...	1019.6	0	ENE	2	b	54	65	7	-	-	1	0	1	-	0	2
	Cranwell ...	1018.7	-4	SW'S	2	c	59	65	6	8	-	8	7·8	9+	2500	0	*
3	Birmingham ...	1019·1	0	NNW	2	tlr.	52	85	5	9	-	-	7·8	7·8	1500	2	*
	Upper Heyford	1018.7	-2	SW	2	c	62	55	8	8	-	-	7·8	7·8	2500	1	*
4	Ross-on-Wye ...	1018·9	0	SE	2	c	58	75	7	8	6	-	7·8	7·8	4000	1	*
5	Portland Bill...	1020.6	+4	NW	2	c	55	85	8	5	-	-	10	10	2500	0	2
	Plymouth ...	1019.8	-2	SSW	1	c	56	85	8	8	9	8	1	9	4000	0	1
	The Lizard ...	1020.9	0	W'N	2	bc	57	95	8	7	7	-	2·3	4·6	4000	0	1
	Scilly (St. Mary's)	1020.8	0	SW	3	c	55	85	9	8	7	-	7·8	9+	4000	0	1
	Guernsey ...	1019·2	0	N'W	2	bc	56	75	7	-	3	2	0	4·6	-	0	2
6	Pembroke ...	1019.8	0	WSW	1	bc	57	85	7	5	7	1	2·3	4·6	4000	0	1
7	Holyhead ...	1019.9	+2	NNE	2	c	53	75	9	5	-	-	9	9	4000	0	0
	Chester (Sealand)	1019.8	+4	WNW	3	bc	57	65	8	5	-	-	2·3	2·3	2500	0	*
8	L'pool (Bidston)	1019.8	+2	NNW	3	bc	57	65	9	1	4	-	1	4·6	4000	0	*
9	Harrogate ...	1018·8	0	NNW	1	c	55	75	6	3	-	6	7·8	9	2500	1	*
10	Spurn Head ...	1018.5	-2	SE'E	2	c	54	95	7	5	2	-	4·6	9+	4000	0	1
	Catterick ...	1019·3	+6	NNE	2	c	52	85	5	5	7	-	7·8	9+	2500	1	*
	Tynemouth ...	1018·5	+4	NE	2	c	52	75	8	4	-	-	7·8	7·8	4000	0	1
11	Inchkeith ...	1019.5	0	E	2	c	53	75	8	5	7	-	4·6	9+	2500	0	2
12	Leuchars ...	1019.6	+4	E	1	c	53	65	9	5	-	-	9+	9+	2500	0	*
	Renfrew (Abbotts I.)	1018.6	+2	N'E	2	c	57	65	8	8	-	-	9+	9+	4000	0	*
	Eskdalemuir ...	1018.9	+4	ESE	1	c/pr	53	75	8	8	-	-	9	9	1500	1	*
13A	Tiree	1020·3	+2	N	3	b	53	75	9	4	4	-	Tr.	Tr.	4000	0	2
13B	Stornoway ...	1020·5	+2	NE	3	bc	50	75	9	8	4	1	2·3	4·6	1500	1	1
15	Dalwhinnie ...	1020.9	+4	NE	1	c	48	85	8	3	2	-	4·6	9	2500	0	*
	Aberdeen ...	1019·8	+8	NNW	3	c	51	75	8	8	-	-	9+	9+	1500	0	1
	Wick	1020.9	+8	NNE	3	c/pr	48	95	8	9	2	-	7·8	10	1500	1	2
16	Lerwick ...	1020.0	+8	NE	4	c	47	85	8	8	2	-	7·8	10	1500	0	*
17	Blacksod Point	1020.4	+8	N	3	b	57	65	9	1	-	-	Tr.	Tr.	4000	0	2
18	Malin Head	1020·3	+8	N	1	bc	53	85	8	2	-	3	2·3	2·3	1500	0	0
	Aldergrove ...	1019.9	-2	WSW	1	c	56	65	9	7	3	-	4·6	7·8	4000	1	*
	Donaghadee ...	1019.5	0	N	1	bc	57	65	8	7	-	8	2·3	4·6	2500	0	0
19	Birr Castle ...	1018·1	+2	WSW	1	c	65	55	8	8	-	-	7·8	7·8	2500	0	*
20	Valentia Obsy.	1020.1	+12	W	3	c/d	54	95	7	5	-	-	10	10	450	1	2
	Roches Point...	1019.7	+4	SW	3	c	57	85	9	5	-	-	7·8	7·8	2500	0	2

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 28th (37)	13h.–18h. 28th (38)	18h. 28th–1h. 29th (39)	1h.–7h. 29th (40)
1	London (Kew)...	bbcy	bcy	bcyc3m.	cm.bc
	Croydon ...	bcy	cbcy	pr3oc	oir.bcm.
	S. Farnborough	bc	bcy	bccRr	cbcm.
	Winchester ...	bbc	bc	bcc	cbcwm.
	Boscombe Down	bbcy	bccy	cybcc	cbcm.
	Calshot, S'thmtn	bybcy	bc		b
	Dungeness ...	o	b	*	o
	Lympne ...	oc	bc by	bol	bccpr
2	Shoeburyness	bc	bc	bcc	cpr.c
	Felixstowe ...	bcbv	bv	bv	bc3.
	Gorleston ...	bc	bc	bcc	c
	Cranwell ...	c	c, c3.	c3.	cm.
3	Birmingham ...	cbc	cTLrh	obc	c
	Upper Heyford	bc	bcy	bcc	cwm.
4	Ross-on-Wye ...	bccbc	bcclp.c	cp.c	cff
5	Portland Bill...	bc	bcc	c	cbc3.
	Plymouth ...	cbc	bcc	cb	bm.w
	The Lizard ...	c	cbc	bcw	bcw
	Scilly (St. Mary's)	c	cr.c	cbcc	c
	Guernsey ...	bc	bccbc	bccw	bcwbf
6	Pembroke ...	bcbvbc	bc	bco	bcc
7	Holyhead ...	cbc	c	cbc	bw
	Chester (Sealand)	bbcy	ybcvc	bcw	bwfcm
8	L'pool (Bidston)	bwb	bbvbc	bc	bcc
9	Harrogate ...	c	PHrc	c	c
10	Spurn Head ...	bc	cpr	cbcc	cb
	Catterick ...	cm.r	ir.cm.	cm.bw	bwbcc
	Tynemouth ...	oid.c	c	co	oid.
11	Inchkeith ...	cbc	bcc	c	c
12	Leuchars ...	bccyv	cjpcv	cvbcw	bccw
	Renfrew (Abbotts I.)	c cy	cyc	c cr.	cr.cm.
	Eskdalemuir ...	c	cprc	c	c cpr
13A	Tiree	bcb	b	b	bcw.
13B	Stornoway ...	c	cpr	bc	bcprc
15	Dalwhinnie ...	bc	c	*	bc
	Aberdeen ...	cir.d	cir.c	c	c
	Wick	cid.c	cprc	cpr.c	cprc
16	Lerwick ...	cpr	cp.	c	cp.
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head	cbc	bc	bc	bc
	Aldergrove ...	cv	o	cvb	bxof
	Donaghadee ...	c	cbc	bcb	b
19	Birr Castle ...	bcy	bccy	cbc	bccx
20	Valentia Obsy.	cv	cvcid.c	c	c
	Roches Point...	cv	cv	cbcw	bccw

§ The observations entered in the 18h section (cols 15-30) refer to 17h in this report.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t. thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r$_o$, slight rain. rr, continuous rain.
< . less than (for cloud height).
⊕, Solar halo. ☥ lunar halo. ⁄ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +. has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

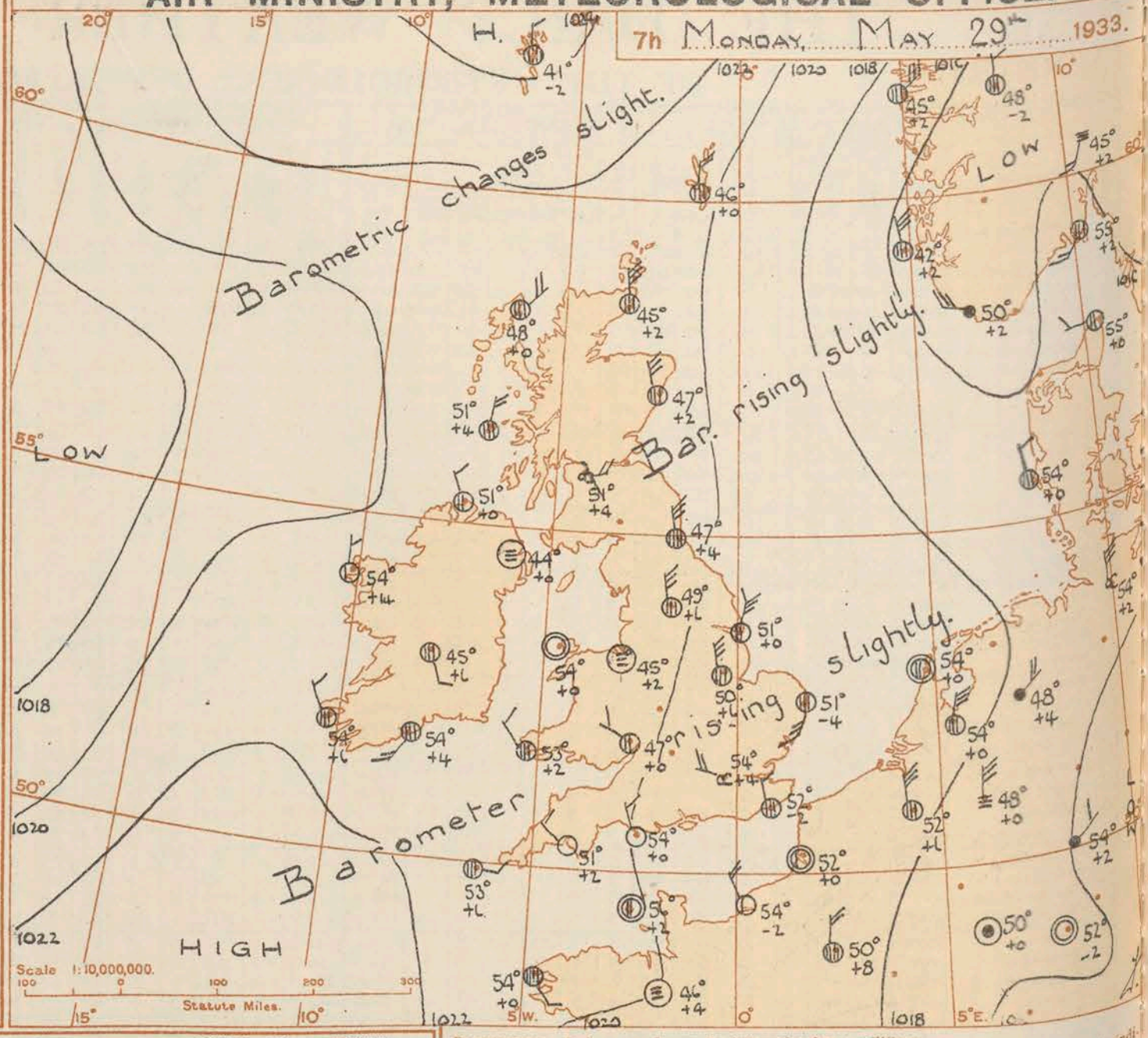
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 28th May 1933.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 27th to 9h. 28th	Temperature. Max. 9h.—17h. 28th	Rainfall. Night. 17h. 27th to 9h. 28th	Rainfall. Day. 9h.—17h. 28th	Sunshine. Sunrise to 17h. 28th	Sunshine. Sunrise to Sunset. 27th
1	Tunbridge W.	bcb	b	45	65	0·3	-	8·0	5·1
	Bournemouth	b	b	44	65	0·3	-	11·0	0.0
	Ventnor ...	ormb	b	46	62	1	-	11·7	0·5
	Southsea ...	b	b	45	65	0.4	-	11·6	2·0
	Bognor Regis	bcb	bbc	47	64	3	-	9.5	2·1
	Littlehampton	bc	bc	44	64	2	-	8·4	3·1
	Worthing ...	bbc	bc	46	64	2	-	8·8	3·3
	Brighton ...	bc	bc	46	64	-	-	6·1	4·2
	Eastbourne†	cbc	bcb	48	63	3	-	6·3	4·6
	Hastings† ...	cbc	bcb	50	62	0.6	-	5·3	5·5
	Folkestone ...	o	occb	49	60	4	-	4·8	4·8
	Dover... ...	oc	cb	51	60	4	-	4·2	5·3
	Deal	ocbc	b	51	59	3	-	5.0	5·2
	Ramsgate ...	cbcb	b	50	57	0·6	-	6·6	5·1
	Margate ...	bc	bcb	50	55	Trace	-	6·4	6·1
2	Southend ...	bbc	bv	44	61	Trace	-	10.8	4·2
	Maldon ...	bbc	bcb	47	63	-	-	8·4	4.4
	Clacton-on-Sea	bc	bc	46	59	-	-	11·3	7·3
	Dovercourt ...	bc	bbc	45	59	-	-	10·1	2·9
	Lowestoft ...	b	b	47	57	-	-	12.0	9·0
	Skegness ...	cbc	bco	41	57	-	-	6·0	8·8
	Mablethorpe	c	cor.	37	55	-	Trace	3·1	11·1
	Cleethorpes...	woc	crc	42	?	-	0·2	1·0	9.7
3	Leamington S.	bcc	bc	39	65	2	-	7·6	0.0
4	Cheltenham†	bm bc	bccor	41	65	-	1	8·8	0·2
5	Bath	b	bbcc	44	66	Trace	-	8·6	0.4
	Weymouth ...	b	bbc	47	64	-	-	10.5	0.4
	Jersey ...	bc	bbc	51	62	1	-	11·0	4.7
	Torquay ...	bz bcc	rpc	46	61	-	0·2	7·1	6·1
	Penzance ...	ochcb	bcb	47	63	-	-	6·8	12·3
	St. Ives ...	b	b	50	58	-	-	9·2	13·3
	Bude	b	bcc	45	60	-	-	11·0	6·5
	Ilfracombe ...	b	b	47	59	-	-	11·2	3.4
6	Aberystwyth	bccbc	bcb	45	59	-	-	8·9	5.7
7	Llandudno ...	bcb	bbc	41	58	-	-	8·9	8·6
	Colwyn Bay...	bbcb	bbc	41	59	-	-	9·9	7·8
	Rhyl								
8	Wallasey ...	b	b	47	58	-	-	11·0	2·7
	Southport‖ ...	bcb	b	49	60	5	-	10.7	3·3
	Blackpool ...	bcc	bcb	48	58	-	-	10.9	6·8
	Morecambe ...	b	b	48	59	Trace	-	10·5	4·2
9	Ilkley... ...	cbc	bc	47	64	-	-	4·8	1.4
10	Berwick-on-T.	bcc	bc	48	53	1	-	6·9	4·3
11	Dunbar ...	bc	bc	47	55	-	-	6·2	2·2
12	Troon... ...	oc	cbcc	46	57	-	-	3·1	6·8
	Douglas ...	cbbc	cbbc	45	57	-	-	5·6	10·1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T 29th May, 1933.
1. S.E. England 2. E. England .. 3. E. Midlands 4. W. Midlands	Light variable or northerly wind; mainly fair but chance of local thunderstorms; moderate temperature.
5. S.W. England 6. South Wales	Light westerly or variable wind; mainly fair; moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands	Light variable wind; mainly fair but chance of local thunderstorms; moderate temperature.
10. N.E England 11. S.E. Scotland	Light northerly or variable wind; cloudy, bright intervals, local showers, perhaps thunder; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. / B. N.W. Scotland. 14 Mid-Scotland	Light northerly or variable wind; mainly fair but local showers; moderate temperature.
15 N.E. Scotland 16. Orkneys and Shetlands.	Light northerly wind; cloudy, local showers; moderate temperature.
17. N.W Ireland	Light variable to southerly wind; fair at first, perhaps rain or drizzle later; moderate temperature.
18. N.E. Ireland 19. S.E. Ireland	Light variable wind; mainly fair; moderate temperature.
20. S.W. Ireland	Light or moderate variable to southwesterly wind; cloudy, occasional rain or drizzle; moderate temperature.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog ≡ Mist T Thunder. ⋈ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Anticyclones are situated to north and to southwest of the British Isles where pressure is nearly uniform. Weather will be mainly fair, but there is a chance of local thunderstorms in England.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 0915 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2 ... 47.0.6001 Gp. 918 ... 10.5/33

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Monday.
29th. May
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 29th May 1933.

No. 26.121

OBSERVATIONS at 1 hr. G.M.T. 29th May

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019.7	+4	SE	3	cc	52	95	6	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.7	+2	NW	1	c	45	95	9	-	3	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1020.0	-2	SSW	2	c	51	85	7	5	-	-	7-8	7-8	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019.9	0	NW	1	bc	53	95	7	5	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1021.1	0	-	0	bc	50	95	8	-	-	1	1	2-3	5700
	Scilly (St. Mary's)	163	1021.1	0	SE	2	c	50	95	8	5	-	-	7-8	7-8	4000
	Guernsey ...	175	1020.8	0	-	0	bc	48	95	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1020.0	+4	-	0	bc	51	95	7	5	-	-	2-3	2-3	5700
7	Holyhead ...	26	1020.0	0	-	0	b	50	85	8	-	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019.0	0	NNE	3	c	50	85	7	-	2	-	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1020.9	0	NW	2	0	49	75	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1021.3	+2	NE	2	c	49	85	8	5	-	-	9	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1020.9	0	NE	2	bc	45	95	8	8	6	-	4-6	4-6	1500
15	Dalwhinnie §..	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021.9	+2	N	2	c	46	85	8	8	1	-	7-8	10	1500
16	Lerwick ...	54	1020.7	0	NW	3	c	44	85	7	5	-	-	9+	9+	1500
17	Blacksod Point	18	1021.0	+4	N	2	b	51	75	8	1	-	-	Tr.	Tr.	4000
18	Malin Head ...	52	1021.2	0	SW	1	b	45	95	8	5	-	-	Tr.	Tr.	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1021.5	+10	W'S	2	c	53	95	8	5	-	-	9+	9+	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th May

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)...	1019.5	+2	W'N	1	b	54	85	6	-	3	-	0	Tr.	-	0	*
	Croydon ...	1019.6	+4	W	2	3c	54	85	6	-	3	-	0	Tr.	-	0	*
	S. Farnborough	1019.5	+4	WNW	1	b	53	85	6	5	-	-	Tr.	Tr.	1500	1	*
	Winchester ...	1019.7	+4	N'W	1	b	50	95	6	7	-	-	1	1	4000	1	*
	Boscombe Down	1019.6	+4	NNW	2	b	51	85	5	-	-	-	0	0	-	0	*
	Calshot, (S'thmtn)	1019.5	+6	-	0	b	53	75	7	-	4	-	0	1	-	0	0
	Dungeness ...	*	*	W	1	c	*	*	7	5	-	*	9	9	1500	*	0
	Lympne ...	1019.7	-2	NW	1	c	52	85	7	5	3	-	1	9+	5700	1	*
2	Shoeburyness	1019.5	+2	W'S	1	c	54	85	6	5	7	-	9	9+	2500	0	*
	Felixstowe ...	1019.2	0	-	0	3c	54	95	6	5	3	1	4-6	4-6	5700	0	0
	Gorleston ...	1018.6	-4	S'W	3	c	51	85	7	5	-	-	9+	9+	2500	0	2
	Cranwell ...	1019.7	+6	N'W	3	c	50	85	6	8	-	9	7-8	9	1500	0	*
3	Birmingham ...	1020.4	+4	NNE	2	c	50	85	6	5	-	-	7-8	7-8	4000	1	*
	Upper Heyford	1020.2	+4	NNW	2	3c	49	85	6	5	3	-	4-6	9	4000	1	*
4	Ross-on-Wye ...	1020.3	0	WNW	1	bc/f	47	95	5	7	3	-	4-6	4-6	4000	1	*
5	Portland Bill...	1019.7	0	NW	1	b	54	95	6	-	-	-	0	0	-	0	2
	Plymouth ...	1020.6	+2	WNW	1	b	51	85	7	-	-	-	0	0	-	0	1
	The Lizard ...	1020.9	+2	N'E	1	if	54	85	7	7	-	-	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	1021.1	+6	E	1	c	53	95	8	8	4	-	4-6	7-8	2500	0	1
	Guernsey ...	1020.3	+2	-	0	b/f	56	85	6	-	-	-	0	0	-	0	0
6	Pembroke ...	1020.8	+2	WNW	1	c	53	85	7	5	7	-	4-6	7-8	2500	0	1
7	Holyhead ...	1020.1	0	-	0	b	54	75	8	-	-	-	0	0	-	0	0
	Chester (Sealand)	1020.8	+2	-	0	m	45	95	4	5	-	-	9	9	2500	0	*
8	L'pool (Bidston)	1020.6	0	-	0	c	52	75	8	8	3	-	4-6	7-8	2500	0	*
9	Harrogate ...	1020.3	+6	NNW	3	c	49	75	7	5	-	-	9+	9+	5700	1	*
10	Spurn Head ...	1019.2	0	N'E	4	bc	51	85	8	1	7	-	2-3	4-6	4000	0	3
	Catterick ...	1022.4	+4	NW	2	c	50	85	7	7	-	-	9	9	2500	1	*
	Tynemouth ...	1020.1	+4	NNW	3	o/d	47	95	7	6	-	-	10	10	1500	1	2
11	Inchkeith ...	1021.7	+4	NE	1	c	49	75	8	8	5	-	4-6	9	2500	0	1
	Leuchars ...	1021.1	+4	-	0	c	48	75	8	5	-	-	9+	9+	5700	0	*
12	Renfrew (Abbotts I)	1021.0	+4	E	2	3c	51	75	5	5	-	-	9	9	5700	1	*
	Eskdalemuir ...	1020.7	+4	NNE	3	c/pr	49	75	8	5	7	-	9+	9+	1500	1	*
13A	Tiree	1020.6	+4	NE'E	2	c	51	85	9	8	5	-	9	9	2500	0	2
13B	Stornoway ...	1020.9	0	NE	2	c	48	65	9	4	7	-	7-8	9+	1500	1	1
15	Dalwhinnie §..	1022.5	+2	NE	1	bc	43	85	8	4	4	-	2-3	4-6	4000	1	*
	Aberdeen ...	1021.1	+2	NW'N	3	c	47	85	8	8	-	-	9+	9+	1500	0	1
	Wick	1021.7	+2	N	3	c	45	95	8	8	1	-	4-6	7-8	1500	1	2
16	Lerwick ...	1020.4	0	N	2	c	46	75	8	8	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1020.6	+4	N	1	b	54	75	8	1	-	-	1	1	1500	0	2
18	Malin Head ...	1020.9	0	NW	1	bc	51	95	8	4	-	-	4-6	4-6	1500	0	0
	Aldergrove ...	1021.2	0	-	0	bf-	44	95	3	-	-	-	0	0	-	1	*
	Donaghadee ...	1021.1	-	N'E	1	bc	51	75	8	7	-	1	1	2-3	2500	0	0
19	Birr Castle ...	1020.4	+6	SE	1	c	46	95	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.†	1021.4	+6	NW'W	1	c	54	95	8	5	-	-	9+	9+	800	0	2
	Roches Point...	1020.5	+4	SW	2	c	54	85	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

District.	Stations.	Temperature. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 28th Hrs. (36)
1	London (Kew)...	67	51	46	-	-	13.0
	Croydon ...	64	50	48	-	Tr.	11.4
	S. Farnborough	66	45	37	-	4	13.3
	Winchester ...	64	44	41	-	-	11.5
	Boscombe Down	65	46	41	-	-	10.6
	Calshot, (S'thmtn)	65	49	45	-	-	12.8
	Dungeness ...	61	40	*	-	0.2	*
	Lympne ...	57	43	35	-	Tr.	7.0
2	Shoeburyness	60	47	41	-	Tr.	10.4
	Felixstowe ...	59	46	39	-	-	12.2
	Gorleston ...	56	49	46	-	-	13.6
	Cranwell ...	61	45	41	-	-	0.9
3	Birmingham ...	63	46	34	14	4	6.2
	Upper Heyford	64	45	40	-	-	*
4	Ross-on-Wye ...	64	43	36	0.2	0.2	8.6
5	Portland Bill...	59	50	*	-	-	*
	Plymouth ...	59	45	38	-	-	8.4
	The Lizard ...	61	48	*	-	-	*
	Scilly (St. Mary's)	59	49	*	0.3	-	5.8
	Guernsey ...	(58)	47	40	-	-	10.7
6	Pembroke ...	59	49	*	-	-	14.8
7	Holyhead ...	57	48	33	-	-	6.3
	Chester (Sealand)	64	36	33	-	-	10.3
8	L'pool (Bidston)	58	49	46	-	-	12.2
9	Harrogate ...	59	45	45	1	-	1.3
10	Spurn Head ...	58	47	*	0.6	0.6	2.9
	Catterick ...	57	45	42	0.4	-	0.3
	Tynemouth ...	54	47	44	Tr.	Tr.	*
11	Inchkeith ...	60	47	41	-	-	5.8
	Leuchars ...	56	38	29	-	-	3.6
12	Renfrew (Abbotts I)	61	47	47	-	1	3.2
	Eskdalemuir ...	56	45	43	1	0.2	0.6
13A	Tiree	55	47	42	-	-	13.6
13B	Stornoway ...	52	41	*	Tr.	0.1	2.3
15	Dalwhinnie §..	51	35	30	-	0.1	0.7
	Aberdeen ...	53	44	44	0.1	-	0.7
	Wick	50	43	*	0.2	0.5	*
16	Lerwick ...	47	42	*	0.6	0.1	0.0
17	Blacksod Point	60	46	*	-	-	*
18	Malin Head ...	55	43	*	-	-	7.6
	Aldergrove ...	56	36	29	-	-	2.3
	Donaghadee ...	58	45	*	-	-	*
19	Birr Castle ...	66	39	29	-	-	9.6
20	Valentia Obsy.†	65	53	50	Tr.	-	2.9
	Roches Point...	59	51	*	-	Tr.	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
KEW	18	bbcy	bcy	bcyc3mbc	67	51	46	-	-	13.0	*	*	6
CROYDON	217	bcy	cbcy	procbcm	64	50	48	-	Tr.	11.4	*	*	5
GREENWICH (Royal Observatory) ...	149	cy	cby	bcrcb	66	49	45	-	1	9.9	52	65	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.1	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	67	51	49		1	11.9	70	61	*
REGENTS PK. (Botanic Gardens) ...	165	*	,	*	67	50	47		1	11.7	57	66	*
CAMDEN SQUARE	119	c	cbc	*	67	50	49	-	4	*	*	62	*
KENSINGTON	80	cbc	bcy	*	66	50	47	-	0.5	10.5	At 18h.	63	*
HAMPSTEAD OBSERVATORY	450	bc	bc	or	64	48	40	-	5	12.5	51	63	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 29th

South Kensington. Max.	Time.	Min.	Time.
0.6	6h. 29m	Nil	11-18h. 28th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	23h. 28m	<0.1	13-17h 28th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1016.3	N	1	c	63	1019.0	N	2	0	50
BRUSSELS	1017.0	NE	1	c/r	55	1018.3	N	3	c	52
BERLIN	1016.0	NNW	3	bc	63	1015.7	E'N	1	b	61
ZÜRICH	1014.8	SW	1	bc	57	1015.5	SSW	2	rr	46
ROME						1011.8	-	0	c	59

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	50	-	-
64	48	0.6	-
70	52	Tr.	-
63	45	:	24
	48		-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 "
2	Fog	550 "
3	Moderate fog	1,100 "
4	Mist or haze	1¼ miles.
5	Poor visibility	2¼ "
6	Moderate "	6½ "
7	Good "	12½ "
8	Very good "	31 "
9	Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station

‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

§ The period referred to in cols. 31, 32, 34 & 35 are 7h to 17h and 17h – 7h in this report

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 30th May 1933.

No. 26,122.

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 29th May: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)	OBSERVATIONS at 18h. G.M.T. 29th May: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	PAST 24 HOURS. Weather. 7h.–13h. 29th (37)	13h.–18h. 29th (38)	18h. 29th to 1h. 30th (39)	1h.–7h. 30th (40)
1	London (Kew)	1019·2	-4	NNW	3	c	62	55	7	8	3	–	7-8	9	4000	1018·8	0	N'E	3	c	60	45	7	8	3	–	4-6	9	2500	0	*	bm,c	bc t p,c	cbc z,b	bm,
	Croydon	1018·5	-6	NW	3	c	63	55	7	8	–	–	7-8	7-8	4000	1018·3	+2	NE	3	c	60	55	7	8	3	–	4-6	9	4000	1	*	bcm,cPRby	by t lrc z,	cbm,	cwbcm,
	S. Farnborough	1018·6	-6	NW	1	bc	65	55	7	8	–	–	4-6	4-6	4000	1018·2	+4	NNE	2	c	61	55	7	5	3	–	7-8	7-8	5700	0	*	b, cbcy	bccpr,c	bccbm,	bwm
	Winchester	1018·7	-6	NNW	3	c	61	65	7	8	–	–	7-8	7-8	4000	1018·5	0	WNW	2	c	58	75	7	8	–	–	9+	9+	4000	1	*	bm, c z, c	c	c bc	b bcc m,
	Roscombe Down	1018·7	-8	W'N	2	c	62	55	6	8	–	–	9	9	4000	1018·8	+2	NE	1	c/r	54	85	7	6	–	–	9+	9+	1500	1	*	bm, c z, y	c t l p, p r r	c p r bc	bc c m,
	Calshot, S'thmtn	1018·5	-10	S'W	4	bc/pr	64	65	7	8	–	–	4-6	4-6	4000	1018·3	0	SW'S	2	bc	57	75	7	8	–	–	4-6	4-6	4000	1	1	bbc p r t.	c t l h,		bc m,
	Dungeness	*	*	SW	2	c	*	*	6	5	–	*	9	9	1500	*	*	WNW	1	c	*	*	6	8	–	*	9	9	1500	*	0	c	r	*	o
	Lympne	1018·6	-10	S	2	t	58	75	6	9	–	–	9	9	2500	1018·8	-2	NNW	2	bc z,	53	95	6	5	–	3	4-6	4-6	5700	1	*	pr, c t l	TLRHc pr	bc b v	b v c
2	Shoeburyness	1018·6	-6	NNW	3	bc	62	65	7	8	–	–	4-6	4-6	4000	1019·0	+4	E	2	c	55	75	7	8	7	–	4-6	7-8	4000	0	*	c b c m,	b c y c	c bc	b w bc
	Felixstowe	1018·6	-4	WSW	2	c j p	60	65	7	8	–	–	7-8	7-8	2500	1018·5	-2	NE	3	bc	53	85	8	8	–	–	4-6	4-6	4000	0	2	bc z, c p, c	c b c	bc b	b
	Gorleston	1018·8	+2	N	4	c	53	85	6	4	–	–	7-8	7-8	2500	1018·9	-2	N'E	3	bc	55	75	7	7	–	–	4-6	4-6	2500	0	3	c p r c	c b c y	b c c	b c
	Cranwell	1020·0	-2	NNW	3	c	57	65	7	8	–	–	9+	9+	2500	1019·7	-2	NNE	2	c	56	75	8	8	3	–	7-8	7-8	2500	0	*	c p r,	c p r b c	b c b w	b w c
3	Birmingham	1019·5	-2	NE	2	c	59	55	6	9	3	–	4-6	7-8	2500	1019·2	+2	E	2	bc	58	55	6	8	–	–	2-3	2-3	4000	1	*	b c c	c b c	b b c	b c
	Upper Heyford	1019·3	-8	NNE	3	c z,	59	65	6	8	–	–	9+	9+	2500	1019·0	+4	NE	3	c	58	65	8	2	3	–	1	9	4000	0	*	c b c c z,	c b c y c	c b c	b c b f w
4	Ross-on-Wye	1019·4	0	NE'E	2	c	60	65	7	8	–	–	9+	9+	4000	1018·6	0	E	2	bc	61	65	6	8	3	–	1	4-6	4000	1	*	c b c c	p, b c t c	b c z b	b m w b z
5	Portland Bill	1019·3	-6	NW	2	bc	59	85	7	7	–	–	2-3	2-3	2500	1018·3	-10	W	3	c	56	95	7	5	4	–	4-6	7-8	2500	0	2	bc	bcc	bcb	'b b c
	Plymouth	1020·0	-2	SSW	3	c j p	57	75	8	8	5	1	7-8	7-8	2500	1019·0	-8	S	1	bc	59	75	9	8	–	–	4-6	4-6	4000	0	1	b b c c j p	c p r, b c v	b c v b	b w
	The Lizard	1020·9	0	NW	2	bc	61	75	8	7	–	–	2-3	2-3	4000	1020·1	0	N'E	1	b	61	65	8	–	–	–	0	0	–	0	1	bc	bcb	bw	b b c w
	Scilly (St. Mary's)	1021·8	0	N'E	2	bc	59	85	8	8	4	–	2-3	2-3	2500	1021·0	-2	N'E	2	b	57	85	8	1	–	–	1	1	4000	0	1	c b c	b c b	b b c b w	c
	Guernsey	1020·0	-2	–	0	bc	62	65	7	1	1	–	1	2-3	2500	1019·4	-6	NNW	2	b	59	75	7	–	–	–	0	0	–	0	1	b	b	b	b c b
6	Pembroke	1020·9	0	WSW	1	bc	56	85	8	–	4	3	0	2-3	–	1019·6	-4	–	0	b	56	85	7	5	–	–	Tr	Tr	5700	0	1	c b c b	b b c b	b b c w b	b c f F W c
7	Holyhead	1020·4	0	NW'N	2	b	56	85	8	1	–	–	Tr	Tr	4000	1019·2	-10	NW'N	2	bz,	55	85	7	–	–	1	0	Tr	–	0	0	b	b	bz, w	b b c m w
	Chester (Sealand)	1020·4	-4	WNW	3	c/pr	59	65	6	8	–	–	9	9	4000	1019·4	-4	NE'N	1	bc z,	60	65	6	5	–	–	2-3	2-3	4000	0	*	c z,	c u b c z,	b w m	b m w
8	L'pool (Bidston)	1020·4	+2	NNW	2	c	55	65	8	5	–	–	9	9	2500	1019·5	-2	NNW	1	bc	59	55	8	3	–	8	2-3	2-3	4000	0	*	c	c b	y b c b m,	b b w m
9	Harrogate	1020·7	0	N	3	c p r	53	75	7	6	2	–	9	10	2500	1019·9	0	N	1	bc	53	65	7	5	3	–	1	2-3	4000	0	*	c p,	c p, b	c	c
10	Spurn Head	1019·5	0	N'E	5	c	55	85	7	5	2	–	4-6	9	4000	1019·4	0	N'E	5	bc	53	85	7	3	7	–	2-3	4-6	4000	0	4	b c c p r	c b c	b c w	b c w
	Catterick	1020·8	0	NNE	2	c	52	75	7	8	–	–	10	10	1500	1020·3	-2	NNE	2	c	52	75	8	4	–	–	7-8	7-8	2500	1	*	c	c	b c b w	b c c
	Tynemouth	1020·5	0	N	3	c	50	85	8	4	–	–	7-8	7-8	4000	1020·1	0	NNE	2	bc	50	85	8	2	–	–	4-6	4-6	2500	0	2	o c	c b c	b c c	c o m, p o
11	Inchkeith	1021·5	-2	E	2	c	51	75	9	8	–	–	9+	9+	4000	1020·2	-12	E	2	c	54	65	8	8	4	–	4-6	7-8	4000	0	2	c	c	c	c
	Leuchars	1021·1	-2	E	2	c	50	75	8	7	7	–	7-8	10	2500	1020·3	-8	E	3	c	51	65	8	5	7	–	7-8	7-8	4000	0	*	c w c	c b c v	b c v c	c b w b c
12	Renfrew (Abbotsl)	1020·0	-6	NE	1	bc	59	65	7	8	–	–	4-6	4-6	5700	1018·5	-10	W'S	1	c	58	75	7	8	–	+5	4-6	9	4000	0	*	c z,	c z, b c	c b c	b c c m,
	Eskdalemuir	1020·3	-2	N	1	c	54	55	8	5	–	–	9+	9+	4000	1019·4	-4	ENE	2	c	54	65	8	8	–	–	7-8	7-8	2500	1	*	c c y	c y b c	c	c w
13A	Tiree	1020·7	0	NE'N	3	c	56	75	9	2	5	4	4-6	7-8	2500	1019·1	-10	NNE	2	c	54	75	9	1	4	6	Tr	9+	4000	0	1	c b c	b c c	c w, b c	b c w,
13B	Stornoway	1020·4	-2	ENE	3	c	49	65	9	8	7	1	4-6	7-8	1500	1019·0	-8	ENE	3	bc	48	75	9	8	9	–	2-3	4-6	1500	1	1	c	b c	b c	b c
15	Dalwhinnie	*	-8	N	3	bc	53	55	8	4	–	–	4-6	4-6	4000	1019·6	-14	NE	2	bc	53	55	8	4	–	–	2-3	2-3	4000	0	*	bc	b c	*	b c
	Aberdeen	1021·2	0	NW	2	c	50	65	8	8	–	–	9+	9+	2500	1020·3	-6	N'W	2	c	52	55	8	8	3	–	2-3	7-8	5700	0	1	c r, c	c p r, b c	b c y b	b w b c c
16	Wick	1021·5	0	NNE	3	c	47	75	8	8	1	8	7-8	10	1500	1021·1	-2	NNE	1	c	47	85	8	8	1	–	7-8	9	1600	0	2	c p r, c	c	c b c	b c c
17	Lerwick	1020·2	-2	NNE	3	c/pr	45	85	8	8	2	–	4-6	9+	1500	1019·6	-4	N'E	3	c	47	65	9	5	–	–	9	9	1500	0	*	c p r,	c	c	c p r
18	Blacksod Point	1020·0	-8	–	0	bc	58	55	9	2	–	–	2-3	2-3	2500	1018·4	-10	N	1	bc	58	65	9	1	–	4	Tr	2-3	2500	0	1	bc	bc	bc	c b c
	Malin Head	1020·5	-2	NW	1	c	53	75	8	4	8	3	2-3	7-8	1500	1019·2	-8	NE	1	b	53	75	8	–	3	5	0	1	–	0	0	bc	c b c	bc	b c c
	Aldergrove	1020·2	-6	SW'N	2	bc	61	55	8	2	–	–	4-6	4-6	2500	1018·9	-6	E'S	1	c z,	60	65	7	1	–	–	7-8	7-8	1500	0	*	b f c f b	b c y	b c z,	b c b
	Donaghadee	1020·3	-2	ESE	2	bc	59	75	8	8	–	–	2-3	2-3	2500	1018·3	-8	ESE	1	c	55	85	8	8	3	–	4-6	7-8	2500	0	0	b	b b c c	c b c	b c
19	Birr Castle	1019·8	-4	NW	1	bc	54	65	8	1	–	–	4-6	4-6	2500	1018·2	-12	N	1	bc	65	55	8	7	–	–	2-3	2-3	2500	0	*	c b c	b c y	b c c	c
20	Valentia Obsy.	1021·0	-4	W	3	bc	57	85	8	8	3	9	2-3	4-6	1500	1018·9	-10	W	3	c	56	75	9	7	3	–	2-3	7-8	1500	0	1	c b c	b c c	c	c i r,
	Roches Point	1020·9	-6	SW	3	bc	59	85	9	3	–	–	4-6	4-6	2500	1018·9	-10	SW	3	bc	59	85	9	5	–	–	2-3	2-3	2500	0	2	c b c v	b c v	b c v c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thns.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⁄⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.
Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"t r" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

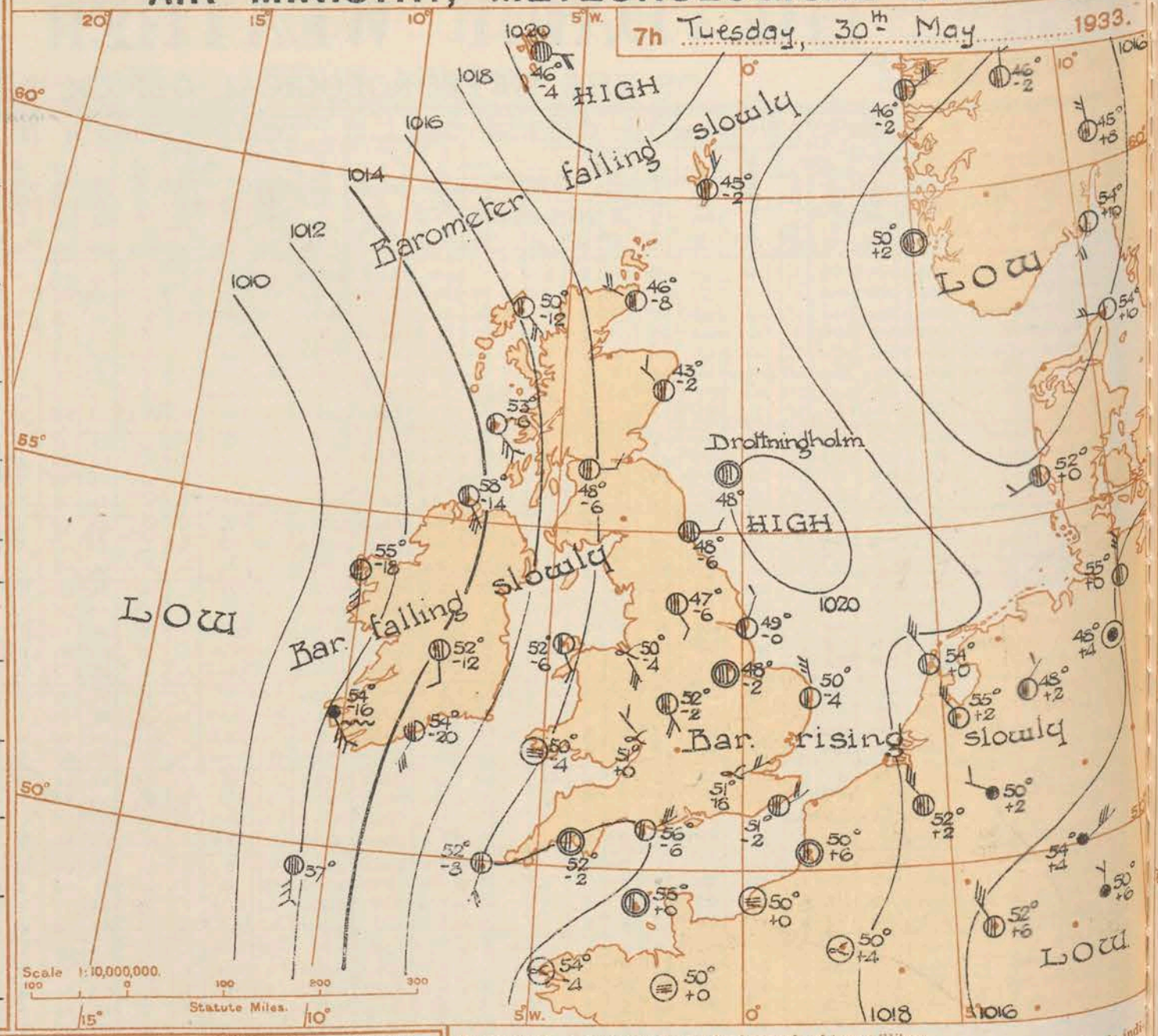
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 29th MAY 1933.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 28th to 9h. 29th	Temperature. Max. 9h.—17h. 29th	Rainfall. Night. 17h. 28th to 9h. 29th	Rainfall. Day. 9h.—17h. 29th	Sunshine. Sunrise to 17h. 29th	Sunshine. Sunrise to Sunset. 28th
1	Tunbridge W.	bctlr	ctlhr	48	60	-	14	3·4	9·5
	Bournemouth	bc	c	48	66	-	-	6·1	11·3
	Ventnor ...	bzutp	bpc	51	62	-	1	3·0	13·4
	Southsea ...	bbc	ctp	50	66	-	9	6·6	13·1
	Bognor Regis	bcb	bcrc	51	65	-	0·3	8·0	9·8
	Littlehampton	bc	bctlr	49	61	-	3	5·3	9·6
	Worthing ...	bcctl	tlRc	50	62	-	3	6·1	10·6
	Brighton ...	bctlr	cpc	52	61	Trace	8	5·8	7·1
	Eastbourne†	cbc	bcctlr	49	63	1	Trace	4·4	8·1
	Hastings† ...	bcc	cctlrc	47	60	0·1	8	4·3	6·8
	Folkestone ...	wcbc	bctlr	45	60	-	11	2·5	6·7
	Dover... ...	copc	cctlrbc	43	60	-	8	3·2	5·6
	Deal	cbc	cr bc	43	62	-	0·5	2·9	6·1
	Ramsgate ...	cpbc	bcpbc	48	61	-	1	4·8	8·1
	Margate ...	cd bc	cd bc	48	60	-	Trace	4·0	8·2
2	Southend ...	bcmc	bc	51	65	0·2	-	4·4	12·1
	Maldon ...	bbcc	bbc	46	62	0·3	-	5·7	10·0
	Clacton-on-Sea	cp c	bcbc	51	62	Trace	-	3·4	13·3
	Dovercourt ...	bcd	bcc	47	62	(Trace)	-	5·1	11·9
	Lowestoft ...	bbcc	cprbc	42	58	-	0·5	6·0	13·7
	Skegness ...	b	b	46	56	5	-	5·3	6·4
	Mablethorpe	cbc	bcu	44	53	4	-	7·9 86	3·1
	Cleethorpes...	bchR	bc	48	56	Trace	2	7·1	1·0
3 4	Leamington S.	cbc	bc	43	62	7	-	4·4	7·7
	Cheltenham†	bcz b	bbcc	44	64	-	-	6·6	8·8
5	Bath	bcb	bcclr	47	65	-	2	7·4	9·6
	Weymouth ...	b	b	45	66	-	-	11·5	10·5
	Jersey ...	b	b	47	64	-	-	11·3	11·3
	Torquay ...	b	bbcbc	46	66	-	-	9·6	7·2
	Penzance ...	bc	b	43	64	-	-	11·4	8·7
	St. Ives ...	b	b	47	59	-	-	11·1	11·2
	Bude	b	b	42	59	-	-	10·3	13·0
	Ilfracombe ...	b	b	47	60	-	-	10·3	13·9
6	Aberystwyth	bbc	bcb	46	60	-	-	10·1	10·9
7	Llandudno ...	b	b	40	60	-	-	11·5	9·5
	Colwyn Bay...	bbc	bcb	43	59	-	-	12·1	10·6
	Rhyl								
8	Wallasey ...	bccoc	bcb	45	59	-	-	4·2	12·3
	Southport‖ ...	ocbcb	bbcb	43	62	-	-	6·6	13·3
	Blackpool ...	cbc	bc	45	61	-	-	5·7	12·9
	Morecambe ...	cbcc	cbbcc	46	60	-	-	2·4	12·3
9	Ilkley... ...	c	cprbc	47	59	-	Trace	1·2	6·5
10	Berwick-on-T.	c	cbc	46	53	-	-	4·1	7·8
11	Dunbar ...	bc	bc	46	52	-	-	2·5	6·2
12	Troon... ...	wcbc	cbc	49	59	-	-	8·4	3·1
	Douglas ...	bccb	cbbc	45	57	-	-	7·2	8·3

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Max. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 1/10 clouded. Sky 1/10 to 5/10 clouded. Sky 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th May, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light variable breeze, becoming southerly, light or moderate; fair; high clouds tomorrow, becoming thicker; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England 11. S.E. Scotland	Light to moderate or fresh southerly wind; fair today, some rain tomorrow; moderate temperature.
12. S.W Scotland & Isle of Man 13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland	Freshening southeast wind; cloud increasing, rain later; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Light variable wind, becoming moderate southeasterly; fair; perhaps rain tomorrow; rather low to moderate temperature.
17. N.W Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh southerly wind; cloudy or dull, rain at times, perhaps bright intervals tomorrow; moderate temperature.

GENERAL INFERENCE.

A ridge of high pressure over Great Britain is moving slowly eastward and a large depression is spreading from the Atlantic. Weather will be fair today over Great Britain but there will be rain in Ireland, probably spreading slowly to all districts within about 36 hours.

FURTHER OUTLOOK.

Unsettled weather with rain at times spreading to all districts.

Forecasts issued at 0900 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. Pa. 755/2573. Wt. 47. D. 6001. Gp. 908. 23660. 5·33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Tuesday.
30th. May.
1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Page 1

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 30th May 1933.

No. 26.122

OBSERVATIONS at 1 hr. G.M.T. 30th May

Duration	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden	217	1019.7	+2	-	0	c	47	95	6	5	3	-	7-8	9+	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1019.8	-2	NNE	2	b	44	95	9	-	3	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1019.1	-2	NW	2	c	49	85	7	5	-	-	7-8	7-8	2500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	498	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1018.8	+2	NNE	1	b	52	95	8	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1020.3	0	-	0	b	48	95	8	-	-	1	0	Tr.	-
	Scilly (St. Mary's)	163	1020.3	-.6	SW's	1	b	50	95	8	7	-	-	1	1	4000
	Guernsey	175	1019.8	0	-	0	b	51	95	8	-	-	-	0	0	-
6	Pembroke	142	1019.5	0	-	0	bc.	50	95	7	7	6	-	1	2-3	4000
7	Holyhead	26	1018.6	-.6	S'E	1	b	47	95	6	5	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	"	"	"	"	"	"	"	"	"	"	"	"	"	"
9	Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1019.7	0	N	4	bc	48	95	7	-	2	-	0	2-3	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1020.2	+.4	W	1	c	48	85	7	4	-	-	7-8	7-8	4000
11	Inchkeith	190	1020.4	0	E	2	c	48	75	8	5	-	-	10	10	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway	34	1016.8	-.12	NNE	1	bc	45	95	8	8	4	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020.1	-.4	WNW	2	bc	40	95	8	5	1	-	4-6	4-6	2500
16	Lerwick	54	1019.2	-.4	NW	2	c	44	95	8	5	2	-	4-6	9	1500
17	Blacksod Point	18	1015.6	-.12	-	0	bc	54	75	8	4	-	-	4-6	4-6	1500
18	Malin Head	52	1017.0	-.16	-	0	b	47	85	8	5	-	-	1	1	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016.9	-.14	S	2	c	52	95	8	7	-	-	7-8	7-8	4000
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 30th May

Duration	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1019.5	+.4	E	2	b	53	75	b	1	-	-	Tr.	Tr.	2500	0	*
	Croyden	1019.9	+.6	E'N	2	3o	51	85	b	-	3	1	0	4-6	-	1	*
	S. Farnborough	1019.6	+.2	E	1	m	49	95	4	5	-	-	7-8	7-8	4000	1	*
	Winchester	1019.0	0	E	1	c	51	85	5	-	-	2	0	9+	-	1	*
	Boscombe Down	1018.7	+.2	E'N	1	c	49	95	b	-	-	b	0	7-8	-	1	*
	Calshot, (S'thmtn)	1018.6	+.2	ENE	3	c	55	85	b	-	-	b	0	7-8	-	1	0
	Dungeness	*	*	NE	2	c	*	*	7	2	-	*	9+	9+	1500	*	1
	Lympne	1019.4	-.2	ENE	2	c	51	85	8	7	-	-	7-8	7-8	2500	1	*
2	Shoeburyness	1019.7	0	NNE	2	bc	53	75	8	1	7	-	1	2-3	4000	0	*
	Felixstowe	1019.1	0	NNW	1	bc	52	85	8	1	-	-	2-3	2-3	4000	0	0
	Gorleston	1018.9	-.4	NNW	3	bc	50	85	6	8	-	-	4-6	4-6	2500	0	2
	Cranwell	1019.7	-.2	-	0	c	48	95	7	7	5	-	7-8	9+	4000	0	*
3	Birmingham	1019.2	-.2	SSE	2	c	52	65	7	-	3	-	0	7-8	-	1	*
	Upper Heyford	1019.3	+.2	E	1	bc	50	85	7	-	7	5	0	2-3	-	0	*
4	Ross-on-Wye	1018.6	0	NW	1	3o	51	85	6	-	-	9	0	1	-	1	*
5	Portland Bill	1017.9	-.6	ENE	3	bc	66	95	7	4	-	1	2-3	2-3	2500	0	2
	Plymouth	1018.2	-.2	-	0	fs	52	75	7	-	3	-	0	2-3	-	0	0
	The Lizard	1017.8	-.8	NE	1	bc	54	85	8	7	5	-	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1018.0	-.8	S'W	2	c	52	95	8	8	7	-	9	9+	4000	0	1
	Guernsey	1018.7	0	-	0	bc	65	85	7	-	3	-	0	4-6	-	0	0
6	Pembroke	1017.2	-.4	-	0	F	50	95	1	5	-	-	10	10	<150	1	0
7	Holyhead	1017.3	-.6	SSE	1	bc	52	95	6	2	-	9	Tr.	4-6	4000	0	0
	Chester (Sealand)	1018.5	-.4	SSE	3	3o	50	95	5	5	-	-	2-3	2-3	4000	0	*
8	L'pool (Bidston)	1017.8	-.6	SE'S	3	3o	50	85	5	5	-	-	2-3	2-3	800	0	*
9	Harrogate	1019.1	-.6	SE	1	c	47	95	5	5	3	-	7-8	9+	2500	0	*
10	Spurn Head	1019.0	0	NNE	1	bc	49	85	7	2	3	-	2-3	4-6	4000	0	1
	Catterick	1019.0	-.6	ESE	1	c	45	95	8	5	-	-	9+	9+	2500	1	*
	Tynemouth	1019.2	-.6	E	1	m	48	85	4	5	-	-	10	10	800	1	2
11	Inchkeith	1019.0	-.2	E	2	c	49	75	8	5	-	-	7-8	7-8	4000	0	1
	Leuchars	1018.5	-.6	E	2	bc	49	75	8	5	-	-	4-6	4-6	5700	0	*
12	Renfrew (Abbotsl)	1017.8	-.6	E	1	c	48	85	5	6	-	-	9	9	4000	0	*
	Eskdalemuir	1017.9	-.4	-	0	c	47	85	7	5	-	-	9+	9+	1500	1	*
13a	Tiree	1015.2	-.6	SE	4	bc	53	75	7	7	7	2	Tr.	2-3	4000	0	3
13b	Stornoway	1014.9	-.12	SE	2	bc	50	75	9	8	7	-	2-3	4-6	2500	1	0
15	Dalwhinnie	1018.0	-.4	ESE	2	bc	49	75	8	4	-	-	4-6	4-6	1500	1	*
	Aberdeen	1018.8	-.2	NW	1	c	43	85	7	5	-	-	9	9	4000	0	1
	Wick	1018.2	-.8	WNW	2	c	46	75	8	5	1	-	7-8	9	2500	0	2
16	Lerwick	1018.1	-.2	NNE	2	c/pr	45	85	8	8	7	-	4-6	9+	1500	0	*
17	Blacksod Point	1011.8	-.18	S	3	c	55	75	9	-	7	-	0	7-8	-	0	3
18	Malin Head	1013.5	-.14	S'E	3	c	58	75	8	7	7	-	7-8	9	2500	0	0
	Aldergrove	1015.7	-.10	ESE	4	b	54	75	8	1	5	1	Tr.	1	4000	1	*
	Donaghadee	1016.8	-.6	SSE	1	bc	53	85	7	8	-	1	2-3	2-3	2500	0	0
19	Birr Castle	1014.2	-.12	S	1	c	52	95	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.†	1012.3	-.16	SE'S	4	fr.	54	95	7	6	2	-	9	10	800	1	4
	Roches Point	1015.0	-.20	SW	3	c	54	85	8	3	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

Duration	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 29th Hrs. (36)
1	London (Kew)	63	49	41	Tr.	-	8.0
	Croyden	64	47	43	0.5	-	6.6
	S. Farnborough	66	40	32	Tr.	Tr.	9.1
	Winchester	64	41	36	-	-	7.9
	Boscombe Down	63	44	39	2	2	7.4
	Calshot, (S'thmtn)	66	44	44	2	0.1	7.8
	Dungeness	61	42	*	2	Tr.	*
	Lympne	60	42	38	18	-	4.1
2	Shoeburyness	65	44	32	-	-	5.1
	Felixstowe	62	42	39	Tr.	-	4.9
	Gorleston	58	46	44	3	-	6.7
	Cranwell	58	40	34	1	-	3.3
3	Birmingham	61	45	36	-	-	4.6
	Upper Heyford	61	43	34	-	-	*
4	Ross-on-Wye	64	44	36	Tr.	-	5.7
5	Portland Bill	60	50	*	-	-	*
	Plymouth	61	44	40	Tr.	-	11.6
	The Lizard	62	48	*	-	-	*
	Scilly (St. Mary's)	59	49	*	-	-	12.9
	Guernsey	63	49	42	-	-	13.6
6	Pembroke	58	46	*	-	Tr.	11.4
7	Holyhead	57	46	37	-	-	14.5
	Chester (Sealand)	62	41	36	Tr.	-	5.6
8	L'pool (Bidston)	59	47	44	-	-	6.4
9	Harrogate	55	43	40	Tr.	-	1.7
10	Spurn Head	57	45	*	0.2	Tr.	9.1
	Catterick	54	42	38	-	-	0.5
	Tynemouth	52	46	40	-	Tr.	*
11	Inchkeith	56	47	39	-	-	3.5
	Leuchars	54	39	29	-	-	3.8
12	Renfrew (Abbotsl)	61	38	34	-	-	3.7
	Eskdalemuir	58	43	40	-	-	2.1
13a	Tiree	57	42	29	-	-	12.4
13b	Stornoway	51	43	*	-	-	8.4
15	Dalwhinnie	55	38	38	-	-	9.2
	Aberdeen	53	34	32	Tr.	-	0.9
	Wick	49	36	*	0.1	-	*
16	Lerwick	48	43	*	Tr.	Tr.	1.1
17	Blacksod Point	*	-	-	-	-	*
18	Malin Head	60	53	*	-	-	10.8
	Aldergrove	54	45	*	-	-	9.4
	Donaghadee	63	42	37	-	-	*
19	Birr Castle	60	47	*	-	-	*
20	Valentia Obsy.†	68	47	37	-	-	12.9
	Roches Point	58	52	42	-	1	6.4
		62	52	*	-	-	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs, ended 9h.)	Weather. Afternoon. (24 hrs, ended 9h.)	Weather. Night. (24 hrs, ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bmoc	bc†poc	cbc3obm	63	49	41	Tr.	-	8.0	*	*	b
Croydon	217	bc†R bcy	bcy tlrc3	cbmwbc	64	47	43	0.5	-	6.6	*	*	b
Greenwich (Royal Observatory)	149	bc	cy	cbc	65	47	33	-	-	5.6	55	70	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.6	*	*	*
Westminster (St. James' Park)	27	*	*	*	65	51	47	-		6.9	56	58	*
†Regents Pk. (Botanic Gardens)	168	*	*	*	66	49	44	-		6.5	58	63	*
Camden Square	110	bcc	c	*	65	49	44	-	-	*	*	64	*
Kensington	80	b bc	bcc	*	64	50	43	-	-	6.9	At 18h. 63		*
Hampstead Observatory	450	bc	b	bc	61	46	36	-	-	7.8	53	63	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 30th

South Kensington.

Max.	Time.	Min.	Time.
1.0	7h.25m	Nil	12-21h 29th

Kew Observatory.

Max.	Time.	Min.	Time.
Defective record.			

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 29th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 30th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	1018.1	NW	2	tlr.	57	1018.6	-	0	3o	50	66	45	1	4
Brussels						1017.8	NNW	3	0	52		46	-	-
Berlin	1013.2	ENE	1	c	68	1014.6	ESE	1	c	61	72	54	-	0.6
Zürich	1014.6	SSW	1	0	50	1014.0	SW	1	0	48	52	46	1.3	1
Rome	1010.2	W	1	c	63	1010.1	-	0	bc	61	70	48	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-75
3	8-12	7	32-38	12	75
		8	39-46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	"
2	Fog	550	"
3	Moderate fog	1,100	"
4	Mist or haze	1¼	miles.
5	Poor visibility	2¼	"
6	Moderate "	6¼	"
7	Good "	12¼	"
8	Very good "	31	"
9	Excellent "	beyond 31m.	

COLUMN 36.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1hr. observations are from Valentia W/T station. ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 31st May 1933.

No. 26,123.

OBSERVATIONS at 13h. G.M.T. 30th May

Division	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1018·0	-6	SE	2	c	60	55	7	9	7	-	7·8	9+	4000
	Croydon	1017·7	-12	SSE	2	c	61	55	7	8	-	-	9	9	5700
	S. Farnborough	1017.6	-10	SE'S	3	c	62	55	7	7	-	8	4.6	7.8	4000
	Winchester	1017.4	-8	S	4	c	61	65	7	2	3	-	4.6	7.8	4000
	Boscombe Down	1017.0	-8	SE'S	4	c	59	75	7	8	-	-	9	9	2500
	Calshot, S'thmtn	1015.2	-6	E'S	4	bc	60	75	7	1	8	-	2·3	4.6	4000
	Dungeness	*	*	SE	2	c	*	*	7	7	-	*	7.8	7.8	1500
	Lympne	1019.0	-6	SSE	2	bc	56	75	9	8	-	-	4.6	4.6	4000
2	Shoeburyness	1018·4	-10	SE	2	bc	59	65	8	7	-	-	4.6	4.6	4000
	Felixstowe	1018·6	-4	ESE	3	bc	57	75	9	1	-	-	4.6	4.6	4000
	Gorleston	1018·6	-2	NE	2	bc	56	75	7	7	-	-	4.6	4.6	2500
	Cranwell	1017.5	-14	SSE	2	c	61	55	7	8	3	-	7·8	7·8	2500
3	Birmingham	1016.7	-8	S	3	c	60	55	8	8	-	-	7·8	7·8	4000
	Upper Heyford	1017.2	-12	SE'S	3	c	62	65	7	1	3	-	4.6	7·8	4000
4	Ross-on-Wye	1015·7	-12	S'W	3	3o	65	55	6	1	8	-	4.6	4.6	4000
5	Portland Bill	1017.5	-2	E	3	if	55	95	3	5	-	-	10	10	800
	Plymouth	1016.6	-12	S	3	c	57	85	8	5	7	-	4·6	7·8	1500
	The Lizard	1016.5	-6	S	1	c	58	85	8	8	1	-	2.3	10	2500
	Scilly (St. Mary's)	1015·4	-14	S	3	c	56	85	8	8	7	-	4.6	10	4000
	Guernsey	1017.6	-6	-	0	bc	64	55	8	7	-	-	2·3	2·3	2500
6	Pembroke	1015·4	-8	SE	2	c	55	95	7	5	-	-	10	10	2500
7	Holyhead	1015·5	-6	SW'S	4	c	58	75	8	3	3	-	Tr	7.8	4000
	Chester (Sealand)	1015·3	-16	SSE	2	c	65	55	7	7	-	-	7·8	7·8	4000
8	L'pool (Bidston)	1015·2	-6	S'W	2	c	65	55	7	7	-	-	7·8	7·8	2500
9	Harrogate	1016·9	-10	SE	3	b	56	65	7	5	-	-	1	1	4000
10	Spurn Head	1018·3	-2	E	3	c	53	75	7	3	3	-	2·3	9	2500
	Catterick	1016·9	-14	SE	3	bc	57	65	7	1	6	-	2·3	2·3	2500
	Tynemouth	1017.5	-8	SE	3	bc	52	75	8	4	-	-	4·6	4·6	4000
11	Inchkeith	1016·1	-10	E	3	bc	57	75	8	1	-	-	2·3	2·3	4000
12	Leuchars	1017.3	-6	E	3	bc	54	65	8	1	-	-	2·3	2·3	4000
	Renfrew (Abbotts L)	1014.4	-18	ESE	2	bc	63	55	6	2	-	-	4.6	4.6	4000
	Eskdalemuir	1014.8	-18	S	3	bc	61	45	8	2	-	-	4·6	4·6	4000
13A	Tiree	1013.2	-14	SE'E	5	b	60	65	8	4	-	8	Tr	1	4000
13B	Stornoway	1013·0	-8	E	2	bc	56	65	9	8	7	-	2·3	4.6	2500
15	Dalwhinnie	1014·9	-14	SE	3	c	56	55	8	4	-	-	7·8	7·8	2500
	Aberdeen	1017.2	-10	SE	3	bc	51	65	8	7	-	-	4·6	4·6	4000
	Wick	1017.0	-4	ENE	3	bc	50	65	8	7	8	-	2·3	4.6	4000
16	Lerwick	1017.6	-6	NNE	2	c/pc	46	85	8	5	7	-	7·8	9+	1500
17	Blacksod Point	1008·5	-6	SE	3	ic	57	85	8	5	-	-	9	9	450
18	Malin Head	1011·3	-14	S'E	4	c	62	77	7	-	7	-	0	9+	-
	Aldergrove	1013.5	-10	SE	4	c	58	75	8	7	3	-	4.6	7.8	4000
	Donaghadee	1014.6	-10	SSE	3	bc	56	85	7	8	3	-	2.3	4.6	2500
19	Birr Castle	1011.7	-14	S	3	c	60	65	8	5	2	-	2·3	10	2500
20	Valentia Obsy.	1008·9	-18	SE'S	5	rr	56	95	6	6	-	-	10	10	800
	Roches Point	1012.8	-14	SW	3	rc	54	95	7	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 30th May

Division	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base. (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1016·1	-8	SSW	3	bc	58	75	7	7	-	-	4.6	4.6	4000	0	*
	Croydon	1016·3	-6	SSW	3	c	56	75	7	5	3	-	4.6	7.8	5700	0	*
	S. Farnborough	1015·8	-6	S	2	c	59	65	7	8	3	-	7·8	7·8	4000	0	*
	Winchester	1015·8	-10	SSE	3	c	55	75	7	-	3	-	0	9+	-	0	*
	Boscombe Down	1015·4	-8	S'E	3	c	56	75	7	5	3	-	~~4·6~~	9+	4000	0	*
	Calshot, S'thmtn	1016·1	-6	E'S	3	c	56	75	7	5	3	-	4.6	7.8	4000	0	2
	Dungeness	*	*	SE	1	bc	*	*	7	7	-	*	4.6	4.6	1500	*	0
	Lympne	1017.4	-10	ESE	2	b	53	75	9	2	-	-	1	1	4000	0	*
2	Shoeburyness	1016·7	-14	SE'E	2	b	57	75	8	1	-	-	Tr	Tr	4000	0	*
	Felixstowe	1017.1	-10	E'S	2	bc	53	85	9	4	-	-	4·6	4·6	5700	0	1
	Gorleston	1017.1	-10	ESE	2	bc	53	75	7	1	7	-	2·3	4.6	2500	0	1
	Cranwell	1015·4	-8	E	3	c	58	65	8	4	-	-	7·8	7·8	4000	0	*
3	Birmingham	1014.3	-10	SSE	3	c	61	55	8	2	6	-	4.6	7.8	4000	1	*
	Upper Heyford	1015·6	-6	SE	2	B	57	75	7	2	3	-	Tr	1	4000	0	*
4	Ross-on-Wye	1014.3	-10	S	3	c	61	75	8	2	9	-	1	7·8	4000	1	*
5	Portland Bill	1015·5	-2	E	3	c	53	95	6	5	-	-	10	10	1500	0	2
	Plymouth	1014·8	-10	SSE	2	c	55	85	8	5	2	-	2·3	10	450	0	2
	The Lizard	1014.3	-4	~~SE'S~~ SW	3	c/pc	55	85	8	8	-	-	10	10	2500	0	2
	Scilly (St. Mary's)	1013.0	-14	S'W	4	c.c	53	95	7	8	-	-	10	10	4000	1	2
	Guernsey	1015·5	-10	NE	1	c	57	85	7	5	1	-	4·6	7·8	4000	0	1
6	Pembroke	1013.3	-16	SE	1	c	54	85	8	5	1	4	4.6	9	4000	0	1
7	Holyhead	1013.6	-14	SW'S	2	c	57	75	8	2	9	-	Tr	9+	2500	0	1
	Chester (Sealand)	1013·7	-6	W'N	2	ir	59	75	6	6	-	-	9+	9+	1500	1	*
8	L'pool (Bidston)	1013·6	-10	WNW	2	c	60	75	6	7	-	-	7·8	7·8	2500	0	*
9	Harrogate	1014.9	-10	SE	3	b	55	75	7	-	7	-	0	1	-	0	*
10	Spurn Head	1016·1	-6	SE'E	4	bc	52	85	8	-	3	-	0	2·3	-	0	3
	Catterick	1014.5	-12	ESE	3	3o	55	75	6	4	-	-	4.6	4.6	4000	0	*
	Tynemouth	1015·3	-10	SE	3	bc	51	75	8	4	-	1	4.6	4.6	4000	0	2
11	Inchkeith	1013·9	-12	E	4	pr	55	85	8	8	-	-	9+	9+	1500	1	3
12	Leuchars	1015·2	-14	ESE	3	b	53	75	8	1	-	-	Tr	Tr	5700	0	*
	Renfrew (Abbotts L)	1012.7	-6	ENE	3	bc	58	65	6	8	-	-	4.6	4.6	5700	0	*
	Eskdalemuir	1012·8	-12	SSW	3	bc	60	55	7	7	-	-	4.6	4.6	4000	1	*
13A	Tiree	1010·4	-16	SE'E	4	c	57	65	8	4	3	9	Tr	7·8	4000	0	3
13B	Stornoway	1010·4	-8	ENE	2	bc	56	75	8	8	6	-	2·3	2·3	2500	1	1
15	Dalwhinnie	1012.0	-20	SE	4	bc	58	55	8	4	-	-	2·3	2·3	4000	0	*
	Aberdeen	1015·6	-10	SE	4	b	50	75	9	1	-	-	Tr	Tr	2500	0	1
	Wick	1016·0	-12	E	3	bc	49	65	8	5	6	-	2·3	4.6	2500	0	2
16	Lerwick	1016·7	-8	NNE	2	c	46	75	8	8	2	-	7·8	10	1500	0	*
17	Blacksod Point	1005·2	-20	SE	4	c	57	85	9	5	-	-	9	9	450	0	3
18	Malin Head	1008·3	-20	SSE	4	c	63	75	7	2	9	-	1	9+	2500	0	1
	Aldergrove	1011·1	-8	SE	4	c	57	75	9	7	7	-	4.6	9+	5700	1	*
	Donaghadee	1012·3	-8	SSE	3	c	54	85	7	5	3	-	4.6	7.8	2500	0	2
19	Birr Castle	1009·2	-20	S	3	ic	56	85	8	6	2	-	9	10	1500	1	*
20	Valentia Obsy.	1005·6	-12	SE'S	5	dd	56	95	5	6	-	-	10	10	800	1	4
	Roches Point	1008·3	-18	SW	4	rr	53	95	7	6	-	-	10	10	1500	1	5

PAST 24 HOURS.

Division	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 30th (37)	13h.–18h. 30th (38)	18h. 30th to 1h. 31st (39)	1h.–7h. 31st (40)
1	London (Kew)	cl.cy	cp.bc	bcm.	c
	Croydon	bcl.c	cyprbcc	bccm.	c
	S. Farnborough	bccbcy	bcy	bcc	c
	Winchester	cm.c	cbcc	c	c
	Boscombe Down	cl.	c	cm.	c
	Calshot, S'thmtn	bcm.	bcc	c	c
	Dungeness	c	bc	*	bc
	Lympne	cbcv	cbv	bvw	bbcwc
2	Shoeburyness	bc	cb	bbc	bwbcc
	Felixstowe	bcv	bcvb	bcvb	b
	Gorleston	bccbc	bc	cbc	bc
	Cranwell	c	cbc	bcbw	bwm.
3	Birmingham	bc	cr.bc	bc	bcc
	Upper Heyford	bc	cl.b	b,cbc	bcc
4	Ross-on-Wye	bcl.	bcyc	c	c
5	Portland Bill	bcoif	oifcl.	c	c
	Plymouth	bbcc	c	cpr	cir.
	The Lizard	bcc ⊕	cpc.	cpr.c	cpr.o
	Scilly (St. Mary's)	c	crc.	ir.d.	d.d.m
	Guernsey	bcb	bbcfc	c	cbc
6	Pembroke	cfbcc	c	circ	cir.midc
7	Holyhead	bccbcl.	bcct	cm.	cm.c.
	Chester (Sealand)	bl.c	cirq R	r.cm.	cm.
8	L'pool (Bidston)	m.bbcy	c cp.c	c	c
9	Harrogate	cb	b	bbccRR	co
10	Spurn Head	bcc	cbc	cbc	bcc
	Catterick	cbc	bcl.	3o bcbw	bwom.o
	Tynemouth	ombc	bc	co	obc
11	Inchkeith	cbc	bcc	bc	bcw
12	Renfrew (Abbotts L)	bcwy	bybvb	bwm.	b,cwm.
	Eskdalemuir	cbbcl.	bccbcl.	bcl.m.	bccm.
13A	Tiree	cwbcy	bcy	bm.w	bm.w
13B	Stornoway	bcb	bbc	bc	bcc
15	Dalwhinnie	bc	bc	bc	bc
	Aberdeen	c	bc	*	c
	Wick	cbc	bcb	b	bbcc
16	Lerwick	cbc	bc	bc	bcc
17	Blacksod Point	cpc.	cpc.	c	coddm
18	Malin Head	cbc	ir.	id.	ir.
	Aldergrove	c	c	cpr.	crr
	Donaghadee	b,c	c	c	cir.
		bc	bcc	c	cid.
19	Birr Castle	c	cir.	oir	oirc
20	Valentia Obsy.	crrr.c.rr	crrdd	cddircbc	bcw
	Roches Point	cor.c.	orcorr	orr	orodc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog, „ less than 220 yds.
fs, fog over sea (coast station).
fg, fog on lower ground (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze; the turbid atmosphere of dry weather.

h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☿ lunar halo. ⚡ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cu-Nb.
4 St-Cu formed by the spreading out of Cu.
5 Layer of St or St-Cu.
6 Nimbus.
7 Fair weather Cu and St-Cu.
8 Large Cu (or Cu-Nb) and St-Cu.
9 Large Cu (or Cu-Nb) and Nb.

Note.—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than $\frac{1}{10}$ of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical A-St (thin).
2 Typical A-St (thick). (Sun or moon invisible).
3 Single layer of A-Cu or high St-Cu.
4 A-Cu in isolated bands. Individually decreasing (often lenticular).
5 A-Cu in bands (increasing).
6 A-Cu formed from the spreading out of Cu.
7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
8 A-Cu Castellatus (or A-Cu in ragged fragments).
9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Ci-St covering whole sky.
8 Ci-St not increasing and not covering whole sky.
9 Ci-Cu predominating, and a little cirrus.
(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

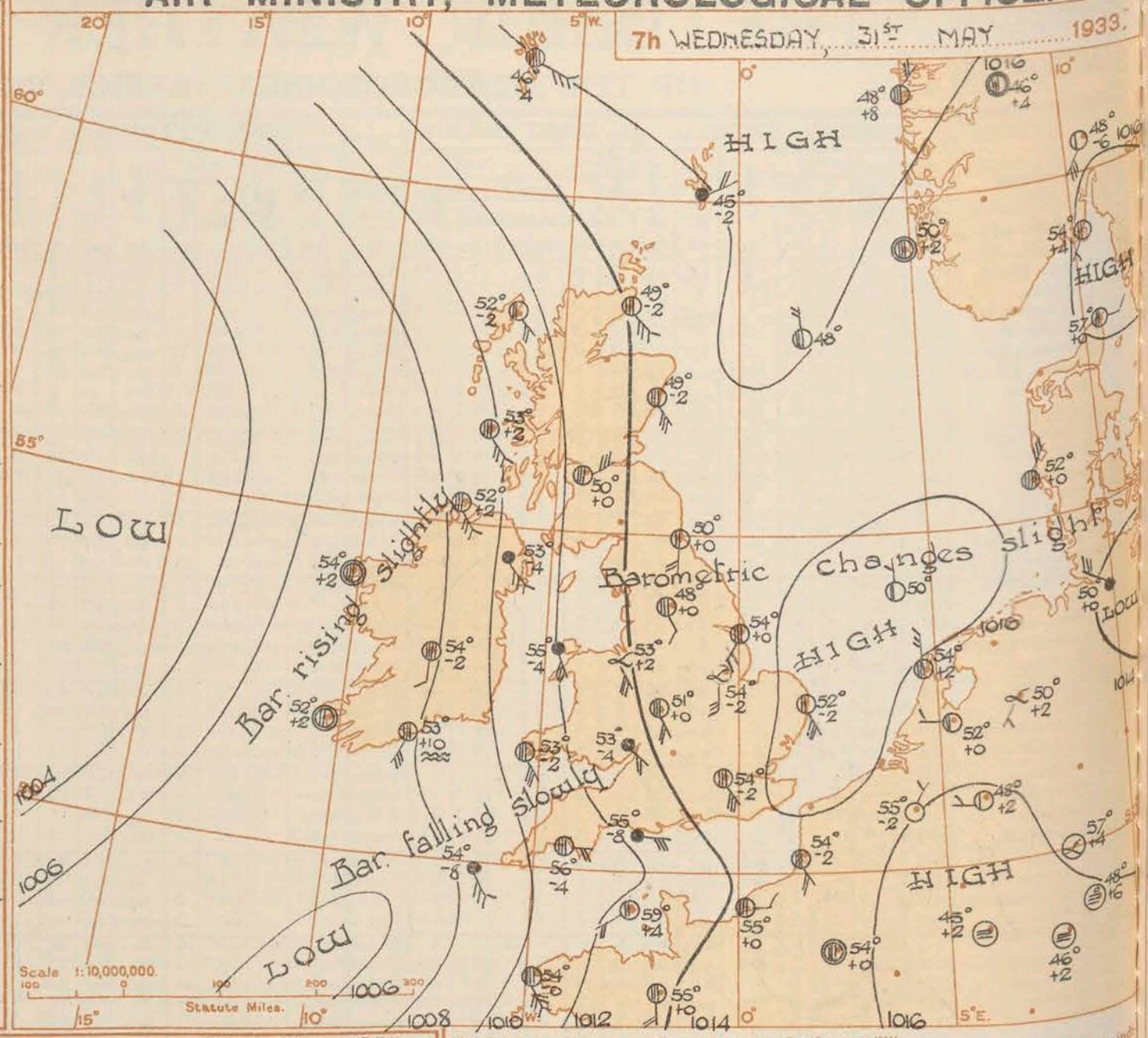
REPORTS from HEALTH RESORTS for 30th MAY 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 29th to 9h. 30th	Temperature. Max. 9h.—17h. 30th	Rainfall. Night. 17h. 29th to 9h. 30th	Rainfall. Day. 9h.—17h. 30th	Sunshine. Sunrise to 17h. 30th	Sunshine. Sunrise to Sunset. 29th
1	Tunbridge W.	bbc	coc	43	63	-	-	4·4	3·9
	Bournemouth	b	bco	45	61	*	-	7·5	7·6
	Ventnor ...	b	bc	52	65	0·3	-	10·1	10·0
	Southsea ...	b	b	49	59	0·4	-	11·2	6·6
	Bognor Regis	bcb	b	48	60	2	-	11·4	8·0
	Littlehampton	bc	bc	45	60	1	-	10·6	(5·3)
	Worthing ...	b	b	46	57	1	-	11·4	6·2
	Brighton ...	bcbc	bcb	47	58	-	-	11·3	6·3
	Eastbourne†	bbc	bcbc	45	58	-	-	8·5	(4·4)
	Hastings† ...	cbc	bcc	47	58	0·2	-	3·7	4·7
	Folkestone ...	bcbc	b	45	58	-	-	9·0	2·8
	Dover... ...	bc	bcb	46	60	-	-	9·6	4·0
	Deal	b	b	45	61	-	-	10·2	3·2
	Ramsgate ...	bc	bbc	49	58	-	-	10·0	6·2
	Margate ...	bcv	bcv	50	58	-	-	12·2	5·9
2	Southend ...	bbcv	bccb	47	61	-	-	9·5	4·7
	Maldon ...	bbc	bcbv	47	64	-	-	8·6	6·2
	Clacton-on-Sea	bc	bc	44	59	-	-	10·0	3·4
	Dovercourt ...	vbc	bc	45	60	-	-	12·1	5·1
	Lowestoft ...	bcbc	cbcb	45	56	-	-	8·1	7·9
	Skegness ...	b	b	41	55	Trace	-	11·5	6·2
	Mablethorpe	bbc	bcv	38	55	-	-	9·2	7·9
	Cleethorpes...	bcc	cbc	41	61	-	-	7·6	8·4
3	Leamington S.	bc	cbc	45	64	-	-	7·3	4·8
4	Cheltenham†	bcbbc	bccbc	46	64	-	-	8·7	6·9
5	Bath	bbcc	bcc	44	66	Trace	-	6·2	8·9
	Weymouth ...	b	mc	47	61	-	-	6·1	12·0
	Jersey ...	b	bc	47	67	-	-	10·3	13·7
	Torquay ...	b	bbcc	46	60	-	-	6·3	12·0
	Penzance ...	cb-o	cbc-o	44	60	-	Trace	1·8	13·4
	St. Ives ...	c	c	48	60	-	-	2·2	13·8
	Bude	bcc	co	41	63	-	-	2·0	13·0
	Ilfracombe ...	bbcc	c	49	59	-	-	5·7	12·8
6	Aberystwyth	bbc	c	45	60	-	-	5·9	12·8
7	Llandudno ...	bc	bcc	46	65	-	-	8·5	14·0
	Colwyn Bay...	bcb	bco	45	62	-	-	7·5	14·3
	Rhyl								
8	Wallasey ...	bbc	bcc	48	66	-	-	8·2	6·9
	Southport‖ ...	bbcc	cbcc	45	66	-	-	9·7	9·9
	Blackpool ...	bcc	bcc	46	64	-	-	9·2	7·4
	Morecambe ...	bcbbc	bcbbc	49	65	-	-	10·7	2·6
9	Ilkley... ...	o	cbc	46	62	Trace	-	2·7	1·5
10	Berwick-on-T.	ocbc	bc	46	52	-	-	7·0	5·8
11	Dunbar ...	bc	bc	46	53	-	-	7·4	4·5
12	Troon... ...	wbc	bcc	42	62	-	-	9·0	10·2
	Douglas ...	bc	bccb	42	59	-	-	10·6	9·6

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 31ST MAY 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol :— ◯ TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 1/10 clouded. ◑ Sky 4/10 to 5/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⊼ Thunderstorm.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st May, 1933.
1. S.E. England	Light or moderate southeast or south wind; mainly cloudy,
2. E. England ..	occasional slight rain; moderate temperature.
3. E. Midlands	Light or moderate southeast wind; fair at first, perhaps
4. W. Midlands	slight rain locally later; moderate temperature.
5. S.W. England	Moderate southeast or south wind, fresh locally; dull
6. South Wales	some rain or drizzle; local mist or fog; moderate temperature.
7. North Wales	As 1.
8. N.W. England	
9. N. Midlands	
10. N.E. England	As 2.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 1.
13. A. W Scotld. B. N W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	As 2.
16. Orkneys and Shetlands.	Light or moderate east or southeast wind; cloudy, local drizzle; moderate temperature.
17. N.W. Ireland	Light variable or southerly wind; variable cloud,
18. N.E. Ireland	occasional local rain and possibly thunder; rather warm.
19. S.E. Ireland	
20. S.W. Ireland	

GENERAL INFERENCE.

A depression on the Atlantic is stationary but small secondaries are approaching from southwest. Weather will be fair at first in the extreme east of Great Britain but there will be occasional rain in most other districts, mainly slight.

FURTHER OUTLOOK.

Rather unsettled and somewhat warmer; a thundery tendency probably developing.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.

H.M. Stationery Office Press, Kingsway W.C.2. Pa. 765/2573. Wt. 47,0 6001. Gp. 908. 23560. 5/33.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

WEDNESDAY,

31ST MAY,

1933.

All times are G.M.T. Add one hour to get summer time.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

⊙ = Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 31st May 1933.

No. 26,123

OBSERVATIONS at 1 hr. G.M.T. 31st May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden	217	1016·2	0	SSE	2	c	50	85	7	-	2	-	0	10	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1016·9	-6	E'S	3	b	46	95	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	14	1016·7	0	S	1	bc	50	85	7	4	-	-	2-3	2-3	1500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1013·6	-12	ESE	3	c	54	85	7	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	222	1012·2	-10	S	3	c	53	95	8	8	-	-	10	10	2500
	Scilly (St. Mary's)	163	1010·1	-12	S'E	S	o/d	52	95	6	5	-	-	10	10	1500
	Guernsey	175	1013·7	-16	-	0	c	54	95	6	8	-	-	10	10	2500
6	Pembroke	142	1011·2	-4	SE	3	ir	53	95	7	3	-	-	10	10	450
7	Holyhead	26	1012·7	-2	SE'S	2	c	53	95	6	5	-	8	7-8	7-8	7200
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1014·6	+4	SSE	5	bc	53	85	8	-	2	-	0	2-3	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	67	1015·2	0	SE	2	o	49	85	6	5	-	-	10	10	800
11	Inchkeith	190	1014·0	0	E	1	bc	49	85	87	5	-	-	4·6	4·6	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1009·6	-8	SE	3	bc	50	85	8	8	6	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014·2	-4	SE	3	bc	47	95	8	5	4	-	2-3	4-6	2500
16	Lerwick	54	1016·7	0	NE	3	c	45	85	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	1006·0	+4	-	0	r.r.	53	95	7	6	-	-	10	10	<150
18	Malin Head	52	1008·4	-2	S'E	2	r	54	85	7	6	2	-	7-8	10	2500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006·5	0	S	2	bc	52	95	8	5	-	-	4·6	4·6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st May

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low. 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1015.1	0	ESE	2	c	54	65	7	5	3	-	7-8	9	4000	0	*
	Croyden	1015.2	-2	SE	3	c	54	65	7	-	7	-	0	9+	-	1	*
	S. Farnborough	1014.7	0	ESE	3	c	52	75	7	-	7	-	0	9+	-	0	*
	Winchester	1013.9	-4	SE	3	c	52	75	8	5	7	-	1	10	5700	0	*
	Boscombe Down	1013.6	-4	E'S	3	c	52	85	7	5	3	-	2·3	9+	4000	0	*
	Calshot, (S'thmtn)	1013.5	-4	E'S	5	c	56	85	7	-	7	-	0	9+	-	0	3
	Dungeness	*	*	E	2	bc	*	*	7	4	7	*	2·3	4·6	2500	*	0
	Lympne	1016.0	-4	SE'E	3	c	52	85	8	-	3	9	0	7-8	-	0	*
2	Shoeburyness	1016·0	-6	SE	3	c	54	75	8	-	7	-	0	7-8	-	0	*
	Felixstowe	1016·0	-2	SSE	2	bc	54	85	8	5	-	-	4·6	4·6	450	0	1
	Gorleston	1015.0	-2	SSE	3	bc	52	85	7	1	-	-	4·6	4·6	4000	0	2
	Cranwell	1014.6	-2	S	3	3o	54	75	6	-	3	-	0	1	-	0	*
3	Birmingham	1014.4	0	SSE	2	c	51	75	7	6	7	-	2·3	9+	2500	1	*
	Upper Heyford	1014.7	-2	ESE	2	c	51	75	7	5	7	-	2·3	9+	7200	0	*
4	Ross-on-Wye	1013.4	-4	ESE	2	ir.	53	75	7	6	2	-	2·3	10	4000	1	*
5	Portland Bill	1012·5	-8	E	3	dd	55	95	7	5	-	-	10	10	2500	0	3
	Plymouth	1011·5	-4	E	2	c	56	85	8	5	7	-	2·3	9	1500	0	1
	The Lizard	1009.9	-6	E'S	4	o	53	95	7	5	-	-	10	10	1500	0	3
	Scilly (St. Mary's)	1008·2	-8	SE'S	4	id.	54	95	4	5	-	-	10	10	1500	1	3
	Guernsey	1012.4	+4	WSW	2	bc	59	75	7	5	-	-	4·6	4·6	5700	0	1
6	Pembroke	1010·9	-2	SE	3	c/d	53	95	7	5	2	-	4·6	9+	800	1	2
7	Holyhead	1011·9	-4	S'E	3	ir.	55	85	8	6	2	-	2·3	9+	2500	0	1
	Chester (Sealand)	1013.5	+2	SE'S	3	3o	53	85	6	-	7	-	0	9	-	0	*
8	L'pool (Bidston)	1013.1	+4	S'E	2	c	53	85	7	5	-	-	9+	9+	4000	1	*
9	Harrogate	1014·5	0	SSE	1	c	48	95	4	5	2	-	9+	10	<150	1	*
10	Spurn Head	1014·5	0	SW	1	c	54	85	6	-	7	-	0	7-3	-	0	1
	Catterick	1014.1	-2	SSE	1	o	49	95	7	5	-	-	10	10	800	0	*
	Tynemouth	1014·3	0	S	2	bc	50	85	6	7	-	-	2·3	2·3	2500	0	1
11	Inchkeith	1013.8	0	NNE	3	bc	49	95	6	6	-	-	4·6	4·6	1500	0	3
	Leuchars	1014.4	-2	ENE	2	c	50	95	6	5	4	-	7-8	9	800	0	*
12	Renfrew (Abbotts L)	1012·9	0	ENE	3	c	50	85	6	5	-	-	9+	9+	2500	0	*
	Eskdalemuir	1012·8	-4	NNW	2	b	48	85	6	-	7	-	0	Tr.	-	1	*
13A	Tiree	1009.8	+2	SE	4	c	53	75	7	5	2	-	7-8	10	1500	0	3
13B	Stornoway	1009·3	-2	SE	2	bc	52	85	7	8	4	1	2·3	4·6	1500	1	1
15	Dalwhinnie	1014.1	0	S	1	bc	42	85	7	4	-	-	4·6	4·6	800	0	*
	Aberdeen	1015.0	-2	SE'S	3	c	49	85	6	5	3	-	7-8	7-8	1500	0	1
	Wick	1013.8	-2	SE	4	c	49	85	8	5	1	-	4·6	7-8	2500	0	3
16	Lerwick	1015.8	-2	ENE	2	dd	45	95	6	5	2	-	4·6	10	800	1	*
17	Blacksod Point	1006·6	+2	-	0	c	54	75	9	6	-	-	9+	9+	220	1	1
18	Malin Head	1008.4	+2	SSE	4	c	52	95	7	8	2	-	9	10	450	1	1
	Aldergrove	1010.4	-4	SE	4	id.	53	85	7	6	2	-	9	10	800	1	*
	Donaghadee	1011·1	0	SSE	1	id.	52	95	7	5	-	-	9	9	1500	1	0
19	Birr Castle	1007·2	-2	S	1	o	54	95	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy.†	1007·2	+2	-	0	bc	52	95	8	1	5	4	Tr.	4·6	2500	1	3
	Roches Point	1007·5	+10	SW	3	c	53	95	7	3	-	-	7-8	7-8	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h °F. (31)	Temperature. Min. Night 18h-7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 30th Hrs. (36)
1	London (Kew)	62	49	41	Tr.	-	4·8
	Croyden	62	49	44	Tr.	-	7·1
	S. Farnborough	62	49	44	Tr.	-	7.4
	Winchester	64	48	44	-	-	8·0
	Boscombe Down	62	48	45	-	-	7·2
	Calshot, (S'thmtn)	62	47	45	-	-	9·9
	Dungeness	61	53	51	-	-	*
	Lympne	60	49	*	-	-	*
		56	41	37	-	-	12·3
2	Shoeburyness	61	43	32	-	-	12·7
	Felixstowe	58	48	42	-	-	12·0
	Gorleston	56	47	42	-	-	9·2
	Cranwell	63	42	36	-	-	6·7
3	Birmingham	63	49	47	Tr.	-	8·6
	Upper Heyford	63	47	43	-	-	*
4	Ross-on-Wye	66	51	48	-	-	9·1
5	Portland Bill	59	52	*	-	-	*
	Plymouth	60	52	49	-	0.1	6·1
	The Lizard	59	52	*	Tr.	0·5	*
	Scilly (St. Mary's)	59	51	*	1	2	0.4
	Guernsey	64	54	51	-	-	9.9
6	Pembroke	68	51	*	-	1	1·6
7	Holyhead	60	52	45	-	Tr.	6.4
	Chester (Sealand)	65	49	47	1	Tr.	5.8
8	L'pool (Bidston)	65	52	51	Tr.	-	9·3
9	Harrogate	60	46	45	-	6	5.8
10	Spurn Head	56	49	*	-	-	10.4
	Catterick	57	43	40	-	-	3·9
	Tynemouth	52	46	42	-	-	*
11	Inchkeith	58	46	38	Tr.	-	10.8
	Leuchars	56	40	32	-	-	13.0
12	Renfrew (Abbotts L)	66	44	40	-	-	7.4
	Eskdalemuir	64	41	36	-	8-	8·9
13A	Tiree	61	51	48	-	-	15.4
13B	Stornoway	59	49	*	-	-	14·3
15	Dalwhinnie	61	42	36	-	-	10.7
	Aberdeen	52	40	38	-	-	10.0
	Wick	51	46		-	-	*
16	Lerwick	47	44	*	0·3	Tr.	0·2
17	Blacksod Point	58	51	*	0·2	3	*
18	Malin Head	66	51	*	-	5	3·9
	Aldergrove	61	51	47	-	0·2	5·8
	Donaghadee	58	51	*	-	0·3	*
19	Birr Castle	61	52	51	Tr.	0.4	0.0
20	Valentia Obsy.†	57	45	40	19	3	0.0
	Roches Point	57	52	*	6	6	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	c3o cy	cpo bc	bcmo c	62	49	41	Tr.	-	4·8	*	*	7
Croydon	217	bc3o c	cyprbcc	bccmc	62	49	44	Tr.	-	7·1	*	*	7
Greenwich (Royal Observatory)	149	cy	cby	bcw	64	46	39	-	Tr.	7·8	58	58	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	62	51	47	-		7·2	55	45	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	62	51	45	-		7·1	53	51	*
Camden Square	110	bbcc	cbc	*	65	51	47	-	-	*	*	52	*
Kensington	80	bcc	cbc	*	63	50	46	-	-	7.6	At 18h.	52	*
Hampstead Observatory	450	bc	bc	bc	61	48	36	-	-	8.6	63 *	53	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 31st

South Kensington. Max.	Time.	Min.	Time.
1·0	18h 30th	Nil	0-6h. 31st

Kew Observatory. Max.	Time.	Min.	Time.
Defective record.			

FOREIGN OBSERVATIONS.

18h. G.M.T. 30th May

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.8	-	0	b	64
Brussels	1015.8	NW	3	c	55
Berlin	1011.8	E	3	c	70
Zürich	1015.4	SSW	1	o	50
Rome					

7h. G.M.T. 31st May

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1015.5	-	0	c	54
1016·2	NE	1	b	55
1012.6	-	0	c	61
1016·3	WNW	1	m	50
1009.6	NE	1	b	59

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	48	-	Tr.
61	41	-	-
75	59	-	-
52	45	3	0·1
	48		-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort. No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 8, 22.—Code for surface visibility.
Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

†1 hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.