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.

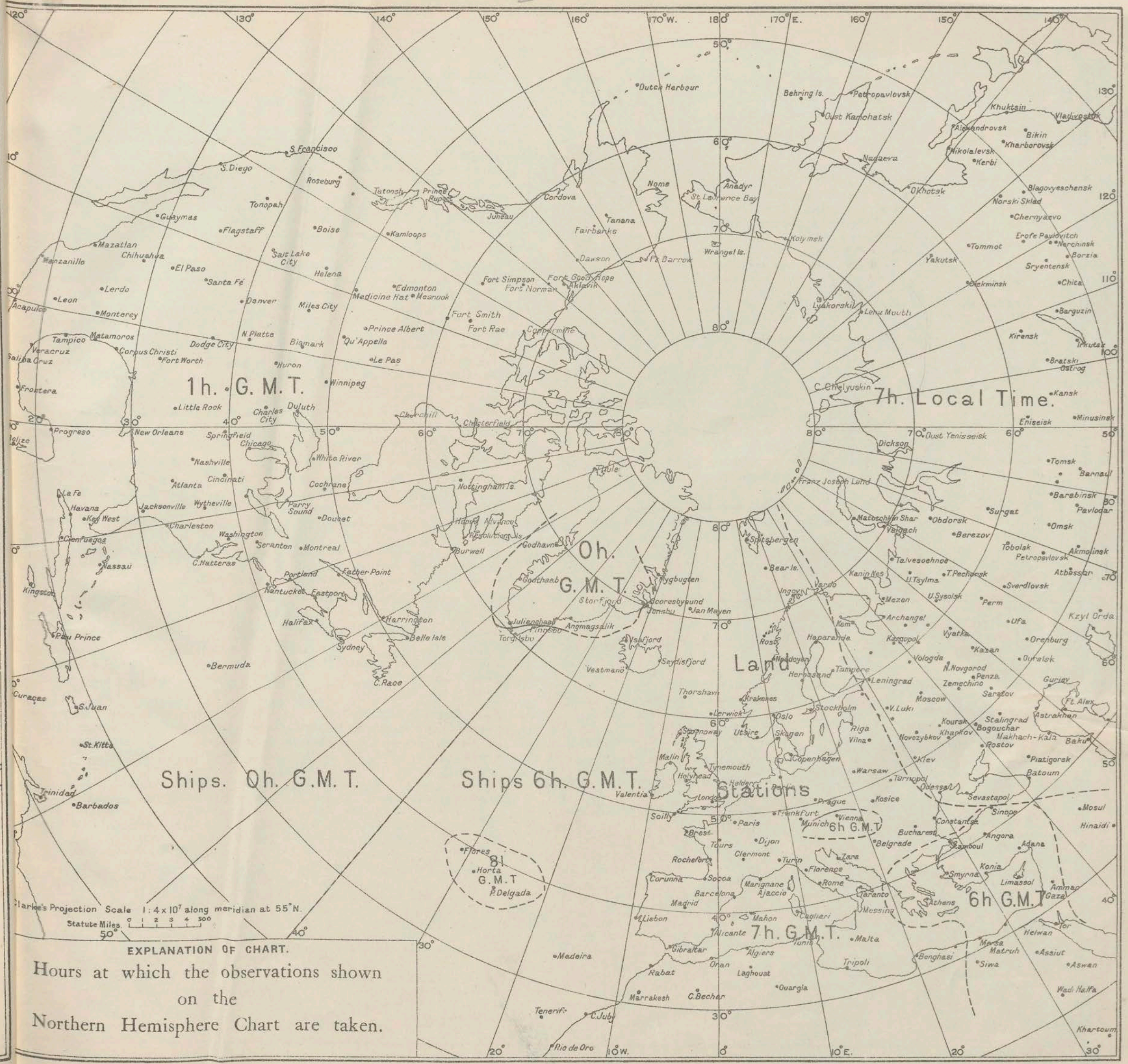
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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:—

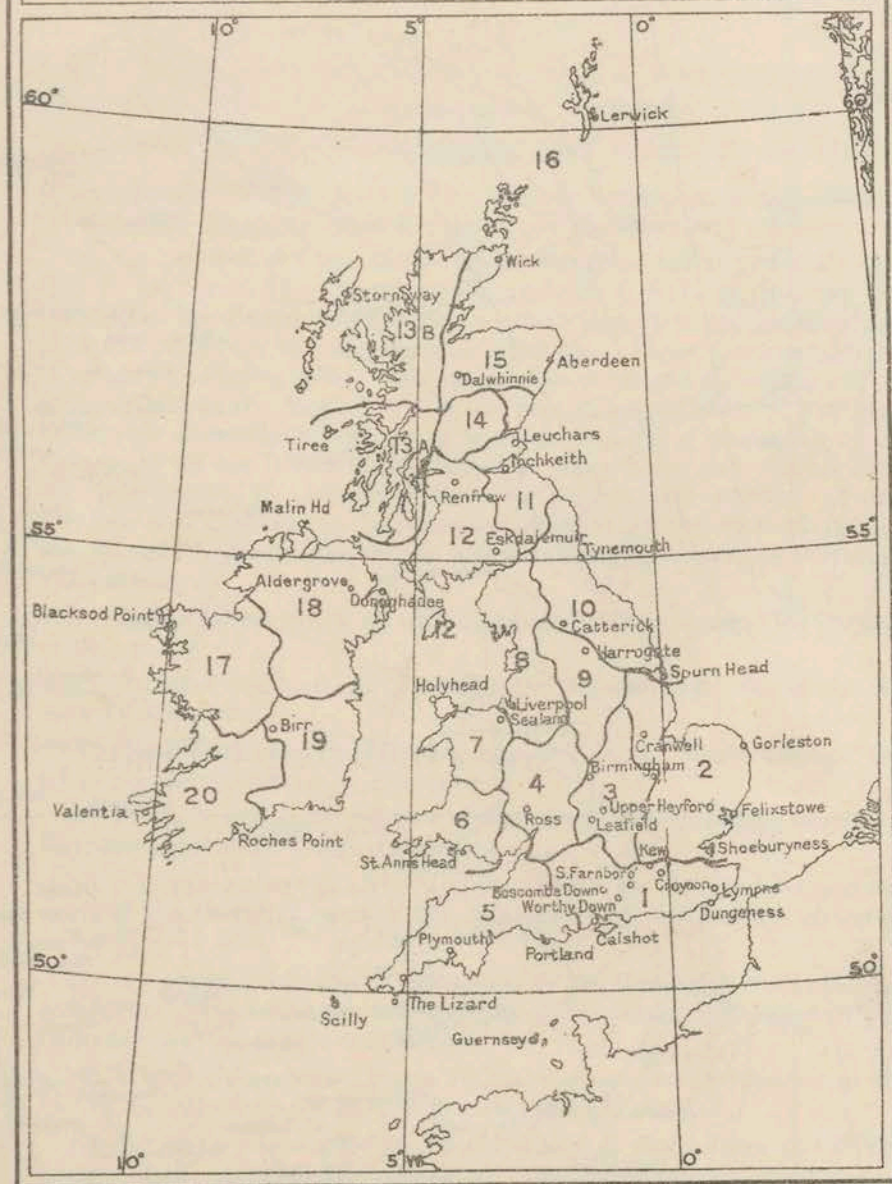
▲ North Cone hoisted: ▼ South Cone hoisted:

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.

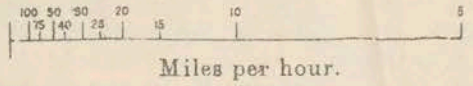
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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.

No. 782/2596. Wt. 5/A. 2504. Gp. 906 900 6/33

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, JUNE 1933. No 198

Warm, with frequent thunderstorms in England. Very sunny in Scotland, dull in Ireland.

Except on the east coast, rainfall during June was below normal with a marked deficiency in Scotland. In Ireland the month was dull, but elsewhere sunshine aggregates show an excess, amounting to 33% above the average in parts of Scotland.

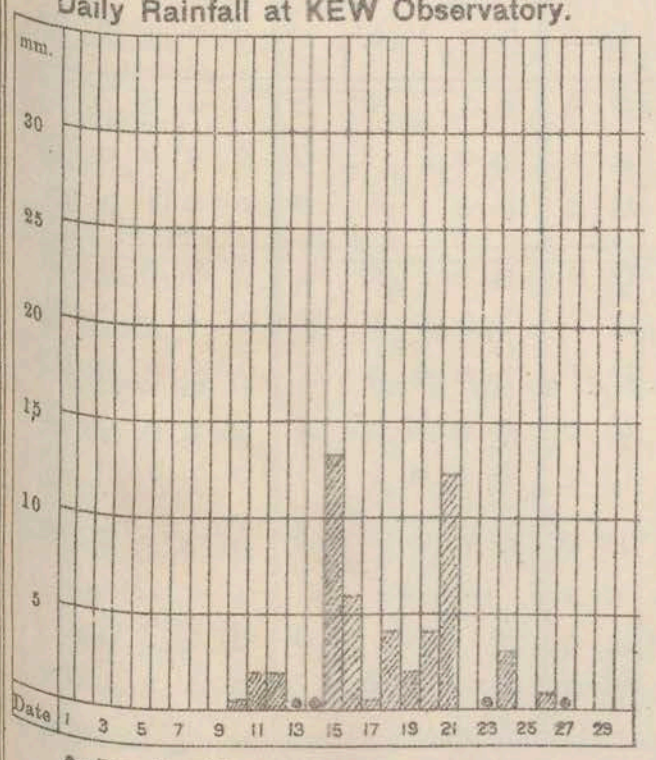
The opening days of the month were unsettled in the West, with local thunderstorms in southwest England on 3rd, but eastern England was influenced by an anticyclone situated on the Continent which gave fine sunny weather and high temperatures in that area. By 4th these conditions embraced the whole country and were maintained until 8th, some noteworthy maxima being 86°F at Kew and South Farnborough on Whit Monday, at Cranwell on 6th, and at Prestatyn, Rhyl, Malvern and Forres on 7th, while from 1st to 8th Croydon recorded 112.2 hours sunshine, an average of 14 hours per day.

On 9th conditions became cloudier and cooler, and a secondary which developed over Scotland caused rain to spread to most districts on 11th. Weather was fine in the West and in Scotland on 12th, but a depression drifted westwards from Germany on 12th and 13th causing a general deterioration, and appreciable rain in the East, thus ending an absolute drought which had persisted in parts of southeast England for 16 days.

After a brief fair period a depression moved southward from Iceland on 15th giving a gale in Scotland on 16th and strong squally winds and cool weather generally on 17th and 18th. It eventually filled up over the Wash but pressure remained low over the British Isles until 25th. During this unsettled spell thunderstorms occurred in England on 13 successive days from 14th to 26th accompanied by heavy rain and sometimes hail. 41 mm. fell at Buxton on 18th and 35 mm. at Gorleston and Upper Heyford on 20th.

On 27th an anticyclone on the Atlantic commenced to extend its influence over the British Isles and mainly fair or fine weather continued until the end of the month. On 30th the day was entirely rainless with a marked increase of temperature.

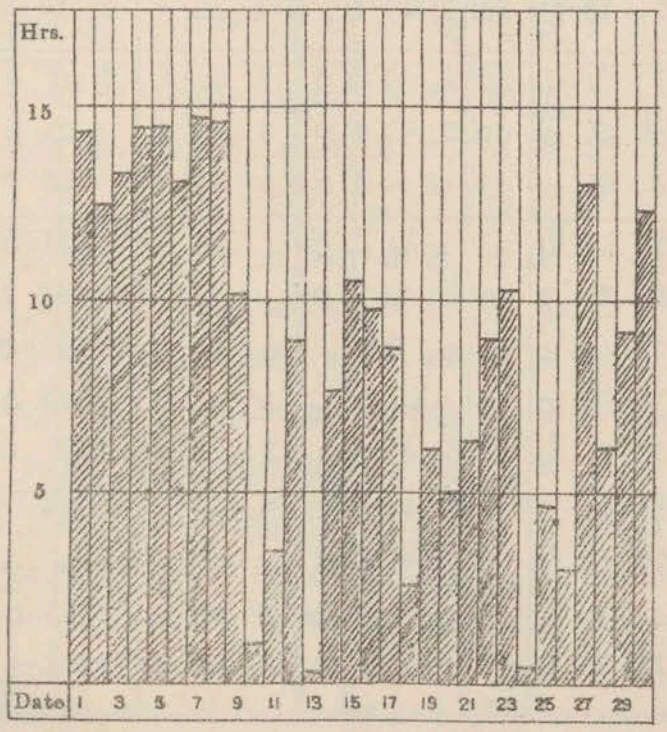
Daily Rainfall at KEW Observatory.



•=Less than 0·5 mm.

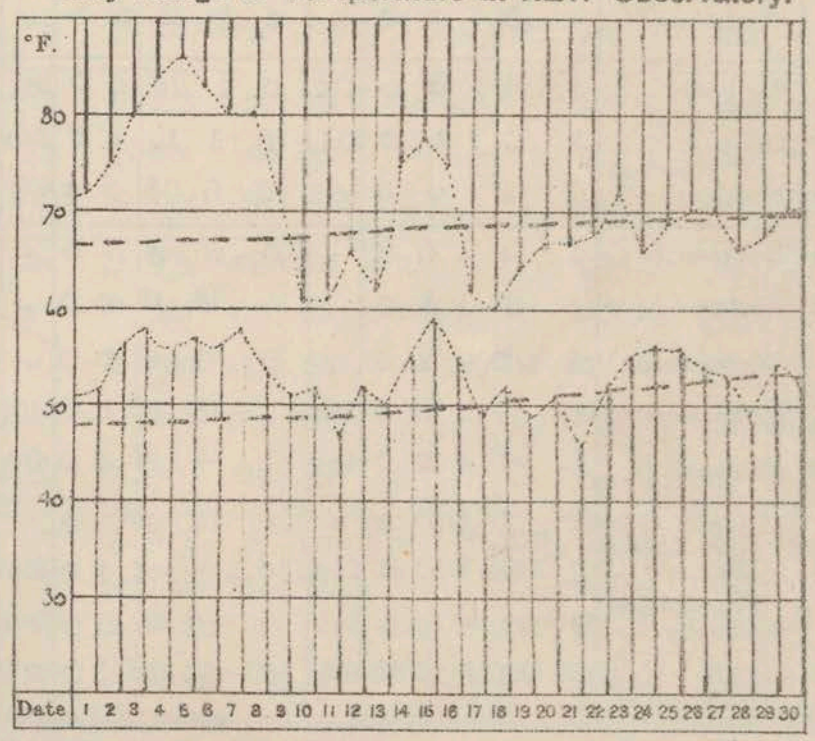
RAINFALL. Total for Month. 49 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 259 hrs.

Daily Range of Temperature at KEW Observatory.



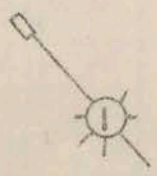
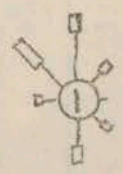
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1011·7	-5·0	62·1	+2·9
Aberdeen	1012·0	-3·7	55·9	+2·3
Valentia	1014·5	-2·2	56·5	-0·3

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

WIND FREQUENCIES AT 7 hr.

Kew	Aberdeen	Valentia
		
(2)	(1)	(1)

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 ...	5075
Aberdeen ...	6307
Lerwick ...	9932
Valentia ...	7834

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

†TEMPERATURE.

Number of daily readings within fixed limits.

	Stations.	Maximum. 51°-59°	60°-68°	69°-77°	78°-86°	87° or above	Normal Max.	Minimum. 33°-41°	42°-50°	51°-58°	60°-68°	69°-77	Normal Min.
							°F.						°F.
1	London ...	0	13	10	7	0	67.6	0	6	24	0	0	50.8
	(Kew Obsy).												
	Croydon ...	1	13	9	7	0	*	0	8	22	0	0	*
	Calshot** ...	1	15	13	1	0	*	0	6	24	0	0	*
	(Southampton)												
	Lympne ...	4	16	8	2	0	*	0	16	14	0	0	*
2	Shoeburyness...	2	15	13	0	0	66.9	0	15	15	0	0	51.3
	Gorleston ..	4	26	0	0	0	62.0	0	9	21	0	0	51.1
	Cranwell ...	4	11	9	6	0	65.9	0	20	10	0	0	48.3
3	Birmingham ...	6	11	8	5	0	*	0	14	16	0	0	*
	(Edgbaston)												
4	Ross-on-Wye ...	1	13	11	5	0	68.7	0	16	14	0	0	49.1
5	The Lizard ...	6	18	6	0	0	*	0	7	23	0	0	*
7	Holyhead ...	9	18	3	0	0	61.0	0	2	28	0	0	50.6
8	Liverpool ...	5	16	7	2	0	63.6	0	3	26	1	0	51.0
	(Bidston)												
10	Tynemouth ...	17	12	1	0	0	60.7	0	11	19	0	0	47.8
11	Inchkeith** ...	5	23	2	0	0	*	0	11	18	1	0	*
12	Renfrew ...	1	13	13	3	0	*	1	18	11	0	0	*
	Eskdalemuir ...	4	20	4	2	0	*	5	19	6	0	0	*
13B	††Stornoway C.G.	12	17	1	0	0	58.4	1	18	11	0	0	46.4
15	Aberdeen ...	9	17	4	0	0	60.2	2	14	14	0	0	47.0
18	Aldergrove ...	6	18	6	0	0	*	1	14	14	1	0	*
19	Dublin ...	2	21	7	0	0	63.8	0	14	16	0	0	46.9
	(Phœnix Park)												
	Birr Castle ...	3	19	8	0	0	64.5	0	15	15	0	0	48.4
20	Valentia ...	10	20	0	0	0	62.3	0	5	25	0	0	51.1
	(Cahirciveen)												

Extremes—Warmest and Coldest

	Stations.	Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.
1	London ...	86	5	60	18	59	16	46	22	0
	(Kew Obsy).									
	Croydon ...	84	5	58	18	59	16	44	12/22	0
	Calshot** ...	81	8	59	18	58	22/24/25	46	18	0
	(Southampton)									
	Lympne ...	78	4/5	56	11/13	59	4	44	22	0
2	Shoeburyness...	77	6	59	11/18	55	26	43	12	0
	Gorleston ..	67	2/6	57	12/18	58	5	45	30	0
	Cranwell ...	86	6	57	11/18	56	25	42	1	0
3	Birmingham ...	83	5/7	54	18	59	6	45	12/18	0
	(Edgbaston)									
4	Ross-on-Wye ...	83	7	57	18	57	2	44	20/22	0
5	The Lizard ...	76	6	58	27/11	59	7	47	12	*
7	Holyhead ...	74	7	56	17	58	5	47	20	0
8	Liverpool ...	83	4/7	56	17/18	60	5	47	18	0
	(Bidston)									
10	Tynemouth ...	73	4	52	11	57	25	46	12/27	0
11	Inchkeith** ...	75	5	57	10/11/13	60	5	44	24	0
12	Renfrew ...	80	7/25	57	17	58	2/3	40	13	0
	Eskdalemuir ...	80	7	56	11	56	2	33	12	1
13B	††Stornoway C.G.	70	7	54	10	55	15	41	12	*
15	Aberdeen ...	74	5	56	11/12	53	5/22	39	12	0
18	Aldergrove ...	75	4/7	56	17	61	5	41	12	0
19	Dublin ...	77	4/7	59	16/17	56	25	44	12	0
	(Phœnix Park)									
	Birr Castle ...	74	4	58	18	55	3/6/25	42	9	0
20	Valentia ...	67	25	55	22	57	7	49	3	0
	(Cahirciveen)									

LOW CLOUD.

Number of observations within fixed limits.

	Stations.	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.
1	London ...	1	16	0	0	26	1	0	19	1
	(Kew Obsy).									
	Croydon ...	2	14	0	1	24	0	0	22	0
	Calshot** ...	7	12	0	0	27	0	1	21	0
	(Southampton)									
	Lympne ...	4	11	1	2	17	3	0	17	0
2	Shoeburyness...	3	11	1	1	21	0	2	16	1
	Gorleston ..	4	14	0	0	19	0	1	16	0
	Cranwell ...	7	11	1	3	22	2	1	20	2
3	Birmingham ...	4	14	0	1	26	0	0	27	0
	(Edgbaston)									
4	Ross-on-Wye ...	2	19	0	0	27	1	1	25	1
5	The Lizard ...	2	26	1	1	24	5	2	24	3
7	Holyhead ...	7	15	3	5	19	3	4	19	4
8	Liverpool ...	3	20	0	2	23	2	1	21	1
	(Bidston)									
10	Tynemouth ...	3	21	0	1	28	0	2	28	0
11	Inchkeith** ...	1	28	1	1	28	0	1	27	0
12	Renfrew ...	1	22	3	0	25	3	1	22	2
	Eskdalemuir ...	4	17	0	2	25	0	1	23	1
13B	††Stornoway C.G.	2	28	0	3	27	0	1	29	0
15	Aberdeen ...	2	21	0	1	21	0	1	17	2
18	Aldergrove ...	12	13	2	4	24	1	2	25	0
19	Dublin ...	*	*	*	*	*	*	*	*	*
	(Phœnix Park)									
	Birr Castle ...	0	29	0	0	29	0	0	26	0
20	Valentia ...	12	18	0	11	18	1	11	19	0
	(Cahirciveen)									

FOG, MIST and GOOD VISIBILITY.

Number of observations within fixed limits.

	Stations.	7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility
1	London ...	0	0	1	1	17	0	0	0	0	25
	(Kew Obsy).										
	Croydon ...	0	0	0	1	13	0	0	0	0	27
	Calshot** ...	0	0	1	1	19	0	0	0	0	29
	(Southampton)										
	Lympne ...	0	0	2	0	16	0	0	1	0	27
2	Shoeburyness...	0	0	0	0	21	0	0	0	0	25
	Gorleston ..	0	0	2	0	10	0	0	0	0	9
	Cranwell ...	0	1	0	1	9	0	0	0	0	20
3	Birmingham ...	0	0	1	3	13	0	0	0	1	20
	(Edgbaston)										
4	Ross-on-Wye ...	0	0	1	2	15	0	0	0	0	27
5	The Lizard ...	0	0	1	0	27	0	0	1	0	28
7	Holyhead ...	0	0	1	0	18	0	0	0	0	23
8	Liverpool ...	0	0	2	1	17	0	0	0	0	25
	(Bidston)										
10	Tynemouth ...	0	0	1	1	15	0	0	1	0	21
11	Inchkeith** ...	0	0	1	0	21	0	0	0	0	24
12	Renfrew ...	0	0	2	3	11	0	0	0	0	21
	Eskdalemuir ...	0	0	0	0	27	0	0	0	0	29
13B	††Stornoway C.G.	0	0	0	0	28	0	0	0	0	24
15	Aberdeen ...	0	0	0	1	22	0	0	0	0	23
18	Aldergrove ...	0	0	0	1	26	0	0	0	0	30
19	Dublin ...	*	*	*	*	*	*	*	*	*	*
	(Phœnix Park)										
	Birr Castle ...	0	0	0	0	30	0	0	0	0	29
20	Valentia ...	0	0	0	0	27	0	0	0	0	24
	(Cahirciveen)										

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Duxford. Mean. °F.	Duxford. No. of Reports.	S. Farnborough. Mean. °F.	S. Farnborough. No. of Reports.	Mean. °F.	No. of Reports.
950	1850	52	53.9	39	58.5	4		
850	4860	43	42.7	39	45.6	4		
750	8170	33	33.2	39	36.0	4		
650	11890	22	22.2	39	26.0	4		
550	16,110	7	8.4	32	11.0	4		

UPPER WINDS.

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

Station.	Lympne. Height. Feet.	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75
		miles per hour.					
	2,000	84	14	57	13	0	0
	5,000	61	12	40	9	0	0
	10,000	27	7	16	4	0	0
	15,000	8	0	6	2	0	0

Station.	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75
	miles per hour.					
	68	22	40	6	0	0
	43	11	29	3	0	0
	19	4	13	2	0	0
	4	1	2	1	0	0

Station.	Holyhead. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75
	miles per hour.					
	60	14	37	8	1	0
	46	14	27	5	0	0
	17	3	8	6	0	0
	3	0	1	2	0	0

Station.	Renfrew. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Station. Height Feet.
	miles per hour.						
	60	24	28	7	1	0	2,000
	28	10	14	4	0	0	5,000
	3	0	1	2	0	0	10,000
	1	0	1	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 June 1933

SUNSHINE.

District.	Stations.	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.
1	London ... (Kew Obsy).	0	4	6	6	14	14·7	7	1512	+37	259	+62	1880	271	1925	105	1908
	Croydon ...	0	5	4	6	15	15·0	4	1528	*	257	*	1922	278	1925	112	1923
	Calshot** ... (Southampton)	0	2	8	6	14	14·8	7	1630	*	245	*	1881	327	1925	112	1909
	Lympne ...	1	4	5	2	18	15·3	4	1790	*	270	*	1921	293	1925	141	1923
2	Shoeburyness ...	0	7	2	4	17	14·8	15	1740	*	269	*	1919	273	1925	154	1923
	Gorleston ...	0	8	5	4	13	15·4	6	1514	-291	239	+29	1908	297	1918	148	1916
	Cranwell ...	0	7	6	6	11	14·8	5	1428	-120	227	+32	1921	239	1925	148	1923
3	Birmingham ... (Edgbaston)	1	6	10	2	11	14·8	5	1437	+160	191	+26	1897	289	1925 1932	83	1923
4	Ross-on-Wye ...	1	6	5	10	8	15·3	5	1535	+49	197	0	1915	318	1925	135	1916
5	Falmouth ... (Observatory)	1	4	5	5	15	14·6	26	1597	-162	238	+17	1881	375	1925	121	1907
7	Holyhead ...	1	5	10	5	9	13·5	7	1493	-113	201	-14	1914	301	1925	150	1931
8	Liverpool ... (Bidston)	0	7	4	10	9	13·6	7	1372	-84	206	+6	1908	255	1925	138	1923
10	Tynemouth ...	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	Inchkeith** ...	0	6	2	11	11	15·1	23	1393	*	235	*	1923	247	1925	149	1931
12	Renfrew ...	0	9	7	4	10	14·1	4	1122	*	197	*	1921	258	1925	105	1931
	Eskdalemuir ...	0	6	6	8	10	14·8	7	1139	-76	219	+54	1910	261	1925	83	1912
13a	††Stornoway C.G.	2	8	6	2	12	16·5	12	1190	-69	202	+24	1881	260	1905	94	1923
15	Aberdeen ...	1	3	8	7	11	15·7	6	1333	-54	236	+52	1881	245	1889	82	1912
18	Aldergrove ...	1	9	9	5	6	13·8	25	1014	*	159	*	1926	246	1930	146	1927
19	Dublin ... (Phœnix Park)	1	14	5	5	5	15·3	6	1305	-202	137	-52	1881	288	1887	110	1924
	Birr Castle ...	3	11	4	6	6	10·9	5	1200	-143	139	-25	1881	263	1887	105	1924
20	Valentia ... (Cahirciveen)	3	14	2	6	5	15·2	23	1139	-306	139	-49	1880	295	1887	91	1924

RAINFALL.

District.	Stations.	‡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).	17	4	6	3	0	0	13	15	569	-37	49	-6	1871	183	1903	1	1925	7	0
	Croydon ...	17	3	6	4	0	0	11	24	619	-60	44	-10	1921	80	1926	4	1925	5	0
	Calshot** ... (Southampton)	21	1	6	2	0	0	7	26	759	+113	34	-8	1871	138	1909	0	1925	4	0
	Lympne ...	18	5	4	2	0	1	27	19	708	-16	49	0	1920	113	1927	1	1921	4	0
2	Shoeburyness ...	20	3	4	3	0	0	11	26	461	-19	38	-5	1920	59	1928	5	1921	5	0
	Gorleston ...	19	5	1	4	0	1	35	20	553	-69	70	+25	1871	116	1927	5	1932	2	0
	Cranwell ...	18	3	5	4	0	0	14	21	755	+115	52	+9	1917	74	1927	3	1925	6	0
3	Birmingham ... (Edgbaston)	14	6	4	6	0	0	11	24	728	+54	57	-2	1893	125	1912	3	1925	8	0
4	Ross-on-Wye ...	18	3	6	2	1	0	19	24	735	+17	50	-5	1859	143	1860	0	1925	6	0
5	Falmouth ... (Observatory)	17	5	4	4	0	0	8	2	1087	-29	38	-21	1871	190	1879	0	1925	2	0
7	Holyhead ...	20	2	7	1	0	0	14	2	833	-55	35	-20	1871	121	1872	1	1925	4	0
8	Liverpool ... (Bidston)	18	4	5	2	1	0	23	20	669	-40	53	-3	1867	120	1907	2	1925	1	0
10	Tynemouth ...	17	5	5	3	0	0	15	18	535	-86	53	+3	1915	100	1927	3	1925	1	0
11	Inchkeith** ...	19	4	2	4	1	0	16	21	575	+21	59	+12	1870	120	1879	7	1887	2	0
12	Renfrew ...	21	2	2	3	2	0	19	7	1101	+176	59	-1	1921	129	1928	10	1925	1	0
	Eskdalemuir ...	19	4	4	2	1	0	17	2	1787	+358	56	-24	1910	260	1931	23	1921	5	0
13a	††Stornoway C.G.	19	3	3	5	0	0	10	1	1092	-174	52	-7	1870	140	1872	11	1897	0	0
15	Aberdeen ...	19	5	5	1	0	0	5	10	767	+19	22	-21	1871	118	1916	12	1891	1	0
18	Aldergrove ...	20	1	4	4	1	0	17	23	847	*	68	*	1926	100	1927	51	1932	3	0
19	Dublin ... (Phœnix Park)	15	6	5	4	0	0	9	23	758	+53	45	-5	1877	137	1878	3	1889	0	0
	Birr Castle ...	13	4	10	2	1	0	17	23	809	-20	64	+5	1872	131	1878	9	1887	0	0
20	Valentia ... (Cahirciveen)	14	7	3	6	0	0	14	7	1284	-130	73	-8	1870	197	1912	3	1921	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	2	7	11	7	2	0
Ross-on-Wye	0	1	1	6	13	4	5	0	0
Falmouth (Obsy.)	2	0	2	9	14	3	0	0	0
Renfrew ...	0	0	2	9	10	8	1	0	0
Eskdalemuir	0	0	3	5	11	6	5	0	0
Aberdeen ...	0	1	7	6	10	5	1	0	0
Valentia ...	0	9	9	10	2	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)	20	10	0	0	0	0	0	0	0	0
Ross-on-Wye	22	8	0	0	0	0	0	0	0	0
Renfrew ...	23	7	0	0	0	0	0	0	0	0
Eskdalemuir	11	19	0	0	0	0	0	0	0	0
Aberdeen ...	22	8	0	0	0	0	0	0	0	0
Valentia ...	10	20	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 JUNE 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.

Px. 639/2600. Wt. 56. 0. 6003. Gp 908. 970. 7/33.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 1st June 1933.

No. 26.124.

Diagram.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 31st May														OBSERVATIONS at 18h. G.M.T. 31st May														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low 0-10	Amount. Total 0-10	Height of Base. (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low. 0-10	Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	Weather. Th.—13h. 31st	13h.—18h. 31st	18h. 31st to 1h. 1st	1h.—Th. 1st
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1014.3	-2	SSE	3	c	65	45	8	1	7	-	Tr	9	4000	1013.5	-6	ESE	3	bc	63	55	7	-	3	9	0	4.6	-	0	*	cy	cybcy	bc	bm$_o$
	Croydon	1014.6	0	SSE	3	c	62	45	8	-	7	-	0	9	-	1013.9	0	SE'E	3	c	62	65	7	-	3	-	0	7.8	-	0	*	c	cybc	bcc3$_o$	bcbw
	S. Farnborough	1013.6	-6	SE	4	c	64	55	7	1	3	-	2.3	7.8	4000	1012.9	-2	SE'S	2	bc	64	45	7	1	4	-	2.3	4.6	4000	0	*	cycbcy	bcy	bcybc	bcbwm$_o$
	Winchester	1013.2	-4	SE'E	3	c	63	65	7	7	7	-	7.8	9+	4000	1012.7	-2	SE	3	bc	61	75	7	-	3	-	0	4.6	-	0	*	c	cbc	bcc	bbcc
	Boscombe Down	1012.6	-2	SSE	4	c	64	65	7	7	3	1	4.6	7.8	2500	1012.5	+2	SE'S	3	c	58	75	7	5	6	9	4.6	7.8	4000	0	*	c3$_o$c	cbc	bc	cm$_o$
	Calshot, S'thmtn	1013.3	-14	E'S	4	c	61	75	6	5	7	-	1	7.8	4000	1012.9	-2	E	3	c	58	85	6	-	5	-	0	7.8	-	0	2	c	cm$_o$		bcc
	Dungeness	*	*	NE	2	c	*	*	7	4	-	*	9+	9+	2500	*	*	NE'E	3	c	*	*	7	5	-	*	9	9	1500	*	2	c	c		b
	Lympne	1015.4	0	ESE	3	c	60	65	8	5	3	-	7.8	7.8	7200	1014.7	-2	E'N	2	c	57	65	8	5	5	*	1	9	5700	*	*	cbc	c	cbw	bw
2	Shoeburyness	1015.1	-2	E'S	5	bc	64	55	8	1	3	9	Tr	4.6	4000	1014.7	-2	E	4	b	57	75	8	-	3	-	0	Tr	-	0	*	cbcy	bcyb	bbw	bwb
	Felixstowe	1016.0	0	ESE	3	b	59	85	8	-	3	-	0	1	-	1015.1	-2	E'N	2	b	57	85	8	-	-	-	0	0	-	0	1	bcb	b	b	b
	Gorleston	1015.8	-2	SE'S	4	b	57	75	7	1	-	-	1	1	2500	1015.5	+2	SE	3	bc	54	85	6	-	1	-	0	4.6	-	0	2	bcbq	bbc	bc	bc
	Cranwell	1013.9	-4	SSE	3	bc	68	45	7	1	-	-	4.6	4.6	4000	1012.9	-2	SE	3	bc	67	45	6	1	-	-	4.6	4.6	4000	0	*	b$_3$bcy	bcy	bcybw	bm$_o$w
3	Birmingham	1013.6	0	SE	3	c	62	55	8	-	7	9	0	7.8	-	1012.7	-2	SE	2	c	61	65	8	-	7	-	0	10	-	1	*	c	c	c	cb
	Upper Heyford	1013.6	-6	SSE	2	c	63	55	7	1	7	6	Tr	9	2500	1012.9	-4	SE'S	2	c	62	65	7	2	7	-	Tr	10	2500	0	*	cy	cy	cbcb	bm$_o$w
4	Ross-on-Wye	1012.1	-6	SE'E	3	c	63	75	7	9	7	-	7.8	10	4000	1011.6	-6	ESE	3	c	63	65	8	8	9	-	7.8	9	4000	0	*	r$_o$cc	cp$_o$cc	cbbc	c
5	Portland Bill	1012.6	+2	SE	3	c	59	85	7	5	4	-	4.6	7.8	2500	1011.8	-8	SE	3	ir$_o$	55	95	7	5	-	-	7.8	7.8	2500	1	2	c	c	c	cc3$_o$
	Plymouth	1011.3	+2	SE	4	dd	56	95	5	5	2	-	9	10	450	1011.1	-2	SE	3	c	57	95	7	5	7	-	9+	10	<150	1	2	cd$_o$ddm$_o$	cddr3$_o$	c	cordrdm$_o$
	The Lizard	1010.4	+4	SE	3	id$_o$	56	95	7	5	-	-	10	10	800	1010.5	+2	SE'S	3	c	58	95	8	4	7	1	4.6	7.8	2500	1	2	ompdo	od$_o$c	cfdc	offir
	Scilly (St. Mary's)	1009.1	+10	SSW	3	bc	60	85	7	2	7	-	2.3	4.6	4000	1009.5	0	SE'S	3	c	59	95	7	8	4	3	4.6	7.8	2500	0	2	id$_o$mc	bcc	d$_o$d$_o$ff	Fejc
	Guernsey	1012.3	-2	SE	3	o	62	75	8	5	-	-	10	10	4000	1012.0	-4	SE	1	bc	60	85	8	8	-	-	4.6	4.6	4000	0	2	bcc	od$_o$c	bcc	coffd
6	Pembroke	1009.6	-4	SE	2	c	60	75	6	5	6	-	4.6	7.8	2500	1009.4	-2	SE	2	id$_o$	55	95	6	5	-	-	9+	9+	1500	1	2	c3$_o$c	cm$_o$id$_o$	cm$_o$bc	cid$_o$fc
7	Holyhead	1011.6	-2	SSE	3	c	66	55	8	8	-	8	9+	10	5700	1011.1	-4	NW	1	3$_o$	60	75	7	5	3	-	2.3	9+	5700	0	0	r$_o$c	c	c3$_o$	bm$_o$c
	Chester (Sealand)	1012.5	-4	ESE	3	c	67	55	6	5	3	1	1	9	4000	1011.8	-2	SSE	4	bc	65	55	6	1	3	-	2.3	4.6	4000	0	*	cm$_o$c	cy	cbcm$_o$	bcbm$_o$
8	L'pool (Bidston)	1012.5	0	SE'S	3	bc	64	55	7	7	3	5	2.3	4.6	4000	1011.7	-4	SE'S	4	bc	66	55	8	2	-	-	2.3	2.3	4000	0	*	ccy	y$_o$cby	bccbc	bcb
9	Harrogate	1012.8	-6	S	1	c	63	55	6	5	8	-	7.8	7.8	2500	1012.3	-6	SSE	1	bc	63	55	6	5	3	9	2.3	4.6	2500	1	*	bbccg	cbc	b	bm
10	Spurn Head	1014.0	-2	SE	5	bc	58	85	7	-	1	-	0	2.3	-	1013.3	-2	SE	5	bc	56	85	7	-	1	-	0	2.3	-	0	3	cbc	bc	bcw	bc
	Catterick	1012.7	-10	SE	2	3$_o$	66	55	6	2	-	-	4.6	4.6	4000	1012.1	-2	S	0	3$_o$	62	75	6	7	3	-	7.8	7.8	4000	0	*	ocm$_o$bcy	bcyc3$_o$	c3$_o$bcbw	bwbm$_o$
	Tynemouth	1013.3	-8	SSE	3	bc	54	95	6	5	-	-	2.3	2.3	1500	1013.2	0	SE	2	o/c	53	85	6	6	-	-	10	10	1500	1	2	bc	bcoi$\frac{c}{t}$t	obc	bcm$_o$
11	Inchkeith	1012.5	-10	NNE	4	c	53	85	6	5	6	-	4.6	7.8	4000	1012.3	-7	NNE	4	c	50	95	6	8	-	-	7.8	7.8	1500	0	3	bcc	c	co	oif
12	Leuchars	1014.3	0	E	3	o	53	85	7	5	-	-	10	10	1500	1014.5	+2	ENE	3	o	51	95	6	5	-	-	10	10	450	0	*	cwbco	ocom$_o$	cm$_o$	om$_o$wom$_o$
	Renfrew (Abbotts'l)	1011.8	-4	E'N	2	3$_o$	62	65	6	7	-	-	7.8	7.8	4000	1011.3	-2	NE'N	3	3$_o$	62	75	6	2	3	-	4.6	4.6	4000	0	*	cm$_o$bc3$_o$	cbc3$_o$y	bccm$_o$	cm$_o$
	Eskdalemuir	1011.8	-2	S	2	bc	62	55	7	2	-	-	4.6	4.6	4000	1011.3	-4	SSW	2	b	64	55	8	2	-	.1	Tr	Tr	4000	1	*	bwbcy	by	cw3$_o$	cw
13a	Tiree	1010.0	+2	SE	5	c/r	58	75	6	5	7	-	4.6	10	1500	1009.7	-2	SSE	5	c	57	75	8	5	7	-	7.8	10	1500	0	3	c	c	c	c
13b	Stornoway	1009.3	0	SE	1	c	59	75	8	8	7	-	4.6	7.8	1500	1009.1	+2	-	0	c	59	75	7	5	7	-	7.8	10	1500	0	0	bcc	c	cpr$_o$	cpr$_o$
15	Dalwhinnie	1012.4	-2	ESE	6	3$_o$	58	65	6	4	-	-	2.3	2.3	800	1012.2	0	E	6	3$_o$	54	75	6	4	2	-	4.6	7.8	800	0	*	3	3		c
	Aberdeen	1015.1	0	SSE	4	c	52	75	7	8	-	-	7.8	7.8	2500	1015.1	0	SE'S	3	bc	51	85	8	2	-	-	2.3	2.3	1500	0	1	c3$_o$bc	bc	bcc	cc3$_o$
	Wick	1014.1	+2	SE	4	bc	51	95	8	5	1	-	2.3	4.6	2500	1013.4	-4	SE	4	bc	50	95	8	5	-	8	2.3	4.6	2500	0	3	cbc	bc	bc	bc
16	Lerwick	1016.4	0	S	1	c	48	85	8	8	2	-	7.8	9+	1500	1016.2	-6	S	1	c	47	95	9	8	7	-	7.8	9	1500	0	*	oddm$_o$c	c	c	cbc
17	Blacksod Point	1007.0	0	-	0	c	59	75	9	5	-	-	7.8	7.8	450	1006.1	-2	S	3	c	58	75	9	-	7	-	0	7.8	-	0	2	cbc	bc	pr$_o$c	pr$_o$c
18	Malin Head	1008.5	0	SSE	4	c	59	85	8	8	1	-	9	10	1500	1007.8	-8	SSE	4	c	59	85	7	4	7	-	4.6	9+	1500	0	1	cpr$_o$	c	c	cpr$_o$
	Aldergrove	1010.6	+4	SE	4	c	56	85	8	5	-	-	10	10	1500	1010.5	+4	SE	3	c/d$_o$	57	75	8	5	2	-	7.8	10	2500	1	*	cd$_o$r$_o$	cd$_o$	c	c
	Donaghadee	1011.8	+2	SE	2	c	55	85	7	5	-	-	7.8	7.8	1500	1010.5	-4	SSE	2	c	57	75	7	5	-	-	7.8	7.8	1500	0	1	cid$_o$c	c	cm$_o$c	c
19	Birr Castle	1007.4	+2	S	2	c	64	65	8	5	-	7	7.8	10	2500	1007.4	+2	S	2	bc	63	75	8	8	-	-	4.6	4.6	2500	1	*	irc	cbc	bcc	coir
20	Valentia Obsy.	1007.4	+2	S	4	bc	61	75	8	7	-	1	1	2.3	2500	1006.9	-2	SSE	3	c	60	75	9	5	-	-	9	9	4000	1	2	bcwbc	bcbbcc	c$\frac{id_o}{d_o}$	c$\frac{c}{id_o}$
	Roches Point	1008.6	+8	SW	3	bc	59	85	8	3	-	3	2.3	4.6	2500	1008.4	-6	SE	3	c	57	95	7	3	-	-	7.8	7.8	2500	0	3	cbc	bcc	cbcw	bccoir

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 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 $\frac{1}{10}$ 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 28.—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.

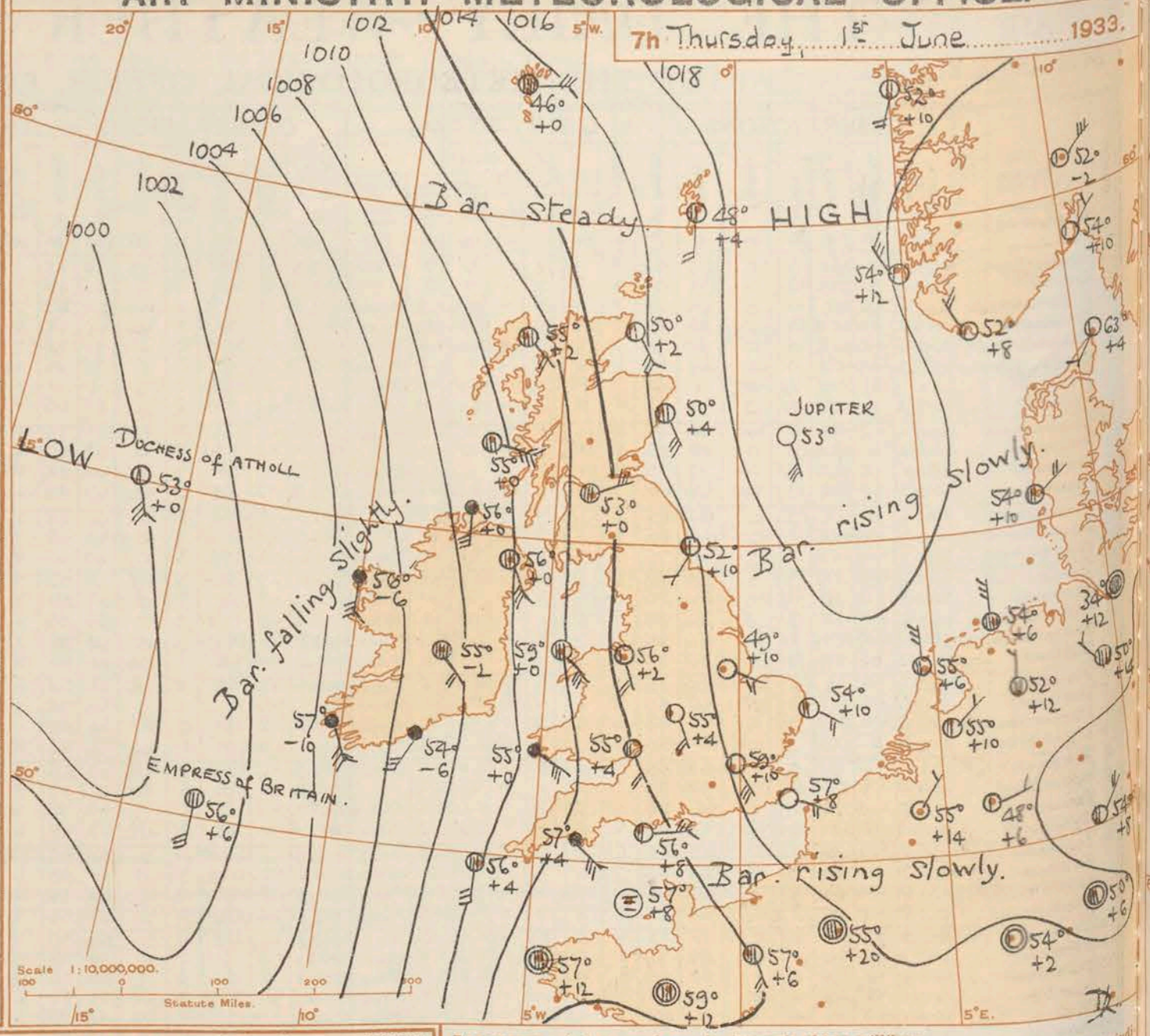
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 31st MAY 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 30th to 9h. 31st	Temperature. Max. 9h.—17h. 31st	Rainfall. Night. 17h. 30th to 9h. 31st	Rainfall. Day. 9h.—17h. 31st	Sunshine. Sunrise to 17h. 31st	Sunshine. Sunrise to Sunset. 30th
1	Tunbridge W.	o	oc	45	62	-	-	0·5	4·4
	Bournemouth	c	cbc	51	64	-	-	2·8	7·5
	Ventnor ...	c3	c3	53	63	-	-	1·3	10·1
	Southsea ...	c	c	52	62	-	-	0·5	11·2
	Bognor Regis	cbc	becbc	54	62	-	-	2·3	12·2
	Littlehampton	c	cbc	50	62	-	-	3·8	12·0
	Worthing ...	c	bcb	51	62	-	-	4·5	12·8
	Brighton ...	cbc	bcb	51	64	-	-	4·0	12·8
	Eastbourne†	o	ocbc	52	61	-	-	2·3	9·8
	Hastings† ...	cbc	bcc	49	62	-	-	0·6	3·8
	Folkestone ...	bc	bcc	46	60	-	-	6·9	10·7
	Dover... ...	bc	bcc	47	65	-	-	9·6	11·3
	Deal	b	b	47	64	-	-	10·5	12·1
	Ramsgate ...	bcb	b	50	62	-	-	12·2	11·7
	Margate ...	bc	bcb	48	61	-	-	12·1	14·3
2	Southend ...	bcb	b	48	65	-	-	12·2	11·3
	Maldon ...	b	b	(48)	65	-	-	11·7	10·4
	Clacton-on-Sea	bc	bcb	52 58	60	-	-	12·1	11·5
	Dovercourt ...	bv	b	49	62	-	-	12·1	12·7
	Lowestoft ...	b	b	44	58	-	-	12·1	9·7
	Skegness ...	b	b	50	60	-	-	9·4	12·9
	Mablethorpe	bc	bcb	45	61	-	-	9·0	10·8
	Cleethorpes...	cbc3	bc3	48	63	-	-	8·3	8·2
3	Leamington S.	oc	co	49	66	-	-	0·1	8·0
4	Cheltenham†	bcc	cpc	50	64	Trace	Trace	0·0	8·9
5	Bath	cbc	cbc	51	67	-	-	2·0	6·2
	Weymouth ...	mcb	bccb	53	63	-	-	3·8	6·1
	Jersey ...	pcbc	bcpc	55	63	Trace	Trace	2·3	10·3
	Torquay ...	bc	bcojp	54	61	-	-	3·0	6·3
	Penzance ...	or3o	ocbcb	57	60	1	Trace	4·8	1·8
	St. Ives ...	mcbc	b	52	62	2	-	4·1	2·2
	Bude	cbcc	c	53	64	Trace	-	2·3	2·0
	Ilfracombe ...	cbc	bcc	53	68	-	-	3·3	5·7
6	Aberystwyth	c	c	53	68	-	-	0·2	6·0
7	Llandudno ...	c	c	53	67	-	-	1·6	8·5
	Colwyn Bay...	bcc	co	52	67	-	-	1·0	7·5
	Rhyl								
8	Wallasey ...	cbc	bcb	53	69	-	-	4·3	8·2
	Southport‖ ...	c	cbcb	53	69	-	-	4·4	10·4
	Blackpool ...	c	c	52	68	-	-	5·4	9·4
	Morecambe ...	b	b	53	70	-	-	9·5	11·7
9	Ilkley... ...	cbcc	cbc	45	68	14	-	2·4	2·7
10	Berwick-on-T.	bc	cobc	45	53	-	-	6·5	8·4
11	Dunbar ...	bcm	bc	44	55	-	-	9·9	8·1
12	Troon... ...	wcbc	cbcc	47	62	-	-	3·9	11·9
	Douglas ...	cbc	cb	51	63	-	-	2·3	11·4

† 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. 1st June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate southeast wind; fine; rather warm, especially inland.
5. S.W. England 6. South Wales 7. North Wales	Moderate southerly wind; cloudy, local rain or drizzle, local coast fog, especially inland; moderate temperature.
8. N.W. England	Light or moderate southeast wind; mainly fair; rather warm.
9. N Midlands 10. N.E England 11. S.E. Scotland	As 1 - 4.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N W. Scotland.	Moderate or fresh southeast or south wind; cloudy, occasional local rain; rather warm.
14. Mid-Scotland	As 8.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate southeast wind; fair; 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; 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 1/5 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Overcast sky. ● Rain falling. ✳ Snow. ✱ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⱦ Thunderstorm. ∞ Haze.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge or high pressure over the North Sea will maintain fair weather over eastern and central districts, while a depression off west Ireland will cause intermittent rain in Ireland and the extreme west of Great Britain.

FURTHER OUTLOOK.

Unsettled in the West; fair and warmer in the East; perhaps a thundery tendency by Saturday.

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

Forecasts issued at 0910 G.M.T.

H.M. Stationery Office Press, Kingsway W.C.2.
Pa 766/2583 Wt.47 2460 11 Gp.903 27700 6/33

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

Morning of Thursday 1st June, 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, 1st June 1933.

No. 26,124

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

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	1014·7	+2	ESE.	2	c	54	78	7	-	3	-	0	9+	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·0	+4	E'N	3	b	51	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1016·6	+4	SE'S	3	bc	52	88	7	-	1	-	0	2-3	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1012·3	+2	E	4	c	54	95	7	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1010·7	0	E'S	2	o	56	95	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1010·1	+2	S'W	3	F	55	95	1	5	-	-	10	10	<150
	Guernsey ...	175	1012·4	0	-	0	c	57	95	8	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1011·6	+2	SSE	2	bc	53	95	7	5	-	-	4-6	4-6	2500
7	Holyhead ...	26	1011·9	+2	SSE	2	b	54	85	6	5	-	1	Tr.	1	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·9	+4	S	4	bc	52	85	7	-	2	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	67	1014·0	+4	SSE	3	bc	57	95	7	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1013·7	-2	NNE	3	o	50	95	6	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1009·4	+2	-	0	c	54	95	6	8	6	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013·4	+2	SSE	4	bc	48	95	8	5	8	8	4-6	4-6	2500
16	Lerwick ...	54	1017·1	+4	S	1	c	47	75	8	5	2	-	9	10	1500
17	Blacksod Point	18	1006·0	0	-	0	pr	56	85	7	3	-	-	9	9	450
18	Malin Head ...	52	1008·7	+4	S'E	3	c	56	85	7	8	1	-	9	9+	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006·2	0	S'E	3	bd	55	95	7	5	-	-	10	10	2500
	Roches Point...	25	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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. 0-3 (29)	Sea. 0-9 (30)
1016.5	+16	SE'E	2	b	58	75	5	-	-	1	0	Tr	-	0	*
1016.2	+10	SE	3	b	59	65	6	-	3	-	0	Tr	-	0	*
1015.6	+10	ESE	3	b	57	75	6	-	4	1	0	Tr	-	0	*
1014.9	+8	SE'E	3	c	57	85	7	-	3	-	0	9	-	0	*
1014.4	+8	ESE	3	c	55	85	6	5	-	-	9+	9+	2500	0	*
1014.6	+10	E	5	c	58	85	7	5	7	-	2-3	9	800	0	2
*	*	SE'E	1	b	*	*	7	-	-	*	0	0	-	*	1
1016.9	+8	ESE	2	b	57	55	7	-	-	-	0	0	-	0	*
1017.2	+16	ESE	3	b	59	65	7	-	-	-	0	0	-	0	*
1017.0	+10	E	2	b	56	85	8	-	-	-	0	0	-	0	1
1017.3	+10	ESE	2	bc	54	85	7	1	-	-	4-6	4-6	2500	0	2
1016.8	+10	E'S	2	b	49	95	5	-	-	1	0	Tr	-	0	*
1015.2	+4	SSE	2	b	55	75	8	-	-	1	0	1	-	1	*
1015.4	+10	ESE	2	b	55	85	6	-	-	2	0	1	-	0	*
1014.0	+4	SE'S	2	bc	55	85	6	5	-	-	4-6	4-6	4000	0	*
1013.3	+8	E	4	bc	56	95	6	5	-	-	4-6	4-6	2500	0	3
1012.5	+4	SE	4	dr	57	95	5	6	-	-	10	10	450	1	2
1012.6	+6	SSW	1	oF-	55	95	2	5	-	-	10	10	800	1	2
1010.8	+4	S'W	3	c	56	95	7	5	-	-	9+	9+	2500	1	1
1013.2	+8	-	0	F-	57	95	2	5	-	-	10	10	<150	1	1
1010.4	0	SE	3	df	58	95	3	5	-	-	10	10	<150	1	2
1012.3	0	SE'S	3	c	59	85	7	5	3	-	7-8	9+	2500	0	1
1014.2	+2	SSE	2	3o	56	75	5	-	5	1	0	1	-	0	*
1014.0	0	SE	4	b	56	75	6	-	4	-	0	1	-	0	*
1015.8	+6	SSE	1	b	52	85	4	5	-	4	Tr	Tr	1500	1	*
1016.9	+6	SE	4	b	54	85	7	-	1	-	0	1	-	0	2
1015.9	+6	SE'S	2	b	49	85	6	-	3	1	0	Tr	-	0	*
1015.6	+10	SSW	1	bc	52	85	5	5	-	-	4-6	4-6	1500	0	1
1014.4	+4	NE	3	f	49	95	2	5	-	-	10	10	220	0	3
1015.1	+2	ENE	2	o	51	95	5	5	-	-	10	10	220	0	*
1013.5	0	E'N	3	c	53	85	6	5	-	-	7-8	7-8	4000	0	*
1014.2	+4	-	0	c	52	85	7	-	-	2	0	9+	-	1	1
1009.9	0	ESE	5	c	55	85	6	5	7	-	7-8	10	2500	0	3
1009.6	+2	SE	2	c	55	85	7	5	6	-	4-6	10	1500	1	1
1015.4	+2	NW	2	3o	50	85	6	3	2	-	4-6	10	450	0	*
1016.6	+4	SE'S	3	c	50	85	6	5	-	-	9	9	1500	0	1
1014.2	+2	SE	4	bc	50	95	8	7	1	8	4-6	4-6	2500	0	3
1017.3	+4	S	2	bc	48	75	8	5	4	1	2-3	4-6	1500	0	*
1004.8	-6	S	4	DD	56	95	7	6	-	-	10	10	<150	1	3
1008.9	0	S'E	3	pr	56	95	7	8	1	-	9	9+	1500	1	1
1010.9	0	SE'S	4	c	56	55	7	5	2	7	4-6	10	800	1	*
1011.3	-2	SSE	1	c	53	85	7	5	-	-	7-8	7-8	1500	0	0
1007.6	-2	SE	2	o/r	55	95	7	6	-	-	10	10	2500	1	*
1004.5	-10	SE'S	5	cd	57	95	6	5	-	-	10	10	800	1	3
1007.7	-6	SW	3	cr	54	95	6	6	-	-	10	10	1500	1	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 31st Hrs. (36)
66	51	43	-	-	1.1
64	48	43	-	-	0.7
67	47	36	-	Tr	4.7
65	47	40	-	-	2.7
66	50	47	-	-	3.8
62	55	52	-	-	1.4
61	51	*	-	-	*
60	46	43	-	-	6.2
65	51	46	-	-	13.8
60	51	45	-	-	14.4
57	51	47	-	-	13.4
63	42	36	-	-	13.0
65	49	40	-	-	9.7
65	46	41	-	-	*
66	50	44	Tr	-	0.8
60	52	*	Tr	-	*
60	54	51	1	4	0.3
60	55	*	Tr	2	*
62	54	*	0.1	0.5	6.2
63	56	56	Tr	0.2	5.6
62	51	*	Tr	0.2	2.2
68	53	46	Tr	-	1.0
68	45	39	-	-	1.9
67	53	50	-	-	4.1
65	45	40	-	-	4.4
60	50	*	-	-	11.0
66	40	36	-	-	3.9
56	49	48	0.5	-	*
54	48	45	-	-	6.8
55	50	50	-	-	4.1
68	52	51	-	-	6.7
66	43	38	-	-	12.5
58	53	50	Tr	-	0.4
61	53	*	-	Tr	8.5
60	46	40	-	-	10.7
53	49	47	-	-	7.1
51	48	*	-	-	*
49	46	*	0.1	-	0.0
60	54	*	-	3	*
62	54	*	Tr	0.1	0.5
59	53	48	Tr	-	0.5
58	50	*	0.1	-	*
66	53	49	0.2	0.5	3.6
63	54	52	0.1	2	11.5
64	54	*	-	2	*

LONDON OBSERVATIONS.

Day 7h—12h, 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	cy	cybcy	bcbm	66	51	43	-	-	1.1	*	*	7
Croydon	217	c	cybc	bcbw	64	48	43	-	-	0.7	*	*	7
Greenwich (Royal Observatory) ...	149	cy	cbcy	bcby	69	45	32	-	-	4.9	49	52	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.8	*	*	*
Westminster (St. James' Park) ...	37	*	*	*	67	52	46	-	-	3.2	41	47	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	63	49	43	-	-	4.1	42	51	*
Camden Square	110	c	cbc	*	70	49	43	-	-	*	*	53	*
Kensington	80	bc	bc	*	67	51	44	-	-	2.3	At 13h.	44	*
Hampstead Observatory	450	bc	bc	*	66	47	36	-	-	4.5	*	47	*

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	6h 15m	0.0	11h-18h 3rd 15m

Kew Observatory. Max.	Time.	Min.	Time.
Record defective			

FOREIGN OBSERVATIONS.

Stations.	13h. G.M.T. 31st May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Th. G.M.T. 1st June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.3	E	1	c	59	1015.9	-	0	c	55
Brussels	1014.4	NW	3	b	61	1016.7	NE	1	b	55
Berlin	1013.7	-	0	pr	57	1015.1	NW'N	2	3o	55
Zürich	1014.3	NW	3	bc	61	1014.4	NE'E	1	pr	48
Rome	1011.9	W	3	c	64	1013.1	NNE	1	bc	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	54	Tr	0.3
64		-	
66	52	1	0.4
66	46	-	3
72	52	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 43.
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.

TERMS OF SUBSCRIPTION { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/3 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.

† 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

Friday, 2nd June 1933.

No. 26125

DIRECTION.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 1st June														OBSERVATIONS at 18h. G.M.T. 1st June														PAST 24 HOURS.			
				Wind.						Cloud.										Cloud.										Weather.			
										Form.			Amount.							Form.			Amount.									
		Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force 0-12	Weather.	°F. Temp.	% Humid.	Visibility 0-9	Low.	Med.	High.	Low 0-10	Total 0-10	Height of Base. (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Direc.	Force 0-12	Weather.	°F. Temp.	% Humid.	Visibility 0-9	Low.	Med.	High.	Low. 0-10	Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	7h.–13h. 1st	13h.–18h. 1st	18h. 1st to 1h. 2nd	1h.–7h. 2nd
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)...	1017·2	+6	SE	4	bc	71	35	7	7	-	-	2·3	2·3	4000	1016·9	+2	SSE	4	b	70	35	7	-	-	1	0	1	-	0	*	bbcy	bcby	by3o	bcy
	Croydon ...	1016·7	+4	SE'S	3	bc	73	45	8	1	-	1	1	2·3	4000	1016·6	+4	SSE	3	b	69	45	8	-	-	1	0	1	-	0	*	b3oy	by	by3ow	bwbbc
	S. Farnborough	1016·6	+6	SE'S	4	bc	70	45	7	1	7	-	2·3	2·3	5700	1016·5	+2	SSE	2	b	67	35	7	-	5	1	0	1	-	0	*	b3obcy	bcby	bycbc	bcc
	Winchester ...	1016·3	+6	SSE	4	bc	66	55	7	1	5	-	Tr	2·3	4000	1016·3	+2	SE'S	4	bc	65	55	7	-	5	-	0	4·6	-	0	*	cbcy	bcy	c	c
	Boscombe Down	1015·4	+4	SE'S	4	bc	66	65	7	1	3	9	2·3	4·6	2500	1015·7	+4	SE	4	bc	62	75	7	5	5	9	2·3	4·6	2500	0	*	cm obc	bccbc	bcc	cmo
	Calshot, S'thmtn	1016·8	+6	E'S	4	bc	62	75	6	1	5	9	Tr	2·3	4000	1016·7	0	ESE	4	bc	60	75	6	-	5	-	0	4·6	-	0	2	cbcmo	bcmo		c
	Dungeness ...	*	*	NE'E	2	bc	*	*	7	5	-	*	2·3	2·3	2500	*	*	NE	2	b	*	*	7	5	-	*	Tr	Tr	1500	*	3	bc	b		bc
	Lympne ...	1018·4	+8	E'S	3	b	63	55	7	-	-	1	0	Tr	-	1018·5	0	ENE	3	b	58	55	8	-	-	1	0	Tr	-	0	*	by	by	byw	bwmobc
2	Shoeburyness	1018·4	+6	E	5	b	64	55	7	-	-	1	0	1	-	1018·3	+2	E'S	4	b	58	75	8	-	-	1	0	Tr	-	0	*	bbc	bcb	bbw	bwbc
	Felixstowe ...	1019·0	+6	E	2	bc	60	85	9	-	-	1	0	2·3	-	1019·0	0	E'N	3	b	56	85	9	-	-	1	0	1	-	0	1	bbcbv	bcvbv	bv	bbc
	Gorleston ...	1019·2	+10	SE'E	3	bc	57	85	7	-	8	-	0	2·3	-	1019·0	-4	SE'E	3	bc	55	85	7	-	4	-	0	2·3	-	0	3	bcb	bc	bcb	bcwq
	Cranwell ...	1016·5	-4	SE	4	bc	72	45	7	1	-	1	4·6	4·6	4000	1015·8	0	SE	3	b	69	45	6	-	-	1	0	1	-	0	*	bmobc	bcb3o	by3o	bmoc
3	Birmingham ...	1015·4	0	SSE	4	bc	69	45	8	1	-	-	4·6	4·6	4000	1015·0	0	S	4	bc	67	55	8	1	4	-	4·6	4·6	4000	1	*	bbc	bcc	bc	bcc
4	Upper Heyford	1015·8	+2	SSE	3	c	68	55	8	8	3	-	9	9	4000	1015·9	+4	S	3	bc	67	55	8	8	7	5	Tr	4·6	4000	0	*	bbccy	cybcy	bcybc	bcc3o
	Ross-on-Wye ...	1014·7	+6	S'E	4	c	66	65	7	9	7	-	9+	10	4000	1014·6	0	SSE	4	c	65	65	7	7	9	-	1	7·8	4000	0	*	cbcc	cpoc	c	c
5	Portland Bill...	1015·8	+10	E	4	c	59	85	6	5	4	-	7·8	9+	2500	1016·0	0	E	4	c	56	95	6	5	-	-	10	10	2500	0	3	cc3o	cc3o	cc3o	c
	Plymouth ...	1014·4	+6	S	2	c	59	85	7	5	5	-	4·6	9	800	1014·6	+7	SSE	3	c	59	85	8	5	2	-	9+	10	1500	1	2	oddfc	c	c	codrmo
	The Lizard ...	1013·5	+2	SE'E	1	f	58	95	7	5	-	-	10	10	800	1013·9	0	S'W	3	3o	57	95	5	5	-	-	10	10	1500	1	2	fcff	ffcom	omffr	fdffr
	Scilly (St. Mary's)	1011·8	+2	S	4	f	59	95	7	5	7	-	4·6	9+	2500	1011·5	0	S	5	f+	57	95	8	8	-	-	10	10	<150	1	2	ffdoc	coffe	ffrr	ffir
	Guernsey ...	1015·5	+6	SE	1	fs	63	85	4	8	-	-	10	10	1500	1015·5	+7	SE	1	bc	64	85	8	8	-	-	4·6	4·6	2500	1	1	odfD	cbc	bcoid	cbcc
6	Pembroke ...	1011·8	0	SE	3	c	57	95	5	5	-	-	10	10	1500	1013·3	-2	SE	2	c	57	95	6	5	6	-	7·8	10	1500	1	2	fidfeifmoc	cifidoc	prqmoc	cFrrc
7	Holyhead ...	1012·3	+2	S'E	4	c	61	85	7	5	-	-	10	10	2500	1012·0	0	S	4	ir	60	85	8	6	-	-	10	10	2500	0	2	croc	c	c	irmo
	Chester (Sealand)	1013·8	-4	SSE	S	bc	72	55	7	1	3	-	4·6	4·6	4000	1013·5	+4	SSE	3	c	66	65	6	5	3	1	4·6	9	4000	0	*	3obc	bcyc	cir	cmo
8	L'pool (Bidston)	1013·5	0	S	4	bc	71	55	7	7	-	-	4·6	4·6	2500	1013·0	0	S	4	c	67	55	7	5	3	-	7·8	9	2500	0	*	bbcqy	bcqcy	c	ccpo
9	Harrogate ...	1015·3	-6	SSE	3	bc	68	55	7	-	8	9	0	2·3	-	1015·1	-6	SE	3	c	63	65	7	-	5	-	0	9+	-	0	*	bbc	bcc	cbc	bcc
10	Spurn Head ...	1018·1	+2	SE	4	bc	57	85	7	-	2	4	0	4·6	-	1016·8	-4	SE	6	c	57	75	7	5	1	8	2·3	7·8	4000	0	4	bc	bcc	cb	bcc
	Catterick ...	1015·3	-6	SE	5	c	68	45	6	1	-	9	1	7·8	2500	1014·4	+2	SE	3	bc	64	55	7	-	3	9	0	4·6	-	0	*	bmoc3oy	bc3oy	bcybcw	bccmo
	Tynemouth ...	1015·8	+2	SSE	3	bc	55	85	6	5	-	2	4·6	4·6	800	1015·3	-4	SE	4	bc	55	75	7	7	-	-	4·6	4·6	4000	0	2	bcmo	bc	bcco	oircc
11	Inchkeith ...	1014·3	-4	NNE	3	3o	54	95	6	5	5	-	4·6	9	800	1016·5	-6	SE	3	c	65	55	6	8	-	-	10	10	1500	0	3	off	c	cir	cir
	Leuchars ...	1015·5	-2	ENE	2	c	54	85	5	5	-	-	9+	9+	450	1013·6	-6	SE	4	c	60	65	7	-	3	-	0	7·8	-	0	*	ocmo	cbcyqmo	cqcroo	croomo
12	Renfrew (Abbotts L)	1012·3	-6	SE	4	c	67	55	7	5	-	-	9+	9+	4000	1011·3	0	SE	2	o	64	65	7	5	-	-	10	10	5700	0	*	cmbcgc	03o0	ocmo	cmorr
	Eskdalemuir ...	1013·2	-6	SSE	4	c	65	45	7	1	7	-	Tr	7·8	4000	1012·7	-4	SSW	3	c	61	75	6	5	2	-	7·8	10	4000	1	*	cwbcy	cyc3o	c3o	cddmo
13A	Tiree	1009·3	-2	SE'E	5	3o	61	75	6	5	9	2	4·6	9+	4000	1007·0	-18	ESE	5	ir	56	85	6	5	2	-	9+	10	1500	1	4	c3o	c3oir	c3oir	crrbc
13B	Stornoway ...	1009·5	-6	SE	1	c	61	75	7	4	7	-	4·6	7·8	1500	1007·5	-8	SE	1	c	62	65	7	8	6	2	4·6	9	1500	1	0	cpro	c	cpr oir	circ
15	Dalwhinnie ...	1013·4	-4	ESE	5	3o	59	65	6	3	2	-	2·3	7·8	1500	1010·9	-2	ESE	6	c	59	65	6	3	2	-	4·6	10	1500	0	*	bc	3c	*	ir
	Aberdeen ...	1016·2	0	SSE	3	o	52	85	6	5	-	-	10	10	1500	1014·9	-6	SSE	3	bc	55	75	7	-	3	1	0	2·3	-	0	1	co3o	ob3o	bbcc	c3o
16	Wick	1014·6	+2	SE	4	c	52	95	7	5	1	-	7·8	10	1500	1013·0	-8	SW	2	c	52	95	7	5	2	-	7·8	10	1500	0	3	bcc	c	c	cro
	Lerwick ...	1017·9	+2	SSE	3	c	51	75	8	5	-	5	4·6	7·8	1500	1017·5	0	SSE	3	c	50	85	8	5	-	9	2·3	9+	1500	0	*	bcc	c	cbc	bccmo
17	Blacksod Point	1002·4	-8	SE	3	c	61	85	7	5	-	-	7·8	7·8	450	999·4	-20	SE	7	iR	60	85	7	6	-	-	10	10	<150	1	6	D	iRq	PRcq	bcq
18	Malin Head ...	1006·3	-20	SSE	5	c	62	75	7	8	7	3	7·8	9	2500	1003·9	-17	SSE	5	c	60	95	7	5	1	-	7·8	10	1500	0	2	cpr	c	cpr	c
	Aldergrove ...	1009·8	-2	SE	5	c/r	58	85	7	5	2	-	9	10	800	1008·3	-6	SE'E	5	c	58	85	8	4	1	-	9+	9+	1500	1	*	ccir	crc	corr	orro
	Donaghadee ...	1011·5	+2	SSE	3	c/d	54	95	6	6	-	-	9	9	1500	1009·9	-4	SSE	3	c	56	95	7	5	-	-	9	9	1500	0	2	cidomo	cidoc	cirq	crromo
19	Birr Castle ...	1006·0	-14	SSE	4	c	65	75	8	5	-	-	9+	9+	1500	1005·0	-6	SSE	3	ir	61	95	7	5	-	-	10	10	1500	1	*	oc	coir	orrc	c
20	Valentia Obsy.	1002·7	-10	S'E	6	id	60	95	7	6	-	-	10	10	450	1004·0	+22	S'W	5	c	59	85	8	8	-	1	7·8	7·8	1500	1	3	cidirid	idoirc	cbcc	cidoc
	Roches Point...	1006·9	-10	SW	3	f	56	95	3	5	-	-	10	10	<150	1005·8	-6	SW	5	ir	56	95	6	6	-	-	10	10	800	1	6	oirffe	offeir	orrcir	circ

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.*

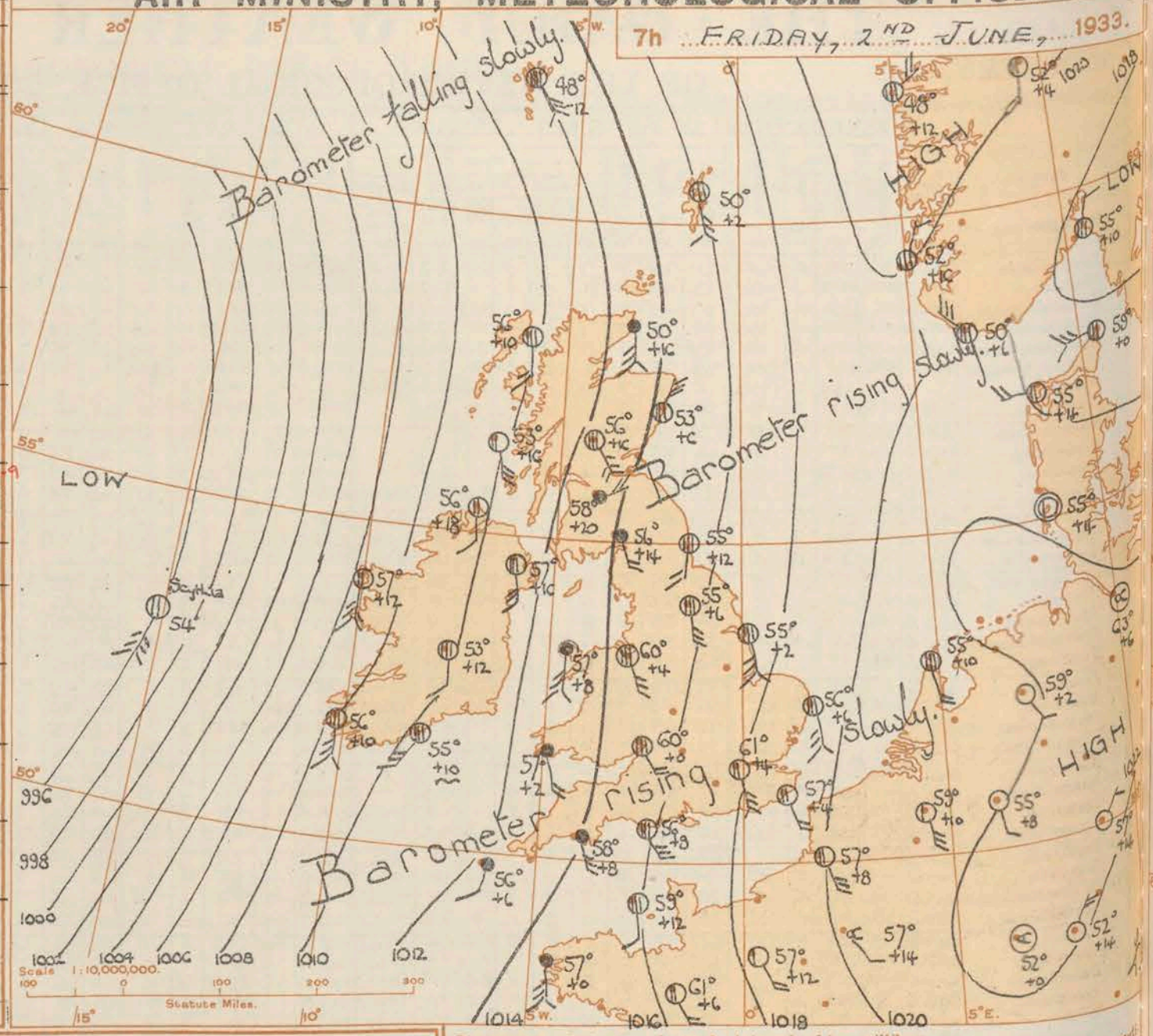
REPORTS from HEALTH RESORTS for 1st JUNE 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 31st to 9h. 1st	Temperature. Max. 9h.—17h. 1st	Rainfall. Night. 17h. 31st to 9h. 1st	Rainfall. Day. 9h.—17h. 1st	Sunshine. Sunrise to 17h. 1st	Sunshine. Sunrise to Sunset. 31st
1	Tunbridge W.	b	b	46	72	-	-	12·2	1·2
	Bournemouth	bc	bc	53	66	-	-	5·5	4·5
	Ventnor ...	b3	b3	54	64	-	-	8·0	1·3
	Southsea ...	b	b	54	65	-	-	10·3	0·8
	Bognor Regis	b	b	54	65	-	-	11·5	2·3
	Littlehampton	bc	bc	54	64	-	-	11·8	4·9
	Worthing ...	b	b	45	63	-	-	11·9	5·8
	Brighton ...	b	b	54	65	-	-	11·8	5·4
	Eastbourne†	b	b	54	62	-	-	12·3	2·4
	Hastings† ...	b	b	52	66	-	-	12·2	1·4
	Folkestone ...	b	b	49	62	-	-	11·9	7·0
	Dover... ...	bc	bcb	51	64	-	-	12·2	9·6
	Deal	b	b	48	63	-	-	12·1	12·1
	Ramsgate ...	b	b	52	61	-	-	12·0	13·7
	Margate ...	b	b	50	62	-	-	12·3	14·1
2	Southend ...	b	b	52	66	-	-	12·3	14·2
	Maldon ...	b	bv	46	66	-	-	11·8	13·5
	Clacton-on-Sea	bbc	bc	54	61	-	-	11·6	14·2
	Dovercourt ...	b	b	52	62	-	-	11·7	13·5
	Lowestoft ...	b	b	45	59	-	-	12·4*	12·4 13·9
	Skegness ...	b	b	50	60	-	-	11·7	11·1
	Mablethorpe	b	bbc	45	61	-	-	11·1	10·8
	Cleethorpes...	b	b	43	60	-	-	12.2	10.2
3	Leamington S.	b	bbc	47	72	-	-	11·0	0·1
4	Cheltenham†	b3 bc	bcc	50	69	-	-	9·9	0·1
5	Bath	bcc	cbc	54	68	-	-	3·2	2·9
	Weymouth ...	c	bc	54	62	-	-	3·0	3·8
	Jersey ...	drd	dcbc	57	66	4	3	4·3	3·7
	Torquay ...	oDm	odmoc	55	59	2	3	0·1	3·0
	Penzance ...	ofo	qfmo	52	59	2	Trace	0·0	6·5
	St. Ives ...	o	ocbc	44	61	1	-	0·5	5·8
	Bude	c	cro	58	67	0·5	Trace	0·8	3·0
	Ilfracombe ...	c	oc	54	65	-	-	1·7	3·3
6	Aberystwyth	bcc	ccroc	52	67	-	1	3·6	2·6
7	Llandudno ...	bcc	c	50	72	-	-	4·5	1·6
	Colwyn Bay...	bc	co	48	72	-	-	5·8	1·0
	Rhyl	bc	bcc	50	72	-	-	5·8	1·5
8	Wallasey ...	b	bbcc	55	73	-	-	8·0	6·8
	Southport‖ ...	bcc	coc	51	73	-	-	7·6	6·8
	Blackpool ...	c	c	50	71	-	-	7·0	7·8
	Morecambe ...	bbc	cbbcc	54	74	-	-	9·0	11·6
9	Ilkley... ...	b	b	40	71	-	-	8·4	3·6
10	Berwick-on-T.	cbcc	bcc	45	59	-	-	5·8	7·1
11	Dunbar ...	rof	bc	46	72	Trace	-	3·4	9·9
12	Troon... ...	wc	co	49	66	-	-	2·1	4·6
	Douglas ...	cbmo	cidm	52	60	-	Trace	2·2	3·2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h FRIDAY, 2ND JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd. June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or light southeast or south wind; fine or fair; warm, especially inland.
4. W. Midlands 5. S.W. England	Moderate or light south or southeast wind; mainly fair; warm.
6. South Wales 7. North Wales	Moderate or light south or southeast wind; cloudy or dull, local rain; local coast fog; rather warm.
8. N.W. England 9. N Midlands	As 4.
10. N.E England	As 1 - 3.
11. S.E. Scotland	Moderate or light southeast wind; cloudy, local rain, becoming fair, but perhaps local coast fog; warm, especially inland.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland	As 5 - 7.
15. N.E. Scotland	As 11.
16. Orkneys and Shetlands. 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate southerly wind; cloudy, occasional rain at most places; rather warm.

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. Haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high over Germany and low on the Atlantic. Shallow secondaries over Spain are likely to move north. Weather will be fair over most of England but rather unsettled in the West, and also at first in East Scotland.

FURTHER OUTLOOK.

Warm generally; unsettled in the West with thundery tendency; fair in eastern and midland districts, but perhaps becoming thundery later.

Forecasts issued at 0925 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.

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, 2nd June 1933.

No. 26125

Diagram.	Stations.	OBSERVATIONS at 1 hr. G.M.T. 2nd June: 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	1018·1	-2	SE'S	4	b	53	65	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019·5	+2	ESE	3	3o	53	85	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	14	1019·6	-2	SE	4	bc	52	85	7	-	4	-	0	2-3	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015·3	-6	SE	3	c	55	95	6	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	222	1013·4	0	S	4	df	57	95	2	5	-	-	10	10	450
	Scilly (St. Mary's)	163	1011·5	+4	SSW	4	rrf	57	95	2	5	-	-	10	10	<150
	Guernsey ...	175	1015·8	-4	-	0	c/d	59	95	8	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1011·3	0	SE	45	q	55	95	6	5	-	-	10	10	1500
7	Holyhead ...	26	1012·1	+2	S'E	4	o/d	60	85	7	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·6	+2	S'E	5	bc	53	85	7	-	1	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	87	1015·8	+4	S	2	o	54	85	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1013·2	+2	SE	2	ir	57	85	7	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1006·2	-4	SE	2	ir	54	95	7	9	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012·0	-6	S	4	c	51	95	8	5	1	-	7-8	9	1500
16	Lerwick ...	54	1016·9	-2	SE	3	bc	49	95	7	5	-	-	4-6	4-6	1500
17	Blacksod Point	18	1004·9	+20	S	6	q	56	85	7	3	-	-	7-8	7-8	450
18	Malin Head ...	52	1006·6	+16	S	1	c/pr	54	95	7	6	1	-	9	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1005·6	+2	S'W	3	bc	55	85	8	4	-	-	4-6	4-6	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Diagram.	Stations.	OBSERVATIONS at 7 hr. G.M.T. 2nd June: 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. 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 1st Hrs. (36)
1	London (Kew)...	1018.9	+6	S'E	3	bc	62	55	7	7	3	4	1	2-3	4000	0	*	72	52	40	-	-	14.3
	Croydon ...	1018.2	+4	SE	4	bc	61	65	8	~	3	1	0	4-6	-	0	*	75	53	49	-	-	14.9
	S. Farnborough	1018.1	+8	SSE	3	c	58	65	7	5	-	-	9+	9+	2500	0	*	71	53	46	-	-	12.5
	Winchester ...	1017.7	+12	SE	3	c	59	75	7	5	2	-	9	10	2500	0	*	68	57	55	-	-	12.6
	Boscombe Down	1016.4	+8	SE	3	c	58	75	6	5	-	-	10	10	4000	0	*	67	55	53	-	-	10.8
	Calshot (S'thmtn)	1017.0	+6	SE'S	5	c	60	75	7	5	8	-	4-6	10	2500	0	3	64	58	57	-	-	6.5
	Dungeness ...	*	*	SE	2	bc	*	*	7	4	-	*	2-3	2-3	2500	*	1	65	51	*	-	-	8.0
	Lympne ...	1019.9	+4	SE'E	2	bc	57	75	6	~	~	1	0	2-3	~	0	*	64	49	47	-	-	* 14.6
2	Shoeburyness	1019.8	+4	SE	3	bc	60	75	7	~	5	~	0	2-3	~	0	*	64	51	46	-	-	14.3
	Felixstowe ...	1019.8	+8	SE'S	3	bc	59	85	8	~	~	2	0	4-6	~	0	1	60	51	47	-	-	14.4
	Gorleston ...	1019.5	+6	SSE	4	c	56	85	7	~	8	5/4	0	7-8	~	0	3	57	52	48	-	-	14.6
	Cranwell ...	1018.2	+4	SE	3	c	52	85	7	7	5	~	2-3	7-8	4000	0	*	73	46	44	-	-	13.6
3	Birmingham ...	1016.6	+2	SSE	3	c	57	65	8	5	7	~	7-8	9+	4000	0	*	70	54	53	-	-	9.9
	Upper Heyford	1017.8	+12	S'E	2	c	59	75	6	5	2	~	7-8	10	1500	0	*	71	58/3	46	-	-	*
4	Ross-on-Wye ...	1015.4	0	ESE	2	c	60	85	6	5	7	8	7-8	9+	2500	0	*	68	57	55	Tr	-	3.9
5	Portland Bill...	1016.2	+8	ESE	3	c	56	95	7	5	7	~	7-8	10	1500	0	3	59	(55)	*	-	-	*
	Plymouth ...	1014.5	+8	SE	3	d,d,	58	95	6	6	-	-	10	10	450	1	2	63	57	55	0.4	0.1	2.1
	The Lizard ...	1013.5	+4	SSE	4	r	57	95	6	5	-	-	10	10	800	1	3	59	56	*	Tr	3	*
	Scilly (St. Mary's)	1012.2	+6	SSW	1	rf	56	95	2	5	-	-	10	10	<150	1	2	66	55	*	0.1	12	0.0
	Guernsey ...	1016.1	+12	S	1	c	59	95	8	8	-	-	7-8	7-8	2500	1	1	65	57	53	4	0.3	3.1
6	Pembroke ...	1013.0	+2	SSE	2	rf	57	85	1	3	-	-	10	10	<150	2	2	58	52	*	1	8	0.0
7	Holyhead ...	1013.0	+8	S'E	4	r,r,	57	95	6	6	2	-	9+	10	450	1	1	65	57	56	Tr	4	1.0
	Chester (Sealand)	1014.7	+4	SE	3	c	60	65	6	5	9	1	2-3	9	4000	0	*	72	58	53	-	0.4	5.7
8	L'pool (Bidston)	1014.2	+2	SE'S	4	c	62	65	7	5	2	1	4-6	9	4000	0	*	71	58	56	-	Tr	7.6
9	Harrogate ...	1016.8	+6	SSE	3	c	55	75	6	5	-	-	9+	9+	5700	0	*	70	51	50	-	-	9.2
10	Spurn Head ...	1018.4	+2	S'E	4	c	55	85	7	5	7	-	2-3	7-8	4000	0	3	59	50	*	-	-	12.0
	Catterick ...	1016.6	+10	SE'S	3	c	52	85	6	-	9	1	0	10	-	0	*	69	50	48	-	-	7.5
	Tynemouth ...	1015.3	+12	SSW	2	c/r	55	75	6	6	-	-	9	9	1500	1	1	56	52	49	-	0.3	*
11	Inchkeith ...	1013.8	+6	S	1	ir	60	85	6	6	-	-	10	10	1500	1	2	67	55	53	-	1	2.0
	Leuchars ...	1014.7	+12	ESE	3	r,r,	54	95	6	-	7	-	0	10	-	0	*	64	51/2	50	-	2	2.5
12	Renfrew (Abbotts L.)	1012.4	+10	E'N	2	rr	58	95	6	6	2	-	4-6	10	800	1	*	69	58	57	-	5	1.9
	Eskdalemuir ...	1014.2	+14	SSE	2	dd	56	95	6	6	2	-	7-8	10	800	1	*	67	56	54	-	1	3.7
13A	Tiree	1010.0	+16	SE'S	3	bc	53	95	8	5	7	3	2-3	4-6	2500	1	3	61	52	49	18	8	0.8
13B	Stornoway ...	1008.1	+10	S	2	c	56	95	8	9	7	-	7-8	9+	1500	1	1	63	51/3	*	0.1	10	2.2
15	Dalwhinnie ...	1012.1	+14	SE	5	c	56	95	6	3	~	-	7-8	7-8	450	1	*	64	52	51	-	3	3.5
	Aberdeen ...	1014.9	+6	NNE	3	c	53	85	6	8	7	8	4-6	9+	4000	0	1	57	50	50	-	-	4.3
	Wick	1013.0	+16	SE S	4	r,r,	50	95	7	5	2	-	4-6	10	1500	1	3	53	50	*	-	0.5	*
16	Lerwick ...	1016.9	+2	SSE	4	c/p	50	95	6	8	2	-	7-8	10	800	0	*	52	48	*	-	-	8.6
17	Blacksod Point	1007.5	+12	S	5	bc	57	75	8	3	~	-	4-6	4-6	800	0	4	65	53	*	6	1	*
18	Malin Head ...	1009.7	+18	S	1	bc	56	95	7	4	9	~	1	4-6	800	1	0	63	51	*	Tr	1	0.9
	Aldergrove ...	1011.2	+16	S'E	3	c	57	95	8	5	3	8	1	9+	800	1	*	61	54	51	Tr	5	0.8
	Donaghadee ...	1011.6	+12	S	3	o	55	95	6	5	~	~	10	10	800	1	2	59	53	*	0.2	10	*
19	Birr Castle ...	1009.8	+12	SSE	1	c	53	95	8	5	~	-	9	9	2500	1	*	66	48	36	0.4	8	0.9
20	Valentia Obsy.†	1008.1	+10	S'E	4	c	56	85	8	3	~	~	7-8	7-8	800	1	3	61	53	50	9	0.1	2.3
	Roches Point...	1010.6	+10	SW	3	c	55	95	8	3	~	~	7-8	7-8	1500	1	4	57	52	*	2	10	*

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	bbcy	bcby	by3 3o bcy	72	52	40	-	-	14.3	*	*	7
Croydon	217	b3oy	by	by3 3o bwb	75	53	49	-	-	14.9	*	*	
Greenwich (Royal Observatory) ...	149	by	by	by	73	45	35	-	-	14.3	40	46	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	12.8	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	72	53	47	-	-	14.0	31	41	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	73	50	43	-	-	13.7	38	48	*
Camden Square	110	b	b	*	76	50	45	-	-	*	*	47	*
Kensington	80	bcb	b	*	73	52	45	-	-	14.1	At 18h.	43	*
Hampstead Observatory	450	bc	b	*	67/71	48	38	-	-	13.3	35	39	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0.6	7-8h 1st, 4-5h 2nd	0.0	12h-20h 1st

Kew Observatory.

Max.	Time.	Min.	Time.
Record defective			

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.2	NE	2	b	70	1020.2	E'S	1	b	57
Brussels	1017.5	ENE	2	b	63	1021.4	SSE	3	b	59
Berlin	1016.2	N	1	bc/pr	64	1021.3	N	1	3o	63
Zürich	1016.3	SSW	2	c/t,r	48	1020.0	ENE	2	bc	48
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
72	46	-	-
64	48	-	-
70	50	0.2	-
59	43	19	0.2

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 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.

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

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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 3rd JUNE 1933.

No. 26126

Diagram.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 2nd June: 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)	OBSERVATIONS at 18h. G.M.T. 2nd June: 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. 2nd (37)	13h.–18h. 2nd (38)	18h. 2nd to 1h. 3rd (39)	1h.–7h. 3rd (40)
1	London (Kew)	1018.1	-6	S'E	4	c	73	45	7	1	-	6	Tr	7.8	4000	1017.5	-4	SSE	3	c	72	35	8	-	-	4	0	7.8	-	0	•	bcycy	cy	cyhcmo	bcmo
	Croydon	1018.0	-4	SE	3	bc	76	45	8	-	-	6	0	4.6	-	1016.9	-8	SE'E	3	c	72	45	8	-	3	2	0	7.8	-	0	•	bcy	bcy	bcyb	bc
	S. Farnborough	1017.8	-2	S'E	4	bc	73	45	7	1	3	8	Tr	4.6	7200	1017.3	-4	SE'S	3	bc	68	35	7	-	7	1	0	4.6	-	0	•	bcy	bcy	ybc	wbc
	Winchester	1017.7	+2	SSE	3	c	67	75	7	8	1	1	7.8	9+	2500	1016.7	-6	ESE	2	c	67	55	7	-	9	6	0	9+	-	0	•	cpre	ccy	cyc	c
	Boscombe Down	1017.2	+6	SE'S	3	c	64	85	7	5	2	-	7.8	10	1500	1016.3	-6	SE	4	c	66	55	7	5	7	2	2.3	9	5700	0	•	c3o rcmoc	cy	bcb	bbc
	Calshot, S'thmtn	1017.7	+2	E	2	c	67	75	7	5	3	9	4.6	7.8	4000	1016.7	-6	ESE	3	c	63	75	6	-	3	6	0	7.8	-	0	2	c	bcmo		bcc
	Dungeness	*	*	E	1	bc	*	*	6	5	8	*	2.3	4.6	1500	*	*	NE'E	2	bc	*	*	6	4	7	*	2.3	4.6	2500	*	0	bc	bc		bc
	Lympne	1020.1	-2	SE	2	bc	65	55	8	-	-	4	0	4.6	-	1019.1	-6	E	2	b	67	45	8	-	-	1	0	1	-	0	•	bbcy	by	bcy b3o	b3o cbc
2	Shoeburyness	1019.5	-2	SSE	4	c	72	45	8	-	-	6	0	7.8	-	1018.7	-4	ESE	4	c	65	65	8	-	-	6	0	7.8	-	0	•	bbc	bc	bcbw	bwbc
	Felixstowe	1020.2	-2	SSE	3	bc	65	85	7	-	-	2	0	2.3	-	1019.3	-6	E	3	c	62	85	7	-	-	2	0	7.8	-	0	1	bcbbc	c	bc	bcc
	Gorleston	1020.7	-4	SE	4	bc	60	75	7	-	4	-	0	4.6	-	1019.8	-6	SE'S	3	c	60	75	6	-	8	-	0	7.8	-	0	3	cbcq	bcq	cb	bbc
	Cranwell	1017.3	-6	SE	4	bc	76	45	6	1	6	1	2.3	4.6	4000	1017.0	0	SE'E	2	3o	70	65	6	4	7	-	2.3	9	5700	0	•	cbcy	bccy3o	c3o	bcw
3	Birmingham	1016.6	+2	SSW	3	0	66	75	8	6	-	-	10	10	2500	1016.5	-2	SSE	3	c	68	75	8	1	7	-	2.3	9	2500	0	•	bcc	cpr	cbc	bc
	Upper Heyford	1017.1	-6	S'E	4	c	72	55	8	7	7	8	4.6	9	2500	1017.1	0	S	2	c	68	65	7	-	2	8	0	9+	-	0	•	cpr cbcy	cy	cbcw	bcw
4	Ross-on-Wye	1015.9	+6	S'E	2	ir	65	85	7	6	1	-	9+	10	2500	1015.9	-4	SE	2	c/pr	65	85	8	9	7	-	7.8	9+	2500	1	•	c	Pecu Ppo	c	bc
5	Portland Bill	1016.5	+4	SE	4	c	59	95	7	5	-	-	10	10	1500	1014.8	-12	E	4	bc	58	85	7	4	-	1	2.3	4.6	2500	0	4	c	ire	c	c
	Plymouth	1015.5	+2	SE	3	c/do	61	95	8	5	2	-	9+	10	800	1014.1	-8	ESE	3	ir	61	85	8	5	-	-	10	10	1500	1	3	odd rd	cir	crrRR	crpro
	The Lizard	1014.6	+4	SSE	4	0	57	95	6	5	-	-	10	10	1500	1013.4	-2	SE'S	3	rr	56	95	6	6	-	-	10	10	2500	1	3	rpdm	orr	rmprc	cproc
	Scilly (St. Mary's)	1013.1	+2	SE'S	2	rf	57	95	3	·	·	·	10	10	<150	1012.4	-2	SE'S	4	rr	56	95	4	6	-	-	10	10	1500	1	2	rbifr	rfirr	rrirc	cpro
	Guernsey	1016.2	-4	SE	2	c	66	75	7	8	-	-	10	10	2500	1014.4	-14	SE	3	bc	68	55	8	7	1	1	4.6	4.6	4000	0	2	c	cbc	cdobc	cbc
6	Pembroke	1013.7	+6	SSE	2	ir	56	95	5	6	-	-	10	10	220	1012.7	0	SSW	2	rbr	56	95	5	3	6	-	4.6	10	800	1	2	cfirmo	ffrrmc	omRRrqc	rrmqc
7	Holyhead	1014.1	+6	S'E	4	rr	60	95	6	6	-	-	10	10	450	1014.8	+6	SSW	3	dod	57	95	5	5	-	-	10	10	220	1	1	rorm c	rirbo	rrro	iro
	Chester (Sealand)	1015.5	+4	SSE	4	c	67	75	7	5	2	-	7.8	10	2500	1015.7	-4	SES	2	c	65	85	6	5	3	-	7.8	7.8	1500	1	*	c	crRer	cpc	bcmo
8	L'pool (Bidston)	1016.4 1015.4	+8	S'E	4	c	67	75	7	5	2	-	7.8	10	2500	1015.5	0	SE	3	c	64	85	6	5	2	-	7.8	10	2500	1	*	cpoc	cprc	cbcc	ccpr
9	Harrogate	1016.4	0	S	3	c	68	65	5	-	7	-	0	9+	-	1016.8	0	S	3	c	66	75	5	6	2	-	7.8	10	5700	0	•	c	c	pocb	b
10	Spurn Head	1018.0	0	SE	4	bc	61	75	7	-	1	8	0	4.6	-	1017.3	-2	SE	5	bc	59	85	7	-	2	8	0	4.6	-	0	4	cbc	bc	bc	bc
	Catterick	1016.3	-2	SE'E	4	c	67	65	6	-	9	-	0	9	-	1016.4	-2	SSE	1	3o	65	85	6	5	7	-	4.6	10	4000	0	*	cmoc3o	c3o	irmo	bcbmow
	Tynemouth	1016.1	0	SSE	3	c	55	85	7	7	-	-	7.8	7.8	4000	1015.8	+2	SSE	2	c	57	85	6	6	-	-	7.8	7.8	1500	0	1	c	c	coiro	obc
11	Inchkeith	1015.7	+8	NNE	2	rr	57	95	6	6	-	-	10	10	1500	1015.8	+4	NE	2	c/R	57	95	6	5	7	-	7.8	9	1500	1	1	cir	cRR	c	c
12	Leuchars	1016.1	+10	NNE	1	c/c	60	85	6	5	7	-	7.8	9+	1500	1016.2	+4	NNE	1	ir	57	95	5	5	2	-	9+	10	800	1	*	crbir	crrirm	crmbw	cbwmo
	Renfrew (Abbotts I)	1014.2	+10	SE'S	3	c	62	85	7	8	2	-	7.8	10	2500	1014.5	0	SE'E	2	c	64	85	6	8	7	-	7.8	9	4000	1	*	crmoc	ecm	cmrro	cr cmo
	Eskdalemuir	1015.4	+6	SSE	2	rr	59	95	6	6	-	-	10	10	800	1015.7	0	S'E	2	c	62	85	8	2	7	3	2.3	7.8	1500	1	#	cddrr	orrbc	bccbcw	bcw
13A	Tiree	1012.4	+12	SE'S	4	c	59	85	8	8	7	2	2.3	7.8	2500	1013.0	+6	SE'E	3	bc	58	85	8	2	7	2	Tr	2.3	2500	0	3	bcc	bc	bcc	crr
13B	Stornoway	1011.0	+8	S	1	c	58	85	8	8	4	2	2.3	7.8	1500	1012.1	+6	SE	1	c	56	85	9	8	7	1	2.3	7.8	1500	1	1	c	c	c	cro6
15	Dalwhinnie	1014.6	+12	SE	3	c	59	85	8	3	2	-	7.8	10	1500	1014.4	+4	SE	3	c	61	75	8	3	1	-	4.6	10	800	1	*	c	iro	*	iro
	Aberdeen	1015.5	+2	SSE	3	c	62	65	6	-	9	-	0	9	-	1016.8	+6	S	2	c	54	85	6	-	7	-	0	10	-	0	1	cpr	c3o	cpro	bcw3o
	Wick	1013.7	+4	S	3	c	55	95	7	5	8	-	4.6	10	1500	1014.5	+4	S	2	c	55	95	7	5	1	-	7.8	10	1500	0	2	crome	eprbc	cmoc	c
16	Lerwick	1017.4	+2	S	4	c	52	95	5	5	-	-	9	9	800	1017.2	0	S	4	c	51	95	6	5	7	-	4.6	7.8	800	0	*	cirm	cmo	cmo	cpr
17	Blacksod Point	1008.6	+8	S	4	bc	61	65	8	2	-	-	4.6	4.6	800	1009.2	0	S	3	bc	61	65	8	2	-	-	2.3	2.3	1500	0	3	bcq	bc	bc	bc
18	Malin Head	1010.7	+4	SE	3	c	66	65	8	2	9	-	1	7.9	2500	1011.3	+4	SE	1	bc	66	65	8	4	9	-	2.3	4.6	2500	0	0	bcc	cbc	c	c
	Aldergrove	1012.3	+4	SSE	2	c	62	75	8	7	-	8	1	9	2500	1012.8	+2	SE	3	c	62	65	9	1	4	7	1	9+	2500	0	*	c	cbcv	cro	crro
	Donaghadee	1013.0	+8	S'E	2	of	54	95	3	5	-	-	10	10	800	1013.8	+2	SSE	2	c	55	95	7	5	-	-	9+	9+	1500	0	1	off	off	coffc	crrc
19	Birr Castle	1010.7	0	S	3	bc	67	55	8	7	-	8	2.3	4.6	2500	1011.2	+2	S	3	c	63	55	8	-	1	-	0	9	-	0	•	cbcy	bccy	c	cir
20	Valentia Obsy.	1009.4	+6	S'E	5	bc	63	75	8	2	-	-	4.6	4.6	1500	1010.0	+6	SSE	5	bc	64	75	8	2	-	1	4.6	4.6	1500	1	3	cbccbc	bc	bcb	bwbccpr
	Roches Point	1011.9	+14	SW	3	bc	60	95	7	3	-	-	4.6	4.6	1500	1012.0	-4	SW	3	bc	58	95	8	3	-	3	2.3	4.6	1500	0	3	cbc	bc	bccpc	corrc

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).
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. 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.*

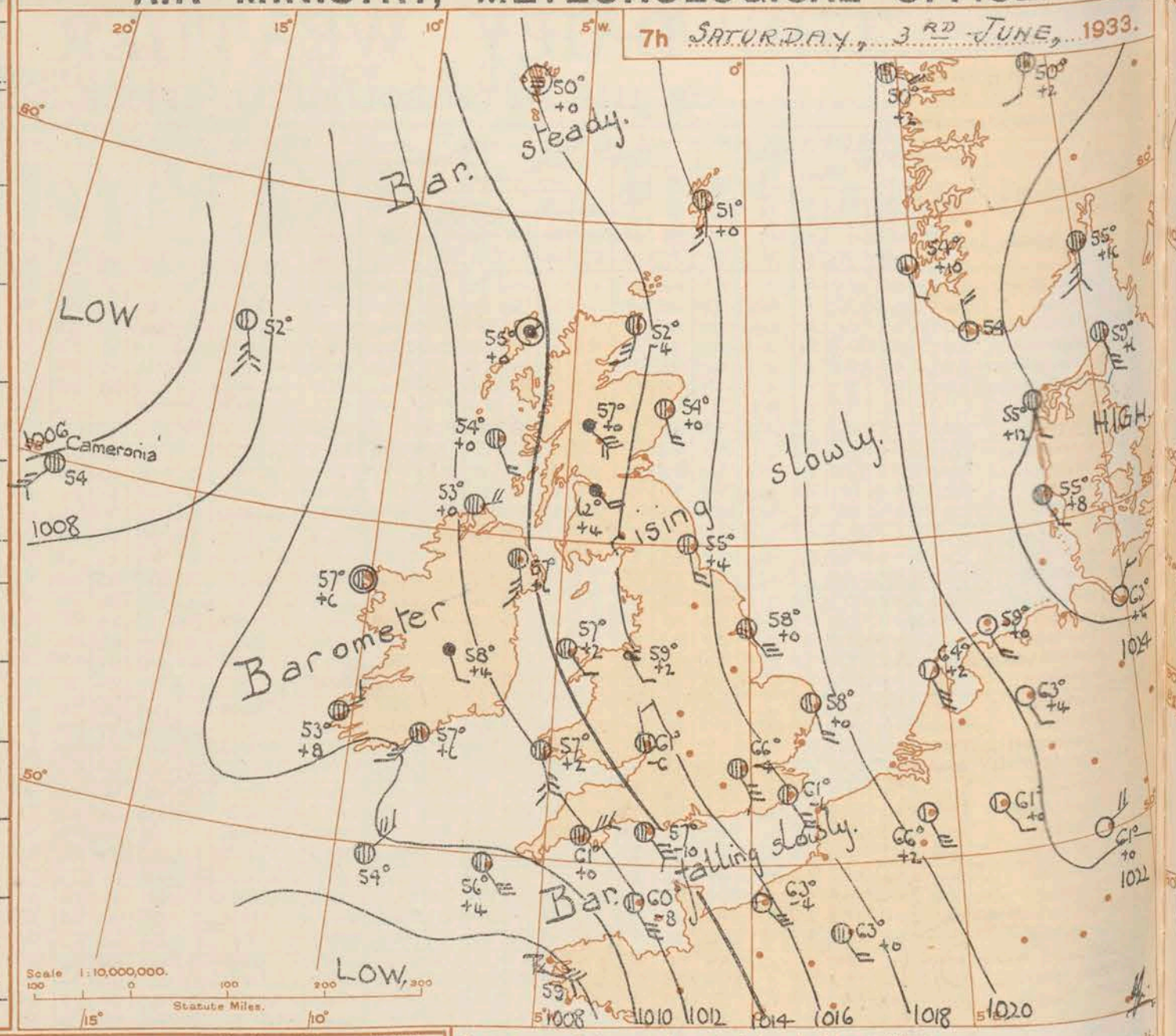
REPORTS from HEALTH RESORTS for 2nd June 1933.

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.	b	b	46	75	-	-	11·8	14·4
	Bournemouth	o	obc	56	65	-	-	1·6	6·0
	Ventnor ...	oc	bc	56	66	-	-	6·0	8·0
	Southsea ...	bcb	bbc	58	67	-	-	6·1	11·6
	Bognor Regis	cbcb	bbc	57	68	-	-	7·3	13.0
	Littlehampton	bc	bc	56	68	-	-	7·9	13.7
	Worthing ...	bcb	bbc	54	66	-	-	10·9	13·9
	Brighton ...	b	b	56	70	-	-	11·3	13·9
	Eastbourne†	b	bbc	53	65	-	-	11.7	14·5
	Hastings† ...	b	b	54	70	-	-	12·0	14·5
	Folkestone ...	b	b	51	69	-	-	12·1	14.1
	Dover... ...	yb	bbcy	49	70	-	-	12·3	14.5
	Deal	b	b	47	70	-	-	12·2	14·6
	Ramsgate ...	b	b	53	66	-	-	12·1	14·1
	Margate ...	bc	bc	51	71	-	-	12·4	14·8
2	Southend ...	b	b	53	74	-	-	11.7	14.0
	Maldon ...	b	b	43	75	-	-	10.9	13·8
	Clacton-on-Sea	b	b	54	64	-	-	11·2	13.9
	Dovercourt ...	bc	bc	52	68	-	-	12·1	13.7
	Lowestoft ...	b	bbc	50	63	-	-	12·3	15.0
	Skegness ...	b	bbc	45	66	-	-	9·2	13·3
	Mablethorpe	bc	bc	44	67	-	-	10·3	12·6
	Cleethorpes...	b	b	44	71	-	-	8.4	12·2
3	Leamington S.	cbcc	cprc	55	72	-	0.6	1·2	11.8
4	Cheltenham†	o3.oc	cbcpc	56	70	Trace	Trace	0.8	10.8
5	Bath	cbcd.	pdc	59	69	Trace	Trace	0.5	4·1
	Weymouth ...	pce	cpcbc	56	63	0.4	Trace	1·8	3.0
	Jersey ...	cbc	bcc	57	76	-	-	5.0	5.0
	Torquay ...	po	odrpo	55	62	0.1	0·2	0.0	0.2
	Penzance ...	r.o	oro	54	59	20	1	0.0	0.0
	St. Ives ...	rop	pr	56	62	18	2	0.0	0.5
	Bude	or.	or.	59	65	0.6	3	0.0	0.8
	Ilfracombe ...	orr	codc	58	67	-	13	0.4	1·2
6	Aberystwyth	cir	circ	58	66	2	7	0.0	3.6
7	Llandudno ...	cr	rc	59	69	1	6	0.6	4·5
	Colwyn Bay...	rcopc	oprbc	59	69	3	6	0.5	5.8
	Rhyl	rc	crrc	59	68	1	1	0·2	6·9
8	Wallasey ...	c	cPc	59	70	Trace	5	0.8	8·0
	Southport‖ ...	opc	orco	59	71	-	4	1·2	7·6
	Blackpool ...	pc	pc	59	67	0·1	3	0.1	7·0
	Morecambe ...	c	crc	60	68	-	4	0.0	9.0
9	Ilkley... ...	o	o	52	69	-	-	0.7	8.4
10	Berwick-on-T.	c	co	50	64	-	-	1.7	5·8
11	Dunbar ...	cp	orr	48	67	1	1	0·1	3.4
12	Troon... ...	roro	oro	57	61	6	1	0·2	2·6
	Douglas ...	oRffRR	oRom	53	61	8	11	0·0	2·2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SATURDAY, 3RD JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd. June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate or fresh southeast wind; fine; very warm inland.
4. W. Midlands	Moderate or fresh southeast wind; mainly fair; perhaps local showers; warm or very warm.
5. S.W. England 6. South Wales 7. North Wales	Moderate or fresh southeast wind; cloudy, local rain and perhaps thunder; warm.
8. N.W. England	As 4.
9. N Midlands	As 1 - 3.
10. N.E England 11. S.E. Scotland	Moderate southeast wind; fair or fine; perhaps local coast fog; warm, especially inland.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N W. Scotland.} 14. Mid-Scotland	Moderate or light southeast wind; mainly cloudy, occasional rain at most places; perhaps local thunder; warm.
15. N.E. Scotland	As 10 - 11.
16. Orkneys and Shetlands	Moderate southerly wind; fair; perhaps local fog; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light easterly or variable wind; cloudy, occasional rain and perhaps local thunder; rather warm.

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. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A large anticyclone is centred over Sweden and a shallow depression over the Bay of Biscay is moving slightly north. Weather will be fine in the East and Midlands but unsettled in the West with perhaps thunder locally.

FURTHER OUTLOOK.

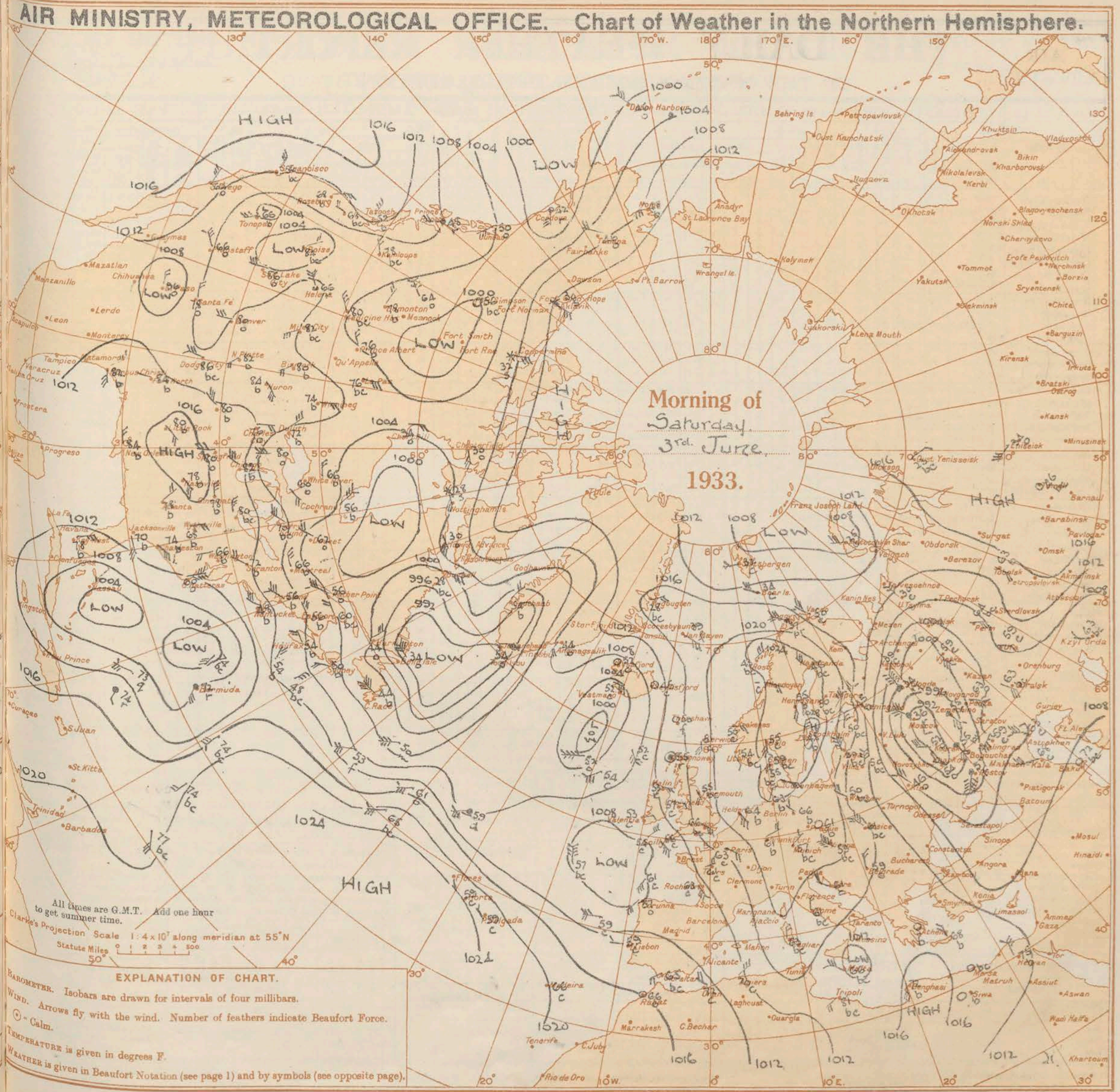
Not much change, but thundery tendency becoming gradually more widespread.

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.
Pa 756/2583 No.47 8.6200 3e906 27000 6/33

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, 3rd June 1933.

No. 26126

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

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	1018.1	+2	ESE	3	bc	58	75	7	-	-	8	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.2	0	ESE	3	b	60	65	6	-	-	1	0	Tr.	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019.7	-4	SE'E	3	b	57	85	7	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1014.5	-4	SE	4	c	57	85	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1011.9	-16	(SSE) NE	3	c	65	95	7	8	-	-	9+	9+	2500
	Scilly (St. Mary's)	163	1010.6	-12	SE'E	4	c	55	95	8	8	-	-	9+	9+	2500
	Guernsey ...	175	1014.4	-6	SSE	2	bc	59	85	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1013.7	0	SE	3~~4~~	r.r.	54	95	5	5	-	-	9+	9+	450
7	Holyhead ...	26	1014.8	-4	5	3	o|r	59	95	6	5	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018.4	+4	SSE	4	bc	55	95	7	-	2	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1016.9	-2	S	1	0	53	85	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1016.6	0	NE	2	c	55	95	8	5	7	-	7-8	9+	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1013.2	+2	-	0	c	54	95	8	8	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.0	+4	SSW	2	c	51	95	7	5	7	8	4-6	7-8	2500
16	Lerwick ...	54	1018.2	+4	S	3	c	51	95	6	5	2	-	4-6	10	800
17	Blacksod Point	18	1011.0	+4	-	0	bc	55	95	8	-	4	-	0	4-6	-
18	Malin Head ...	52	1012.5	0	SE	3	c	57	85	8	4	-	-	9+	9+	2500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1010.3	-6	SE'S	3	b	53	85	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1016.9	0	E'S	3	c	64	65	7	-	3	1	0	7-8	-	0	*
	Croydon ...	1017.1	-4	ESE	4	c	66	65	8	-	3	3	0	7-8	-	0	*
	S. Farnborough	1016.3	-2	ESE	3	bc	62	65	6	-	4	-	0	4-6	-	0	*
	Winchester ...	1014.8	-2	E'S	3	c	63	65	7	-	4	6	0	9+	-	0	*
	Boscombe Down	1014.8	-4	ESE	3	c	61	75	7	-	7	6	0	9+	-	0	*
	Calshot, (S'thmtn)	1014.8	-6	E'S	5	c	61	75	7	-	8	6	0	7-8	-	0	3
	Dungeness ...	*	*	ESE	3	bc	*	*	6	5	8	8	2-3	4-6	1500	*	2
	Lympne ...	1018.1	-6	ESE	4	bc	61	65	6	-	-	2	0	4-6	-	0	*
2	Shoeburyness	1018.2	-2	SE	4	bc	62	75	6	-	4	6	0	4-6	-	0	*
	Felixstowe ...	1019.1	0	E'S	3	c	66	85	7	-	-	6	0	7-8	-	0	1
	Gorleston ...	1019.8	0	SE'S	2	bc	58	85	6	-	7	-	0	4-6	-	0	2
	Cranwell ...	1018.2	-2	E'S	2	c	56	85	6	-	-	8	0	7-8	-	0	*
3	Birmingham ...	1016.3	-2	S	3	bc	62	65	8	-	8	2	6	4-6	-	0	*
	Upper Heyford	1016.3	-2	SE	3	3o	61	75	6	-	8	3	0	4-6	-	0	*
4	Ross-on-Wye ...	1015.2	-6	NW	1	3o	61	75	7	-	7	9	0	7-8	-	1	*
5	Portland Bill...	1012.9	-10	ESE	4	c	57	85	7	5	4	1	7-8	7-8	2500	0	3
	Plymouth ...	1011.3	0	E	4	c|pr	61	75	8	8	-	-	9+	9+	4000	1	1
	The Lizard ...	1010.1	0	NE	3	c	56	95	7	8	-	-	9+	9+	2500	1	2
	Scilly (St. Mary's)	1009.3	+4	SE'E	3	c|r	56	95	6	6	6	-	9+	10	2500	1	2
	Guernsey ...	1011.5	-8	SE	3	bc	60	75	7	8	-	-	4-6	4-6	2500	0	2
6	Pembroke ...	1011.6	+2	SSE	4~~3~~	q	57	85	6	5	7	-	7-8	9+	1500	1	2
7	Holyhead ...	1014.2	+2	ESE	1	c	57	95	7	5	7	-	4-6	10	4000	1	0
	Chester (Sealand)	1016.0	+2	SE	1	3o	59	75	6	5	3	9	2-3	7-8	4000	1	*
8	L'pool (Bidston)	1016.0	0	SE	3	c|pr	59	65	6	5	4	9	4-6	9+	2500	1	*
9	Harrogate ...	1018.1	0	S	1	b	58	75	5	-	3	9	0	Tr	-	0	*
10	Spurn Head ...	1018.5	0	SE'E	3	c	58	85	7	5	1	8	2-3	7-8	4000	0	2
	Catterick ...	1018.1	+4	SE'S	2	bc	55	85	6	-	5	2	0	4-6	-	0	
	Tynemouth ...	1017.7	+4	SSE	2	bc	55	85	6	5	8	-	4-6	4-6	800	1	1
11	Inchkeith ...	1017.7	+2	NE	2	c	58	85	6	5	5	-	7-8	9	1500	1	1
	Leuchars ...	1017.2	+2	ENE	2	bc	55	95	5	-	8	9	0	2-3	-	1	*
12	Renfrew (Abbotts L)	1015.5	+4	E'S	2	r.	62	85	6	6	2	-	4-6	8~~9~~ 10	1500	1	*
	Eskdalemuir ...	1016.0	+2	S	1	bc	63	75	7	1	4	-	1	2-3	2500	1	*
13A	Tiree	1013.6	0	SE	2	c|r	54	95	7	5	7	-	9+	10	450	1	2
13B	Stornoway ...	1012.7	0	-	0	r.	55	95	8	8	2	-	7-8	10	1500	1	0
15	Dalwhinnie ...	1015.0	0	ESE	5	r.	57	85	6	3	2	-	4-6	7-8	450	1	*
	Aberdeen ...	1017.3	0	SE	2	bc	54	95	5	-	9	-	0	4-6	-	1	1
	Wick	1015.5	-4	SSW	3	c	52	95	8	8	1	-	7-8	9	2500	0	2
16	Lerwick ...	1018.2	0	S	3	c	51	95	7	5	5	1	4-6	7-8	800	0	*
17	Blacksod Point	1011.2	+6	-	0	bc	57	75	9	-	5	-	0	4-6	-	0	2
18	Malin Head ...	1012.9	0	E	2	c|r	53	95	7	3	-	-	9+	9+	220	1	0
	Aldergrove ...	1013.8	+6	~~SSE~~ E	3	c	57	95	7	5	3	-	1	9	450	1	*
	Donaghadee ...	1014.2	+8	S'E	2	c	55	95	7	5	-	-	7-8	7-8	1500	1	1
19	Birr Castle ...	1011.6	+4	SE	1	r.	58	95	7	6	7	-	9	10	1500	1	*
20	Valentia Obsy.†	1010.5	+8	E'N	1	c|pr	53	85	9	5	7	-	7-8	9+	2500	1	2
	Roches Point...	1010.9	+6	SW	3	c	57	95	8	3	-	-	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 2nd Hrs. (36)
1	London (Kew)...	75	56	43	-	-	12.4
	Croydon ...	78	55	52	-	-	13.0
	S. Farnborough	74	49	35	-	-	9.0
	Winchester ...	70	50	42	0.1	-	3.2
	Boscombe Down	68	53	50	0.1	-	1.6
	Calshot, (S'thmtn)	69	57	56	-	-	2.3
	Dungeness ...	71	55	*	-	-	*
	Lympne ...	70	57	53	-	-	14.0
2	Shoeburyness	74	51	38	-	-	13.3
	Felixstowe ...	66	56	52	-	-	13.6
	Gorleston ...	61	55	47	-	-	13.2
	Cranwell ...	76	47	41	-	-	5.6
3	Birmingham ...	68	53	41	0.4	-	0.2
	Upper Heyford	73	52	47	Tr	-	0
4	Ross-on-Wye ...	69	55	47	4	-	0.7
5	Portland Bill...	61	55	*	1	-	*
	Plymouth ...	65	55	52	2	8	0.10
	The Lizard ...	58	53	*	3	.	
	Scilly (St. Mary's)	61	55	*	5	3	0.6
	Guernsey ...	68	58	55	7	7	6.2
6	Pembroke ...	57	53	*	9	7	0.0
7	Holyhead ...	61	55	54	9	5	0.0
	Chester (Sealand)	69	56	53~~2~~	2	Tr	1.1
8	L'pool (Bidston)	69	56	54	4	0.2	1.2
9	Harrogate ...	69	52	46	-	Tr	1.2
10	Spurn Head ...	61	54	*	-	-	9.2
	Catterick ...	68	50	45	-	Tr	2.7
	Tynemouth ...	60	53	47	-	0.4	*
11	Inchkeith ...	61	53	51	9	Tr	0.3
	Leuchars ...	61	48	40	4	0.4	0.5
12	Renfrew (Abbotts L)	65	58	57	1	1	0.4
	Eskdalemuir ...	62	56	51	18	-	1.0
13A	Tiree	61	53	51	-	4	10.8
13B	Stornoway ...	59	52	*	-	1	5.6
15	Dalwhinnie ...	61	54	51	Tr	Tr	2.0
	Aberdeen ...	63	46	42	0.2	0.6	0.8
	Wick	57	49	*	0.3	-	*
16	Lerwick ...	53	50	*	~~Tr~~ 2	1	~~0.6~~ 0.0
17	Blacksod Point	64	53	*	-	-	6.4
18	Malin Head ...	67	52	*	-	3	~~0.6~~ 5.5
	Aldergrove ...	65	55	50	-	6	
	Donaghadee ...	57	51	*	-	7	*
19	Birr Castle ...	68	55	49	-	1	7.0
20	Valentia Obsy.†	65	49	43	-	Tr	11.9
	Roches Point...	60	55	*	-	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	bc y c y	c y	c y b c m	75	56	43	-	-	12.4	*	*	7
Croydon	217	b c y	b c y	b c y b b c	78	55	52	-	-	13.0	*	*	8
Greenwich (Royal Observatory) ...	149	b y	b c y	b c b y	80	~~56~~ 51	39	-	-	12.6	30	54	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	12.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	75	58	51	-	-	12.5	68	44	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	77	55	49	-	-	12.5	42	52	*
Camden Square	110	b c	b c	*	80	55	48	-	-	*	*	51	*
Kensington	80	b c	b c	*	75	54	45	-	-		At 18h.	48	*
Hampstead Observatory	450	b c	b	*	79~~5~~	53	45	-	-	12.~~5~~6	32 *	53	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 3rd

South Kensington. Max.	Time.	Min.	Time.
0.6	4-6h 3rd	nil	11-2o 2nd

Kew Observatory. Max.	Time.	Min.	Time.
0.2	5h 3rd	<0.1	12h-15h 2nd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017.8	ESE	2	bc	72	1017.1	ESE	2	c	63
Brussels	1019.5	E'N	2	b	72	1020.3	SE	3	b	66
Berlin	1020.9	NNW	2	c	70	1023.1	NW	1	b	66
Zürich	1019.2	ENE	4	b	64					
Rome	1013.7	ENE	1	c d o	75	1016.2	N	2	bc	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
73	50	-	-
75	55	-	-
75	?	-	-
70		-	-
.	50	.	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	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.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 3/6 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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th JUNE 1933.

No. 26127

DIST.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 3rd June															OBSERVATIONS at 18h. G.M.T. 3rd June														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base. (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base. (feet)	State of Ground. 0-9	Sea. 0-9	WEATHER. 7h.–13h. 3rd	WEATHER. 13h.–18h. 3rd	WEATHER. 18h. 3rd–1h. 4th	WEATHER. 1h.–7h. 4th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1015·9	-1·0	SE	5	bc	76	35	8	1	6	4	Tr	4·6	5700	1015·9	0	SE	4	bc	78	35	8	-	8	1	0	2·3	-	0	•	bcy	bcy	by	by
	Croydon	1016·2	-4	ESE	4	bc	78	35	8	-	-	9	0	4·6	-	1015·9	+4	SE'S	4	b	78	45	8	-	-	1	0	1	-	0	•	bcy	⊛bcy	byb	b
	S. Farnborough	1015·5	-4	SE	4	bc	75	35	8	-	4	3	0	2·3	-	1015·3	-2	SE	4	b	75	45	8	-	-	1	0	1	-	0	•	bcy	bcby	yb	wb
	Winchester	1014·8	-6	SE	4	bc	74	45	8	-	7	1	0	4·6	-	1015·1	+4	SE'E	3	c	73	35	8	-	-	2	0	7·8	-	0	•	bcy	be by	bcyb	b
	Boscombe Down	1014·0	-6	ESE	5	bc	75	35	8	1	-	1	Tr	2·3	5700	1014·4	+2	SE'E	4	bc	71	45	7	-	-	6	0	4·6	-	0	•	bcy	bbcy	bcyb	b
	Calshot, S'thmtn	1014·5	-8	E	6	bc	67	65	7	3	4	8	1	4·6	4000	1014·8	+2	SE'E	3	bc	64	75	7	-	-	8	0	2·3	-	0	3	cbc	bc	bcbw	bw
	Dungeness	*	*	ENE	2	bc	*	*	6	5	7	*	2·3	4·6	1500	*	*	E'S	3	bc	*	*	7	5	7	*	2·3	4·6	1500	*	0	bc	bc	*	bc
	Lympne	1017·6	-4	ESE	4	bc	73	45	8	-	-	1	0	4·6	-	1017·1	+2	ESE	3	bc	72	45	8	-	-	1	0	4·6	-	0	•	bbc3·y	bcy	be by	by
2	Shoeburyness	1018·7	+2	ESE	5	c	71	55	6	-	-	6	0	7·8	-	1017·0	-6	ESE	4	bc	67	65	7	-	-	6	0	4·6	-	0	•	bcm·	pcm·bc	bcbw	bcbcm·
	Felixstowe	1018·5	-6	ENE	3	bc	66	65	7	-	-	2	0	4·6	-	1017·6	-4	NE'E	3	bc	63	65	7	-	-	2	0	4·6	-	0	1	cbc	bc	bc	bcb3·
	Gorleston	1019·6	-2	SE'E	3	bc	63	75	6	-	4	1	0	4·6	-	1018·5	-8	E	4	c	61	75	6	-	-	2	0	7·8	-	0	3	bc	bcc	bcb	b
	Cranwell	1016·9	-6	SE'E	5	bc	77	35	7	-	-	2	0	4·6	-	1016·4	-2	SE'E	5	b	75	45	7	-	-	1	0	Tr	-	0	•	bc	bcb	b	b
3	Birmingham	1015·3	-4	ESE	3	bc	75	35	8	-	8	1	0	2·3	-	1015·1	0	SE	3	bc	76	35	8	-	-	1	0	2·3	-	0	•	bcb	by	b	b
	Upper Heyford	1015·6	-6	SE'S	3	b	76	45	7	-	4	8	0	1	-	1015·4	0	ESE	2	bc	74	45	8	1	-	1	Tr	2·3	2500	0	•	bc3·b	by	byb	bm·
4	Ross-on-Wye	1014·4	-4	E'S	4	bc	74	45	8	4	8	4	1	4·6	4000	1014·5	0	SE'S	2	c	74	45	8	4	-	2	1	1·8	2500	0	•	bc	bcy	bcb	bwb
5	Portland Bill	1013·2	+6	E'S	5	c	60	85	7	5	4	-	4·6	7·8	2500	1014·7	+6	E	4	c	60	85	7	4	4	-	7·8	10	2500	0	3	c	c	bcb	b
	Plymouth	1011·3	+8	ESE	5	r/tlr	60	75	7	8	8	3	4·6	9+	4000	1012·8	+10	ESE	4	c	67	65	8	8	-	3	4·6	9	4000	1	2	bcqeprt	cqbcc	cbc	bcw
	The Lizard	1009·9	-2	ENE	4	c	60	85	7	8	-	-	10	10	2500	1012·2	+12	ENE	2	c	60	95	7	4	4	2	4·6	7·8	4000	1	2	eprtl	c	c	cfbcw
	Scilly (St. Mary's)	1009·3	+4	SE	3	c	62	85	7	8	8	-	4·6	9	2500	1012·5	+14	S	2	bc	61	95	7	5	7	-	2·3	4·6	4000	1	1	circ	cbc	bccif	iffffe
	Guernsey	1012·0	+8	SE'S	4	bc	70	55	7	8	-	-	4·6	4·6	2500	1014·0	+18	S	2	tlr	65	85	7	6	-	-	10	10	2500	1	2	cbc	ctlp	otcbc	bc
6	Pembroke	1011·3	-4	ESE	5A	c/pr·	63	75	6	5	7	-	4·6	9+	1500	1012·0	+10	SE	2	bc	63	75	7	5	5	9	2·3	4·6	4000	0	1	cqpr·cq	cqbc	bccbc	bccwbcb
7	Holyhead	1014·1	-6	E	1	c	71	65	7	5	9	-	Tr	7·8	5700	1013·3	-2	SE	3	c	66	75	7	4	1	1	Tr	9	4000	1	1	cbc	bccbc	cbcb	bwm·
	Chester (Sealand)	1015·3	-6	SE	3	bc	74	45	6	5	3	-	2·3	4·6	5700	1015·8	-18	SSE	4	3	75	45	6	-	3	6	0	7·8	-	0	•	c3·bcy	ccy3·	bc3·	bcbwm·
8	L'pool (Bidston)	1015·1	-2	SE'E	3	b	74	45	7	7	-	-	1	1	2500	1013·8	-8	ESE	4	bc	75	45	8	7	-	6	Tr	4·6	5700	0	•	ccby	bybcqbcy	bcb	b
9	Harrogate	1016·6	-6	SSE	3	b	74	35	7	-	-	9	0	Tr	-	1016·2	0	SSE	3	b	73	45	7	-	-	2	0	1	-	0	•	b	b	b	b
10	Spurn Head	1018·5	0	ESE	4	bc	61	75	6	-	1	8	0	4·6	-	1016·9	-2	SE	6	bc	61	75	6	5	1	8	2·3	4·6	2500	0	4	cbc	bc	bc	bwb
	Catterick	1016·6	-1·4	SE	4	c	75	45	8	-	4	2	0	9	-	1016·1	-4	ESE	3	bc	71	55	8	-	4	2	0	4·6	-	0	•	bcm·⊛3·c	ycbbcy	bcybw	bwb
	Tynemouth	1018·4	+4	SE	2	bc	59	75	7	4	-	-	4·6	4·6	4000	1016·6	-4	SE	3	bc	59	75	6	2	-	-	2·3	2·3	2500	0	2	bc	bc	bc	bc
11	Inchkeith	1016·9	0	E	2	bc	61	75	7	8	5	-	4·6	4·6	2500	1015·9	-6	NNE	2	bc	57	95	7	5	-	1	2·3	4·6	1500	0	2	cbc	bc	bc	bc
12	Leuchars	1017·0	-2	ENE	2	bc	64	75	6	-	3	-	-	4·6	-	1016·2	-6	SE	3	b	65	65	7	-	-	1	0	1	-	0	•	bwc3·	bcm·cb	bbcbm·	bbm·
	Renfrew (Abbotts I.)	1015·7	-2	N	1	3·	69	65	6	8	7	-	4·6	9+	2500	1014·6	-2	SSW	2	bc	70	65	7	-	3	-	0	4·6	-	1	•	c⊛pr·	c3·y bc	bc	bcbm·w
	Eskdalemuir	1015·6	-4	SSE	4	bc	71	45	8	1	4	8	1	4·6	4000	1014·6	-10	SE	3	b	71	55	7	-	-	1	0	Tr	-	1	•	bcwbcy	bcybcy	bcw	bw
13A	Tiree	1014·8	+1·0	SSE	4	3·	61	85	6	5	3	-	7·8	9+	1500	1014·3	-8	SE	2	c	59	85	7	5	3	-	4·6	9+	2500	0	2	⊛bc	c3·	c	c
13B	Stornoway	1013·1	+8	-	0	c	54	95	8	5	2	-	4·6	10	1500	1012·9	+2	S'W	3	pr	57	85	7	8	7	-	7·8	10	1500	0	1	cirdm	cid·	cpr	c
15	Dalwhinnie	1016·3	0	SE	4	c	68	65	7	4	1	-	4·6	7·8	1500	1016·2	0	SE	4	2	64	65	8	4	1	-	4·6	7·8	1500	0	•	bc	bc	•	bc
	Aberdeen	1017·6	+2	SSE	3	bc	63	65	6	-	8	-	0	4·6	-	1017·4	-2	SSE	3	c	61	55	7	-	9	-	0	7·8	-	0	1	bcw3·	bc3·	bcyb	bcw3·
	Wick	1014·6	-2	SSE	3	c	57	95	6	8	6	2	4·6	7·8	2500	1015·7	0	SSW	3	3·	57	95	6	8	1	-	7·8	9	2500	0	2	cm·m	cm·m	cm·mc	cbc
16	Lerwick	1017·5	-4	SSW	3	c	53	95	6	5	7	1	4·6	7·8	800	1016·8	-6	SSW	4	c	52	95	6	5	7	4	4·6	9	1500	0	•	cm·	cm·	cm·	cir·bcm·
17	Blackasod Point	1012·7	-6	-	0	c	59	75	8	-	1	-	0	9+	-	1011·6	-4	SE	2	c	59	85	8	-	4	-	0	9+	-	0	2	cbc	ir·	pr bc	bc
18	Malin Head	1013·5	+6	SE	1	c	63	85	7	8	1	-	9+	10	1500	1012·9	-10	E	3	c/pr·	62	95	7	8	9	2	4·6	9	2500	0	0	c	cpr·	c	bc
	Aldergrove	1014·9	+2	SE	3	ir·	62	85	7	5	-	8	7·8	9+	4000	1013·9	-8	E	2	bc	68	65	7	-	4	4	0	4·6	-	1	•	cpc·ir·	cir·bc	c	cb3·
	Donaghadee	1015·2	-2	S	2	c	59	85	7	5	2	-	4·6	7·8	1500	1014·0	-1·0	S	1	c	61	85	7	5	3	-	4·6	7·8	1500	0	1	c	c	bc	bcb
19	Birr Castle	1012·0	+6	SE	1	ir	62	85	7	6	7	-	9	10	1500	1011·5	-6	SE	1	c	66	75	8	5	-	-	9+	9+	2500	1	•	cir	circ	c	c
20	Valentia Obsy.	1011·3	+2	NE'N	2	c	59	85	9	5	-	-	10	10	1500	1011·5	+2	-	0	b	61	85	8	1	-	1	1	1	800	1	2	c	cid·bcb	bw	bw bc
	Roches Point	1011·5	+1·0	SE	4	rr	57	95	6	6	-	-	10	10	800	1010·6	-6	SE	3	bc	64	75	8	3	-	9	2·3	4·6	1500	0	3	corr	orbc	bcc3·w	cffe

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.
ip, precipitation within sight of station.
ks, storm of drifting snow.
k/·, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
·/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.
"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.*

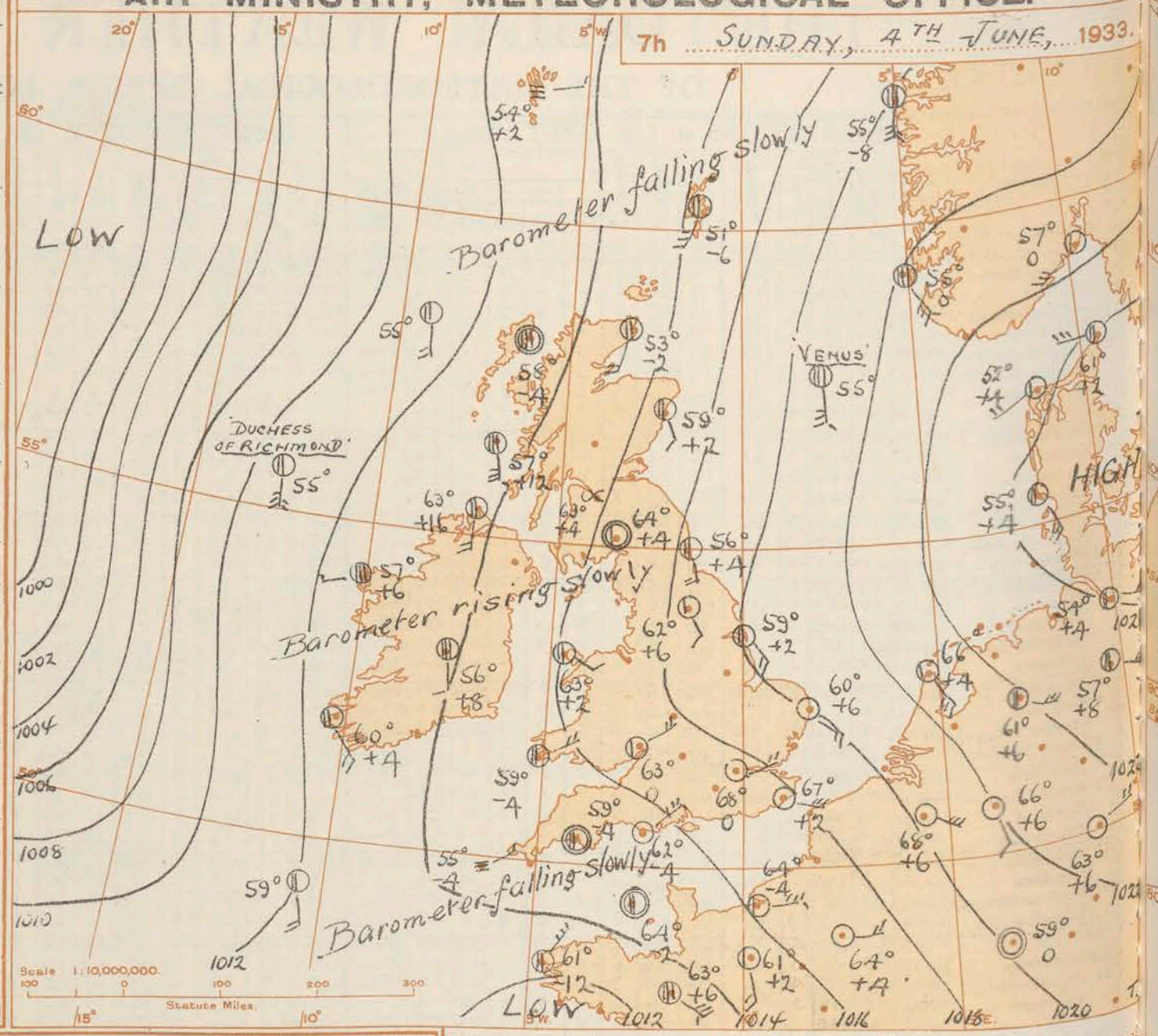
REPORTS from HEALTH RESORTS for 3rd June 1933.

District	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 2nd 8h. to 3rd 9h.	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.	b	b	48	80	-	-	11·3	13·0
	Bournemouth	b	b	57	73	-	-	10·0	3·3
	Ventnor ...	bcb3	b3	57	68	-	-	10·7	6·4
	Southsea ...	b	b	57	75	-	-	10·7	6·1
	Bognor Regis	bcb	b	53	69	-	-	9·4	7·6
	Littlehampton	bc	bcb	58	72	-	-	10·4	8·9
	Worthing ...	bc	bcb	58	70	-	-	9·7	11·6
	Brighton ...	b	b	61	75	-	-	10·8	12·2
	Eastbourne†	bcbbc	bcb	54	67	-	-	10·8	13·1
	Hastings† ...	b	b	58	73	-	-	11·4	13·2
	Folkestone ...	b	b	56	73	-	-	11·4	13·0
	Dover... ...	bc	bcbbcy	58	74	-	-	12·6	14·4
	Deal	b	b	55	70	-	-	11·6	14·0
	Ramsgate ...	b	b	56	67	-	-	11·4	13·8
	Margate ...	bc	bc	57	72	-	-	12·0	14·4
2	Southend ...	b	b	58	75	-	-	11·2	12·9
	Maldon ...	b	b	50	74	-	-	10·2	12·1
	Clacton-on-Sea	bc3	bc	58	67	-	-	10·5	12·4
	Dovercourt ...	bc	bc	57	69	-	-	12·0	13·7
	Lowestoft ...	b	b3,b	61	66	-	-	12·3	13·4
	Skegness ...	b	b	56	66	-	-	11·0	9·8
	Mablethorpe	bcb	bbc	55	64	-	-	10·3	11·0
	Cleethorpes...	b3	b	49	66	-	-	10·0	9·1
3	Leamington S.	bc	b	53	80	-	-	12·5	1·2
4	Cheltenham†	bcbbc	bcby	54	77	-	-	9·8	0·8
5	Bath	bcb	bbc	57	77	-	-	9·8	0·8
	Weymouth ...	cb	b	57	65	-	-	9·8	2·8
	Jersey ...	bc	bcc	59	75	-	-	7·0	5·5
	Torquay ...	Rrbc	bcbbc	55	64	15	-	7·1	0·0
	Penzance ...	rabc	cbc	54	63	3	-	2·5	0·0
	St. Ives ...	pacbc	c	52	66	1	0·3	5·6	0·0
	Bude	(p) bc	bc	53	72	0·5	0·1	3·6	0·0
	Ilfracombe ...	ocbc	bcc	56	73	6	-	3·6	0·4
6	Aberystwyth	circ	cbc	58	75	3	-	2·6	0·0
7	Llandudno ...	crbc	bc	56	77	0·4	0·2	4·2	0·7
	Colwyn Bay...	pcbc	bcb	58	77	0·3	-	4·2	0·5
	Rhyl	rcbc	bc	58	79	1	-	4·4	0·3
8	Wallasey ...	bbc	bc	58	78	0·3	-	5·6	0·8
	Southport‖ ...	bc	cbc	57	78	-	-	7·1	1·2
	Blackpool ...	cbc	bcc	58	77	-	-	9·0	0·2
	Morecambe ...	bbc	bcbcb	61	79	-	-	8·1	0·0
9	Ilkley... ...	b	b	50	78	1	-	10·4	0·7
10	Berwick-on-T.	cbc	bc	50	59	5	-	10·0	1·7
11	Dunbar ...	bcm	bc	53	71	2	-	9·7	0·1
12	Troon... ...	rbc	cbc	56	71	5	-	4·8	0·2
	Douglas ...	cm,cb	bccbr	52	71	10	-	4·2	0·0

x. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 4TH JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate southeasterly winds; fine, but slight risk of thunder; very warm inland.
5. S.W. England 6. South Wales	Light or moderate east or southeast winds; becoming cloudy; occasional rain or showers later, perhaps thunder; local coastal fog; warm.
7. North Wales 8. N.W. England 9. N Midlands 10. N.E England 11. S.E. Scotland	As 1 - 4.
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 southerly winds; fair; local coastal fog; warm.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S.W. Ireland	Light or moderate southerly winds; fair at first, cloudy with some rain later; local coastal fog; rather warm.

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. Haze.
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 Denmark and a depression in mid-Atlantic. A feeble secondary over the Bay of Biscay is spreading slowly North.

FURTHER OUTLOOK.

Mainly fine and warm in the East; rather less settled in the West.

RTB

Forecasts issued at 1230 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
SUNDAY,
4TH JUNE,
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

Sunday, 4th June 1933.

No. 26127

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

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	1017.4	0	SE'E	3	b	60	75	7	-	-	1	0	Tr.	-
	S. Farnborough	207	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018.2	-4	ESE	3	b	65	45	7	-	-	1	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1019.7	+6	SE'S	2	b	57	85	6	-	-	-	0	0	-
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1014.9	-4	E	3	b	61	85	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1015.2	+8	NE	1	c	55	95	7	4	7	-	4-6	7-8	4000
	Scilly (St. Mary's)	163	1015.1	+4	-	0	lf	56	95	5	5	-	-	10	10	1500
	Guernsey	175	1014.9	-4	-	0	bc	59	95	7	2	-	-	2-3	2-3	2500
6	Pembroke	142	1014.5	+12	SE	1	bc	55	95	7	5	7	-	2-3	4-6	2500
7	Holyhead	26	1015.0	+6	SSW	2	b	58	85	7	5	-	1	Tr.	Tr.	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1018.0	0	SSE	4	bc	68	85	7	5	1	-	2-3	4-6	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1017.8	0	S	2	bc	54	85	6	2	-	-	2-3	4-6	2500
11	Inchkeith	190	1016.5	0	SSE	1	c	58	85	7	4	5	-	4-6	7-8	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	84	1017.5	-6	SE	1	c	55	95	7	8	6	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015.8	0	SSW	3	c	53	95	8	8	6	8	7-8	9	2500
16	Lerwick	54	1017.4	+4	SSW	4	c	51	95	6	5	2	-	7-8	10	1500
17	Blacksod Point	18	1011.7	0	-	0	b	55	95	8	1	-	-	Tr.	Tr.	1500
18	Malin Head	52	1013.1	-12	-	0	bc	58	95	7	4	4	-	2-3	2-3	2500
	Aldergrove	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.6	0	S	2	b	56	85	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1018.2	0	E'N	3	b	67	88	7	-	-	-	0	0	-	1	*
1017.8	0	NE'N	2	b	68	88	7	-	-	-	0	0	-	0	*
1017.3	+2	E'S	1	b	65	88	6	-	-	-	0	0	-	0	*
1016.7	-2	E	2	b	67	68	8	-	-	-	0	0	-	0	*
1015.8	0	E	3	b	65	68	7	-	-	1	0	Tr.	-	0	*
1016.1	0	E'N	4	b	64	75	7	-	-	8	0	1	-	0	2
*	*	E	2	bc	*	*	6	-	1	*	0	2-3	-	*	0
1018.8	+2	ESE	3	b	67	88	8	-	-	-	0	0	-	0	*
1019.1	+6	SE'E	3	b	66	85	6	-	-	-	0	0	-	0	*
1019.3	+10	ENE	1	b	63	75	6	-	-	-	0	0	-	0	1
1020.4	+6	SE'E	2	b	60	75	6	-	-	-	0	0	-	0	2
1019.3	+6	E'S	2	b	62	75	7	-	-	-	0	0	-	0	*
1018.3	+4	ENE	2	b	64	85	7	-	-	1	0	Tr.	-	0	*
1017.6	+6	ESE	3	b	65	85	6	-	-	1	0	Tr.	-	0	*
1017.6	0	E'N	2	b	63	85	7	-	-	1	0	1	-	0	*
1015.0	-4	NE	4	b	62	85	7	-	-	-	0	0	-	0	3
1014.2	-4	-	0	bc	59	95	7	-	3	1	0	2-3	-	1	0
1014.1	-4	NE'E	1	bc	60	85	7	7	4	-	2-3	2-3	4000	1	1
1014.5	-4	ENE	1	bc-	55	95	3	5	-	-	4-6	4-6	<150	1	1
1014.1	-2	-	0	bc	64	75	7	7	1	-	2-3	4-6	2500	0	2
1015.5	-4	ENE	2	bc	59	95	6	5	4	1	1	2-3	4000	0	1
1016.2	+2	ESE	1	bc	63	85	6	-	-	1	0	2-3	-	1	0
1017.6	+6	SE	2	3o	62	75	6	-	4	1	0	2-3	-	0	*
1017.6	0	SE'S	3	b	65	85	7	-	-	1	0	Tr.	-	0	*
1018.6	+6	SSE	1	b	62	85	6	-	-	1	0	Tr.	-	0	*
1018.3	+2	SE	2	3o	59	95	6	-	1	8	0	2-3	-	0	1
1019.4	+6	S'E	2	b	59	75	7	-	-	1	0	Tr.	-	0	*
1018.4	+4	S	2	bc	56	75	6	4	-	-	2-3	2-3	4000	0	1
1017.0	+8	NE	2	bc	58	75	7	5	-	9	2-3	4-6	2500	0	2
1017.3	+6	SE	1	b	55	85	6	-	-	1	0	1	-	0	*
1015.8	+4	E	2	3o	63	75	5	-	3	-	0	Tr.	-	1	*
1017.3	+4	-	0	b	64	65	8	-	4	-	0	Tr.	-	1	*
1013.5	+12	SSE	4	c	57	85	6	5	3	-	2-3	9+	4000	0	2
1011.8	-4	-	0	c	58	95	6	8	6	-	4-6	10	1500	1	0
1015.8	-2	S	1	b	62	65	8	4	-	-	1	2500	0	*	1
1017.1	+2	SSE	1	bc	59	75	6	-	9	-	0	4-6	-	0	1
1015.6	-2	SSW	2	bc	53	95	7	5	-	9	2-3	2-3	2500	0	2
1016.2	-6	SSW	3	bc	51	95	6	5	-	-	4-6	4-6	1500	0	*
1013.0	+6	W	1	c	57	95	8	5	-	-	7-8	7-8	450	0	2
1013.8	+16	S'W	2	bc	63	85	7	4	-	-	2-3	2-3	2500	0	0
1014.6	+4	SSE	2	3o	62	75	7	-	-	4	0	1	-	1	*
1017.1	+6	S	1	bc	56	85	8	7	-	1	1	2-3	2500	0	1
1013.8	+8	S	1	c	56	95	8	-	-	8	0	7-8	-	1	*
1013.4	+4	SE'S	2	bc	60	85	8	8	-	-	4-6	4-6	1500	1	1
1014.3	+6	SW	3	f	55	95	3	5	-	-	10	10	<150	1	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 3rd Hrs. (36)
80	58	43	-	-	13.1
81	56	49	-	-	13.3
77	48	36	-	-	13.2
75	50	43	-	-	12.9
75	53	45	-	-	10.7
69	58	48	-	-	10.9
71	55	*	-	-	*
75	59	56	-	-	14.0
73	49	37	-	-	13.2
67	57	52	-	-	13.8
63	56	51	-	-	13.9
80	47		-	-	12.9
77	56	39	-	-	12.7
78	53	42	-	-	*
77	51	42	-	-	10.0
61	57	*	-	-	*
68	53	46	0.4	Tr.	6.1
62	55	*	1	-	*
62	51	*	2	Tr.	6.8
73	57	53	2	1	7.8
68	53	*	0.4	-	3.7
73	55	50	-	-	6.0
78	50	45	-	-	5.0
76	58	55	Tr	-	6.2
76	50	48	-	-	12.2
63	54	*	-	Tr.	12.7
76	46	42	-	-	13.3
66	52	46	-	-	*
68	54	47	-	-	7.9
69	45	38	-	-	7.4
74	52	46	0.3	-	2.7
73	49	43	-	-	10.5
62	55	52	0.1	-	0.0
60	51	*	2	0.3	0.5
68	49	39	-	-	3.3
66	51	46	-	-	4.5
59	50	*	-	-	*
53	50	*	-	Tr.	4.4
63	53	*	Tr	0.4	*
67	54	*	Tr	-	0.8
68	55	50	Tr	-	3.2
65	52	*	-	-	*
69	53	41	0.6	-	1.7
62	50	44	0.1	Tr.	1.5
66	51	*	7	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	bcy	bcy	by	80	58	43	-	-	13.1	*	*	9
Croydon	217	bcy	⊕bcy	byb	81	56	49	-	-	13.3	*	*	8
Greenwich (Royal Observatory)	149	bcy	bcy	by	81	51	38	-	-	13.1	31	48	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	13.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	79	61	54	-	-	13.3	28	35	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	82	57	51	-	-	13.1	41	43	
Camden Square	110			*						*			*
Kensington	80	bc	bc	*	80	56	46	-	-	13.2	At 18h. 41		*
Hampstead Observatory	450	bc	b	*	78	59	53	-	-	12.8	36 *	48	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 3rd June

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.4	ESE	3	bc	77
Brussels	1017.8	ENE	3	b	77
Berlin	1022.8	?	3	bc	64
Zürich	1018.3	ENE	3	b	70
Rome	1015.2	N	4	c	75

7h. G.M.T. 4th June

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1017.8	E	2	b	64
1020.3	ESE	3	b	68
1028.7	ESE	4	b	54
1020.0	NNE	1	b	55

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
81	54	-	-
81	59	-	-
73	43	-	-
75	48	-	-
79		-	

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	7+8h 3rd	nil	9-20h 3rd

Kew Observatory. Max.	Time.	Min.	Time.
0.1	4h-5h 4th	<0.1	11h-18h 3rd

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; 5/6 per quarter; 20/- 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 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 5th. June 1933.

No. 26,128

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

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)	1016.9	-8	S'E	3	b	82	25	9	-	-	1	0	Tr	-
	Croydon	1017.2	-4	ESE	4	b	79	35	8	-	-	1	0	Tr	-
	S. Farnborough	1016.3	-8	SE'E	4	b	82	35	8	-	8	-	0	Tr	-
	Winchester	1015.9	-6	SE	4	bc	81	35	8	-	-	4	0	2-3	-
	Boscombe Down	1015.4	-4	SE	5	bc	81	35	7	-	-	5	0	2-3	-
	Calshot, S'thmtn	1016.2	-2	ESE	4	bc	67	75	7	-	-	5	0	2-3	-
	Dungeness	*	*	NE	2	b	*	*	6	-	-	*	0	0	-
	Lympne	1018.2	-2	E'S	3	b	77	45	7	-	-	-	0	0	-
2	Shoeburyness	1018.3	-2	E'S	5	b	72	65	6	-	-	1	0	1	-
	Felixstowe	1019.1	-2	ENE	3	bc	67	65	7	-	-	2	0	2-3	-
	Gorleston	1019.9	-4	SE	2	b	63	75	6	-	-	5	0	1	-
	Cranwell	1017.7	-10	SE'E	4	b	82	35	8	-	-	-	0	0	-
3	Birmingham	1016.5	-6	SSE	3	b	80	35	8	-	-	-	0	0	-
	Upper Heyford	1016.4	-10	SE	2	b	82	35	8	-	-	1	0	Tr	-
4	Ross-on-Wye	1015.1	-6	SE	3	b	80	35	8	-	-	1	0	1	-
5	Portland Bill	1014.7	-4	ENE	3	bc	62	85	7	4	-	1	2-3	2-3	2500
	Plymouth	1013.5	-2	E	4	c	70	65	8	-	-	6	0	7-8	-
	The Lizard	1012.5	-4	NE	3	bc	63	85	7	4	4	-	4-6	4-6	4000
	Scilly (St. Mary's)	1012.9	-10	N	3	F	57	95	1	5	-	-	10	10	<150
	Guernsey	1013.8	-2	SE	2	bc	73	45	Y8	8	-	-	4-6	4-6	4000
6	Pembroke	1014.0	-4	SSE	1	bc	72	85	6	5	3	1	4-6	~~4-6~~ 7-8	2500
7	Holyhead	1015.3	-8	NW	2	b	63	75	7	1	-	1	Tr	1	2500
	Chester (Sealand)	1016.1	-12	SE'E	3	b	81	35	6	-	-	1	0	Tr	-
8	L'pool (Bidston)	1016.1	-6	SE	3	b	79	25	8	-	-	-	0	0	-
9	Harrogate	1017.3	-6	SSW	3	b	79	35	8	-	-	1	0	Tr	-
10	Spurn Head	1018.6	-2	SE'E	4	bc	63	75	6	5	-	-	2-3	2-3	1500
	Catterick	1017.3	-12	SSE	3	b	79	45	8	-	-	2	0	1	-
	Tynemouth	1017.5	-8	SSE	2	bc	62	65	6	2	-	1	4-6	4-6	2500
11	Inchkeith	1016.3	-8	~~SSE~~ NE	2	bc	62	75	7	5	4	-	2-3	4-6	2500
12	Leuchars	1016.4	-2	E	2	3o	69	65	6	-	4	1	0	1	-
	Renfrew (Abbotsl)	1015.3	0	SW'W	3	b	76	55	7	-	3	-	0	Tr	-
	Eskdalemuir	1015.6	-4	SW	4	b	77	45	8	1	-	1	Tr	1	4000
13a	Tiree	1014.0	-2	SSE	4	3o	67	75	6	-	4	-	0	Tr	-
13b	Stornoway	1011.8	+2	SSW	4	bc	65	65	8	1	4	-	1	2-3	2500
15	Dalwhinnie §	1014.7	-2	S	2	bc	75	45	8	4	-	-	2-3	2-3	2500
	Aberdeen	1016.6	+2	SE	4	b	65	65	7	-	9	-	0	1	-
	Wick	1015.1	-2	S	2	bc	60	85	7	5	1	-	1	2-3	4000
16	Lerwick	1016.2	-12	S	3	bc	54	85	6	5	-	-	2-3	2-3	2500
17	Blacksod Point	1012.3	-4	-	0	bc	60	75	8	-	4	5	0	4-6	-
18	Malin Head	1013.0	-8	S'E	3	b	74	65	7	2	-	-	1	1	2500
	Aldergrove	1014.5	-2	SE	3	bc	74	55	8	1	4	1	Tr	2-3	4000
	Donaghadee	1015.3	-2	S	1	bc	69	75	6	7	3	1	1	2-3	2500
19	Birr Castle	1013.6	-6	S	2	c	73	55	8	-	5	-	0	7-8	-
20	Valentia Obsy.	1013.2	-6	SSE	4	c	62	75	8	7	7	-	4-6	9	1500
	Roches Point	1014.3	+2	SE	3	c	59	95	6	3	-	-	9	9	1500

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

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)	1016.1	-6	SSE	3	bc	81	35	8	-	-	6	6	2-3	-	0	*
	Croydon	1016.0	-2	SE'E	3	b	78	35	8	-	-	1	0	1	-	0	*
	S. Farnborough	1015.7	-2	SE	3	bc	79	35	8	-	-	1	0	2-3	-	0	*
	Winchester	1015.7	0	ESE	3	c	76	45	8	-	-	2	0	3	-	0	*
	Boscombe Down	1015.2	+2	SE'E	3	c	74	45	8	-	-	6	0	7-8	-	0	*
	Calshot, S'thmtn	1015.2	-4	E'S	3	bc	67	75	7	-	-	6	0	4-6	-	0	1
	Dungeness	*	*	NE'E	5 2	b	*	*	6	-	1	*	0	Tr	-	0	1
	Lympne	1017.1	-4	ENE	2	b	74	45	8	-	-	-	0	0	-	0	*
2	Shoeburyness	1017.2	-6	E'S	4	b	69	55	7	-	-	1	0	Tr	-	0	*
	Felixstowe	1018.2	-4	NE'E	3	b	65	65	8	-	-	-	0	0	-	0	1
	Gorleston	1018.9	-6	E	3	bc	63	75	6	-	7	-	0	2-3	-	0	2
	Cranwell	1016.3	-8	SE'E	4	b	78	45	8	-	-	1	0	Tr	-	0	*
3	Birmingham	1015.4	-4	SSE	3	bc	79	35	8	-	-	4	0	4-6	-	0	*
	Upper Heyford	1015.5	-4	SSE	2	bc	77	45	8	-	-	2	0	4-6	-	0	*
4	Ross-on-Wye	1014.8	-4	SE'S	2	c	77	45	8	-	-	6	6	7-8	-	0	*
5	Portland Bill	1014.0	-6	E	3 2	bc	60	85	7	4	-	2	2-3	4-6	2500	0	3
	Plymouth	1013.8	+4	E	4 5	b c	70	65	8	-	-	2	0	8	-	0	1
	The Lizard	1013.2	+4	ENE	2	bc	62	75	7	7	7	-	2-3	4-6	4000	0	2
	Scilly (St. Mary's)	1012.4	0	ESE	2	c	61	95	6	5	7	-	2-3	7-8	4000	1	1
	Guernsey	1013.7	0	SE	2	bc	74	45	8	8	1	1	4-6	4-6	2500	0	2
6	Pembroke	1012.6	-8	SE	3	bc	69	65	7	-	7	9	0	4-6	-	0	1
7	Holyhead	1014.0	-6	-	0	c	72	65	8	-	8	8	0	7-8	-	1	0
	Chester (Sealand)	1014.7	-6	SE'S	2	c	79	45	7	-	6	6	0	7-8	-	0	*
8	L'pool (Bidston)	1014.6	-6	SE'S	3	bc	80	35	8	-	-	6	0	4-6	-	0	*
9	Harrogate	1016.0	-6	S'E	2	b	79	35	7	-	-	1	0	Tr	-	0	*
10	Spurn Head	1017.3	-2	SE	5	bc	62	75	6	-	1	-	0	2-3	-	0	3
	Catterick	1015.9	-6	ESE	3	b	77	55	7	-	-	1	0	Tr	-	0	*
	Tynemouth	1016.3	-8	SSE	2	bc	61	75	6	5	-	-	4-6	4-6	800	0	1
11	Inchkeith	1015.4	-16	NE	2	b	71	55	8	1	-	-	Tr	Tr	4000	0	2
12	Leuchars	1015.4	-4	N	1	b	71 6	75	8	-	-	1	0	Tr	-	0	*
	Renfrew (Abbotsl)	1014.6	-2	SW	2	b	75	55	7	-	-	1	0	Tr	-	0	*
	Eskdalemuir	1014.9	-4	SSW	2	b	76	45	8	-	-	-	0	0	-	0	*
13a	Tiree	1012.9	-16	SE	4	bc	67	75	8	-	4	5	0	2-3	-	0	2
13b	Stornoway	1011.3	-4	SSW	3	bc	66	65	7	1	4	-	1	2-3	2500	1	2
15	Dalwhinnie §	1014.3	0	S	2	bc	75	55	8	4	-	-	2-3	2-3	2500	0	*
	Aberdeen	1015.8	0	S	4	b	68	45	7	-	-	1	0	Tr	-	0	1
	Wick	1014.8	-2	S	2	bc	64	75	7	5	-	-	2-3	2-3	4000	0	2
16	Lerwick	1015.9	0	S	3	b	53	95	6	-	-	-	0	0	-	0	*
17	Blacksod Point	1011.4	-2	S	1	bc	60	85	8	-	-	7	0	4-6	-	0	1
18	Malin Head	1012.6	-10	S'E	3	c	74	75	8	4	9	9	1	9+	5700	0	1
	Aldergrove	10131	-10	SE	4	c	73	65	8	-	-	4	0	7-8	-	0	*
	Donaghadee	1014.1	-8	S	1	bc	64	75	7	5	3	1	2-3	4-6	2500	0	0
19	Birr Castle	1011.8	-10	SE	1	c	73	65	8	-	-	8	0	7-8	-	0	*
20	Valentia Obsy.	1012.7	-6	S'E	3	bc	62	75	8	1	3	3	Tr	4-6	2500	1	1
	Roches Point	1012.9	-10	SW	3	f	56	95	3	5	-	-	10	10	<150	0	3b

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 4th. (37)	13h.–18h. 4th. (38)	18h. 4th to 1h. 5th. (39)	1h.–7h. 5th. (40)
1	London (Kew)	by	by	bbc by	bm.
	Croydon	by	by	b	b
	S. Farnborough	by	bbcy	bcyb	bw b3.
	Winchester	by	bcy	cyb	b
	Boscombe Down	by	bccy	cybc	b
	Calshot, S'thmtn	b	bbc		b
	Dungeness	b	b	*	b
	Lympne	by	by	by	by
2	Shoeburyness	bm.	bm.	bbw	bw m.
	Felixstowe	b3o	b	b	b
	Gorleston	b3 3o	bbc3o	bc3o b	b3.
	Cranwell	by	by	by b	b
3	Birmingham	b	bbc	b	b
	Upper Heyford	bm. by	bbcy	bcyb	bm.
4	Ross-on-Wye	by	bybcycy	cybcyb	bmw
5	Portland Bill	bbc	bc	bc b	b
	Plymouth	bcyc	cy	cb	bw
	The Lizard	bcc	cbc	bcc	cw
	Scilly (St. Mary's)	cffff	fffc	com.	§§ c3c
	Guernsey	bc	bc	bc	bcb
6	Pembroke	bbc3o	bc3obc	bcc	cm.
7	Holyhead	bcm. ~~cb~~	bbcc	bc	cb
	Chester (Sealand)	bc3ob	bbc	cb	wbbc m.
8	L'pool (Bidston)	by	by	bcyby	bc
9	Harrogate	b	b	b	b
10	Spurn Head	bc	bc	bcw	bc
	Catterick	bby	by	by	bw
	Tynemouth	bc	bc	bc	~~bc~~ bc
11	Inchkeith	bc	bcb	bbc	bcc
12	Leuchars	bwm3oy	bc3oyb	bbwm.	bbcwm.
	Renfrew (Abbotsl)	~~bc~~ 3oby	by	byb	bbccw
	Eskdalemuir	by	by	bybcw	bcw
13a	Tiree	cb3o	b3ob	bbcc	cir.
13b	Stornoway	cb	bbc	bcc	c
15	Dalwhinnie §	b	b	•	b
	Aberdeen	bcb3oy	by	b	bwb
	Wick	bc	bc	bcm.	bcm.
16	Lerwick	bc3o	bcb3o	bbc3o	bc3.
17	Blacksod Point	bc	bc	cbc	c
18	Malin Head	bc	bcc	c	c
	Aldergrove	b3ob	bbcy	bcc	c
	Donaghadee	b3o	bbc	bc	bcc
19	Birr Castle	cy	c	c	c
20	Valentia Obsy.	bcc	cbc	bc ~~cv~~	cbcwbc
	Roches Point	offec	coff	offbcw	bccw

§ The observations entered in 18h Section (Col. 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$_{oo}$, 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.*

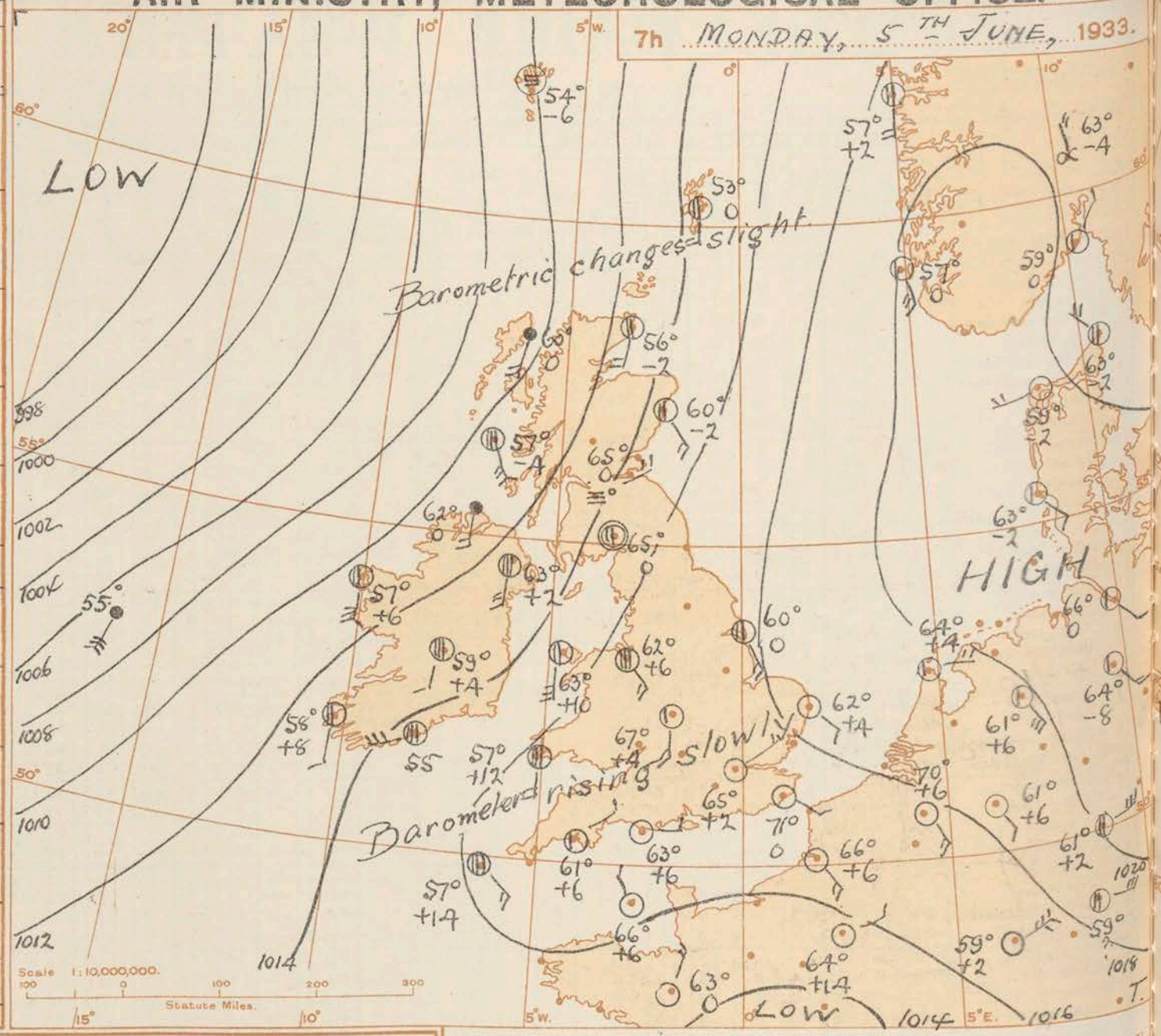
REPORTS from HEALTH RESORTS for 4th. June 1933.

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.	b	b	53	83	–	–	12.5	13.6
	Bournemouth	b	b	53	79	–	–	11.7	10.2
	Ventnor ...	bz	bz	61	71	–	–	12.0	11.8
	Southsea ...	b	b	59	78	–	–	12.3	12.3
	Bognor Regis	b	b	61	71	–	–	12.1	11.4
	Littlehampton	b	bc	61	75	–	–	12.5	12.8
	Worthing ...	b	b	61	73	–	–	12.5	11.8
	Brighton ...	b	b	61	79	–	–	12.5	12.5
	Eastbourne†	b	b	56	~~79~~ 69	–	–	12.6	13.1
	Hastings† ...	b	b	62	78	–	–	13.0	13.6
	Folkestone ...	b	b	59	73	–	–	12.2	13.8
	Dover... ...	yb	by	57	75	–	–	12.6	14.3
	Deal	b	b	58	70	–	–	12.5	13.8
	Ramsgate ...	b	b	59	68	–	–	12.5	13.4
	Margate ...	bcb	b	59	74	–	–	12.7	14.5
2	Southend ...	b	b	59	~~77~~	–	–	12.4	13.5
	Maldon ...	b	b	~~57~~	77	–	–	12.0	12.4
	Clacton-on-Sea	bbc	b	59 49	68	–	–	12.0	12.9
	Dovercourt ...	b	b	57	70	–	–	12.3	13.6
	Lowestoft ...	b	b	56	69	–	–	12.7	14.3
	Skegness ...	b	b	57	68	–	–	12.4	13.2
	Mablethorpe	b	b	50	67	–	–	12.1	12.6
	Cleethorpes ...	bz	b	52	72	–	–	12.0	12.0
3	Leamington S.	b	b	50	83	–	–	12.7	14.0
4	Cheltenham†	bzob	bbcq	54	82	–	–	11.8	11.5
5	Bath	b	bbc	53	82	–	–	12.2	10.5
	Weymouth ...	b	b	56	70	–	–	11.8	9.8
	Jersey ...	b	bbc	60	79	–	–	12.0	7.0
	Torquay ...	b	bbc	54	68	–	–	11.3	8.0
	Penzance ...	bcb	bcb	53	73	–	–	9.8	3.1
	St. Ives ...	mocbc	b	54	68	–	–	6.2	6.6
	Bude	bbc	bc	54	81	–	–	11.3	5.3
	Ilfracombe ...	b	b	58	80	–	–	10.7	3.8
6	Aberystwyth	bcb	bbc	57	83	–	–	11.3	3.2
7	Llandudno ...	b	b	58	84	–	–	12.1	5.2
	Colwyn Bay...	bbc	bcbc	60	84	–	–	11.8	5.1
	Rhyl	b	b	55	86	–	–	12.3	5.6
8	Wallasey ...	b	b	60	84	–	–	12.2	6.6
	Southport‖ ...	b	bc	57	84	–	–	12.0	8.2
	Blackpool ...	bcb	bbc	59	82	–	–	12.3	9.4
	Morecambe ...	b	b	60	84	–	–	12.2	9.7
9	Ilkley... ...	b	b	48	83	–	–	11.3	11.0
10	Berwick-on-T.	b	b	48	64	–	–	11.6	11.9
11	Dumbar ...	b	b	56	85	–	–	11.9	11.5
12	Troon... ...	wbc	bccbc	58	70	–	–	12.0	6.5
	Douglas ...	bc	bc	55	74	–	–	12.1	6.2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 5TH JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th. June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light variable or southeast wind; fine; very warm.
5. S.W. England 6. South Wales 7. North Wales	Light variable or southerly wind; variable skies, perhaps local thunder showers; warm.
8. N.W. England 9. N Midlands 10. N.E England 11. S.E. Scotland	Light or moderate south or southeast wind; fine; very warm.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N W. Scotland	Light or moderate southerly wind; variable cloud, local showers; warm.
14. Mid-Scotland 15. N.E. Scotland	As 8 - 11.
16. Orkneys and Shetlands.	Light or moderate south wind; fair; local mist; warm.
17. N.W. Ireland 18. N.E. Ireland	As 8 - 11.
19. S.E. Ireland 20 S.W. Ireland	As 5 - 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. Thunder. Thunderstorm. Haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression centred off Southwest Iceland is almost stationary, while a belt of high pressure crosses Southern England from the Bay of Biscay to North Germany. Weather will be warm and mainly fine but thunderstorms may occur locally in western districts.

FURTHER OUTLOOK.

Little change.

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
MONDAY,
5TH. JUNE,
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 5th. June 1933.

No. 36128

OBSERVATIONS at 1 hr. G.M.T. 5th. June

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	1016.9	-4	-	0	bc	58	75	8	-	-	2	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017.3	+2	E	3	b	59	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.6	-4	SE'E	2	b	59	86	7	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015.8	+2	E	3	b	58	85	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1014.8	0	SSW	2	c	57	95	7	5	7	-	2-3	7-8	4000
	Scilly(St.Mary's)	163	1014.0	+4	S	3	o	57	95	5	5	-	-	10	10	1500
	Guernsey ...	175	1015.7	-8	WNW	1	bc	60	85	8	7	-	-	4-6	4-6	4000
6	Pembroke ...	142	1014.3	+4	SE	2	bc	58	85	7	5	7	-	4-6	4-6	2500
7	Holyhead ...	26	1014.5	+2	S'W	2	c	61	75	8	5	-	8	7-8	9	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.3	+2	SSE	3	bc	58	95	6	-	1	1	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	190	1016.9	0	S	2	bc	55	85	7	5	-	-	2-3	2-3	1500
11	Inchkeith ...	190	1015.3	-2	SE	2	bc	64	75	8	5	-	-	4-6	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotsl)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	84	1010.2	-10	-	0	c	55	95	6	8	6	-	4-6	9	1500
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014.9	-6	SW	1	3o	51	95	6	5	1	8	2-3	2-3	2500
16	Lerwick ...	54	1015.6	-4	S	2	bc	51	95	6	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1010.6	-4	S	3	c	55	85	7	5	-	-	7-8	7-8	450
18	Malin Head ...	52	1011.4	-6	N	1	c	58	95	8	4	1	-	9	10	5700
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.3	-6	S	2	bc	56	95	8	7	-	-	4-6	4-6	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 5th. June

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)...	1017.5	+4	E	2	b	67	65	6	-	-	-	0	0	-	0	*
	Croydon ...	1017.1	+2	NE	1	3o	65	75	6	-	-	-	0	0	-	0	*
	S. Farnborough	1016.8	+2	E	1	b	65	75	6	-	-	-	0	0	-	0	*
	Winchester ...	1016.6	+8	N'E	1	b	66	66	7	-	-	1	0	Tr.	-	0	*
	Boscombe Down	1016.2	+8	ENE	1	b	66	65	7	-	-	1	0	Tr.	-	0	*
	Calshot,(S'thmtn)	1016.2	+4	NE	1	b	65	65	7	-	-	-	0	0	-	0	0
	Dungeness ...	*	*	NE'E	2	b	*	*	6	-	-	*	0	0	-	*	1
	Lympne ...	1017.2	0	SE'E	1	b	71	55	7	-	-	-	0	0	-	0	*
2	Shoeburyness	1017.8	+4	ENE	2	b	66	75	6	-	-	-	0	0	-	0	*
	Felixstowe ...	1017.8	+4	NE	1	b	65	was 75	7	-	-	-	0	0	-	0	0
	Gorleston ...	1018.4	+4	ESE	1	b	62	75	7	-	-	-	0	0	-	0	1
	Cranwell ...	1017.8	+4	SE	2	b	61	85	7	-	-	1	0	1	-	0	*
3	Birmingham ...	1017.2	+4	S	2	b	67	55	8	-	-	1	0	1	-	0	*
	Upper Heyford	1017.1	+10	-	0	b	67	65	6	-	-	1	0	Tr.	-	0	*
4	Ross-on-Wye ...	1016.5	+4	NW	1	3o	62	85	7	-	-	1	0	1	-	0	*
5	Portland Bill...	1016.1	+6	E	1	b	63	85	7	-	-	-	0	0	-	0	2
	Plymouth ...	1016.5	+12	NE	1	b	61	75	8	-	3	1	0	1	-	0	0
	The Lizard ...	1016.2	+12	SE	2	c	59	95	7	8	6	-	4-6	9+	2500	0	2
	Scilly(St.Mary's)	1015.7	+14	SE	2	c	57	95	7	5	-	-	9+	9+	4000	0	1
	Guernsey ...	1016.0	+6	NNW	1	b	66	75	7	-	-	-	0	0	-	0	2
6	Pembroke ...	1015.0	+12	S	2	c	57	95	6	8	-	-	9+	9+	2500	0	1
7	Holyhead ...	1015.1	+10	SW	3	bc	63	75	8	-	3	8	0	4-6	-	1	2
	Chester (Sealand)	1016.2	+6	SE	2	3o	62	75	6	-	-	6	0	7-8	-	0	*
8	L'pool (Bidston)	1015.9	+4	SE	3	bc	66	65	7	-	-	2	0	4-6	-	0	*
9	Harrogate ...	1017.3	0	SSE	2	bc	65	65	6	-	-	2	0	2-3	-	0	*
10	Spurn Head ...	1017.7	0	SE'S	2	bc	66	85	6	5	1	-	2-3	4-6	2500	0	1
	Catterick ...	1017.4	+4	SSE	2	b	60	75	7	-	-	2	0	1	-	0	*
	Tynemouth ...	1017.1	0	S	2	bc	62	75	6	4	-	-	4-6	4-6	4000	1	1
11	Inchkeith ...	1015.4	+2	NE	1	c	61	75	7	4	-	9	4-6	9	2500	0	2
	Leuchars ...	1015.8	+4	NE	1	bc	57	85	6	-	-	6	0	4-6	-	0	*
12	Renfrew(Abbotsl)	1014.2	0	NE'E	2	m	65	75	4	5	-	1	7-8	9	5700	0	*
	Eskdalemuir ...	1015.3	0	-	0	bc	65	65	8	-	-	2	0	4-6	-	0	*
13A	Tiree	1010.9	-4	SE'S	4	c	57	85	7	6	7	-	7-8	10	2500	0	2
13B	Stornoway	1009.0	0	SSW	2	pr	60	75	7	4	7	-	4-6	9+	1500	1	1
15	Dalwhinnie	1013.7	-2	S	1	bc	60	65	8	4	1	-	1	4-6	4000	0	*
	Aberdeen ...	1015.2	-2	SE	2	bc	60	75	7	-	-	8	0	2-3	-	0	1
	Wick	1013.6	-2	SSW	2	bc	56	95	7	5	1	8	4-6	4-6	4000	0	2
16	Lerwick ...	1014.6	0	S	2	bc	53	95	6	5	1	-	2-3	4-6	2500	0	*
17	Blacksod Point	1010.6	+6	S	4	bc	57	85	8	2	4	-	2-3	4-6	450	0	3
18	Malin Head ...	1011.3	0	S	2	pr	62	95	7	8	7	-	7-8	10	2500	0	0
	Aldergrove ...	1012.8	+2	S	3	c	63	65	8	5	7	-	7-8	9+	4000	0	*
	Donaghadee ...	1014.2	+8	SSE	2	c	57	85	8	5	-	-	7-8	7-8	1500	0	1
19	Birr Castle ...	1012.5	+4	S	1	c	59	95	8	5	-	-	7-8	7-8	2500	0	*
20	Valentia Obsy.†	1013.6	+8	S'E	1	bc	58	85	8	2	-	2	2-3	4-6	1500	0	1
	Roches Point...	1014.3	+10	W	3	c	55	95	8	3	-	-	7-8	7-8	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 4th Hrs (36)
1	London (Kew)...	84	56	44	-	-	14.4
	Croydon ...	82	53	47	-	-	15.0
	S. Farnborough	83	48	36	-	-	14.3
	Winchester ...	81	51	43	-	-	13.3
	Boscombe Down	81	56	46	-	-	12.9
	Calshot,(S'thmtn)	69	58	51	-	-	12.3
	Dungeness ...	*	55	*	-	-	*
	Lympne ...	78	56	51	-	-	15.3
2	Shoeburyness	73	51	41	-	-	14.1
	Felixstowe ...	68	59	50	-	-	14.9
	Gorleston ...	65	58	52	-	-	14.6
	Cranwell ...	85	51	44	-	-	14.5
3	Birmingham ...	82	58	43	-	-	13.5
	Upper Heyford	82	54	44	-	-	*
4	Ross-on-Wye ...	81	52	44	-	-	12.4
5	Portland Bill...	63	55	*	-	-	*
	Plymouth ...	73	53	48	-	-	11.0
	The Lizard ...	68	55	*	-	-	*
	Scilly(St.Mary's)	61	56	*	-	-	1.6
	Guernsey ...	75	59	51	-	-	11.4
6	Pembroke ...	73	54	*	-	-	11.7
7	Holyhead ...	72	58	51	-	-	13.3
	Chester (Sealand)	84	50	43	-	-	12.7
8	L'pool (Bidston)	83	60	57	-	-	11.7
9	Harrogate ...	81	52	46	-	-	14.0
10	Spurn Head ...	64	55	*	-	Tr.	14.5
	Catterick ...	80	47	42	-	-	14.5
	Tynemouth ...	64	54	46	-	-	*
11	Inchkeith ...	73	60	53	-	-	14.2
	Leuchars ...	74	48	40	-	-	14.3
12	Renfrew(Abbotsl)	78	52	48	-	-	14.1
	Eskdalemuir ...	79	51	46	-	-	14.5
13A	Tiree	68	53	53	-	0.1	11.6
13B	Stornoway	68	54	*	-	Tr.	11.8
15	Dalwhinnie	77	54	48	-	-	15.4
	Aberdeen ...	72	53	46	-	-	13.8
	Wick	64	50	*	-	-	*
16	Lerwick ...	55	49	*	-	-	15.0
17	Blacksod Point	62	54	*	-	-	*
18	Malin Head ...	78	56	*	-	Tr.	12.2
	Aldergrove ...	75	61	56	-	-	13.7
	Donaghadee ...	72	53	*	-	-	*
19	Birr Castle ...	74	55	49	-	-	9.5
20	Valentia Obsy.†	65	55	50	-	Tr.	7.0
	Roches Point...	60	53	*	-	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.
Kew	18	by	by	bbcym	84	56	44	-	-	14.4	*	*	6
Croydon	217	by	by	b	82	53	47	-	-	15.0	*	*	6
Greenwich (Royal Observatory) ...	149	by	by	byby3o	86	53	41	-	-	14.6	38	60	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	14.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	84	61	55	-		14.3		46	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	85	57	51	-	-	13.8	38	49	
Camden Square	110	b	b	*	88	56		*	*	*	*	53	*
Kensington	80	bx	bb	*	84	56	46	-	-	14.7	At 18h.	50	*
Hampstead Observatory	450	b	b	b	83	57	47	-	-	14.3	34 *	56	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 4th. June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th. June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.1	E	2	b	79	1015.7	ENE	1	b	64
Brussels						1017.8	SE	2	b	70
Berlin	1023.7	ENE	1	b	68	1020.0	-	0	bc	66
Zürich	1016.7	ENE	3	b	72	1016.2	NW	1	b	57
Rome						1017.5	NE'N	2	c	61

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.3	3-6h 5th	nil	10-21h 4th

Kew Observatory. Max.	Time.	Min.	Time.
1.0	5h 5m	0.1	12h 4m

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
82	54	-	-
72	57	-	-
81	50	-	-
	50		

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/s.
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.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/8 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.

† Hr. observations are from Valentia W/T station ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h. § The periods 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 6th June 1933.

No. 26129

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

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)	1016.6	-.8	S	2	b	83	35	8	1	-	-	1	1	4000
	Croydon	1016.2	-.8	S'E	2	b	83	35	8	1	-	-	Tr	Tr	4000
	S. Farnborough	1016.3	-.6	E'S	2	b	85	35	8	1	-	-	Tr	Tr	5700
	Winchester	1016.5	-.2	SSE	3	b	82	45	7	1	-	-	1	1	4000
	Boscombe Down	1016.0	-.2	S	2	b	82	35	8	1	-	-	Tr	Tr	4000
	Calshot, S'thmtn	1016.7	-.2	E'S	2	b	71	65	8	-	-	-	0	0	-
	Dungeness	*	*	NE'E	1	b	*	*	6	-	-	-	0	0	-
	Lympne	1017.5	-.2	ESE	2	b	78	45	8	2	-	-	Tr	Tr	5700
2	Shoeburyness	1017.6	-.2	E	2	b	75	55	6	-	-	-	0	0	-
	Felixstowe	1017.9	0	E'N	3	b	66	75	6	-	-	-	0	0	-
	Gorleston	1018.3	0	SE'E	2	b	63	75	6	-	-	-	0	0	-
	Cranwell	1016.6	-.6	SSE	3	b	84	35	7	-	-	1	0	1	-
3	Birmingham	1016.4	0	S	2	b	81	35	8	1	-	1	Tr	1	4000
	Upper Heyford	1016.5	-.2	SSW	1	bc	83	35	8	1	-	1	Tr	2-3	2500
4	Ross-on-Wye	1016.1	0	SSW	2	b	80	45	8	1	-	1	Tr	1	5700
5	Portland Bill	1018.0	0	NW	1	b	70	75	7	-	-	-	0	0	-
	Plymouth	1016.7	-.2	SSW	2	b	66	75	8	-	-	-	0	1	-
	The Lizard	1017.0	0	-	0	bc	65	75	8	7	4	-	1	2-3	4000
	Scilly (St. Mary's)	1017.1	+.4	S'W	2	bc	63	85	8	1	4	3	Tr	4-6	4000
	Guernsey	1016.5	0	N	2	b	72	65	7	-	-	-	0	0	-
6	Pembroke	1017.2	+.2	SW	1	c	62	85	7	5	7	-	4-6	9	4000
7	Holyhead	1016.7	+.0	SW	4	c	62	85	7	5	-	9	2-3	7-8	450
	Chester (Sealand)	1015.7	-.2	SSE	3	bc	80	45	8	-	-	2	2-3	4-6	4000
8	L'pool (Bidston)	1015.9	0	NW	2	bc	76	55	7	-	-	1	2-3	4-6	5700
9	Harrogate	1015.9	-.6	SSW	2	bc	80	65	7	-	-	2	0	2-3	-
10	Spurn Head	1017.1	0	SE	4	bc	66	65	7	5	-	-	2-3	2-3	2500
	Catterick	1015.5	-.1.0	SE	3	bc	80	45	8	-	-	2	0	4-6	-
	Tynemouth	1015.3	-.4	SE	3	bc	61	75	7	2	-	9	2-3	4-6	2500
11	Inchkeith	1014.5	-.4	SW	3	c	73	45	8	2	9	9	4-6	7-8	2500
12	Leuchars	1014.5	-.6	SSW	3	c	76	45	7	-	3	6	0	7-8	-
	Renfrew (Abbotsl.)	1013.9	+.2	SSW	4	c	70	65	7	5	7	-	4-6	9	5700
	Eskdalemuir	1014.9	0	SSW	4	bc	71	45	8	-	9	3	0	4-6	-
13a	Tiree	1013.6	+.1.6	S	2	c	58	95	6	5	7	-	9+	10	2500
13b	Stornoway	1009.8	+.6	SSW	3	c	60	75	8	8	7	-	7-8	10	1500
15	Dalwhinnie	1013.3	0	S	3	c	70	45	8	4	-	3	4-6	9	2500
	Aberdeen	1014.4	-.2	SSE	3	c	71	55	6	-	8	3	0	7-8	-
	Wick	1012.2	-.4	S	3	c	62	75	7	5	7	8	4-6	9	2500
16	Lerwick	1013.6	-.2	S'W	3	c	55	85	7	5	-	5	4-6	9	1500
17	Blacksod Point	1013.3	+.2.0	W	2	dr	55	95	7	5	-	-	10	10	220
18	Malin Head	1013.4	+.1.0	W	1	c	66	85	7	7	4	3	7-8	9	2500
	Aldergrove	1014.3	+.8	S'W	2	c	65	85	8	2	5	-	1	9+	4000
	Donaghadee	1014.7	+.6	S	2	c	61	85	7	8	3	-	4-6	7-8	2500
19	Birr Castle	1014.4	+.6	S	1	c	71	45	8	7	-	8	4-6	7-8	2500
20	Valentia Obsy.	1015.7	+.1.0	S	4	bc	63	75	8	2	-	1	4-6	4-6	1500
	Roches Point	1014.8	+.6	SW	3	bc	62	85	8	5	-	9	2-3	4-6	2500

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

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)	°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)	1016.0	-.4	SSE	2	bc	83	35	8	7	-	-	2-3	2-3	5700	0	*
	Croydon	1015.9	0	ESE	2	b	81	45	8	1	-	-	Tr	Tr	5700	0	*
	S. Farnborough	1015.8	0	SSE	3	b	79	35	8	4	-	-	Tr	Tr	7200	0	*
	Winchester	1016.1	0	S'E	2	b	78	45	8	-	-	-	0	0	-	0	*
	Boscombe Down	1015.7	-.2	S'E	3	b	78	35	8	-	-	-	Tr	Tr	5700	0	*
	Calshot, S'thmtn	1016.1	-.4	SE	1	b	69	65	7	-	-	-	0	0	-	0	*
	Dungeness	*	*	E	2	b	*	*	6	-	-	*	0	0	-	0	*
	Lympne	1017.1	-.2	ENE	2	b	73	55	7	-	-	-	0	0	-	0	*
2	Shoeburyness	1017.0	-.2	ESE	2	b	69	65	7	-	-	-	0	0	-	0	*
	Felixstowe	1017.4	0	NE'E	2	b	66	65	7	-	-	-	0	0	-	0	*
	Gorleston	1017.6	-.6	-	0	b	61	85	6	-	-	-	0	0	-	0	*
	Cranwell	1016.9	-.2	E'N	2	b	80	55	7	-	-	-	0	1	-	0	*
3	Birmingham	1016.3	+.2	WSW	2	b	81	35	8	1	-	1	Tr	1	5700	0	*
	Upper Heyford	1015.8	-.2	-	0	b	83	45	8	1	-	-	1	1	7200	0	*
4	Ross-on-Wye	1016.0	0	SW	2	b	79	45	8	1	-	1	Tr	Tr	5700	0	*
5	Portland Bill	1016.3	+.4	NW	2	b	68	75	7	-	-	-	0	0	-	0	2
	Plymouth	1016.7	0	S	1	b	67	65	8	8	-	1	Tr	1	2500	0	1
	The Lizard	1017.1	0	WNW	1	bc	63	85	8	7	4	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1017.8	0	WSW	1	bc	62	85	7	5	-	3	1	2-3	4000	0	1
	Guernsey	1016.4	0	NE	1	b	70	65	7	-	-	-	0	0	-	0	1
6	Pembroke	1017.1	0	SW	1	bc	62	85	7	5	1	-	2-3	4-6	2500	0	1
7	Holyhead	1017.0	0	SSW	3	fs	58	95	6	5	3	5	2-3	4-6	220	1	2
	Chester (Sealand)	1017.3	+.6	WNW	3	bc	66	75	6	-	-	2	0	2-3	-	0	*
8	L'pool (Bidston)	1017.9	+.4	N	2	bc	61	85	8	1	-	1	2-3	2-3	4000	0	*
9	Harrogate	1016.0	0	W	3	b	75	55	7	-	-	2	0	1	-	0	*
10	Spurn Head	1016.4	-.2	SE	4	bc	61	85	7	-	-	1	0	2-3	-	0	3
	Catterick	1015.3	+.1.0	W'S	2	bc	76	55	7	-	-	2	0	4-6	-	0	*
	Tynemouth	1015.6	+.6	NE	1	bc	73	55	7	8	-	-	2-3	2-3	4000	0	1
11	Inchkeith	1015.3	+.2	SW	3	c	68	65	8	2	5	6	2-3	9	4000	0	2
12	Leuchars	1015.1	+.8	SW	4	c	73	55	8	1	4	8	Tr	7-8	4000	0	*
	Renfrew (Abbotsl.)	1015.1	+.6	SW	3	bc	67	75	7	-	-	8	0	4-6	-	0	*
	Eskdalemuir	1016.2	+.6	SW	4	bc	66	65	8	-	4	2	0	4-6	-	0	*
13a	Tiree	1015.2	+.1.0	S'W	3	c	59	85	8	4	7	-	7-8	9	2500	0	2
13b	Stornoway	1012.0	+.8	S	3	c	57	85	8	8	6	-	4-6	9+	1500	1	1
15	Dalwhinnie	1014.9	+.1.2	S	2	bc	63	75	8	4	-	3	1	4-6	2500	0	*
	Aberdeen	1014.5	-.2	S	3	bc	65	65	6	-	9	3	0	4-6	-	0	1
	Wick	1013.8	+.8	NW	3	dc	59	95	7	8	2	-	7-8	9	1500	1	2
16	Lerwick	1014.2	+.1.2	SSW	3	c	57	85	7	5	7	-	4-6	9	1500	0	*
17	Blacksod Point	1014.7	+.4	SW	3	bc	59	75	8	-	-	-	0	4-6	-	0	2
18	Malin Head	1015.3	+.8	W	2	c	61	95	7	4	9	-	4-6	9	1500	0	2
	Aldergrove	1015.0	+.4	SW'S	1	c	69	65	9	8	-	3	7-8	7-8	2500	0	*
	Donaghadee	1015.0	+.2	SSW	2	bc	66	75	7	7	3	-	4-6	4-6	2500	0	1
19	Birr Castle	1014.5	+.2	S	1	c	71	55	8	2	-	8	4-6	7-8	2500	0	*
20	Valentia Obsy.	1015.3	+.6	S	3	jp	59	85	8	5	-	-	9+	9+	800	0	1
	Roches Point	1015.5	+.2	SW	3	bc	62	85	8	5	-	9	2-3	4-6	2500	0	2

PAST 24 HOURS.

District.	Stations. (For heights see p. 4.)	Weather. 7h.—13h. (37)	Weather. 13h.—18h. (38)	Weather. 18h. Sm. to 1h. Sm. (39)	Weather. 1h.—7h. (40)
1	London (Kew)	b3.4	b4 b4	b4 y	b3. y
	Croydon	b3. b4	b4	y b3. b	b3.
	S. Farnborough	b4	b4	y	b w3.
	Winchester	b4	b4	b y b	b
	Boscombe Down	b4	b4	b m.	b m.
	Calshot, S'thmtn	b	b		b
	Dungeness	b	b	*	b
	Lympne	b4	b4	b	b
2	Shoeburyness	b m.	b3. b	b w	b w b
	Felixstowe	b3.	b3. b	b	b3.
	Gorleston	b3.	b3.	b3.	b3. w
	Cranwell	b4	b4		b m.
3	Birmingham	b	b	b	b
	Upper Heyford	b m.	b4	b y	b m.
4	Ross-on-Wye	b4	b4	b y b w	b m. b c b
5	Portland Bill	b	b	b	b
	Plymouth	b	b	b w	b w b
	The Lizard	c b c	b c	b c	b c
	Scilly (St. Mary's)	c b c	b c	b c c b c	b w
	Guernsey	b	b	b	b
6	Pembroke	m. f i f m. c	c b c m.	b w b w	b w f c c
7	Holyhead	b c c f	b c c	b c b f e	f f c o
	Chester (Sealand)	3. b c y o	y b c	b z b 3 m	b w f f
8	L'pool (Bidston)	b c y	y c y b c b	b	b f
9	Harrogate	b	b c	b	b
10	Spurn Head	b c	b c	b c w	b c w
	Catterick	b b c	c y	b y b	b w
	Tynemouth	b c	b c	b c	b c
11	Inchkeith	c	c p.	c b c	b c
12	Leuchars	b c w c 3.	c b c y	c y c w	b w
	Renfrew (Abbotsl.)	c 3 3. c	c b c	b c c	c b m.
	Eskdalemuir	b c y	y c y b c b	b w i f	b i f c w
13a	Tiree	c d.	c	c b c	b c c w
13b	Stornoway	c p r	c	c p r	c
15	Dalwhinnie	b z	b c	*	b c
	Aberdeen	b c 3. 4	b c 3.	b c 3.	b c b
	Wick	b c c	c d. d	c b c	b c
16	Lerwick	b c c 3.	c 3.	c i r. m	c m. b c
17	Blacksod Point	c D	c b c	b c	b z
18	Malin Head	c p r	c b c c	b c	c j
	Aldergrove	c	c b c	b z V b	b o m
	Donaghadee	c	c b c	b c c o	o f f
19	Birr Castle	c	c	c b z	b c c
20	Valentia Obsy.	b c c b c	c b c c	c i r i d	c b c c
	Roches Point	c b c	b c	b z V b w	b l z 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, 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.*

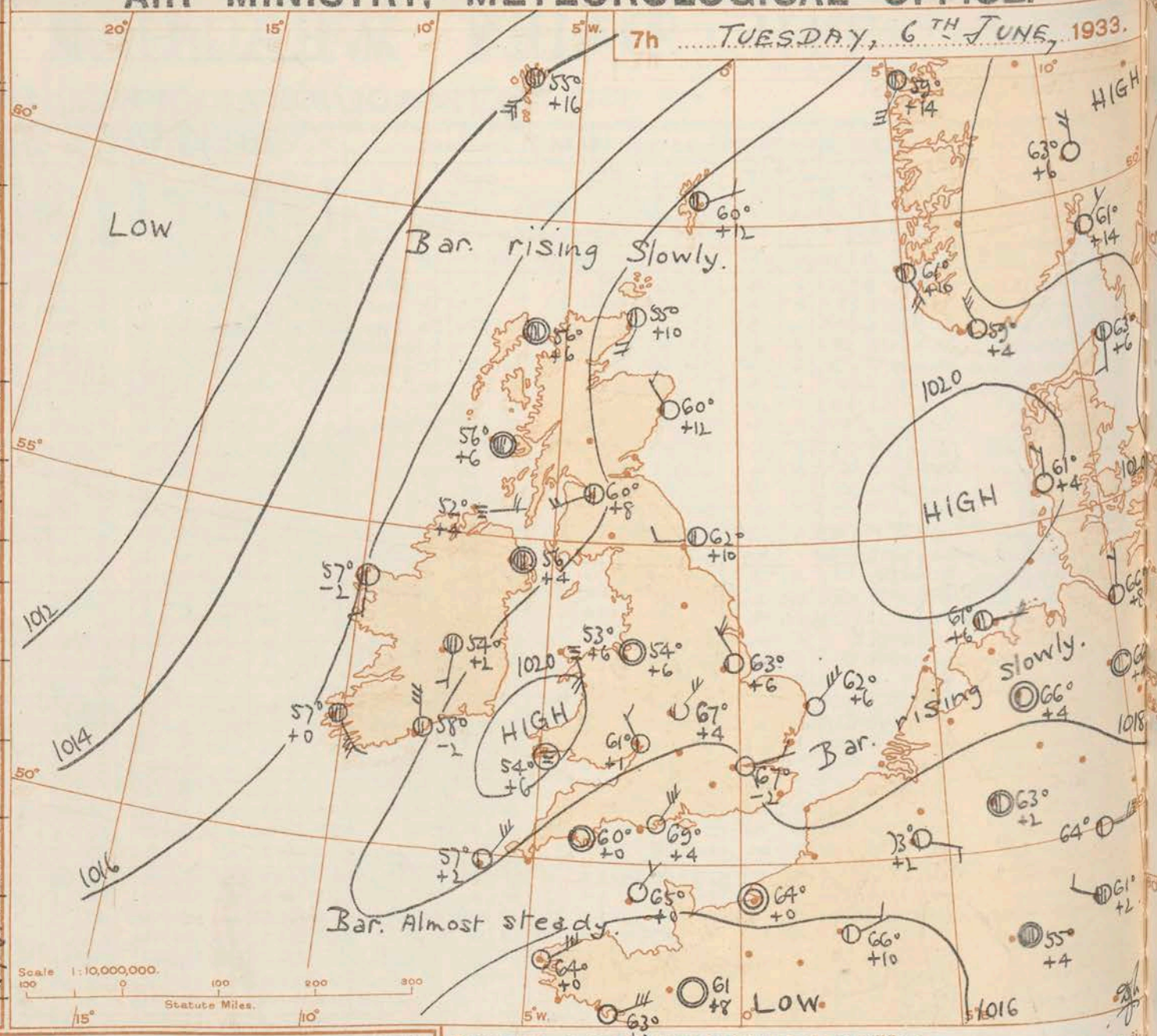
REPORTS from HEALTH RESORTS for 5th June 1933.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.4m. to 9h.5m.	Temperature. Max. 9h.—17h. 5m.	Rainfall. Night. 17h.4m. to 9h.5m.	Rainfall. Day. 9h.—17h. 5m.	Sunshine. Sunrise to 17h. 5m.	Sunshine. Sunrise to Sunset. 4m.
1	Tunbridge W.	b	b	52	85	–	–	12·3	14·6
	Bournemouth	b	b	54	83	–	–	12·2	13·3
	Ventnor ...	b3	b3	60	74	–	–	12·1	13·4
	Southsea ...	b	b	59	80	–	–	12·3	13·2
	Bognor Regis	b	b	61	72	–	–	12·3	13·3
	Littlehampton	b	b	51	75	–	–	12·6	14·1
	Worthing ...	b	b	58	75	–	–	12·7	14·1
	Brighton ...	b	b	59	73	–	–	12·4	14·1
	Eastbourne†	b	b4	55	75	–	–	12·5	14·7
	Hastings† ...	b	b	61	79	–	–	12·9	15·1
	Folkestone ...	b	b	60	76	–	–	12·3	14·7
	Dover... ...	b3	b4	56	78	–	–	12·6	14·9
	Deal	b	b	52	74	–	–	12·3	14·8
	Ramsgate ...	b	b	61	73	–	–	12·5	14·7
	Margate ...	b	b	59	73	–	–	12·6	15·1
2	Southend ...	b	b	57	79	–	–	12·4	14·6
	Maldon ...	b	b	51	80	–	–	12·1	14·1
	Clacton-on-Sea	bcb	b	60	70	–	–	12·1	14·3
	Dovercourt ...	b	b	56	70	–	–	12·2	14·4
	Lowestoft ...	b	b	57	67	–	–	12·9	15·4
	Skegness ...	b	b	53	69	–	–	12·6	14·9
	Mablethorpe	b	b	53	68	–	–	12·3	14·5
	Cleethorpes ...	b	b	52	71	–	–	12·1	14·5
3	Leamington S.	b	b	53	85	–	–	12·8	15·0
4	Cheltenham†	b4	b	60	84	–	–	11·9	12·9
5	Bath	b	b	52	84	–	–	12·0	13·2
	Weymouth ...	b	b	53	80	–	–	12·6	12·1
	Jersey ...	b	b	61	80	–	–	12·3	12·2
	Torquay ...	b	b	52	73	–	–	12·4	12·7
	Penzance ...	bcb	b	55	66	–	–	7·2	10·0
	St. Ives ...	bcb	b	57	68	–	–	8·5	6·4
	Bude	b	b	54	65	–	–	12·0	11·6
	Ilfracombe ...	b	b	59	65	–	–	12·2	12·0
6	Aberystwyth	b	b	59	67	–	–	11·8	14·1
7	Idandudno ...	bcb	b	60	74	–	–	11·5	13·3
	Colwyn Bay...	bbc	bcb	59	75	–	–	11·3	13·4
	Rhyl	b	b	56	76	–	–	10·8	13·1
8	Wallasey ...	b	b	62	77	–	–	10·5	12·8
	Southport‖ ...	b	bbcb	58	77	–	–	10·0	13·2
	Blackpool ...	bc	bcc	59	75	–	–	9·2	13·5
	Morecambe ...	bbcb	bcb	61	75	–	–	10·6	14·5
9	Ilkley... ...	b	b	51	85	–	–	9·2	13·3
10	Berwick-on-T.	c	bcbc	52	77	–	–	10·5	14·2
11	Dunbar ...	bc	bc	65	83	–	–	9·5	14·3
12	Troon... ...	bcc	cbcc	59	68	–	–	3·4	14·2
	Douglas ...	bcb	cbm	56	71	–	–	5·5	13·4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... TUESDAY, 6TH JUNE, 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 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Haze.
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. 6th, June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Light northeast or variable wind; fine; possibly local thunderstorms later; very warm inland.
6. South Wales 7. North Wales 8. N.W. England	Light variable to moderate southerly wind; fine or fair; warm.
9. N Midlands 10. N.E England 11. S.E. Scotland	Light variable wind; fine; possibly local thunderstorms later; very warm.
12. S.W. Scotland & Isle of Man	As 14 - 16.
13. {A. W Scotld. B. N.W. Scotland.	Light to fresh south or southwest wind; cloudy, probably some rain or showers later; rather warm then cooler.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate southerly wind; mainly fair, but perhaps less settled later; warm, then perhaps cooler.
17. N.W. Ireland	Moderate or fresh south or southwest wind; cloudy; some rain or showers; cooler.
18. N.E. Ireland 19. S.E. Ireland	Light or moderate south or southwest wind; cloudy; probably showers later; warm, then cooler.
20. S.W. Ireland	As 17.

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

GENERAL INFERENCE.

A ridge of high pressure crosses the British Isles from southwest to northeast. A trough of low pressure is moving east towards Ireland. Weather will be somewhat unsettled in the extreme Northwest and West, but mainly fine or fair and warm, or very warm, elsewhere.

FURTHER OUTLOOK.

Cooler and somewhat unsettled in the West and Northwest; possibly local thunderstorms in England.

Forecasts issued at 0925 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,
JUNE 6th
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 6th June 1933.

No. 26129

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

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	1017.5	+2	S'E	1	b	58	85	7	-	-	-	0	0	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018.0	0	NE'E	3	b	61	65	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1017.8	-6	-	0	b	57	85	6	-	-	-	0	0	-
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	60	*	*	*	*	*	*	*	*
5	Portland Bill	32	1015.4	-6	NE	4	b	(60)	75	8	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1017.5	0	-	0	b	59	75	8	1	-	-	1	1	4000
	Scilly (St. Mary's)	183	1018.0	-4	N'E	1	b	55	95	8	1	-	-	1	1	4000
	Guernsey	175	1016.8	+2	N	1	b	58	85	7	-	-	-	0	0	-
6	Pembroke	142	1017.2	0	-	0	b	55	95	7	-	-	1	0	Tr.	-
7	Holyhead	26	1017.7	+2	SW'S	2	bf	53	95	2	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1017.1	+2	S'E	1	bc	58	95	7	5	-	8	2-3	4-6	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1016.9	0	-	0	bc	60	85	7	5	-	-	2-3	2-3	1600
11	Inchkeith	190	1017.3	+8	SW	1	bc	59	95	8	5	-	1	2-3	2-3	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	1013.9	+8	S	2	c	53	95	8	8	7	-	2-3	9	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.6	+10	ENE	1	bc	51	95	8	8	8	1	2-3	4-6	2500
16	Lerwick	54	1015.9	+8	-	0	c	55	95	6	5	7	-	4-6	9+	1500
17	Blacksod Point	18	1016.0	+4	-	0	bc	59	75	8	1	-	-	2-3	2-3	1500
18	Malin Head	52	1016.9	+2	-	0	c	50	95	7	4	-	-	7-8	7-8	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016.6	0	SW	1	0	57	95	6	8	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1018.0	0	E	2	b	69	55	5	-	-	-	0	0	-	0	*
	Croyden	1017.6	-2	ENE	1	3c	67	65	6	-	-	-	0	0	-	0	*
	S. Farnborough	1017.8	+4	-	0	b	64	75	6	-	-	-	0	0	-	0	*
	Winchester	1017.3	+4	N	1	b	65	75	7	-	-	-	0	0	-	0	*
	Boscombe Down	1017.5	+6	-	0	b	65	75	6	-	-	-	0	0	-	0	*
	Calshot, (S'thmtn)	1017.1	+4	NW	2	3c	63	75	6	-	-	-	0	0	-	0	0
	Dungeness	*	*	NNE	1	b	*	*	7	-	-	*	0	0	-	*	0
	Lympne	1018.1	+2	NE'N	2	b	66	75	7	-	-	1	0	Tr.	-	0	*
2	Shoeburyness	1018.6	+6	NE	2	b	66	75	7	-	-	-	0	0	-	0	*
	Felixstowe	1018.4	+8	NE	1	3c	67	55	6	-	-	-	0	0	-	0	0
	Gorleston	1018.5	+6	NNE	3	b	62	75	6	-	-	-	0	0	-	0	1
	Cranwell	1018.6	+6	NW	2	b	63	85	6	-	3	-	0	Tr.	-	0	*
3	Birmingham	1018.9	+4	NE	2	b	67	65	6	-	3	-	0	1	-	0	*
	Upper Heyford	1018.2	+6	N	2	3c	65	75	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	1018.4	0	NNW	1	b	61	85	7	-	3	-	0	Tr.	-	0	*
5	Portland Bill	1016.8	+4	NE	3	b	69	75	8	-	-	-	0	0	-	0	2
	Plymouth	1017.2	0	-	0	b	60	85	7	-	-	-	0	0	-	1	0
	The Lizard	1016.9	0	N	2	bc	63	75	8	7	-	-	2-3	2-3	5700	0	1
	Scilly (St. Mary's)	1018.2	+2	NE'N	3	b	57	95	7	5	4	-	Tr.	1	4000	0	1
	Guernsey	1016.3	0	NNE	1	b	65	65	6	-	-	-	0	0	-	0	2
6	Pembroke	1020.1	+6	-	0	F	54	95	1	5	-	-	10	10	<150	1	0
7	Holyhead	1018.6	+6	S'E	2	bf	53	95	3	5	-	-	10	10	<160	1	0
	Chester (Sealand)	1019.2	+6	-	0	b/f	54	95	5	-	-	-	0	0	-	0	*
8	L'pool (Bidston)	1019.5	+6	NNW	1	bf	55	95	2	1	-	-	1	1	4000	0	*
9	Harrogate	1018.5	+6	SW	1	b	66	65	7	-	-	-	0	0	-	0	*
10	Spurn Head	1018.7	+4	-	0	bc	61	85	6	5	1	9	2-3	4-6	1500	0	1
	Catterick	1019.1	+6	NNW	1	b	62	75	7	-	-	1	0	Tr.	-	0	*
	Tynemouth	1018.3	+10	W	1	bc	62	75	6	7	-	1	2-3	2-3	4000	0	1
11	Inchkeith	1018.5	+12	SW	1	bc	58	95	6	5	-	-	2-3	2-3	1500	0	1
	Leuchars	1018.4	+12	-	0	b	61	85	7	4	-	-	Tr.	Tr.	4000	0	*
12	Renfrew (Abbotsl)	1018.1	+8	W'S	2	3c	60	85	6	7	-	-	2-3	2-3	4000	0	*
	Eskdalemuir	1019.4	+8	S	1	c	56	85	8	5	-	-	9+	9+	800		*
13A	Tiree	1017.5	+6	-	0	c	56	95	7	4	3	-	Tr.	9+	4000	0	1
13B	Stornoway	1016.1	+6	-	0	c	56	85	8	8	4	6	2-3	7-8	2500	1	0
15	Dalwhinnie	1018.8	+4	-	0	bc	58	75	8	4	1	-	1	2-3	4000	0	*
	Aberdeen	1018.9	+12	NW	1	b	60	85	7	-	9	-	0	Tr.	-	0	1
	Wick	1018.6	+10	SSW	2	bc	55	95	8	5	-	2	2-3	4-6	2500	0	2
16	Lerwick	1018.1	+12	ENE	1	bc	60	85	8	5	1	8	2-3	4-6	1500	0	*
17	Blacksod Point	1015.9	-2	S	1	bc	57	85	8	2	-	7	2-3	4-6	800	0	2
18	Malin Head	1017.1	+4	E'N	2	f	52	95	2	5	-	-	10	10	<150	0	1
	Aldergrove	1017.3	+4	-	0	bf	56	95	4	5	-	-	10	10	220	1	*
	Donaghadee	1017.6	+8	S	2	f	52	95	3	5	-	-	10	10	800	0	1
19	Birr Castle	1017.0	+2	S	1	c	54	95	7	6	-	-	9	9	1500	0	*
20	Valentia Obsy.†	1016.4	0	S'E	4	c	57	85	8	8	-	2	4-6	7-8	1500	1	3
	Roches Point	1017.2	-2	N	3	bc	53	95	8	3	-	-	4-6	4-6	2500	0	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 5ths Hrs. (36)
1	London (Kew)	86	57	46	-	-	14.5
	Croyden	84	54	50	-	-	14.5
	S. Farnborough	86	50	39	-	-	14.8
	Winchester	82	49	43	-	-	15.0
	Boscombe Down	84	53	48	-	14.3	14.4
	Calshot, (S'thmtn)	75	55	50	-	-	*
	Dungeness	75	51	*	-	-	15.2
	Lympne	78	55	52	-	-	14.4
2	Shoeburyness	75	51	41	-	-	15.0
	Felixstowe	68	51	45	-	-	15.0
	Gorleston	63	53	45	-	-	14.8
	Cranwell	85	53	48	-	-	14.8
3	Birmingham	83	59	44	-	-	14.8
	Upper Heyford	85	57	47	-	-	15.3
4	Ross-on-Wye	81	53	45	-	-	*
5	Portland Bill	71	(60)	*	-	-	14.8
	Plymouth	70	55	44	-	-	*
	The Lizard	68	58	*	-	-	8.4
	Scilly (St. Mary's)	65	53	*	-	-	15.1
	Guernsey	73	58	50	-	-	*
6	Pembroke	64	50	*	-	Tr.	6.7
7	Holyhead	65	51	50	-	Tr.	11.2
	Chester (Sealand)	81	45	41	-	Tr.	12.0
8	L'pool (Bidston)	77	55	52	-	-	12.4
9	Harrogate	82	53	42	-	-	13.8
10	Spurn Head	66	54	*	-	Tr.	14.4
	Catterick	81	47	45	-	-	14.1
	Tynemouth	73	56	49	-	-	*
11	Inchkeith	75	55	48	Tr.	-	9.3
	Leuchars	79	51	42	-	-	7.5
12	Renfrew (Abbotsl)	73	53	49	-	-	5.7
	Eskdalemuir	72	49	46	-	-	10.9
13A	Tiree	63	50	40	0.2 Tr.	-	0.7
13B	Stornoway	63	50	*	-	-	0.5
15	Dalwhinnie	72	39	30	-	-	7.6
	Aberdeen	74	52	48	-	-	9.0
	Wick	65	47	*	2	Tr.	*
16	Lerwick	57	52	*	-	1	9.1
17	Blacksod Point	61	49	*	1	-	*
18	Malin Head	68	48	*	-	-	5.9
	Aldergrove	70	50	43	-	-	3.5
	Donaghadee	68	(52) 51	*	-	Tr	*
19	Birr Castle	72	45	40	-	-	10.9
20	Valentia Obsy.†	65	55	53	-	2	8.2
	Roches Point	65	50	*	-	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 0-9
Kew	18	b 3c y	by bcy	bcy bc3c	86	57	46	-	-	14.5	*	*	b
Croydon	217	bc3c by	bcy	ybc3c b	84	54	50	-	-	14.5	*	*	b
Greenwich (Royal Observatory)	149	by	by	bm y	86	53	41	-	-	14.1	38	51	b
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	14.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	85	61	59	—	—	13.9	40	41	*
Regents Pk. (Botanic Gardens)	168	*	*	*	87	59	51	—	—	13.7	33	30	*
Camden Square	110	b	b	*	89	59	53			*	*	45	*
Kensington	80	bc b	b	*	86	58	49	-	-	13.6	At 18h. 47		*
Hampstead Observatory	450	b	b	bc	83	59	47	-	-	14.2	43 *	43	*

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

South Kensington. Max.	Time.	Min.	Time.
1.0	4-6h 6m.	Nil	11-20h 5m.

Kew Observatory. Max.	Time.	Min.	Time.
0.2	7h 6m	<0.1	12-18h 5m.

FOREIGN OBSERVATIONS.

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.2	ENE	1	b	82
Brussels	1015.9	NE'E	3	b	77
Berlin	1017.3	NNW	1	c	73
Zurich	1014.8	ENE	2	bc	72
Rome					

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1013.5	ENE	1	b	69
Brussels	1016.8	ESE	1	b	73
Berlin	1017.8	NE	2	bc	64
Zurich	1016.7	NNW	1	bc	57
Rome	1015.7	NNE	2	c	61

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
Paris	82	54	-	-
Brussels	79	55	-	-
Berlin	79	57	-	-
Zurich	79	50	-	-
Rome		54		

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. 3/6 per month; 6/9 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.

† 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 7th June 1933.

No. 26130

OBSERVATIONS at 13h. G.M.T. 6am June

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 5hrs. Hrs. (36)
1	London (Kew)	1017·7	-2	E	3	bc	82	35	7	-	-	2	0	2·3	-	14·5
	Croydon	1016·7	-6	E'N	3	bc	82	35	7	-	-	1	0	2·3	-	14·5
	S. Farnborough	1016·8	-4	ENE	3	bc	83	35	7	-	-	1	0	4·6	-	14·8
	Winchester	1016·7	-6	E	2	c	82	45	7	-	-	2	0	7·8	-	15·0
	Boscombe Down	1016·5	-6	ESE	2	c	82	35	7	-	-	2	0	7·8	-	14·4
	Calshot, S'thmtn	1016·9	-2	ESE	3	bc	75	55	7	-	-	6	0	4·6	-	~~15·0~~
	Dungeness	*	*	NNE	3	bc	*	*	7	5	3	*	2·3	2·3	2500	*
	Lympne	1017·9	+2	NE	4	bc	76	45	8	-	-	5	0	4·6	-	15·2
2	Shoeburyness	1018·5	0	E	3	bc	72	65	7	-	-	5	0	2·3	-	14·4
	Felixstowe	1018·7	0	NE	3	b	71	55	7	-	-	1	0	1	-	15·0
	Gorleston	1018·7	0	ENE	1	b	67	65	6	-	-	-	0	0	-	~~15·0~~
	Cranwell	1018·1	-6	E	2	3o	85	45	6	1	-	-	1	1	5700	14·8
3	Birmingham	1017·6	-6	E	2	bc	82	35	8	1	-	-	2·3	2·3	5700	*
4	Upper Heyford	1017·5	-2	ENE	3	b	82	45	7	1	-	1	1	1	4000	15·3
	Ross-on-Wye	1016·7	-8	E	3	3o	81	45	7	1	-	-	1	1	4000	*
5	Portland Bill	1016·2	-6	SE	3	bc	67	75	7	4	-	-	2·3	2·3	2500	*
	Plymouth	1016·9	0	SSW	2	b	70	75	8	1	-	-	Tr	Tr	4000	14·8
	The Lizard	1016·7	0	NE	2	bc	73	65	8	1	-	-	2·3	2·3	5700	*
	Scilly (St. Mary's)	1017·3	0	NE	3	c	59	95	3	5	-	-	10	10	150	8·4
	Guernsey	1016·4	-2	NE	2	bc	67	75	6	-	-	-	0	0	-	15·1
6	Pembroke	1018·2	-6	NW	1	b	67	85	7	1	-	1	Tr	1	5700	6·7
7	Holyhead	1018·6	-4	NNW	1	f	58	85	7	5	-	-	1	1	220	11·2
	Chester (Sealand)	1017·9	-10	S'E	1	b	83	35	8	1	-	-	1	1	2500	12·0
8	L'pool (Bidston)	1018·5	-2	NW	1	b	68	75	7	1	-	-	Tr	Tr	2500	12·4
9	Harrogate	1018·5	-6	SSE	1	b	81	35	9	-	4	1	0	Tr	-	13·8
10	Spurn Head	1019·1	0	E	3	b	64	75	7	-	1	-	0	1	-	14·4
	Catterick	1018·3	-6	SSE	1	b	81	45	8	1	-	-	1	1	4000	14·1
	Tynemouth	1019·3	0	SE	2	b	62	75	7	-	-	-	0	0	-	*
11	Inchkeith	1018·2	-6	ENE	3	b	62	85	7	1	-	-	1	1	4000	9·3
12	Leuchars	1018·6	-2	E	3	b	65	75	7	-	-	-	0	0	-	7·5
	Renfrew (Abbotts L)	1017·2	-6	S	2	bc	72	55	7	1	-	-	4·6	4·6	2500	5·7
	Eskdalemuir	1017·9	0	S	3	b	73	55	8	-	-	-	0	0	-	10·3
13A	Tiree	1017·1	-6	SE	3	c	63	85	6	4	3	9	2·3	9	4000	0·7
13B	Stornoway	1016·0	-2	SE	1	bc	59	85	8	8	-	-	2·3	2·3	2500	0·5
15	Dalwhinnie	*	-4	S	2	c	72	55	8	4	1	-	4·6	7·8	4000	7·6
	Aberdeen	1019·2	0	ENE	3	b	61	75	7	-	-	-	0	0	-	9·0
	Wick	1019·0	+4	S	2	bc	58	85	8	5	4	2	2·3	4·6	2500	*
16	Lerwick	1020·0	-2	S	2	b	58	85	8	1	-	-	1	1	1500	5·9
17	Blacksod Point	1014·7	-4	S	3	bc	63	75	8	2	-	5	2·3	4·6	1500	3·5
18	Malin Head	1016·5	-2	E'N	3	bc	56	95	7	2	4	-	2·3	2·3	2500	*
	Aldergrove	1017·3	-2	SSE	2	c	67	75	7	2	-	-	7·8	7·8	1500	10·9
	Donaghadee	1017·9	+2	S	1	bc	58	85	7	7	3	-	4·6	4·6	2500	8·3
19	Birr Castle	1016·4	-8	S	3	bc	72	55	8	1	-	2	1	2·3	4000	*
20	Valentia Obsy.	1016·2	-2	S'E	5	c	64	75	9	7	-	2	2·3	7·8	2500	*
	Roches Point	1017·8	+4	SW	3	bc	63	85	8	5	-	-	4·6	4·6	2500	*

OBSERVATIONS at 18h. G.M.T. 6pm June

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)	1017·0	0	E'S	3	bc	79	35	8	-	-	2	0	4·6	-	0	*
Croydon	1016·7	-2	E'S	3	c	76	35	8	-	-	2	0	7·8	-	0	*
S. Farnborough	1016·5	-2	E'S	3	bc	77	35	7	-	-	2	0	4·6	-	0	*
Winchester	1016·1	-2	ESE	1	c	77	55	7	-	-	6	0	7·8	-	0	*
Boscombe Down	1016·0	-2	SE	2	c	76	55	7	-	-	6	0	7·8	-	0	*
Calshot, S'thmtn	1016·2	-2	SE'E	3	bc	67	75	7	-	-	6	0	4·6	-	0	1
Dungeness	*	*	NE	4	bc	*	*	6	4	7	*	2·3	4·6	2500	*	2
Lympne	1017·6	-2	NE	3	c	67	55	8	-	-	2	0	7·8	-	0	*
Shoeburyness	1017·8	-6	E'S	3	bc	70	65	7	-	-	5	0	2·3	-	0	*
Felixstowe	1018·1	-2	NE	3	bc	67	65	7	-	-	1	0	4·6	-	0	1
Gorleston	1018·4	-4	NNE	1	bc	65	65	6	-	-	1	0	2·3	-	0	*
Cranwell	1018·2	+2	ENE	2	b	76	55	7	-	-	1	0	1	-	0	*
Birmingham	1016·8	-4	ESE	2	bc	82	35	8	1	-	4	Tr	2·3	5700	0	*
Upper Heyford	1016·6	-4	E	3	c	80	45	8	-	-	6	0	9	-	0	*
Ross-on-Wye	1016·0	-8	E	1	c	79	55	7	1	-	4	Tr	7·8	4000	0	*
Portland Bill	1015·9	-6	ESE	1	bc	69	85	7	4	-	1	2·3	4·6	2500	0	2
Plymouth	1015·8	-4	SSW	1	b	69	65	8	-	-	-	0	0	-	0	0
The Lizard	1015·6	-4	ENE	1	b	71	55	8	-	-	-	0	0	-	0	0
Scilly (St. Mary's)	1016·9	-4	NE'N	3	Rr	57	95	7	5	-	-	10	10	150	0	1
Guernsey	1015·2	-4	NE	2	bc	69	55	7	7	-	-	4·6	4·6	4000	0	2
Pembroke	1015·8	-12	NNW	2	b	70	65	9	-	-	-	0	0	-	0	1
Holyhead	1017·4	-10	NW	1	bc	57	85	8	-	3	8	0	4·6	-	0	0
Chester (Sealand)	1017·8	-2	WNW	3	b	66	85	7	4	-	-	1	1	4000	0	*
L'pool (Bidston)	1017·9	-4	NW	2	b	64	85	8	1	-	-	1	1	4000	0	*
Harrogate	1018·2	-6	SE	2	b	76	45	7	-	3	8	0	1	-	0	*
Spurn Head	1018·8	0	ESE	3	bc	59	85	6	-	1	-	0	2·3	-	0	2
Catterick	1017·5	-2	SE	2	b	78	55	8	1	-	-	1	1	4000	0	*
Tynemouth	1018·6	-4	SE	2	bc	61	75	7	2	-	-	2·3	2·3	2500	0	1
Inchkeith	1017·4	-4	NNE	1	b	64	75	8	-	-	-	0	0	-	0	1
Leuchars	1017·4	-8	NE	2	b	64	75	8	-	-	-	0	0	-	0	*
Renfrew (Abbotts L)	1017·1	0	SW'S	3	b	68	65	7	-	-	-	0	0	-	0	*
Eskdalemuir	1017·7	0	SW'S	3	b	72	45	8	-	-	1	0	1	-	0	*
Tiree	1015·6	-12	SE'S	3	bc	62	85	8	-	-	8	0	2·3	-	0	2
Stornoway	1014·3	+4	-	0	JP	53	95	9	9	7	-	7·8	10	2500	1	0
Dalwhinnie	1016·3	-2	S	2	bc	69	55	8	4	1	-	1	2·3	4000	0	*
Aberdeen	1018·2	-2	SE	2	b	66	55	8	-	-	-	0	0	-	0	1
Wick	1018·3	-12	ESE	4	bc	56	95	8	7	1	-	2·3	4·6	2500	0	2
Lerwick	1020·3	0	S'W	1	bc	59	85	7	5	-	8	Tr	2·3	1500	0	*
Blacksod Point	1012·9	-6	S	4	bc	59	85	8	-	4	-	0	4·6	-	0	3
Malin Head	1015·3	-8	ENE	2	bc	59	85	8	1	-	9	1	2·3	4000	0	1
Aldergrove	1016·2	-2	SE	2	b	70	65	8	-	-	1	0	Tr	-	0	*
Donaghadee	1017·2	-2	SSE	2	of	53	95	3	5	-	-	10	10	800	0	1
Birr Castle	1015·2	-6	S	1	bc	73	55	8	-	-	2	0	2·3	-	0	*
Valentia Obsy.	1015·1	-10	S	4	c	60	85	9	8	-	1	7·8	9	1500	0	3
Roches Point	1016·1	-10	SW	3	c	58	85	8	5	-	-	9	9	2500	0	3

PAST 24 HOURS. WEATHER.

Stations.	7h.–13h. (37)	13h.–18h. (38)	18h. G.M.T. to 1h. 7m. (39)	1h.–7h. 7m. (40)
London (Kew)	b3o bcy	bcy	bcy 3o	b3o
Croydon	b3o by	bccy	ybc	bc3o
S. Farnborough	by3o bc	bcy	by b	bm. w
Winchester	by bcy	cy	cyc	cbc m.
Boscombe Down	b3o bbcy	bcb3o4	bcb	bm.
Calshot, S'thmtn	by	bcyc	bcb	bm.
Dungeness	bc	bc		b
Lympne	bbcy	bccy	bcb*	b
Shoeburyness	by	bc	bcbw	bw
Felixstowe	b3o4 by	bybcy	bcb	b
Gorleston	b	bbc	bcbw	bwb
Cranwell	b3o4	by	by	bw
Birmingham	b	b	b	b3
Upper Heyford	b3o4	bbccy	cy bc	bcb m.
Ross-on-Wye	by	bcycy	cyb	bm. w
Portland Bill	bbc	bc	cbc	bcb
Plymouth	b	b	bw	bwb
The Lizard	bc	bcby	b	b
Scilly (St. Mary's)	ffeif	ifff	ffify	b
Guernsey	b	bbc	bc	cb3
Pembroke	b bm. b	bb	bvb	bw
Holyhead	cfc m. b	b	bcw	bcb
Chester (Sealand)	by by	bcb	bbcm	bwm
L'pool (Bidston)	f b	bbcb	b	b
Harrogate	f b	b	b	b
Spurn Head	bc	bc	bcw	bc
Catterick	by	by	by bw	bw
Tynemouth	bcb	bbc	bc	bcb
Inchkeith	bc	bcb	bbc	bc
Leuchars	bwb	b	bbcwm.	bcbwm.
Renfrew (Abbotts L)	bcom. by	bcyb	b	bbcm.
Eskdalemuir	cwby	by	by bc	bcb
Tiree	c	cbc	bbc	bcw.
Stornoway	cbc	bcc	cbc	bc
Dalwhinnie	bc	bc	*	bc
Aberdeen	b	b3o by	b	bwb
Wick	bc	bc	bc	bc
Lerwick	bc	bc	bcm.	bcm. 3o
Blacksod Point	bc	bc	cbc	iR
Malin Head	F bc	bc	bc	bc
Aldergrove	o m c m.	bcb	b	bbc
Donaghadee	off cbc	bccoff	c m.	cbc
Birr Castle	c b c y	bcb y	bc	bc
Valentia Obsy.	bcc	c	c	cid 3o in
Roches Point	bc	bcc	cw	cw

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.
"0" 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.*

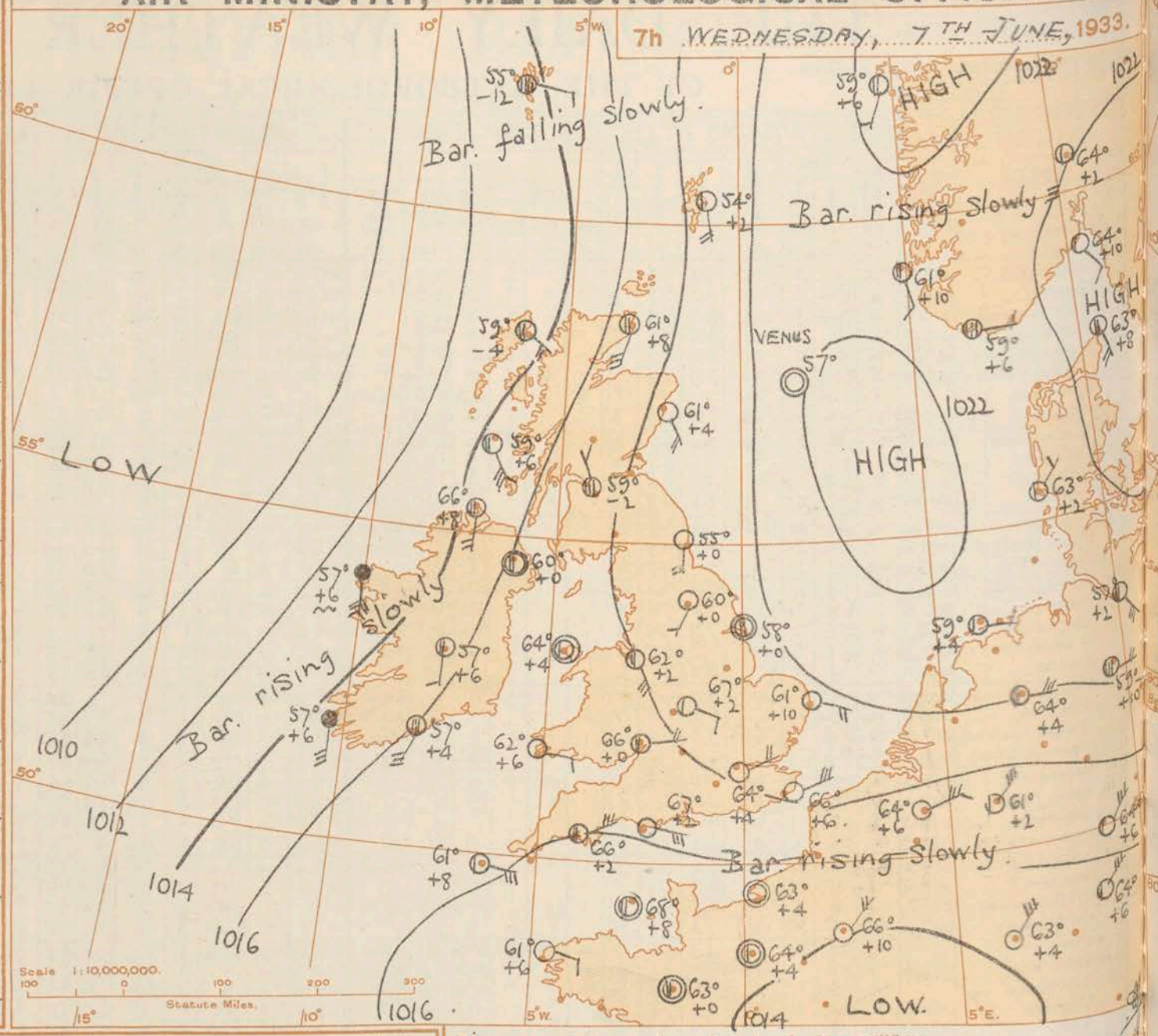
REPORTS from HEALTH RESORTS for 6th June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 5m. to 9h. 6m.	Temperature. Max. 9h.—17h.	Rainfall. Night. 17h. 5m. to 9h. 5m.	Rainfall. Day. 9h.—17h.	Sunshine. Sunrise to 17h.	Sunshine. Sunrise to Sunset.
1	Tunbridge W.	b	bbc	50	82	–	–	11.2	14.4
	Bournemouth	b	b	55	83	–	–	12.4	14.9
	Ventnor ...	bz	bobcz	64	78	–	–	10.6	14.1
	Southsea ...	b	bbcb	58	82	–	–	10.9	14.5
	Bognor Regis	b	bbc	60	78	–	–	9.3	13.4
	Littlehampton	b	bbc	57	79	–	–	10.1	15.0
	Worthing ...	b	bbc	60	77	–	–	11.6	15.1
	Brighton ...	b	bbc	63	85	–	–	12.3	14.0
	Eastbourne†	b	bbcy	60	74	–	–	11.9	14.9
	Hastings† ...	b	bbcc	61	81	–	–	11.5	15.2
	Folkestone ...	b	b	59	78	–	–	11.7	14.4
	Dover... ...	yb	bbcy	59	78	–	–	12.4	14.9
	Deal	b	b	52	70	–	–	12.3	14.6
	Ramsgate ...	b	b	58	72	–	–	12.5	14.7
	Margate ...	b	bbc	58	67	–	–	12.6	15.1
2	Southend ...	bz	bbcb	58	79	–	–	11.9	14.5
	Maldon ...	b	b	49	78	–	–	11.1	14.3
	Clacton-on-Sea	bco	bbc	55	72	–	–	11.9	14.5
	Dovercourt ...	b	bc	53	75	–	–	12.5	14.5
	Lowestoft ...	b	b	51	71	–	–	12.4	15.6
	Skegness ...	b	b	57	72	–	–	12.5	14.4
	Mablethorpe	b	bbc	54	69	–	–	12.3	14.3
	Cleethorpes...	bz	b	54	71	–	–	11.8	14.0
3	Leamington S.	b	b	58	84	–	–	12.7	15.1
4	Cheltenham†	bzb	bbcq	60	84	–	–	10.3	15.0
5	Bath	b	b	58	85	–	–	11.4	14.8
	Weymouth ...	by	by	62	77	–	–	12.4	14.2
	Jersey ...	b	b	62	82	–	–	12.3	15.0
	Torquay ...	byb	by	57	77	–	–	12.5	14.9
	Penzance ...	b	b	51	73	–	–	11.4	9.2
	St. Ives ...	o	b	54	60	–	–	0.1	11.2
	Bude	vb	b	47	65	–	–	11.8	14.5
	Ilfracombe ...	b	b	54	70	–	–	11.7	15.0
6	Aberystwyth	bbom	omoff	50	59	–	–	0.1	14.7
7	Llandudno ...	imb	b	51	68	–	–	8.8	14.0
	Colwyn Bay...	fb	b	51	62	–	–	9.0	13.9
	Rhyl	embbc	bcb	56	64	–	–	7.8	13.0
8	Wallasey ...	bzb	b	54	67	–	–	9.0	12.8
	Southport‖ ...	b	b	50	75	–	–	11.5	12.2
	Blackpool ...	b	b	50	75	–	–	12.3	10.9
	Morecambe ...	b	b	53	80	–	–	12.5	12.8
9	Ilkley... ...	b	b	50	83	–	–	10.0	11.4
10	Berwick-on-T.	b	bbc	54	68	–	–	13.2	11.3
11	Dunbar ...	bc	bc	54	82	–	–	12.6	9.9
12	Troon... ...	wbc	cbc	56	65	–	–	7.7	5.1
	Douglas ...	bcz	bcb	51	69	–	–	9.0	7.5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 7TH JUNE, 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 1/5 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⱦ Thunderstorm. ∞ Haze.
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. 7th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate easterly wind; fine; very warm inland, perhaps somewhat cooler tomorrow.
5. S.W. England 6. South Wales	Light easterly or variable wind; fine or fair; warm or very warm.
7. North Wales 8. N.W. England	Light southeast or south wind; fine or fair; very warm.
9. N Midlands 10. N.E. England 11. S.E. Scotland	Light southeast or south wind; fine; very warm, especially inland.
12. S.W. Scotland & Isle of Man	Light southerly wind; cloudy; perhaps local rain, possibly thunder; warm.
13. A. W Scotld B. N.W. Scotland.	Moderate southerly wind, fresh locally; cloudy; probably local rain; warm.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate southerly wind; mainly fine; warm or very warm.
17. N.W. Ireland 18. N.E. Ireland	Moderate wind between south and west, fresh locally; cloudy; local rain or showers; moderate temperature.
19. S.E. Ireland	As 12.
20. S.W. Ireland	As 17.

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

GENERAL INFERENCE.

An anticyclone centred over Scandinavia and the Baltic covers over southeastern districts, while a trough of low pressure off our Atlantic seaboard is moving eastwards slightly. Weather will be rather unsettled in the extreme West and Northwest but fine and warm, or very warm in England, Wales and Eastern Scotland.

FURTHER OUTLOOK.

Fair, except in the extreme Northwest.

Forecasts issued at 0940 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
JUNE 7th
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 7th June 1933.

No. 26130

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

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	1017.7	+2	-	0	bc	57	85	7	-	-	2	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017.7	0	NE	3	b	56	95	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.7	-4	NE'E	1	b	58	85	6	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1016.1	-2	ESE	2	bc	64	65	7	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015.8	-4	NNE	1	b	64	65	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1016.3	-4	NE'E	3	b	55	95	8	-	-	-	0	0	-
	Guernsey ...	175	1015.7	-2	-	0	bc	60	85	7	7	-	-	4-6	4-6	4000
6	Pembroke ...	142	1016.6	+2	-	0	bc	61	65	8	7	8	-	1	2-3	4000
7	Holyhead ...	26	1016.2	+2	-	0	bc	61	65	8	5	-	8	2-3	4-6	~~2500~~ 7200
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018.8	0	SE'E	2	bc	56	95	7	-	1	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1018.7	+4	-	0	bc	59	85	7	2	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1018.3	+4	SE	1	bc	62	65	8	4	5	-	2-3	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts'l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1013.2	-4	-	0	bc	53	95	8	8	6	-	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.0	-8	SSW	2	bc	54	95	8	5	-	-	2-3	2-3	2500
16	Lerwick ...	54	1013.2	0	-	0	bc	53	95	6	5	-	-	2-3	2-3	800
17	Blacksod Point	18	1012.4	-2	S	4	c	58	85	8	5	-	-	7-8	7-8	800
18	Malin Head ...	52	1014.1	-6	S	3	b	62	95	8	5	3	-	Tr	Tr	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1014.7	-10	S	3	c	57	85	8	4	-	-	9+	9+	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1018.3	+8	ENE	3	b	66	65	5	-	-	-	0	0	-	0	*
1018.0	+4	ENE	2	3.	64	75	6	-	-	-	0	0	-	0	*
1017.6	+6	E'N	2	3.	64	65	6	-	-	1	0	1	-	0	*
1016.7	+2	NE	2	bc	64	75	6	-	-	1	0	2-3	-	0	*
1017.0	+4	NE	2	b	65	65	6	-	-	1	0	1	-	0	*
1016.9	+6	NNW	2	b	62	75	6	-	-	1	0	1	-	0	0
*	*	NE	2	b	*	*	6	-	-	*	0	0	-	*	1
1018.0	+6	NE	3	b	66	75	7	-	-	-	0	0	-	0	*
1018.7	+10	NE	3	b	66	75	7	-	-	-	0	0	-	0	*
1018.7	+10	NE'E	1	b	64	75	7	-	-	-	0	0	-	0	1
1019.8	+10	SE'E	2	b	61	75	6	-	-	-	0	0	-	0	1
1019.3	+4	NE	1	b	60	85	7	-	-	1	0	Tr.	-	0	*
1018.7	+2	ESE	1	b	67	55	5	-	-	1	0	1	-	0	*
1018.3	+2	ENE	3	b	65	75	7	-	-	1	0	1	-	0	*
1017.5	0	E	2	3e	66	65	6	-	-	2	0	2-3	-	0	*
1016.2	+2	ESE	3	b	67	65	7	-	-	-	0	0	-	0	2
1015.6	+2	ENE	3	bc	66	65	7	-	-	4	0	2-3	-	0	1
1016.1	+4	ENE	1	b	63	75	8	7	-	-	1	1	4000	0	1
1016.2	+8	E'S	3	b	61	85	7	-	-	5	0	1	-	0	1
1015.4	+8	-	0	3.	68	75	5	-	3	-	0	4-6	-	0	2
~~1015.8~~ 7.0	+6	ESE	1	b	62	85	8	-	-	-	0	0	-	0	1
1016.3	+4	-	0	3.	64	75	6	-	-	1	0	Tr.	-	0	0
1018.0	+2	SE'S	3	3.	62	75	6	-	-	2	0	4-6	-	0	*
1018.2	0	SE'S	3	b	64	65	7	-	-	1	0	Tr.	-	0	*
1019.4	0	SW	1	b	60	75	7	-	-	-	0	0	-	0	*
1019.1	0	-	0	bc	58	85	6	5	-	-	2-3	2-3	2500	0	1
1019.6	+2	SSE	2	b	61	75	7	-	-	-	0	0	-	0	*
1019.0	0	S	2	b	55	95	6	-	-	-	0	0	-	0	1
1018.5	+2	NE	2	bc	57	85	7	1	5	-	2-3	4-6	1500	0	1
1018.6	+2	NE	2	b	57	95	6	-	-	9	0	1	-	0	*
1017.3	-2	NNW	1	3.	59	95	5	7	-	-	9	9	2500	0	*
1018.0	-2	N	2	b	65	65	8	-	-	-	0	0	-	0	*
1014.7	+6	SSE	4	bc	59	85	7	1	~~4~~8	8	1	2-3	5700	0	3
1012.9	-4	SE	2	bc	59	75	9	1	4	-	1	2-3	2500	1	1
1017.4	-4	S	3	b	65	65	8	4	-	-	1	1	4000	0	*
1019.1	+4	SSE	2	b	61	65	7	-	-	-	0	0	-	0	0
1017.0	+8	SSW	3	bc	61	85	8	5	-	-	2-3	2-3	2500	0	2
1018.3	+2	S'E	2	b	54	85	7	5	-	-	Tr.	Tr.	1500	0	*
1013.1	+6	S	6	iR	57	95	7	5	-	1	10	10	4150	1	4
1014.6	+8	S	2	bc	66	85	8	-	-	6	0	4-6	-	0	1
1016.1	0	-	0	bc	60	85	8	5	-	-	4-6	4-6	5700	1	*
1016.4	-2	-	0	bc	58	85	7	7	3	-	2-3	4-6	2500	0	0
1015.5	+6	S	1	bc	57	85	8	5	-	2	2-3	4-6	4000	0	*
1015.0	+6	SE	3	ir.	57	95	7	5	-	-	10	10	800	1	2
1016.2	+4	SW	3	c	57	85	8	5	-	-	7-8	7-8	2500	0	2

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)
83	56	43	-	-	12.9
82	54	47	-	-	13.6
85	48	35	-	-	10.6
83	51	46	-	-	11.7
83	52	46	-	-	12.2
77	56	51	-	-	*
74	61	*	-	-	12.4
76	54	51	-	-	
77	51	48	-	-	14.5
74	54	51	-	-	15.2
67	56	52	-	-	15.4
86	44	39	-	-	14.4
82	58	44	-	-	12.6
83	55	51	-	-	*
82	54	42	-	-	12.5
74	60	*	-	-	*
73	55	46	-	-	14.8
76	59	*	-	-	*
60	53	*	Tr.	-	4.0
73	57	51	-	-	15.0
71	55	*	-	-	11.5
62	55	47	-	-	7.9
85	50	43	-	-	12.8
71	57	56	-	-	11.1
81	49	44	-	-	14.5
70	52	*	-	Tr.	14.4
83	47	40	-	-	15.4
67	46	38	-	-	*
73	51	47	-	-	12.1
77	51	47	-	-	12.2
63	54	49	-	-	9.6
63	53	*	-	-	12.4
74	51	37	-	-	13.1
69	51	47	-	-	15.7
59	51	*	-	-	*
65	52	*	-	-	14.8
63	55	*	-	11	*
63	57	*	-	-	10.1
72	54	47	-	-	8.8
62	50	*	-	-	*
73	51	44	-	-	10.8
66	57	55	-	0.3	8.1
64	55	*	-	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	bz3 bcy	bcy	bcy 3.	83	56	43	-	-	12.9	*	*	6
Croydon	217	bz3 by	bccy	ybc 3.	82	54	47	-	-	13.6	*	*	6
Greenwich (Royal Observatory) ...	149	by	bc⊕y	bcb	83	52	40	-	-	12.7	41	63	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	83	60	53	-		12.5	3.	55	*
†Regents Pk. (Botanic Gardens) ...	168	*	*	*	85	57	51	-		11.9	43	59	*
Camden Square	110	b	bbc	*	88	57	52	-	-	*	*	56	*
Kensington	80	bbc	bc	*	84	58	49	-	-	12.9	At 18h. 43	55	*
Hampstead Observatory	450	b	b	bc	81	56	45	-	-	12.4	*	55	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0.6	7-9h 6m	Nil	11-19h 6m

Kew Observatory.

Max.	Time.	Min.	Time.
Defective record.			

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th June. 7h. G.M.T. 7th June.

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.
Paris	1014.1	ENE	2	bc	82	1014.2	NNE	2	3.	66
Brussels	1015.1	NE	3	b	79	1016.6	ENE	4	b	64
Berlin	1018.0	NNE	3	bc	68	1020.4	NE	2	b	61
Zürich	1013.4	ENE	2	c	73	1013.6	ENE	1	b	59
Rome						1012.9	NE	2	c	61

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
84	59	-	-
82	?	-	-
72	50	-	-
81	52	-	-
	54		

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.

† 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 8m June 1933.

No. 26131

OBSERVATIONS at 13h. G.M.T. 7m June

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 P-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)	1018.2	0	ENE	5	bc	78	35	8	-	-	-	0	0	-
	Croydon	1017.2	-4	ENE	4	b	79	25	8	-	-	8	0	Tr	-
	S. Farnborough	1016.9	-2	ENE	4	b	82	35	8	-	-	1	Tr	Tr	4000
	Winchester	1016.5	-4	ENE	3	bc	81	35	8	-	-	-	Tr	2-3	4000
	Boscombe Down	1016.5	-4	ESE	2	b	82	35	8	-	-	2	0	2-3	-
	Calshot, S'thmtn	1016.6	-4	ESE	4	b	73	55	7	-	-	-	Tr	1	4000
	Dungeness	*	*	NE	4	b	*	*	7	-	-	-	0	Tr	-
	Lympne	1017.6	-4	ENE	5	b	72	45	9	-	-	-	0	0	-
2	Shoeburyness	1018.2	-10	E	4	b	75	45	8	-	-	-	0	0	-
	Felixstowe	1019.1	0	NE	4	b	76	55	8	-	-	-	0	0	-
	Gorleston	1019.6	0	-	0	b	66	65	6	-	-	-	0	0	-
	Cranwell	1018.4	-6	SE	4	bc	84	45	7	1	-	-	2-3	2-3	4000
3	Birmingham	1017.5	-2	SSE	3	bc	81	35	8	-	-	1	0	2-3	-
	Upper Heyford	1017.6	-2	ESE	3	bc	82	45	8	1	-	1	Tr	2-3	4000
4	Ross-on-Wye	1016.5	-4	E	3	bc	81	45	7	-	-	1	0	2-3	-
5	Portland Bill	1017.1	+4	E	5	b	68	75	7	-	-	-	Tr	Tr	2500
	Plymouth	1016.5	+2	SSW	3	bc	67	75	7	-	-	-	Tr	2-3	4000
	The Lizard	1016.5	+2	ENE	2	bc	67	75	8	7	-	-	2-3	2-3	5700
	Scilly (St. Mary's)	1017.3	+4	NW	2	bc	69	75	7	-	-	5	0	2-3	-
	Guernsey	1016.1	+2	-	0	bc	72	65	7	-	1	1	0	2-3	-
6	Pembroke	1016.2	+4	S	4	b	68	65	6	-	7	-	0	1	-
7	Holyhead	1016.7	-2	SW	3	b	73	55	8	-	-	8	0	2-3	-
	Chester (Sealand)	1017.4	-4	SE'S	2	c	80	45	6	-	-	6	0	7-8	-
8	L'pool (Bidston)	1017.4	-4	SSW	2	bc	79	35	7	-	-	4	0	2-3	-
9	Harrogate	1018.3	-6	S	3	b	78	45	7	-	-	5	0	1	-
10	Spurn Head	1019.4	0	ESE	3	bc	65	75	6	3	1	-	2-3	4-6	4000
	Catterick	1018.1	-8	SE'S	3	bc	77	45	8	1	-	4	0	2-3	-
	Tynemouth	1018.3	-4	SE	2	bc	60	85	7	2	-	1	1	4-6	2500
11	Inchkeith	1017.5	-4	NE	3	bc	61	75	8	-	4	2	0	4-6	-
	Leuchars	1018.0	-4	NE	2	bc	64	75	7	-	-	6	0	4-6	-
12	Renfrew (Abbotts I)	1015.9	-6	S'W	3	b	79	45	6	-	-	-	0	0	-
	Eskdalemuir	1016.9	-4	S	3	b	77	35	6	-	-	1	0	Tr	-
13A	Tiree	1016.4	+14	SW	3	c	66	65	8	1	7	6	Tr	9	5700
13B	Stornoway	1013.3	+6	SSW	5	bc	68	65	8	1	8	6	1	2-3	4-6
15	Dalwhinnie	1016.2	-2	S	3	bc	77	35	8	4	-	1	1	2-3	4000
	Aberdeen	1019.1	0	SE	3	b	65	66	7	-	5	-	0	1	-
	Wick	1016.9	-4	S	4	bc	61	85	8	5	1	-	2-3	2-3	4000
16	Lerwick	1018.7	+2	SSW	2	b	57	85	7	5	-	1	Tr	1	1500
17	Blacksod Point	1017.4	+20	NW	1	c	55	95	8	5	2	-	9+	9+	2200
18	Malin Head	1016.3	+20	NW	1	c	63	95	8	2	7	3	1	9	4000
	Aldergrove	1016.4	+4	WSW	2	c	73	55	9	-	3	4	0	7-8	-
	Donaghadee	1016.5	0	-	0	bc	67	75	7	7	3	1	2-3	4-6	2500
19	Birr Castle	1016.5	+4	SW	2	c	72	55	8	1	-	6	Tr	9	4000
20	Valentia Obsy.	1017.8	+14	SSE	2	rr	59	95	7	6	-	-	10	10	800
	Roches Point	1016.9	+6	SW	3	bc	61	85	8	5	-	9	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 7m June

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 P-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)	1017.8	+6	E	4	b	76	35	8	-	-	-	0	0	-	0	*
	Croydon	1017.6	+6	E	4	b	74	45	8	-	-	-	0	Tr	-	0	*
	S. Farnborough	1017.4	+6	ENE	4	b	74	35	7	-	-	-	0	Tr	-	0	*
	Winchester	1017.1	+4	NE	4	bc	76	35	7	-	-	-	0	2-3	-	0	*
	Boscombe Down	1016.6	+4	E	3	b	77	35	7	-	-	-	0	1	-	0	*
	Calshot, S'thmtn	1016.6	+4	ESE	2	b	68	65	7	-	-	-	0	1	-	0	*
	Dungeness	*	*	NE	4	b	*	*	8	-	-	*	0	0	-	*	2
	Lympne	1017.4	+2	NE	5	b	67	65	8	-	-	-	0	0	-	*	*
2	Shoeburyness	1018.1	-2	NE'E	5	b	68	65	8	-	-	-	0	0	-	0	*
	Felixstowe	1018.7	+2	NE'N	4	b	66	65	8	-	-	-	0	0	-	0	2
	Gorleston	1020.5	+2	NE'N	3	b	63	85	8	-	-	-	0	0	-	0	-
	Cranwell	1018.0	-2	E'S	4	b	80	45	7	1	-	-	Tr	Tr	4000	0	*
3	Birmingham	1017.2	0	SSE	3	bc	80	35	8	-	8	1	0	2-3	-	0	*
	Upper Heyford	1017.6	+4	E	3	b	78	45	8	-	-	1	0	1	-	0	*
4	Ross-on-Wye	1016.3	-6	SE'E	4	b	79	35	7	-	8	9	0	1	-	0	*
5	Portland Bill	1016.6	-2	ESE	3	b	66	65	7	-	-	-	0	0	-	0	2
	Plymouth	1016.9	+6	SW	1	bc	65	75	7	-	-	1	0	2-3	-	0	2
	The Lizard	1016.8	0	NNW	1	bc	71	65	7	7	4	-	2-3	2-3	5700	0	1
	Scilly (St. Mary's)	1018.2	+4	NW	3	f	58	95	2	5	-	-	10	10	150	0	1
	Guernsey	1015.9	0	ENE	1	bc	71	45	8	-	1	1	0	2-3	-	0	1
6	Pembroke	1017.1	-2	NW	2	bc	66	65	7	7	4	1	2-3	2-3	5700	0	1
7	Holyhead	1017.4	+8	-	0	bc	62	75	7	5	-	8	2-3	4-6	7200	0	0
	Chester (Sealand)	1017.4	+8	NNW	3	c	70	65	7	4	-	2	1	7-8	4000	0	*
8	L'pool (Bidston)	1017.6	0	NNW	2	bc	68	65	7	-	-	2	0	4-6	-	0	*
9	Harrogate	1017.5	-6	S	1	b	78	45	7	-	-	2	0	1	-	0	*
10	Spurn Head	1018.7	-2	SE	3	bc	60	85	7	-	1	-	0	2-3	-	0	2
	Catterick	1016.9	-2	SE'E	2	bc	78	45	7	-	-	2	0	4-6	-	0	*
	Tynemouth	1017.6	-8	SE	2	bc	60	85	6	4	-	1	4-6	4-6	4000	0	1
11	Inchkeith	1017.4	-4	N	2	bc	58	85	7	5	-	1	2-3	4-6	1500	0	2
	Leuchars	1017.5	-4	NE	3	b	61	75	7	-	-	5	0	Tr	-	0	*
12	Renfrew (Abbotts I)	1016.7	+6	WSW	3	3c	73	55	6	-	-	6	Tr	2-3	4000	0	*
	Eskdalemuir	1016.8	+2	SW'W	2	bc	75	45	8	-	-	1	0	2-3	-	0	*
13A	Tiree	1019.3	+2	WNW	3	c	56	85	8	5	3	8	Tr	9+	450	0	3
13B	Stornoway	1015.7	+12	WNW	4	c	57	85	8	5	7	-	4-6	9+	1500	1	2
15	Dalwhinnie	1017.0	+4	S	2	bc	70	55	8	5	4	-	4-6	4-6	4000	0	*
	Aberdeen	1018.5	-2	ESE	3	bc	60	75	7	-	-	8	0	2-3	-	0	0
	Wick	1016.5	-4	S	4	bc	60	85	8	8	1	8	2-3	4-6	2500	0	2
16	Lerwick	1018.7	0	SSW	3	b	56	85	7	5	-	-	1	1	1500	0	*
17	Blacksod Point	1020.8	+12	NW	1	bc	59	75	8	5	-	-	4-6	4-6	800	0	2
18	Malin Head	1020.3	+22	NW	4	c	57	95	8	8	6	-	9	9+	2500	0	2
	Aldergrove	1018.3	+12	NNW	4	c	66	75	8	5	3	2	Tr	9+	4000	0	*
	Donaghadee	1018.5	+10	ENE	2	bc	58	85	7	7	3	1	2-3	4-6	2500	0	0
19	Birr Castle	1018.9	+20	SW	1	c	63	85	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	1020.7	+14	NW'N	4	c	55	95	8	5	-	-	9	9	1500	1	2
	Roches Point	1018.8	+12	SW	3	c	63	85	8	6	-	-	9	9	1500	1	2

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. Th.—13h. 7m (37)	Weather. 13h.—18h. 7m (38)	Weather. 18h. 7m to 1h. 8m (39)	Weather. 1h.—7h. 8m (40)
London (Kew)	b3o b	by	b	b3o
Croydon	b3o by	by	byb	b3o
S. Farnborough	b3o by	by	byb	by
Winchester	bc m o by	by	byb	b
Boscombe Down	b3o y	bc y	b	bm.
Calshot, S'thmtn	bm. by	by		b
Dungeness	b	b	*	b
Lympne	by by	by	b	b
Shoeburyness	by	by	bw	bw by
Felixstowe	b	b	b	b
Gorleston	b	b		b
Cranwell	b	b by	by	b
Birmingham	b	b	bbc	bcb
Upper Heyford	by	by	by	b
Ross-on-Wye	by 3o	by	by l	bm. w
Portland Bill	bc	bcb	b	b
Plymouth	b bc b	b	bw	bw bc
The Lizard	bc	bc	bcc	c 3o w
Scilly (St. Mary's)	b b c	b c ff	ffc	c bc c w
Guernsey	bc 3	bc	bc	bc b 3
Pembroke	b 3o	b 3o bc	bc 3o bc	bcc
Holyhead	b 3o	by 3o b	bcc	ct
Chester (Sealand)	bc 3o c y	b c y	bcb	bc w m.
L'pool (Bidston)	by b c y	by	b bc	cw
Harrogate	b	b	b	b
Spurn Head	bc	bc	bc w	bc
Catterick	by	by	bc y b	b w b
Tynemouth	b b c	bc	bc	bc
Inchkeith	bc	bc	bc	bcc
Leuchars	b w m. b	b c b	b b w	bbc w m.
Renfrew (Abbotts I)	c m. b c b 3.	b 3. 4	by b 3.	bbc m.
Eskdalemuir	by	by	by b	bbcc
Tiree	b b c	c	c	c w
Stornoway	bc	bcc	c	c
Dalwhinnie	b	b		c
Aberdeen	b	by b c	bc	bc
Wick	b c	bc	pr. bc	c
Lerwick	bc	bc	bc	bc
Blacksod Point	c R	c b c	bc	pr. bc
Malin Head	b c c	c	c pr.	c
Aldergrove	b c y	b c c y	c	c pr.
Donaghadee	bc	bc	bc	bc
Birr Castle	b c c y	c	c o r.	~~b c r.~~ r c y
Valentia Obsy.	c i r c r r	r r d c	c b w	bc w bc
Roches Point	c b c	b c c r.	c i r. c	c i r.

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.
"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.*

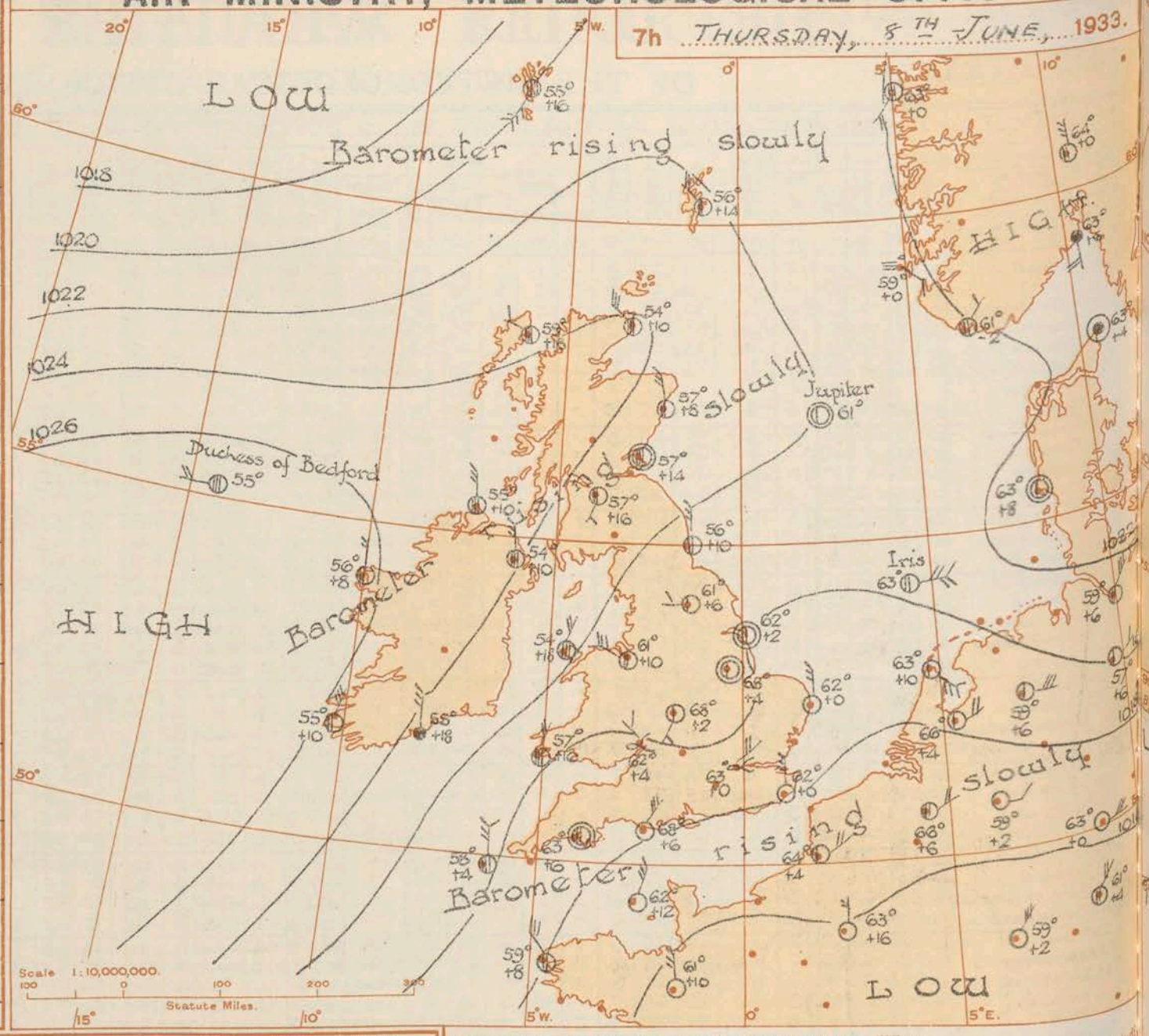
REPORTS from HEALTH RESORTS for 7m. June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. Gch. to 9h. 7m.	Temperature. Max. 9h.—17h. 7m.	Rainfall. Night. 17h. Gch. to 9h. 7m.	Rainfall. Day. 9h.—17h. 7m.	Sunshine. Sunrise to 17h. 7m.	Sunshine. Sunrise to Sunset. Gch.
1	Tunbridge W.	b	b	52	80	—	—	12.5	12.9
	Bournemouth	b	b	55	82	—	—	12.4	13.2
	Ventnor ...	bz	bz	65	75	—	—	12.1	11.4
	Southsea ...	b	b	60	80	—	—	12.4	12.9
	Bognor Regis	b	b	60	80	—	—	12.1	11.0
	Littlehampton	bcb	b	57	81	—	—	12.7	11.3
	Worthing ...	b	b	61	81	—	—	12.6	12.4
	Brighton ...	b	b	61	84	—	—	12.5	12.7
	Eastbourne†	b	by	59	73	—	—	12.6	12.2
	Hastings† ...	b	b	59	77	—	—	12.9	12.8
	Folkestone ...								
	Dover... ...	yb	by	59	74	—	—	12.7	13.8
	Deal	b	b	50	69	—	—	12.2	12.6
	Ramsgate ...	b	b	60	68	—	—	12.5	14.5
	Margate ...	b	b	57	67	—	—	12.4	15.0
2	Southend ...	bz	b	56	77	—	—	12.3	14.2
	Maldon ...	b	b	53	77	—	—	12.4	13.3
	Clacton-on-Sea	by	by	58	72	—	—	11.8	14.2
	Dovercourt ...	b	b	55	73	—	—	12.3	14.8
	Lowestoft ...	b	b	55	69	—	—	12.9	15.1
	Skegness ...	b	b	55	72	—	—	12.8	15.3
	Mablethorpe	b	b	44	69	—	—	12.2	14.9
	Cleethorpes ...	bz	b	48	68	—	—	12.2	14.2
3	Leamington S.	b	b	55	83	—	—	12.8	14.7
4	Cheltenham†	bzob	bzoy	58	83	—	—	12.8	10.3
5	Bath	b	b	54	85	—	—	12.4	13.2
	Weymouth ...	by	by	59	75	—	—	12.5	14.2
	Jersey ...	b	b	61	82	—	—	12.3	15.0
	Torquay ...	bwy	bby	55	73	—	—	12.4	14.7
	Penzance ...	b	b	53	73	—	—	11.6	13.4
	St. Ives ...	b	b	54	72	—	—	12.4	0.1
	Bude	b	bbc	50	70	—	—	12.1	14.2
	Ilfracombe ...	b	b	58	71	—	—	11.8	14.0
6	Aberystwyth	bcb	b	55	79	—	—	12.3	0.3
7	Llandudno ...	b	b	57	82	—	—	12.2	11.0
	Colwyn Bay...	b	bbc	56	83	—	—	12.2	10.9
	Rhyl	by	by	55	86	—	—	12.0	9.6
8	Wallasey ...	bz	bz	55	84	—	—	11.7	11.0
	Southport‖ ...	b	bbcb	55	83	—	—	11.1	13.4
	Blackpool ...	bcb	bcc	58	82	—	—	12.4	13.8
	Morecambe ...	b	b	62	79	—	—	12.0	14.0
9	Ilkley... ...	b	b	48	83	—	—	10.0	10.2
10	Berwick-on-T.	b	bcc	51	60	—	—	12.5	15.1
11	Dunbar ...	bc	bc	57	73	—	—	12.1	15.0
12	Troon... ...	wbc	bcc	57	74	—	—	9.1	10.0
	Douglas ...	bcz	bc	57	74	—	—	11.5	11.6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h THURSDAY, 8TH JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate northeast or north wind, fine; somewhat cooler, but still very warm at first in many places.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate northerly wind; fair or fine; somewhat cooler.
9. N Midlands 10. N.E England 11. S.E. Scotland	Light northerly wind; mainly fine; somewhat cooler but still warm.
12. S.W. Scotland & Isle of Man	Light or moderate north or northwest wind; variable cloud; rather warm.
13. {A. W Scotld. B. N W. Scotland	Light or moderate westerly wind; variable cloud; cooler but still rather warm.
14. Mid-Scotland	As 9 - 11.
15. N.E. Scotland 16. Orkneys and Shetlands	As 13B.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S.W. Ireland	Light or moderate north or northwest wind; variable cloud; cooler but still rather warm.

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. TThunder. ↯Thunderstorm. ∞ Haze.
SEA DISTURBANCE. ~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high from west of Ireland across Scandanavia to North Russia, and low to north of Iceland and to south of France. Weather will be mainly fine or fair and, in most parts of Great Britain, somewhat cooler than of late.

FURTHER OUTLOOK.

Fair or fine over most of the country.

Forecasts issued at 1050 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
June 8th.
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 8th June 1933.

No. 26131

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

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	1019.1	+4	ENE	1	b	58	75	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018.9	+2	NNE	3	b	56	85	7	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1019.6	-4	NNW	1	b	58	85	7	–	–	–	0	0	–
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1018.4	+6	ENE	2	b	64	75	7	–	–	–	0	0	–
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1018.6	+2	N	3	c	59	85	8	5	4	8	2-3	9+	4000
	Scilly (St. Mary's)	163	1019.7	+2	NW	3	c	57	95	8	5	7	6	2-3	9	4000
	Guernsey	175	1017.4	0	NNW	2	bc	59	85	7	–	3	–	0	4-6	–
6	Pembroke	142	1017.6	+4	NE	1	bc	58	95	7	7	7	–	2-3	4-6	4000
7	Holyhead	26	1019.6	+12	N'E	5	l	55	95	7	5	–	8	9+	9+	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1019.4	+2	S'E	3	bc	58	95	7	–	1	–	0	2-3	–
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1018.8	+4	S	2	bc	62	85	6	5	–	2	4-6	4-6	800
11	Inchkeith	190	1019.7	+6	WSW	1	bc	58	85	7	5	–	–	4-6	4-6	1500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	84	1021.1	+12	–	0	c	51	95	9	8	7	–	4-6	7-8	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1021.0	+12	NW	4	c	53	95	8	5	7	8	4-6	9	2500
16	Lerwick	54	1020.6	+10	WSW	2	bc	53	85	7	5	–	–	2-3	2-3	1500
17	Blacksod Point	18	1024.5	+8	–	0	b	51	95	8	2	–	–	1	1	800
18	Malin Head	52	1023.2	+6	NW	2	bc	55	95	8	5	3	2	2-3	4-6	2500
	Aldergrove	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023.7	+10	N	3	b	53	85	8	–	4	–	0	1	–
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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	+4	N'E	1	b	65	55	5	–	–	–	0	0	–	0	*
	Croydon	1019.1	0	NE'E	2	3o	63	65	6	–	–	–	0	0	–	0	*
	S. Farnborough	1018.3	0	NNW	1	b	62	75	7	–	–	–	0	0	–	0	*
	Winchester	1018.7	+4	N'E	1	b	64	75	7	–	–	–	0	0	–	0	*
	Boscombe Down	1019.2	+4	NNW	2	b	62	65	6	–	–	1	0	Tr.	–	0	*
	Calshot, (S'thmtn)	1018.6	+4	NWN	2	b	63	75	7	–	–	–	0	0	–	0	0
	Dungeness	*	*	N	2	b	*	*	6	–	–	*	0	0	–	*	0
	Lympne	1018.8	0	N	3	b	62	75	7	–	–	–	0	0	–	0	*
2	Shoeburyness	1019.5	0	NNE	2	b	64	55	8	–	–	–	0	0	–	0	*
	Felixstowe	1019.0	+2	N	2	b	62	65	7	–	–	–	0	0	–	0	1
	Gorleston	1019.1	0	N	3	b	62	75	6	–	–	–	0	0	–	0	2
	Cranwell	1020.4	+4	–	0	b	65	75	7	–	–	1	0	1	–	0	*
3	Birmingham	1020.2	+2	SSW	1	b	68	65	7	–	–	1	0	1	–	0	*
	Upper Heyford	1020.2	+10	N	1	b	65	65	8	–	–	1	0	Tr.	–	0	*
4	Ross-on-Wye	1019.6	+4	NW	1	3o	62	75	6	–	–	1	0	1	–	0	*
5	Portland Bill	1018.7	+6	NE	3	b	68	65	7	–	–	–	0	0	–	0	2
	Plymouth	1019.0	+6	–	0	bc	63	75	8	–	–	6	0	4-6	–	0	1
	The Lizard	1019.5	+6	NNW	2	c	59	95	7	5	2	–	4-6	7-8	2500	0	1
	Scilly (St. Mary's)	1020.4	+4	N'W	4	c	58	95	8	2	7	–	2-3	9	4000	0	2
	Guernsey	1017.7	+2	N'E	3	b	62	85	6	–	–	–	0	0	–	0	2
6	Pembroke	1019.8	+10	NNE	2	c	57	85	7	5	6	9	4-6	7-8	2500	0	2
7	Holyhead	1022.2	+18	N'E	2	u	54	95	7	5	–	8	7-8	9+	5700	0	2
	Chester (Sealand)	1021.0	+10	NWW	4	bc	61	85	6	–	3	–	0	4-6	–	0	*
8	L'pool (Bidston)	1021.2	+6	NWW	3	c	58	95	7	5	–	7	1	10	1500	0	*
9	Harrogate	1020.4	+6	W	1	b	61	85	5	2	–	9	Tr.	1	4000	0	*
10	Spurn Head	1019.3	+2	–	0	bc	62	85	7	–	1	–	0	2-3	–	0	1
	Catterick	1021.3	+14	N	3	3o	61	85	5	4	–	1	Tr.	Tr.	5700	0	*
	Tynemouth	1020.6	+10	N	4	bc	56	85	7	9	–	–	4-6	4-6	2500	0	2
11	Inchkeith	1022.9	+10	E	1	bc	59	85	8	7	–	–	4-6	4-6	2500	0	1
	Leuchars	1022.1	+14	–	0	c	57	85	6	–	–	2	0	7-8	–	0	*
12	Renfrew (Abbotts L)	1022.3	+16	SW'S	1	bc	57	85	7	7	–	1	2-3	4-6	4000	0	*
	Eskdalemuir	1022.7	+14	N'E	3	c	58	85	7	5	–	–	10	10	1500	0	*
13A	Tiree	1025.0	+10	NNW	2	c	54	85	7	–	3	6	0	9	–	0	2
13B	Stornoway	1023.2	+18	WNW	1	c	59	65	8	8	7	–	4-6	7-8	1500	1	0
15	Dalwhinnie	1024.1	+16	NE	3	c	54	95	6	4	–	–	10	10	450	0	*
	Aberdeen	1023.2	+8	NNW	3	bc	57	75	8	7	4	8	4-6	4-6	4000	0	0
	Wick	1024.1	+10	NW	3	c	54	95	8	8	1	–	7-8	9+	2500	0	2
16	Lerwick	1022.3	+14	NW	2	bc	56	85	8	7	–	–	2-3	2-3	1500	0	*
17	Blacksod Point	1026.4	+8	N	2	bc	56	75	9	2	–	–	4-6	4-6	1500	0	2
18	Malin Head	1025.3	+10	N'W	3	c	55	95	8	2	5	9	1	9	2500	0	1
	Aldergrove	1023.9	+10	NNW	4	c	54	85	9	8	4	2	4-6	7-8	4000	1	*
	Donaghadee	1023.6	+8	N	3	bc	54	85	8	–	4	2	0	4-6	–	0	2
19	Birr Castle	1024.9	+18	N	1	c/r	54	95	7	6	7	–	4-6	9+	2500	1	*
20	Valentia Obsy.†	1025.8	+10	N'E	3	bc	55	75	8	1	–	–	2-3	2-3	1500	1	1
	Roches Point	1022.8	+18	N	4	r.	55	85	8	6	–	–	7-8	7-8	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 7th Hrs. (36)
1	London (Kew)	80	58	45	–	–	14.6
	Croydon	80	54	48	–	–	14.8
	S. Farnborough	83	49	38	–	–	14.7
	Winchester	83	52	45	–	–	15.1
	Boscombe Down	83	53	44	–	–	14.2
	Calshot, (S'thmtn)	76	56	50	–	–	14.8
	Dungeness	72	51	*	–	–	*
	Lympne	74	53	49	–	–	15.1
2	Shoeburyness	76	50	47	–	–	14.6
	Felixstowe	70	53	47	–	–	14.6
	Gorleston	67	54	49	–	–	14.9
	Cranwell	85	50	45	–	–	14.5
3	Birmingham	83	58	42	–	–	13.6
	Upper Heyford	82	54	43	–	–	*
4	Ross-on-Wye	83	53	44	–	–	14.5
5	Portland Bill	69	60	*	–	–	*
	Plymouth	74	56	46	–	–	14.1
	The Lizard	72	58	*	–	–	*
	Scilly (St. Mary's)	71	55	*	–	Tr.	12.5
	Guernsey	74	57	52	–	–	14.7
6	Pembroke	68	53	*	–	–	14.0
7	Holyhead	74	53	51	–	–	13.5
	Chester (Sealand)	84	51	45	–	–	13.7
8	L'pool (Bidston)	83	54	53	–	–	13.6
9	Harrogate	80	56	51	–	–	14.0
10	Spurn Head	65	55	*	–	Tr.	15.3
	Catterick	79	54	48	–	–	13.9
	Tynemouth	61	54	52	–	–	*
11	Inchkeith	62	55	44	–	–	14.2
	Leuchars	65	46	39	–	–	13.7
12	Renfrew (Abbotts L)	80	52	48	–	–	10.4
	Eskdalemuir	80	53	53	–	–	14.8
13A	Tiree	67	52	35	–	–	10.4
13B	Stornoway	70	49	*	–	–	13.8
15	Dalwhinnie	78	45	37	–	–	15.3
	Aberdeen	67	52	45	–	–	*
	Wick	63	51	*	–	Tr.	*
16	Lerwick	59	52	*	–	–	14.9
17	Blacksod Point	61	50	*	2	Tr.	*
18	Malin Head	70	53	*	–	Tr.	7.3
	Aldergrove	75	52	48	–	0.2	11.4
	Donaghadee	72	51	*	–	–	*
19	Birr Castle	72	52	53	–	3	7.3
20	Valentia Obsy.†	60	50	41	1.4	0.1	1.1
	Roches Point	65	54	*	0.1	2	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 8h–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. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	b3o b	by	b3o	80	58	45	–	–	14.6	*	*	7
Croydon	217	b3o by	by	by b3o	80	54	48	–	–	14.8	*	*	6
Greenwich (Royal Observatory)	149	by	by	by	80	55	42	–	–	14.9	34	50	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	14.4	*	*	*
Westminster (St. James' Park)	27	*	*	*	81	60	50	–		14.5	29	43	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	83	57	49	–		14.1	42	56	*
Camden Square	110	b	b	*	84	57	50	–		*	*	51	*
Kensington	80	b	b	*	82	58	47	–	–	14.9	At 18h 48		*
Hampstead Observatory	450	bm	bc	bc	79	56	47	–	–	14.5	43 *	53	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
06	7-10h 7m	Nil	13-19h 7m

Kew Observatory. Max.	Time.	Min.	Time.
Defective record			

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 7th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012.5	NE	3	b	81	1015.8	N	2	b	63
Brussels	1015.5	NE'N	4	bc	73	1016.8	ENE	2	bc	66
Berlin	1017.8	NE	3	c/pr	63	1019.6	NNE	1	b	61
Zürich	10120	ENE	4	bc	70	1013.5	NNW	1	b	55
Rome						1009.8	NNE	1	bc	64

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
84	55	–	–
77	55	–	–
72	52	Tr.	–
79	60	–	–
–	54		–

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.

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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 9th June 1933.

No. 24132

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

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)	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	-4	NE	4	bc	77	35	7	1	-	-	2·3	2·3	4000
	Croydon	1018·3	-2	ENE	4	b	79	35	8	1	-	-	Tr	Tr	4000
	S. Farnborough	1017·3	-6	NE	3	b	80	35	7	1	-	-	2·3	2·3	4000
	Winchester	1018·3	-6	NE	4	b	78	45	7	1	-	-	Tr	Tr	4000
	Boscombe Down	1018·4	-6	NE	4	b	78	35	7	1	-	-	Tr	Tr	4000
	Calshot, S'thmtn	1018·2	-10	N	5	b	80	45	7	1	-	-	Tr	Tr	4000
	Dungeness	*	*	NE	2	bc	*	*	7	5	-	*	2·3	2·3	2500
	Lympne	1018·8	-2	NNE	4	b	70	65	8	1	-	1	Tr	1	4000
2	Shoeburyness	1019·7	0	ENE	4	b	67	75	8	1	-	-	Tr	Tr	4000
	Felixstowe	1019·7	+6	NE	4	fs	63	85	8	2	-	1	1	2·3	4000
	Gorleston	1019·8	+4	NE	2	bc	61	85	8	1	-	2	0	4·6	-
	Cranwell	1019·7	-2	ENE	3	b	62	45	7	1	-	-	1	1	5700
3	Birmingham	1019·3	-6	NNE	3	bc	76	45	8	3	-	-	4·6	4·6	4000
	Upper Heyford	1018·8	-12	NNE	4	bc	79	45	8	1	-	-	2·3	2·3	4000
4	Ross-on-Wye	1019·0	0	NNE	3	3o	79	45	7	1	-	1	1	1	4000
5	Portland Bill	1018·7	0	NE	2	bc	68	75	7	4	-	-	2·3	2·3	2500
	Plymouth	1019·3	+2	S'E	2	bc	70	65	7	1	-	4	2·3	2·3	4000
	The Lizard	1020·0	+4	-	0	bc	73	55	7	1	4	-	2·3	2·3	4000
	Scilly (St. Mary's)	1021·0	+4	N'E	5	c	61	85	7	5	1	-	7·8	9+	4000
	Guernsey	1019·0	+4	NE	2	b	69	65	7	-	-	-	0	0	-
6	Pembroke	1021·2	+4	N	4	bc	61	75	6	5	-	-	2·3	2·3	2500
7	Holyhead	1022·7	+2	N	4	b	58	85	7	1	8	7	0	9+	-
	Chester (Sealand)	1021·7	+2	NW	5	bc	63	75	7	2	-	1	Tr	4·6	4000
8	L'pool (Bidston)	1022·2	+2	NW	4	c	60	85	8	-	-	6	0	7·8	-
9	Harrogate	1021·6	0	N	3	b	67	75	6	-	-	-	0	0	-
10	Spurn Head	1021·5	+4	NE	4	bc	65	85	6	5	3	-	2·3	4·6	2500
	Catterick	1022·7	+8	N'E	4	c	64	75	6	7	-	-	7·8	7·8	2500
	Tynemouth	1022·0	+6	N	4	o/c	52	95	6	6	-	-	10	10	1500
11	Inchkeith	1024·7	+4	E	2	c/pr	56	95	8	6	7	-	7·8	10	2500
12	Leuchars	1024·5	+4	E	3	c	59	75	7	8	7	8	2·3	9	4000
	Renfrew (Abbotts I)	1023·1	+2	E	2	3o	69	65	6	7	-	-	10	10	4000
	Eskdalemuir	1023·0	+6	NE	4	c	65	65	8	7	-	1	7·8	7·8	2500
13A	Tiree	1026·8	+6	NNW	3	bc	58	75	9	1	4	2	Tr	4·6	4000
13B	Stornoway	1024·8	+8	S	2	c	57	75	9	8	6	2	4·6	7·8	2500
15	Dalwhinnie	1025·8	+4	SSE	2	c	58	75	8	4	2	-	4·6	10	1500
	Aberdeen	1024·9	+6	NNE	4	c	61	65	8	1	8	8	1	7·8	2500
	Wick	1025·7	+12	NNE	3	c	60	75	8	7	1	8	4·6	7·8	2500
16	Lerwick	1025·3	0	NNE	2	bc	58	65	9	7	1	8	1	2·3	2500
17	Blacksod Point	1028·1	+4	N	3	bc	59	75	9	2	-	-	4·6	4·6	1500
18	Malin Head	1027·2	+6	N	5	c	57	95	8	2	4	4	2·3	7·8	2500
	Aldergrove	1025·2	+6	NNE	5	c	60	95	9	5	9	2	Tr	9+	4000
	Donaghadee	1024·6	+10	N	3	bc	55	85	8	7	3	-	2·3	4·6	4000
19	Birr Castle	1025·4	+6	N	1	c	63	65	8	7	-	-	9+	9+	2500
20	Valentia Obsy.	1026·7	+2	N	4	b	52	65	9	1	-	1	Tr	Tr	2500
	Roches Point	1024·1	+6	N	4	c	62	75	8	5	-	-	7·8	7·8	2500

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

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)
1018·7	+4	E	4	b	75	35	8	-	-	-	0	0	-	0	*
1018·2	+10	ENE	3	b	73	45	8	1	-	-	Tr	Tr	4000	0	*
1017·9	+4	E	3	b	75	45	7	1	-	-	Tr	Tr	4000	0	*
1017·9	-2	ENE	3	b	77	45	8	1	-	-	Tr	Tr	4000	0	*
1017·9	+2	NE	2	b	77	35	7	-	3	-	0	Tr	-	0	*
1017·8	0	SW	3	b	72	55	7	-	-	-	0	0	-	0	-
*	*	NE	2	b	*	*	7	-	4	*	0	Tr	-	*	-
1018·0	+2	NE	3	b	67	55	8	-	-	3	0	1	-	0	*
1019·3	+2	ENE	3	b	66	65	8	-	-	1	0	1	-	0	*
1019·4	0	NE	4	bc	65	65	9	-	-	3	0	2·3	-	0	2
1020·5	+6	NE	3	bc	61	75	7	-	8	-	0	4·6	-	0	2
1020·7	+10	NE	3	b	71	65	7	-	-	1	0	1	-	0	*
1020·2	+6	NW	3	pr. bc	65	85	7	9	-	-	7·8	7·8	4000	0	*
1018·6	+2	ENE	4	bc	75	45	8	3	-	9	2·3	2·3	4000	0	*
1019·0	+4	N'E	4	u	73	65	8	8	-	-	9	9	4000	0	*
1017·6	+8	NW	2	bc	62	85	7	4	-	-	2·3	2·3	2500	0	2
1019·1	-2	NNE	4	pr.	70	65	8	8	-	-	7·8	7·8	4000	0	1
1019·9	0	NNW	3	pr. bc	66	85	7	7	4	-	2·3	2·3	4000	0	-
1021·6	0	N	4	bc	58	85	7	-	-	1	0	2·3	-	0	-
1018·5	-4	NE	2	b	68	55	7	-	-	-	0	0	-	0	2
1021·0	+8	NE	5	q	60	65	7	5	7	-	2·3	7·8	4000	0	2
1022·9	0	N	5	c	55	85	7	5	-	8	4·6	9+	7200	0	2
1021·8	+4	NW	4	c	62	75	7	5	8	-	9	9	7200	0	*
1022·2	0	NW	4	c	58	85	8	5	-	-	9	9	2500	0	*
1025·0	+6	NNW	3	c	56	85	6	5	2	-	9	10	2500	0	*
1021·9	+2	NE'N	5	c	57	95	5	5	1	9	4·6	7·8	800	0	3
1023·9	+10	NNE	4	c	55	95	5	5	-	-	10	10	800	0	*
1023·6	+8	N	4	of	51	95	2	5	-	-	10	10	800	1	2
1026·0	+8	E	2	c	55	85	8	5	7	-	4·6	9+	2500	0	2
1025·5	+12	ENE	3	c	54	85	7	5	7	-	7·8	10	2500	1	*
1024·5	+10	NE	4	c	61	75	6	5	2	-	7·8	9+	4000	0	*
1024·6	+8	NNE	4	c	58	75	8	7	2	1	4·6	7·8	2500	0	*
1027·4	+4	NNW	4	b	56	75	9	1	4	2	Tr	1	4000	0	3
1025·6	+4	NW	2	c	57	75	9	8	6	-	4·6	7·8	1500	1	1
1026·4	+6	NE	2	c	55	85	8	4	4	-	4·6	10	2500	1	*
1026·5	+10	N	2	c/r	55	85	8	9	9	-	4·6	7·8	1500	1	1
1026·7	+6	NNE	3	c	56	75	8	7	7	1	4·6	7·8	2500	0	2
1025·6	+12	NNE	2	bc	57	75	9	7	7	4	1	4·6	1500	0	*
1028·5	+4	N	4	bc	57	75	9	2	-	-	4·6	4·6	800	0	3
1028·2	+8	N	4	bc	56	95	8	2	5	-	1	2·3	2500	0	1
1026·0	+8	NNE	4	jp	56	75	9	5	7	4	Tr	9+	4000	1	*
1025·3	+2	N	3	c	55	75	8	5	-	2	4·6	7·8	2500	0	2
1025·2	0	NNE	1	c	65	55	8	5	4	-	7·8	7·8	2500	1	*
1027·0	+2	N'E	4	b	60	65	9	1	-	1	1	1	2500	1	2
1023·9	+6	N	3	bc	66	65	8	5	-	-	4·6	4·6	2500	0	3

PAST 24 HOURS.

WEATHER. 7h.–13h. (37)	13h.–18h. (38)	18h. to 1h. (39)	1h.–7h. (40)
by	bcby	by	b
b3o4	by	byb	bc3o
by	bcyby	bycb	bw
by	bbcby	byb	bbo
by	by	bc	b
b	bc by	by bw	bw
b	b	*	bc
byb	by	byb	bbc
byb	b	bw	bwbc
b	bo	bcv	bc
off	bc	bcbq	bbcq
bbcb	byb	bc	om.
bbc	bctl	ctbc	bcc
bbcy	bcby	bbcw	bcw
b3obq3o	bq3oct	ctobcc	cbcc
bbc	bc	bc	bcb
bcbbc	bcpr.	bcbbc	bcb
cbcy	bc	bcc	c
c	cbc	bc	bccbc
b	b	bbcb	b
cbc3oq	bom.bccq	cm.bcq	bcqcq
tr.q c	ct	c	tl, PRo
b	bccu	c	cm.
cbc	bcc	r.co	o
b3	bbcc	c	c id.
bc	bcc	ffw	ffbc
b3obc3o	bom.om.	om. do	doo
bbcid.	afefa	afefeir.	oirocq
cprtl	c	c	cir
bcwm.c	pr.rrtc	cpr.c	cpr.c
bcc3o	bc3o	c3. m.	cm.cr.
ctbc	bcc	c	c
cbc	bcb	bw	b
c	c	cbcc	c
c	cr	*	c
bcq	bcr.	cir.	cpr.
c	c	cbc	bcc
bc	bc	bc	bc
bc	bc	bc	bc
c	cbc	bc	bc
c	cu	cp.	c
bc	bcc	c	c
c	cq	cbc	bcc
bcb	b	bw	bwbc
ccirc	cbc	bcvb	bbc

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_2, 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.

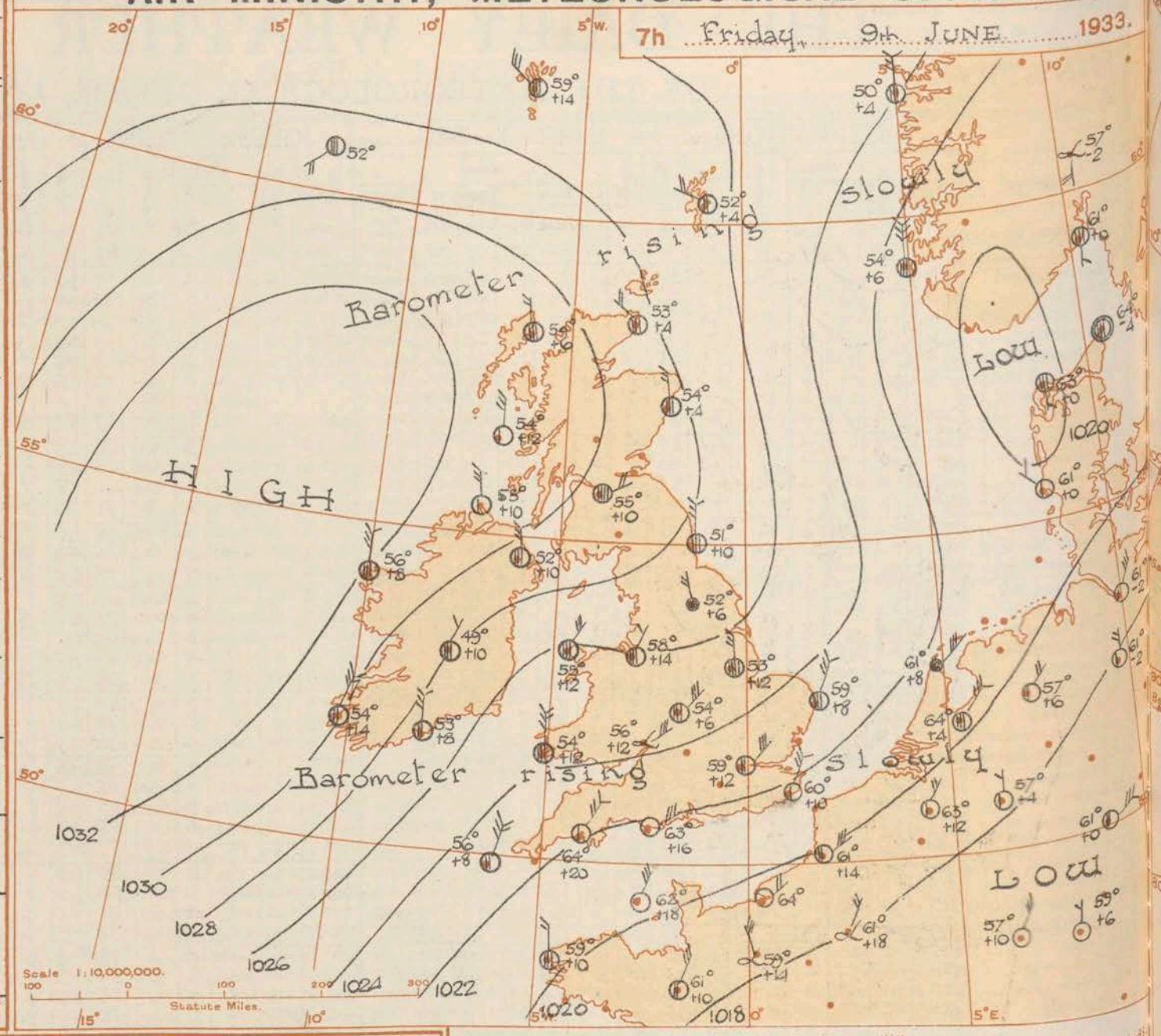
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 5th June 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.	b	b	51	77	–	–	12.4	14.6
	Bournemouth	b	b	54	83	–	–	12.4	14.5
	Ventnor ...	bz	bz	63	77	–	–	12.0	14.0
	Southsea ...	b	b	60	82	–	–	12.3	14.7
	Bognor Regis	b	b	59	77	–	–	12.1	14.1
	Littlehampton	b	b	57	78	–	–	12.6	15.0
	Worthing ...	b	b	59	78	–	–	12.6	15.2
	Brighton ...	b	b	60	81	–	–	12.5	14.8
	Eastbourne†	byb	b	58	78	–	–	12.7	14.8
	Hastings† ...	b	b	56	76	–	–	12.7	14.9
	Folkestone ...	b	b	55	73	–	–	12.5	14.5
	Dover... ...	yb	by	57	71	–	–	12.7	15.0
	Deal	b	bb	‖ 53	68	–	–	8.7	14.7
	Ramsgate ...	b	b	57	67	–	–	12.5	14.6
	Margate ...	bbcm	cmbcb	57	63	–	–	9.5	14.8
2	Southend ...	b	b	56	75	–	–	12.0	14.6
	Maldon ...	b	b	54	75	–	–	12.6	14.5
	Clacton-on-Sea	by	b	56	71	–	–	12.3	14.1
	Dovercourt ...	b	bcv	54	71	–	–	12.5	14.4
	Lowestoft ...	bfb	b	52	65	–	–	9.3	15.4
	Skegness ...	b	bcob	52	68	–	–	10.7	15.2
	Mablethorpe	bbc	bc	50	67	–	–	10.9	14.5
	Cleethorpes...	b	b	52	68	–	–	12.3	14.5
3	Leamington S.	b	bbcc	53	82	–	–	12.2	13.5
4	Cheltenham†	bybc	bccb	56	83	–	–	10.3	14.3
5	Bath	b	bbcb	53	81	–	–	10.6	14.4
	Weymouth ...	by	bbyc	58	82	–	–	10.9	14.3
	Jersey ...	b	b	60	76	–	–	12.0	14.7
	Torquay ...	byb	by	56	79	–	–	12.2	14.4
	Penzance ...	bcb	b	56	68	–	–	9.8	13.2
	St. Ives ...	b	b	54	61	–	–	3.9	12.8
	Bude	bbc	bc	50	65	–	–	8.7	12.3
	Ilfracombe ...	b	b	57	69	–	–	10.6	11.9
6	Aberystwyth	bc	bcbbc	57	64	–	–	9.8	13.6
7	Llandudno ...	bc	bc	56	61	–	–	8.9	14.2
	Colwyn Bay...	bcb	bbc	56	67	–	–	9.4	14.3
	Rhyl	bcb	bbc	52	64	–	–	8.6	13.9
8	Wallasey ...	b	bbc	55	61	–	–	7.1	14.3
	Southport‖ ...	bbc	bbcc	56	70	–	–	9.4	13.2
	Blackpool ...	bc	bcc	54	71	–	–	8.8	14.4
	Morecambe ...	b	bbcc	57	75	–	–	9.2	13.5
9	Ilkley... ...	b	bcb	54	75	–	–	7.3	11.4
10	Berwick-on-T.	bc	corc	53	57	–	1	8.3	14.7
11	Dunbar ...	bc	bc	53	60	–	–	6.5	14.6
12	Troon... ...	wbc	bcc	55	62	–	–	4.3	16.1
	Douglas ...	cb	bc	54	65	0.3	–	6.9	13.7

† 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. 9th June, 1933.
1. S.E. England	Moderate north or northeast wind; fine or fair; cooler than of late.
2. E. England... 3. E. Midlands	Moderate north or northeast wind; cloudy, especially near coast, but bright intervals; rather cool near coast.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Moderate north or northeast wind; mainly fair, but a slight chance of local thunderstorms; moderate temperature, or rather warm.
8. N.W. England 9. N Midlands 10. N.E England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate northerly wind; cloudy, perhaps local rain at first; probably brighter later; cool near East Coast.
13. {A. W Scotld. B. N W. Scotland} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate north or northwest wind; mainly fair; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S W. Ireland	Light or moderate northerly wind; fair or fine; 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. Haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A large anticyclone is centred off West Ireland. Wind will be mainly from a northerly point. Weather will be cooler than of late in the Southeast and mainly fair or fine in nearly all districts.

FURTHER OUTLOOK.

Fair or fine.

Forecasts issued at 0955 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,
9TH JUNE,
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

Friday 2nd June 1933.

No. 26132

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

Dist.	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	1021.1	+6	ENE	2	b	55	85	8	–	–	1	0	Tr	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.3	+2	NNE	4	b	55	95	8	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1022.0	+8	NE'E	4	b	57	85	8	–	–	1	0	Tr	–
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1019.9	+16	ENE	3	b	63	85	7	2	–	–	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1020.8	0	NNW	4	c	56	85	7	7	4	8	2-3	9	4000
	Scilly(St.Mary's)	163	1022.8	+2	N'E	5	bc	56	85	7	–	8	5	0	4-6	–
	Guernsey ...	175	1019.1	+6	–	0	b	58	85	7	–	–	–	0	0	–
6	Pembroke ...	142	1023.0	+6	NNE	54	q	53	85	7	5	1	–	4-6	4-6	2500
7	Holyhead ...	26	1024.2	+10	N	5	c	54	85	7	–	–	7	0	10	–
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1023.8	+4	NNE	4	F	52	95	1	5	–	–	10	10	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1026.1	+8	N	3	c	51	95	6	6	–	–	10	10	1500
11	Inchkeith ...	190	1027.5	+10	E	2	c	54	95	8	5	2	–	9	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1027.6	+6	–	0	c	53	95	8	8	6	–	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1028.8	+2	NW	2	bc	46	95	8	5	–	2	2-3	4-6	2500
16	Lerwick ...	54	1027.0	+10	WNW	1	c	49	95	8	5	8	1	2-3	7-8	1500
17	Blacksod Point	18	1030.2	+8	N	3	c	53	85	8	5	–	–	7-8	7-8	800
18	Malin Head ...	52	1029.4	+2	NW	4	bc	53	95	8	4	–	6	1	4-6	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028.4	+6	NNE	4	b	54	85	8	–	–	–	0	0	–
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Dist.	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)...	1023.6	+10	N'E	3	b	59	75	7	–	–	1	0	1	–	0	*
	Croydon ...	1022.8	+12	NE	3	bc	59	75	6	1	–	9	1	4-6	2500	0	*
	S. Farnborough	1023.0	+12	NNE	3	bc	60	75	8	1	–	1	Tr	2-3	4000	0	*
	Winchester ...	1022.6	+10	N	3	bc	58	85	7	–	–	1	0	4-6	–	0	*
	Boscombe Down	1023.0	+18	N'E	3	bc	57	85	7	–	–	2	0	2-3	–	0	*
	Calshot,(S'thmtn)	1021.9	+14	N'E	3	b	61	75	7	–	8	1	0	1	–	0	1
	Dungeness ...	*	*	NE'E	3	bc	*	*	7	5	1	*	2-3	4-6	2500	*	0
	Lympne ...	1021.8	+10	NE	4	b	60	75	8	–	3	1	0	1	–	0	*
2	Shoeburyness	1022.7	+12	NNE	3	bc	63	75	8	4	3	–	1	2-3	4000	0	*
	Felixstowe ...	1022.9	+12	N	3	bc	61	75	8	–	4	3	0	2-3	–	0	1
	Gorleston ...	1022.9	+8	N'E	4	c	59	85	7	–	3	–	0	7-8	–	0	3
	Cranwell ...	1025.8	+12	N	3	0	53	95	6	5	–	–	10	10	800	0	*
3	Birmingham ...	1025.6	+6	NE	3	c	54	85	6	5	–	–	9+	9+	1500	0	*
	Upper Heyford	1024.4	+12	NNE	3	c	55	85	7	5	–	2	4-6	7-8	800	0	*
4	Ross-on-Wye ...	1024.2	+12	NE'E	3	3o	56	85	6	5	–	–	9+	9+	2500	0	*
5	Portland Bill...	1021.7	+16	ENE	3	b	63	75	7	–	–	–	0	0	–	0	2
	Plymouth ...	1022.3	+20	NE	4	b	64	65	8	4	–	–	1	1	7200	0	2
	The Lizard ...	1022.2	+16	N	3	c	61	85	7	7	4	8	4-6	7-8	4000	0	0
	Scilly(St.Mary's)	1023.5	+8	N'E	5	bc	56	95	6	–	–	2	0	4-6	–	0	3
	Guernsey ...	1021.0	+18	NNE	3	b	62	75	7	–	–	–	0	0	–	0	2
6	Pembroke ...	1024.1	+12	N	4	q	54	95	7	5	–	–	9+	9+	1500	0	2
7	Holyhead ...	1025.7	+12	NE	3	c	55	95	6	5	–	–	9+	9+	800	1	2
	Chester (Sealand)	1025.9	+14	NE'N	1	3o	58	85	6	5	–	–	9+	9+	2500	0	*
8	L'pool (Bidston)	1026.4	+4	E	2	0	57	85	6	5	–	–	10	10	4000	0	*
9	Harrogate ...	1026.9	+6	NNW	2	id	52	95	6	6	2	–	9+	10	2500	0	*
10	Spurn Head ...	1024.8	+6	N'E	5	bc	57	85	7	5	3	–	2-3	4-6	4000	0	3
	Catterick ...	1026.8	+10	NNW	3	0	53	95	7	6	–	–	10	10	800	0	*
	Tynemouth ...	1027.4	+10	N	4	c	51	95	7	4	–	–	7-8	7-8	4000	0	2
11	Inchkeith ...	1025.0	+8	E	1	c	53	95	8	8	–	–	10	10	4000	1	2
	Leuchars ...	1028.5	+8	SE	1	c	53	85	8	5	–	–	9+	9+	4000	1	*
12	Renfrew(Abbotts L)	1029.0	+10	ENE	2	c/c	55	85	6	5	–	–	10	10	1500	0	*
	Eskdalemuir ...	1028.5	+10	N'E	3	c	50	85	8	5	–	–	10	10	2500	0	*
13A	Tiree	1030.5	+12	N'W	3	b	54	85	8	2	7	1	Tr	Tr	4000	0	3
13B	Stornoway ...	1028.0	+6	NNW	2	c	54	75	8	8	6	–	4-6	9+	1500	0	1
15	Dalwhinnie ...	1030.2	+6	SSE	2	c	50	85	8	4	4	–	4-6	10	2500	0	*
	Aberdeen ...	1029.0	+4	NNW	3	c/p	54	85	8	9	9	9	4-6	7-8	1500	1	1
	Wick	1028.9	+4	NW	2	c	53	95	8	5	1	–	7-8	9+	2500	0	1
16	Lerwick ...	1027.5	+4	WNW	2	c	52	85	8	8	–	–	7-8	7-8	1500	0	*
17	Blacksod Point	1031.8	+8	N	4	c	56	75	9	–	4	–	0	7-8	–	0	3
18	Malin Head ...	1031.4	+10	N'W	3	b	55	95	8	2	–	–	Tr	Tr	4000	0	1
	Aldergrove ...	1029.3	+10	NNW	4	c	52	95	8	5	–	–	9+	9+	2500	0	*
	Donaghadee ...	1028.9	+12	NW	2	c	52	85	7	5	–	–	7-8	7-8	1500	0	2
19	Birr Castle ...	1029.6	+10	NE	1	c	49	95	7	5	–	–	9	9	2500	1	*
20	Valentia Obsy.†	1030.4	+14	N'E	5	bc	54	75	8	1	–	2	1	2-3	1500	1	1
	Roches Point...	1027.2	+8	N	4	bc	53	85	8	3	–	9	2-3	4-6	1500	0	3

PAST 24 HOURS.

Dist.	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 Hrs. (36)
1	London (Kew)...	80	54	50	–	–	14.4
	Croydon ...	79	53	47	–	–	14.5
	S. Farnborough	82	53	42	–	–	14.6
	Winchester ...	80	52	48	–	–	14.9
	Boscombe Down	80	52	47	–	–	14.2
	Calshot,(S'thmtn)	81	56	52	–	–	14.5
	Dungeness ...	69	55	*	–	–	*
	Lympne ...	71	53	51	–	–	15.1
2	Shoeburyness	74	53	48	–	–	14.7
	Felixstowe ...	70	53	51	–	–	14.9
	Gorleston ...	63	56	53	–	–	10.9
	Cranwell ...	82	49	47	–	–	14.5
3	Birmingham ...	81	52	48	0.2	–	10.0
	Upper Heyford	81	51	47	–	–	*
4	Ross-on-Wye ...	80	54	48	–	–	10.6
5	Portland Bill...	74	58	*	–	–	*
	Plymouth ...	73	60	56	Tr	–	11.2
	The Lizard ...	75	56	*	–	–	*
	Scilly(St.Mary's)	61	54	*	–	–	7.7
	Guernsey ...	72	57	50	–	–	14.1
6	Pembroke ...	62	51	*	–	–	11.4
7	Holyhead ...	58	53	51	0.1	2	3.4
	Chester (Sealand)	65	56	52	–	–	9.0
8	L'pool (Bidston)	62	56	53	–	Tr	6.6
9	Harrogate ...	69	52	53	–	Tr	8.2
10	Spurn Head ...	68	50	*	–	Tr	15.4
	Catterick ...	68	51	52	–	Tr	6.2
	Tynemouth ...	56	50	48	Tr	0.2	*
11	Inchkeith ...	60	52	46	0.5	1	2.2
	Leuchars ...	65	51	51	2	0.3	4.3
12	Renfrew(Abbotts L)	70	54	54	–	Tr	3.1
	Eskdalemuir ...	66	49	47	–	–	9.7
13A	Tiree	58	52	48	–	–	13.8
13B	Stornoway ...	62	50	*	–	–	9.3
15	Dalwhinnie ...	60	34	28	–	–	0.0
	Aberdeen ...	63	51	49	0.5	0.6	7.6
	Wick	60	43	*	–	–	*
16	Lerwick ...	62	49	*	–	–	14.6
17	Blacksod Point	59	51	*	–	–	*
18	Malin Head ...	58	51	*	–	–	13.0
	Aldergrove ...	62	50	48	–	Tr	3.7
	Donaghadee ...	60	51	*	–	–	*
19	Birr Castle ...	67	42	32	–	–	4.3
20	Valentia Obsy.†	62	51	44	–	Tr	15.2
	Roches Point...	66	52	*	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	by	bcby	byb	80	54	50	–	–	14.4	*	*	7
CROYDON	217	b3oy	by	bybbc3o	79	53	47	–	–	14.5	*	*	6
GREENWICH (Royal Observatory) ...	149	by	by	b	81	53	42	–	–	14.6	48	62	7
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	14.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	82	55	49	–	–	14.3	32	61	*
‡REGENTS PK. (Botanic Gardens) ...	168	*	*	*	82	53	50	–	–	14.0	42	65	*
CAMDEN SQUARE	110	b	b	*	84	54	51	–	–	*	*	64	*
KENSINGTON	80	bcb	bbcb	*	82	55	48	–	–	14.7	At 18h. 62		*
HAMPSTEAD OBSERVATORY	450	b	bc	b	78	50	48	–	–	14.3	48	66	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.6	7-8h & 11	NIL	10 11h, 0 3-5h

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.1	Whole	period	

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd June. 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	1014.5	NE	2	bc	75	1018.1	NNE	2	3o	61	79	55	–	–
BRUSSELS						1015.5	NNE	2	5o	63		54		–
BERLIN	1017.7	NE'E	2	pr	61	1015.5	NE	3	3o	55	70	52	0.2	0.4
ZÜRICH	1013.1	ENE	4	bc	66	1014.8	ENE	1	b	54	73	48	–	–
ROME	1009.7	–	0	c/c	63	1009.0	NNE	2	bc	61	75	50	1	1

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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 10th June 1933.

No. 26.133

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

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)	1023·6	0	NE	3	c	69	55	7	8	-	-	7-8	7-8	4000
	Croydon	1022·8	-2	NE	3	c	69	55	7	7	7	-	9	9+	4000
	S. Faruborough	1023·3	+2	NE	4	c	71	55	8	7	3	-	7-8	9+	4000
	Winchester	1022·8	0	NE	3	6c	71	65	7	1-	-	-	4-6	4-6	4000
	Boscombe Down	1023·0	+2	NE	3	6	71	55	7	1-	8	-	1	1	5700
	Calshot, S'thmtn	1022·4	+2	NNE	4	6c	73	45	7	7	-	-	4-6	4-6	4000
	Dungeness	*	*	NE	3	6c	*	*	7	1-	-	-	2-3	2-3	2500
	Lympne	1022·9	+4	NNE	4	6	68	45	9	-	-	-	0	1	-
2	Shoeburyness	1023·3	0	E	3	6c	68	65	8	7	3	-	2-3	2-3	4000
	Felixstowe	1023·1	0	N	4	c	66	65	8	7	3	-	7-8	9	2500
	Gorleston	1023·7	+4	NNE	5	c½	60	85	6	7	-	-	10	10	1500
	Cranwell	1025·5	-4	N	4	c	64	65	7	7	-	-	9+	9+	2500
3	Birmingham	1025·3	-2	NE	3	c	66	65	8	7	3	-	4-6	9	4000
	Upper Heyford	1024·3	-6	NE	3	c	69	55	8	7	7	-	7-8	9	2500
4	Ross-on-Wye	1024·1	0	NE	4	3c	67	65	6	8	6	-	7-8	9	4000
5	Portland Bill	1022·9	+4	NE	2	6c	70	65	7	1-	-	-	2-3	2-3	2500
	Plymouth	1022·8	+2	E	3	6	73	45	8	7	3	-	Tr	1	4000
	The Lizard	1023·4	+2	NE	2	6c	71	55	8	6	-	-	1	2-3	5700
	Scilly (St. Mary's)	1024·5	+4	ENE	5	c	61	85	6	7	-	-	7-8	7-8	4000
	Guernsey	1022·0	+6	NE	5	6	64	75	6	-	-	-	0	0	-
6	Pembroke	1024·7	+2	ENE	4	c	58	85	4	5	-	-	9+	9+	2500
7	Holyhead	1027·2	+6	ENE	4	c	57	85	7	5	-	-	9+	9+	4000
	Chester (Sealand)	1026·3	+4	N	1	0/1	60	85	5	5	-	-	10	10	1500
8	L'pool (Bidston)	1027·4	+2	-	0	c	60	75	6	5	2	-	4-6	10	1500
9	Harrogate	1027·5	-6	N	3	c	54	75	7	6	2	-	9	10	2500
10	Spurn Head	1026·9	0	N	4	c	59	85	7	5	2	-	4-6	7-8	4000
	Catterick	1028·4	+4	NNE	3	c	53	75	7	6	-	-	10	10	1500
	Tynemouth	1028·3	0	N	3	c	52	95	7	6	-	-	7-8	7-8	1500
11	Inchkeith	1029·0	-4	E	1	c	61	75	8	8	-	-	9	9	2500
12	Leuchars	1028·5	-2	ESE	3	c	59	75	8	7	-	-	7-8	7-8	4000
	Renfrew (Abbotsl)	1028·7	-2	N	1	c	62	65	7	8	-	-	9+	9+	4000
	Eskdalemuir	1029·0	-6	NE	3	c	61	55	8	7	-	-	7-8	7-8	4000
13x	Tiree	1031·1	0	NNW	2	6c	57	75	9	7	7	-	2-3	4-6	4000
13a	Stornoway	1029·7	0	NNW	2	c	58	65	9	8	6	-	7-8	9+	1500
15	Dalwhinnie	1030·7	0	ESE	1	c	55	75	8	4	4	-	4-6	10	4000
	Aberdeen	1029·9	-4	NNW	3	c	57	55	8	7	-	-	7-8	7-8	4000
	Wick	1029·0	-4	N	3	c	58	75	8	4	-	-	7-8	7-8	2500
16	Lerwick	1027·1	-8	NW	3	c	57	75	8	8	3	-	4-6	7-8	1500
17	Blacksod Point	1032·8	+6	N	4	c	58	75	9	-	7	-	0	7-8	-
18	Malin Head	1032·3	+4	NW	3	c	58	85	8	2	-	9	7-8	7-8	2500
	Aldergrove	1029·6	-2	NNW	4	6c	61	65	9	1	-	-	1	2-3	4000
	Donaghadee	1029·-	+4	N	2	6c	58	75	8	7	3	-	2-3	4-6	2500
19	Birr Castle	1029·1	0	NE	3	c	64	65	8	7	-	-	9	9	2500
20	Valentia Obsy.	1029·9	-4	NNE	5	6c	61	65	9	1	-	2	Tr	4-6	2500
	Roches Point	1027·8	+6	N	4	6c	66	65	9	3	-	-	2-3	2-3	2500

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

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)	1023·9	+6	NNE	4	c	65	65	7	7	-	-	7-8	7-8	4000	0	*
	Croydon	1023·0	+4	NNE	4	c	66	65	7	7	9	9	4-6	7-8	4000	0	*
	S. Faruborough	1023·1	+2	NNE	3	c	68	55	7	8	1	-	4-6	7-8	4000	0	*
	Winchester	1023·0	0	N	4	c	68	55	8	4	-	8	4-6	7-8	4000	0	*
	Boscombe Down	1023·0	+2	N	3	c	67	55	7	7	-	6	4-6	7-8	4000	0	*
	Calshot, S'thmtn	1023·6	0	N	2	c	70	65	7	8	9	-	4-6	7-8	4000	0	1
	Dungeness	*	*	NNW	3	c/r	*	*	9	4	7	*	4-6	7-8	800	*	3
	Lympne	1022·9	+2	NE	3	c/d	60	85	7	7	3	-	4-6	9	2500	0	*
2	Shoeburyness	1023·4	0	NE	4	6c	64	65	8	7	7	-	4-6	4-6	2500	0	*
	Felixstowe	1023·3	+4	NNE	4	c	59	75	8	7	5	-	9+	9+	1500	0	2
	Gorleston	1023·1	0	NNE	6	c	58	75	8	7	-	-	10	10	1500	0	4
	Cranwell	1026·1	+2	N	4	c	59	65	7	7	7	-	7-8	9+	2500	0	*
3	Birmingham	1026·0	+4	NNE	3	c	61	65	7	5	7	-	4-6	9+	1500	0	*
	Upper Heyford	1025·0	+8	NNE	4	c	62	75	8	5	7	-	7-8	9+	1500	0	*
4	Ross-on-Wye	1024·3	+4	NE	3	3c	65	65	8	2	-	9	7-8	7-8	4000	0	*
5	Portland Bill	1022·9	+2	NNW	1	c	65	75	7	5	7	-	4-6	9	1500	1	2
	Plymouth	1023·5	+4	NW	1	c	67	65	8	8	7	-	7-8	7-8	5700	0	1
	The Lizard	1024·1	0	NNW	2	c	69	65	8	8	6	8	7-8	9	4000	0	0
	Scilly (St. Mary's)	1026·1	+4	NNE	3	c	68	65	7	4	1	-	4-6	9+	4000	0	2
	Guernsey	1022·0	0	NE	3	6c	64	75	7	-	-	1	0	4-6	-	0	2
6	Pembroke	1025·4	+2	NNE	3	q	59	85	7	5	4	-	7-8	9	2500	0	2
7	Holyhead	1027·6	0	NNE	4	c	57	85	7	5	4	-	Tr	1	4000	1	2
	Chester (Sealand)	1027·7	+10	NNE	3	3c	57	65	7	5	-	-	10	10	4000	0	*
8	L'pool (Bidston)	1028·0	+2	E	3	3c	55	65	7	5	-	-	10	10	1500	0	*
9	Harrogate	1027·9	0	NNE	3	c	54	85	7	3	7	-	9	9	-	0	*
10	Spurn Head	1025·1	0	NNE	3	c	56	85	7	3	5	-	4-6	9	4000	0	4
	Catterick	1027·8	-2	N	3	6c	58	65	7	5	-	-	2-3	2-3	4000	0	*
	Tynemouth	1028·2	0	N	3	6c	53	85	8	4	-	-	4-6	4-6	4000	0	2
11	Inchkeith	1029·1	0	NE	2	c	55	75	8	5	-	-	10	10	4000	0	2
12	Leuchars	1028·5	0	E	3	c	58	65	8	7	-	-	9+	9+	4000	0	*
	Renfrew (Abbotsl)	1028·3	0	NE	2	c	61	65	9	7	-	-	9+	9+	4000	0	*
	Eskdalemuir	1028·3	0	NE	2	c	56	75	8	5	-	-	9+	9+	4000	0	*
13x	Tiree	1031·1	-2	NW	3	c	55	85	9	7	4	6	Tr	7-8	4000	0	3
13a	Stornoway	1029·1	0	NW	2	c	58	75	9	8	6	-	4-6	9+	1500	0	1
15	Dalwhinnie	1029·3	-2	NE	1	c	55	55	8	4	2	-	4-6	10	4000	0	*
	Aberdeen	1029·3	-2	NNW	3	c	56	65	8	8	3	-	7-8	9	4000	0	1
	Wick	1028·8	-4	N	3	c	55	85	8	8	6	-	4-6	7-8	2500	0	2
16	Lerwick	1027·1	0	NW	4	c	56	85	9	8	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1032·8	+2	N	4	c	59	75	8	7	7	-	4-6	7-8	1500	0	3
18	Malin Head	1031·9	-2	NW	3	c	58	75	8	7	2	6	1	7-8	2500	0	1
	Aldergrove	1030·3	+4	NNW	4	6c	59	65	9	4	3	8	Tr	4-6	4000	0	*
	Donaghadee	1029·7	0	N	2	6c	58	75	8	7	3	-	1	2-3	4000	0	1
19	Birr Castle	1029·9	0	NE	1	6c	65	55	8	2	-	2	2-3	4-6	2500	0	*
20	Valentia Obsy.	1030·5	+6	NE	5	6c	61	75	9	1	-	1	1	2-3	2500	0	3
	Roches Point	1028·1	+4	N	4	6c	67	55	9	3	-	-	2-3	2-3	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 9th	Weather. 13h.–18h. 9th	Weather. 18h. 9th to 1h. 10th	Weather. 1h.–7h. 10th
		(37)	(38)	(39)	(40)
1	London (Kew)	bcc	cbc	bc	bcc
	Croydon	bcc3o	cq	c	c
	S. Faruborough	bcyc	cy bcy	bcyc	bcbbc
	Winchester	bcb bc	bcy	c	cb
	Boscombe Down	by	bbcy	bccbc	b
	Calshot, S'thmtn	by bcy	cyp.	c bc	b
	Dungeness	bc	r	*	c
	Lympne	bcy	bcy cd.	bc	bcc
2	Shoeburyness	bcby	cbc	bcc	c
	Felixstowe	bcyc	crbc	c	c
	Gorleston	cqir.	ccrcq	cq	cqpr
	Cranwell	c m. c	c	c	c
3	Birmingham	cbc	c	c	cbc
	Upper Heyford	bcacbc	cr	c	cbbc
4	Ross-on-Wye	c3. bcc3.	c3. p c3.	c o3.	cbbc
5	Portland Bill	bbc	c p k c	c	cbcb
	Plymouth	by	by bcc	cbc	bcb
	The Lizard	c bcy	bctc	cbc	bccm.
	Scilly (St. Mary's)	bcc	cbcc	cbc	bcc
	Guernsey	b	bbc	bc	bcc
6	Pembroke	cq3. mc	cq3. c	3. cqc	cq3. c
7	Holyhead	com.	cbcb	bbc	c
	Chester (Sealand)	m. cr. c	3. c	cbc	bcc m c
8	L'pool (Bidston)	crrc	cc	obcm	opbc
9	Harrogate	c	cp.	cb	bbc
10	Spurn Head	bcc	bc	bcc;	pbc
	Catterick	bc	p b c b c	b	bbc
	Tynemouth	c o c r. c	cbc	bc	bc
11	Inchkeith	c	c	c	c
12	Leuchars	cbc	bcc	c p b c	c b c c
	Renfrew (Abbotsl)	c b c 3. c	coc	cbc	bcc
	Eskdalemuir	c b c y	b c y c	c	c b c c
13x	Tiree	b. c	bcc	c	cw
13a	Stornoway	c	c	c	c i 6
15	Dalwhinnie	c	c	c	c
	Aberdeen	b c c y	cy	bc	bc
	Wick	c	c	c b c	b c c
	Lerwick	b c c	c	c b c	b c c
17	Blacksod Point	bc	bc	c b c	c
18	Malin Head	b c c	c	c	c
	Aldergrove	c b i	b b c o	b c v c	c
	Donaghadee	c b c	b c b	b b c	b c
19	Birr Castle	c	c b c t y	b c	b c c
20	Valentia Obsy.	b c o	b c o	b c v b c	b c w c
	Roches Point	b c o	b c o y	b c v b w	b b 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.
j, 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 $\frac{1}{10}$ 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.*

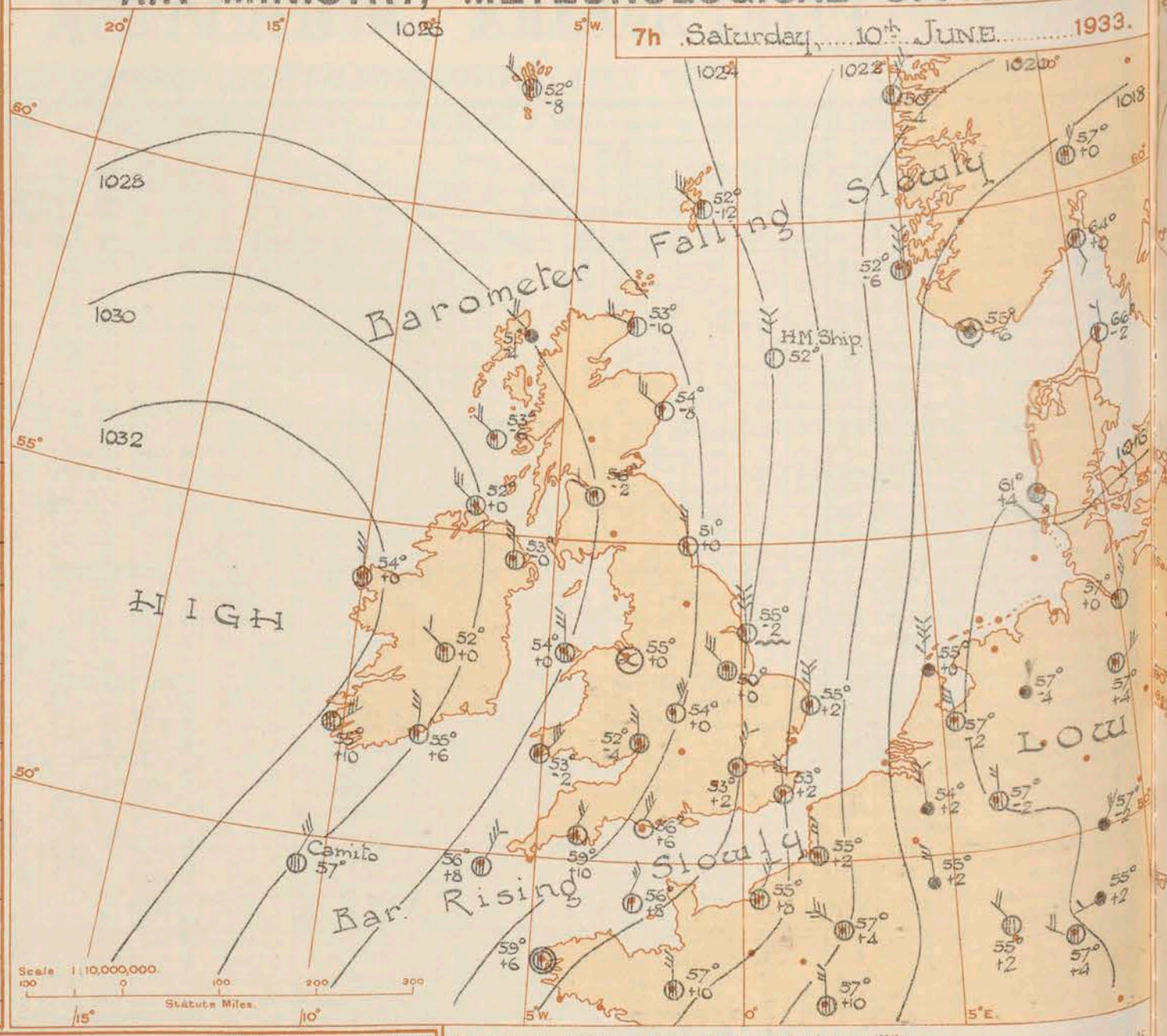
REPORTS from HEALTH RESORTS for 9th June 1933

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 9th 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.	bbc	bcc	53	73	-	-	8·9	14·7
	Bournemouth	bc	o	54	76	-	-	8·3	14·3
	Ventnor ...	bz	bbcz	57	73	-	-	10·5	13·9
	Southsea ...	b	bcc	57	75	-	-	8·8	14·5
	Bognor Regis	bbv	bcco	57	73	-	-	9·0	13·9
	Littlehampton	bc	bcc	54	74	-	-	8·5	14·8
	Worthing ...	b	bccp	55	73	-	Trace	10·4	14·8
	Brighton ...	b	bbcc	56	76	-	-	9·6	14·6
	Eastbourne†	bbc	bcc	56	70	-	-	11·0	14·9
	Hastings† ...	bbc	bcbbcc	55	72	-	-	11·5	15·1
	Folkestone ...	b	bbcc	57	70	-	-	10·2	14·7
	Dover... ...	b	bbccr	56	70	-	Trace	11·1	15·2
	Deal	b	bc	57	67	-	-	9·0	10·8
	Ramsgate ...	b	bbc	57	64	-	-	9·0	14·6
	Margate ...	bbc	bccp	57	*	-	Trace	9·4	12·0
2	Southend ...	b	bcdb	54	78	-	Trace	9·6	14·3
	Maldon ...	bbc	cb	54	71	-	-	8·1	14·9
	Clacton-on-Sea	bcc	cy	54	74	-	-	6·7	14·9
	Dovercourt ...	bc	bcoc	54	69	-	-	6·4	14·1
	Lowestoft ...	bcdc	c	55	63	-	Trace	4·4	11·1
	Skegness ...	bc	bcom	50	62	-	-	3·2	12·6
	Mablethorpe	bcc	cbcc	52	60	-	-	4·1	12·4
	Cleethorpes...	c	co	52	61	-	-	3·9	14·0
3	Leamington S.	cbc	c	53	69	-	-	4·3	12·2
4	Cheltenham†	cmbc	cobm	52	73	1	Trace	5·8	10·3
5	Bath	b	bbccr	56	74	Trace	Trace	9·9	10·6
	Weymouth ...	b	bbcpc	58	74	-	1	9·8	11·9
	Jersey ...	b	b	60	74	-	-	12·3	14·3
	Torquay ...	b	bclPt	61	74	-	0·1	10·2	12·7
	Penzance ...	bcb	cbc	54	71	-	-	7·2	11·4
	St. Ives ...	b	b	55	62	-	-	5·0	5·9
	Bude	bc	bc	52	73	-	-	9·0	10·7
	Ilfracombe ...	bbc	bbc	58	67	-	-	7·1	11·4
6	Aberystwyth	ccm	cmcr	56	68	-	0·3	0·4	11·3
7	Llandudno ...	o	c	55	62	-	-	0·1	9·6
	Colwyn Bay...	o	o	55	60	-	-	0·1	10·0
	Rhyl	om	o	51	62	-	-	0·1	9·3
8	Wallasey ...	ir	ir	57	62	-	0·3	0·0	7·1
	Southport‖ ...	opc	co	55	64	-	0·2	0·5	9·4
	Blackpool ...	opc	ccpc	55	62	0·6	3	0·6	9·0
	Morecambe ...	cbbc	cbcc	55	63	Trace	-	2·1	9·4
9	Ilkley... ...	o	o	53	60	-	-	0·0	7·3
10	Berwick-on-T.	ocbc	obcc	51	56	2	-	4·4	8·3
11	Dunbar ...	tlrbc	cbc	51	58	2	-	0·6	6·5
12	Troon... ...	roc	c	55	61	0·3	-	2·9	4·4
	Douglas ...	cbcld	cbbccb	53	63	-	Trace	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 Saturday, 10th JUNE 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th June, 1933
1. S.E. England	Moderate northerly wind; mainly cloudy; chance of local showers; rather cool.
2. E. England...	Moderate or fresh northerly wind; cloudy; showers; cool.
3. E. Midlands	As 1.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Moderate northerly wind; cloudy, bright intervals; moderate temperature.
8. N.W. England	Moderate north or northwest wind; cloudy, bright intervals; moderate temperature.
9. N. Midlands 10. N.E. England	As 2.
11. S.E. Scotland	Moderate northwest wind; cloudy; local showers or occasional rain; moderate or rather low temperature.
12. S.W. Scotland & Isle of Man	As 8.
13. A. W Scotld. B. N.W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northwest wind; cloudy; occasional slight rain locally; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate northerly wind; cloudy, but bright periods; 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. ∞ Haze.
SEA DISTURBANCE. ≈ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone remains off West Ireland. Small secondary irregularities are likely to travel southwards over the North Sea. Wind will be from a northerly point generally, weather mainly cloudy, and temperature not above the seasonal normal. Showers or occasional slight rain are probable locally in the East and North.

FURTHER OUTLOOK.

Similar.

Forecasts issued at 1055 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
June 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

Saturday, 10th June 1933.

No. 26·133

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

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	1024·6	0	N	4	c	54	75	7	5	-	-	9+	9+	2500
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023·2	0	N	4	bc	52	75	7	5	-	5	1	4·6	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1022·7	-4	NNW	4	c	54	85	7	8	-	-	7·8	7·8	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1024·9	+10	ENE	2	c	58	85	7	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1024·9	+4	N	3	bc	59	85	7	7	4	-	4·6	4·6	4000
	Scilly (St. Mary's)	163	1025·2	0	NNE	5	bc	55	95	7	5	-	-	4·6	4·6	4000
	Guernsey ...	175	1022·2	-2	NNE	2	bc	55	85	7	7	-	-	4·6	4·6	2500
6	Pembroke ...	142	1027·3	+6	NE	3	c	54	85	7	5	7	-	7·8	9	2500
7	Holyhead ...	26	1027·9	-2	N'W	4	c	53	85	7	5	-	-	7·8	7·8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1024·9	-2	N	5	r	53	95	7	3	2	-	4·6	9	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1027·4	-4	N	3	bc	51	75	7	2	-	-	4·6	4·6	2500
11	Inchkeith ...	190	1029·0	-2	E	1	c	52	85	8	5	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts'l)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1028·3	-4	NW	2	pr	51	95	8	8	7	-	4·6	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1028·9	-10	NW	2	bc	47	95	8	8	1	1	4·6	4·6	2500
16	Lerwick ...	54	1026·3	-2	NW	2	bc	49	85	8	8	-	-	4·6	4·6	1500
17	Blacksod Point	18	1032·3	0	-	0	c	54	85	8	8	-	-	9	9	450
18	Malin Head ...	52	1031·4	-2	NW	4	c	54	75	8	8	4	-	7·8	7·8	2500
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1032·0	-2	E'N	5	b	54	75	8	*	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1024·8	0	N	3	c	54	65	6	7	2	-	4·6	9+	2500	0	*
	Croyden ...	1024·4	+2	N'E	4	c	53	75	8	5	3	-	7·8	9+	1500	0	*
	S. Farnborough	1024·7	-2	N'E	2	bc	54	75	8	7	-	-	4·6	4·6	4000	0	*
	Winchester ...	1025·3	+4	N	4	bc	53	75	8	1	-	-	4·6	4·6	1500	0	*
	Boscombe Down	1025·5	+4	N	4	b	53	75	7	1	-	-	Tr	Tr	2500	0	*
	Calshot, (S'thmtn)	1025·0	+6	N'W	4	bc	55	75	8	1	-	-	4·6	4·6	4000	0	2
	Dungeness ...	*	*	N	2	c	*	*	7	3	-	*	9+	9+	2500	*	2
	Lympne ...	1022·8	+2	NNW	3	c	53	75	8	5	-	-	9+	9+	1500	0	*
2	Shoeburyness	1023·3	0	N	3	c	55	85	8	5	3	-	4·6	9+	4000	0	*
	Felixstowe ...	1022·7	-2	NNW	4	c	55	75	8	8	-	-	9	9	1500	0	2
	Gorleston ...	1021·8	+2	N'W	5	c[pr]	55	75	7	8	-	-	9	9	1500	0	3
	Cranwell ...	1025·6	0	NW'N	3	c	50	85	7	5	-	-	10	10	1500	8	*
3	Birmingham ...	1027·0	0	NNE	3	bc	54	65	8	1	3	1	1	2·3	2500	0	*
	Upper Heyford	1025·9	0	NNE	4	bc	53	75	8	7	-	1	4·6	4·6	1500	0	*
4	Ross-on-Wye ...	1026·5	-4	N'W	3	c	52	75	6	5	-	-	10	10	4000	0	*
5	Portland Bill...	1025·3	+6	NE	3	b	56	75	7	-	-	-	0	0	-	0	2
	Plymouth ...	1026·4	+10	NNE	2	bc	59	55	8	5	3	1	Tr	2·3	5700	0	1
	The Lizard ...	1026·4	+4	N	2	c	59	85	6	5	-	-	9+	9+	2500	0	1
	Scilly (St. Mary's)	1027·4	+8	NNE	4	c	56	95	6	5	-	-	9+	9+	2500	0	2
	Guernsey ...	1025·0	+8	NNE	3	bc	56	75	7	*	-	-	4·6	4·6	2500	0	3
6	Pembroke ...	1027·8	+2	NE	3	c	53	95	7	5	1	-	4·6	7·8	2500	0	2
7	Holyhead ...	1027·7	0	N	3	c	54	95	7	5	-	-	7·8	9+	4000	1	1
	Chester (Sealand)	1027·9	0	-	0	3c	55	85	5	5	-	-	9+	9+	1500	1	*
8	L'pool (Bidston)	1027·7	0	-	0	c	55	75	8	5	7	8	4·6	9+	4000	0	*
9	Harrogate ...	1026·8	0	N	3	bc	52	75	8	2	5	1	2·3	2·3	4000	0	*
10	Spurn Head ...	1023·9	-2	N	6	c	55	85	7	5	2	-	4·6	9	2500	0	4
	Catterick ...	1027·0	+1	NNW	4	bc	52	85	7	2	3	1	4·6	4·6	2600	0	*
	Tynemouth ...	1026·3	0	N	3	bc	51	95	7	2	-	4	4·6	4·6	2500	0	2
11	Inchkeith ...	1028·0	-2	SSE	1	c	54	85	8	8	5	-	7·8	9	2500	0	1
	Leuchars ...	1027·1	-1	WSW	2	c	55	75	8	8	-	6	1	9	4000	0	*
12	Renfrew (Abbotts'l)	1027·9	-2	W'N	1	c	56	75	7	5	-	-	9+	9+	5700	0	*
	Eskdalemuir ...	1027·5	-4	NNE	1	c	54	75	8	7	3	-	1	9	2500	0	*
13A	Tiree	1023·2	-6	NW	2	c	53	85	8	5	2	-	4·6	10	2500	0	2
13B	Stornoway ...	1026·5	-4	NW	2	ir	51	95	6	9	2	-	7·8	10	1500	1	1
15	Dalwhinnie ...	1028·0	-12	NE	2	c	50	75	6	4	2	-	4·6	10	1500	1	*
	Aberdeen ...	1026·7	-8	NW	3	bc	54	75	8	3	-	3	1	4·6	2500	0	1
	Wick	1026·2	-10	WNW	2	c	53	95	8	8	1	8	4·6	9	2500	0	2
16	Lerwick ...	1024·6	-12	NW	3	c	52	75	8	8	7	-	7·8	9	1500	0	*
17	Blacksod Point	1032·6	0	N'W	3	c	54	75	9	5	-	-	10	10	800	0	2
18	Malin Head ...	1030·2	0	NW	3	c[p]	52	95	7	8	2	-	9	10	1500	0	1
	Aldergrove ...	1029·8	0	NNW	3	c	53	85	8	5	7	8	4·6	9+	800	0	*
	Donaghadee ...	1029·1	+2	WNW	2	bc	54	85	8	7	2	-	4·6	4·6	4000	0	1
19	Birr Castle ...	1030·4	0	NW	1	c	52	95	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.†	1031·9	+10	NE'E	3	c	55	75	9	5	-	-	9+	9+	1500	0	1
	Roches Point...	1030·4	+6	N	3	bc	55	85	8	3	-	9	2·3	4·6	1500	0	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 Hrs. (36)
1	London (Kew)...	72	51	48	-	-	10·1
	Croyden ...	71	52	51	-	-	8·3
	S. Farnborough	72	49	44	-	-	9·4
	Winchester ...	72	48	45	-	-	10·1
	Boscombe Down	72	47	44	-	-	12·0
	Calshot, (S'thmtn)	72	(53)	49	Tr	-	8·7
	Dungeness ...	73	51	51	*	-	*
	Lympne ...	67	48	48	Tr	-	10·5
2	Shoeburyness	69	50	48	Tr	-	11·2
	Felixstowe ...	71	51	51	-	-	6·0
	Gorleston ...	69	50	48	Tr	Tr	4·0
	Cranwell ...	65	53	50	Tr	-	4·5
3	Birmingham ...	66	48	41	-	-	3·5
	Upper Heyford	71	45	41	-	-	*
4	Ross-on-Wye ...	69	47	40	Tr	-	13·5
5	Portland Bill...	71	53	*	1	-	*
	Plymouth ...	75	57	50	-	-	9·6
	The Lizard ...	72	57	*	-	-	*
	Scilly (St. Mary's)	61	54	*	-	-	7·4
	Guernsey ...	67	54	51	-	-	14·2
6	Pembroke ...	61	49	*	-	-	4·7
7	Holyhead ...	58	52	49	-	-	5·5
	Chester (Sealand)	65	48	42	0·3	0·2	0·2
8	L'pool (Bidston)	60	53	49	1	0·1	0·1
9	Harrogate ...	59	45	40	Tr	-	1·4
10	Spurn Head ...	60	49	*	-	0·1	6·8
	Catterick ...	58	48	41	Tr	-	2·1
	Tynemouth ...	53	48	39	0·1	-	*
11	Inchkeith ...	65	51	42	-	-	1·9
	Leuchars ...	62	47	41	-	Tr	0·9
12	Renfrew (Abbotts'l)	65	49	46	-	-	1·4
	Eskdalemuir ...	62	44	39	-	19	*
13A	Tiree	58	52	47	-	-	14·1
13B	Stornoway ...	58	49	*	-	-	2·1
15	Dalwhinnie ...	56	42	41	-	Tr	0·8
	Aberdeen ...	58	42	39	-	-	2·8
	Wick	59	45	*	-	-	*
16	Lerwick ...	59	48	*	-	-	14·9
17	Blacksod Point	60	52	*	-	-	*
18	Malin Head ...	58	51	*	-	-	11·5
	Aldergrove ...	61	48	45	-	-	11·1
	Donaghadee ...	60	50	*	-	-	*
19	Birr Castle ...	67	44	34	-	-	3·2
20	Valentia Obsy.†	63	51	44	-	Tr	15·2
	Roches Point...	69	52	*	-	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	bcc	cbc	bcc	72	51	48	-	-	10·1	*	*	8
CROYDON	217	bcc3₀	cy	c	71	52	51	-	-	8·3	*	*	6
GREENWICH (Royal Observatory) ...	149	bcy	cbcy	c	73	51	47	-	-	8·1	80	62	7
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	9.4	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	74	53	48	-		9.5	43	54	*
‡REGENTS PK. (Botanic Gardens) ...	168	*	*	*	75	51	49	-		9·4	73	65	*
CAMDEN SQUARE	110	bc	cb	*	74	52	51	-	-	*	*	58	*
KENSINGTON	80	bbc	bc	*	73	52	47	-	-		At 18h. 65	61	*
HAMPSTEAD OBSERVATORY	450	bc	bc	c	70	47	45	-	-	10·2	*	63	*

FOREIGN OBSERVATIONS.

STATIONS.	18h. G.M.T. 9th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 10th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1018·6	NNE	5	c	68	1019·9	WNW	5	0	57
BRUSSELS	1019·0	NW	4	c	61	1017·9	NNW	4	id₀	54
BERLIN	1013·9	SSE	1	r[t]lr	55	1012·0	N	2	o[d]	55
ZÜRICH	1014·2	ESE	3	bc[l]r	59	1014·3	NNE	1	i6	52
ROME										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
75	55	-	-
70	54	-	1
68	52	2	9
72	52	0·2	2

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	7–9h 9th	Nil	17h 9th – 24h 10th

KEW OBSERVATORY. Max.	Time.	Min.	Time.
0·1	12h 9th	<0·1	Rest of period

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 ,,	6¼ ,,
7 Good ,,	12¼ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code 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 9h.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 11th June 1933.

No. 26134

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

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)	1024·1	-6	NNE	4	c	58	55	8	7	-	-	9	9	2500
	Croydon	1023·5	-6	NE	4	c	59	55	8	7	3	-	7-8	9+	4000
	S. Farnborough	1024·1	-6	NNE	4	c	60	55	8	7	-	8	7-8	9	2500
	Winchester	1024·1	-8	NNE	4	c	58	55	8	7	-	-	7-8	7-8	4000
	Boscombe Down	1024·2	-10	NNE	4	c	59	55	8	5	-	-	10	10	2500
	Calshot, S'thmtn	1024·3	-6	NNE	4	c	61	55	8	7	-	-	9	9	4000
	Dungeness	*	*	NNE	3	c	*	*	*	3	-	*	9+	9+	1500
	Lympne	1022·4	-4	NNE	5	c/pr	57	65	8	4	-	-	9+	9+	2500
2	Shoeburyness	1022·8	-4	NNE	4	c	60	85	8	7	2	-	7-8	9+	2500
	Felixstowe	1022·7	0	NNE	4	c	59	85	8	8	1	-	9+	9+	2500
	Gorleston	1021·9	0	NNE	5	c	57	85	8	8	-	-	9+	9+	1500
	Cranwell	1024·7	-6	NNE	3	c	58	85	7	7	-	-	9+	9+	4000
3	Birmingham	1025·4	-4	NE	3	c	59	55	8	8	-	-	9+	9+	4000
	Upper Heyford	1024·7	-10	NE	4	c	59	65	7	7	3	-	7-8	9+	2500
4	Ross-on-Wye	1024·5	-6	N	4	c	63	55	7	7	-	8	4-6	7-8	4000
5	Portland Bill	1024·3	-10	NE	4	c	60	75	7	5	-	-	10	10	2500
	Plymouth	1025·7	-8	NE	4	c	63	55	7	8	-	8	4-6	7-8	4000
	The Lizard	1026·4	0	SSW	1	c	62	85	8	8	-	-	9	9	4000
	Scilly (St. Mary's)	1027·5	0	NNE	4	bc	60	85	7	8	4	7	-	-	-
	Guernsey	1024·3	0	N	3	bc	59	75	8	7	-	-	2-3	4-6	4000
6	Pembroke	1027·6	-6	NNE	3	c	57	85	7	5	5	6	4-6	7-8	1500
7	Holyhead	1026·9	-6	NNE	4	c	55	85	7	5	-	8	9+	9+	2500
	Chester (Sealand)	1026·0	-8	NNE	3	c	59	65	7	7	-	-	10	10	2500
8	L'pool (Bidston)	1026·3	-6	NNE	3	c	58	65	7	7	-	-	9	9	4000
9	Harrogate	1024·8	-10	NNW	3	c	60	55	8	8	-	-	9+	9+	4000
10	Spurn Head	1023·7	0	NE	6	c	59	75	8	8	3	8	2-3	7-8	4000
	Catterick	1025·0	-10	NNE	1	c	57	65	8	8	-	-	9	9	2500
	Tynemouth	1025·0	-12	N	3	c	55	85	8	4	-	-	7-8	7-8	4000
11	Inchkeith	1025·2	-14	SW	1	cr.	56	75	7	8	-	-	10	10	2500
12	Leuchars	1023·6	-18	WNW	4	jp	62	65	8	8	7	8	4-6	9+	1500
	Renfrew (Abbotsl)	1025·4	-14	WNW	4	c/pr	57	65	9	7	2	-	7-8	10	2500
	Eskdalemuir	1025·0	-14	WNW	2	r.r.	54	75	7	8	-	-	4-6	10	2500
13A	Tiree	1027·0	-14	WNW	3	cr	53	95	7	5	-	-	4-6	10	1500
13B	Stornoway	1023·7	-12	NW	2	c	54	75	8	8	-	-	4-6	10	1500
15	Dalwhinnie	*	-16	NW	2	c	53	75	8	4	2	-	7-8	10	1500
	Aberdeen	1024·7	-8	ESE	3	PR	51	85	6	9	-	-	9+	9+	800
	Wick	1024·2	-8	WNW	2	r.r.	52	95	8	6	2	-	7-8	10	1500
16	Lerwick	1023·1	-4	NW	3	c	51	75	8	8	2	-	4-6	10	1500
17	Blacksod Point	1031·3	-6	W	3	c	57	75	9	5	-	-	10	10	2500
18	Malin Head	1028·3	-16	NW	3	c	54	75	8	8	-	-	9	9	2500
	Aldergrove	1027·2	-10	NW	4	c	56	75	9	8	-	-	9+	9+	2500
	Donaghadee	1027·3	-8	ESE	3	c	58	75	8	7	3	-	4-6	7-8	2500
19	Birr Castle	1029·2	-10	WSW	1	c	60	65	8	8	2	-	7-8	9+	2500
20	Valentia Obsy.	1031·5	-6	NW	4	c	59	65	9	5	-	-	9	9	2500
	Roches Point	1029·1	-6	N	4	bc	62	65	9	3	-	-	4-6	4-6	2500

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

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)	1022·9	-8	NE	3	c	59	55	7	7	7	-	2-3	7-8	2500	0	*
	Croydon	1022·3	-8	NE	3	c	57	65	8	5	7	-	7-8	9+	4000	0	*
	S. Farnborough	1022·1	-10	N	-	c	59	55	7	8	-	8	1-2	7-8	4000	0	*
	Winchester	1022·3	-10	N	2	c	58	65	7	8	-	-	9+	9+	4000	0	*
	Boscombe Down	1022·1	-12	NE	3	c	61	55	7	7	-	-	4-6	9+	4000	0	*
	Calshot, S'thmtn	1022·5	-6	NE	3	c	61	55	7	8	-	7	4-6	7-8	4000	0	-
	Dungeness	*	*	NE	3	c	*	*	8	8	-	*	9+	9+	1500	*	2
	Lympne	1021·6	-6	N	3	c	56	65	9	7	-	-	9+	9+	4000	0	*
2	Shoeburyness	1021·7	-4	NNE	4	c	59	65	8	4	8	-	4-6	7-8	2500	0	*
	Felixstowe	1021·6	-4	NNE	4	c	57	65	8	8	-	-	7-8	7-8	4000	0	-
	Gorleston	1021·0	-4	NNE	5	c	57	75	7	8	-	-	7-8	7-8	1500	0	3
	Cranwell	1022·2	-12	NNE	2	c	61	65	8	8	-	7	2-3	9+	4000	0	*
3	Birmingham	1023·3	-6	NNE	3	cr.	56	75	6	6	7	-	4-6	10	4000	0	*
	Upper Heyford	1022·5	-10	NE	3	3.	60	65	7	7	3	8	2-3	9+	4000	0	*
4	Ross-on-Wye	1022·6	-10	N	3	c	62	65	7	6	1	-	2-3	10	4000	0	*
5	Portland Bill	1022·3	-12	NNE	3	c	61	65	7	5	-	-	10	10	2500	0	2
	Plymouth	1024·0	-6	NE	3	c	61	75	8	5	3	-	4-6	7-8	2500	0	2
	The Lizard	1025·0	-6	NE	3	bc	59	75	8	7	4	-	1	2-3	4000	0	2
	Scilly (St. Mary's)	1026·9	-6	NE	3	bc	57	85	7	7	-	-	2-3	2-3	4000	0	2
	Guernsey	1023·6	-10	N	-	bc	59	75	7	7	3	8	0	4-6	-	0	2
6	Pembroke	1025·2	-10	N	2	c	57	75	7	5	7	-	4-6	9+	4000	0	-
7	Holyhead	1025·1	-12	NNE	3	c	55	85	7	5	7	-	9+	9+	4000	0	2
	Chester (Sealand)	1023·9	-10	NNE	4	c	56	85	6	6	3	-	7-8	10	1500	0	*
8	L'pool (Bidston)	1024·4	-12	NNE	2	c	55	85	8	6	1	-	7-8	9+	1500	0	*
9	Harrogate	1023·0	-6	N	-	cr.	54	75	7	6	2	-	9	10	4000	0	*
10	Spurn Head	1021·9	-6	NE	5	c	55	85	7	5	5	-	4-6	9+	2500	0	3
	Catterick	1022·4	-14	-	0	c	54	85	7	5	5	-	4-6	10	2500	1	*
	Tynemouth	1022·2	-20	E	-	c/pr	53	85	8	6	-	-	7-8	7-8	1500	1	2
11	Inchkeith	1023·0	-6	W	2	PR	52	95	7	6	-	-	10	10	1500	1	1
12	Leuchars	1021·9	-12	NE	2	cr	52	95	7	6	2	-	7-8	10	450	1	*
	Renfrew (Abbotsl)	1022·8	-14	W	4	c	55	75	8	8	2	-	4-6	10	4000	0	*
	Eskdalemuir	1021·9	-16	NW	3	cr.	54	75	7	5	2	-	7-8	10	2500	1	*
13A	Tiree	1024·2	-18	W	3	cr.	53	95	8	5	2	-	7-8	10	1500	1	1
13B	Stornoway	1021·6	-8	-	0	pr	53	95	8	8	6	-	4-6	10	1500	1	0
15	Dalwhinnie	1023·8	-4	NW	2	cr	50	85	8	4	2	-	7-8	10	800	1	*
	Aberdeen	1022·3	-12	-	0	r.r.	51	95	7	9	7	-	4-6	9+	1500	1	1
	Wick	1022·7	-8	NW	2	bc	51	95	8	8	6	-	4-6	4-6	2500	1	2
16	Lerwick	1021·7	-4	NNE	3	c	51	85	9	8	6	-	4-6	7-8	1500	0	*
17	Blacksod Point	1029·4	-8	W	3	pr.	56	75	9	8	8	-	4-6	9	1500	0	2
18	Malin Head	1025·9	-14	W'N	3	cr	54	85	7	8	2	-	9	10	1500	1	1
	Aldergrove	1026·1	-8	NW	3	pr.	55	85	8	9	7	-	9+	10	1500	0	*
	Donaghadee	1025·3	-8	NE	2	c	53	85	7	5	-	-	9	9	1500	0	1
19	Birr Castle	1027·8	-6	W	1	c	58	65	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	1030·1	-6	N'W	4	c	56	75	9	5	4	-	7-8	9	2500	0	2
	Roches Point	1027·8	-8	N	5	c	60	65	9	3	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. 7h.–13h. 10th (37)	Weather. 13h.–18h. 10th (38)	Weather. 18h. (10th) to 1h. 11th (39)	Weather. 1h.–7h. 11th (40)
London (Kew)	c	c	cbc m.	cir r.
Croydon	c	cyc	cm.	cr c d. c
S. Farnborough	bccy	cybcy	bcc	crc
Winchester	bcc	cyc	cr. c	c cv
Boscombe Down	bbcc	cy	cy cir.	c
Dungeness	bccy	cy		c
Lympne	o	o	o	r
Shoeburyness	cpr.	pr. co	cub-c	c cr. m.
Felixstowe	c	cbc	bc	c cir.
Gorleston	c	c	cv	cpr.
Cranwell	cq	cq	cqc	cir.
Ross-on-Wye	c	cy	cprr	cr
Birmingham	c	c	cpr.	cpr
Upper Heyford	bcc	cbccy	cPR	cr d. o.
Portland Bill	cbcc	cy	c	cbcc
Plymouth	c	c	c	c
The Lizard	bcyc	cy	c	cbc
Scilly (St. Mary's)	c	cbc	bccw	c
Guernsey	cbc	bcbc	bc	bcp.
Pembroke	bcb	bc	bcc	cbcc
Holyhead	c3. c	cbcc	bcc	cprc
Chester (Sealand)	c	c	cur. c	cr. o
L'pool (Bidston)	cy ⊕	cr. c	cR r. c	c
Harrogate	cc	c	c crrc	cvp. c
Spurn Head	bcc	curr.	crr	cir
Catterick	cpmd	bc	orr	repr
Tynemouth	bcycy	cpr.	cir.	r. c
Inchkeith	bcc	cp.	orr	oir. bc
Leuchars	cur.	cpr	cir	irc
Renfrew (Abbotsl)	c rq	bccur	cr. ir. c	cb, cv
Eskdalemuir	bccpr.	cbc	cbc	bc bv
Wick	curr.	cr. r. cur.	cir. c	cbc
Lerwick	curr.	cur	cirmdd	bcw
Blacksod Point	cpr.	cpr	cpr. bc	bccpr.
Malin Head	cpr.	cr	cr	ir
Aldergrove	bccPR	cr. r.	cr. r.	pr c
Donaghadee	cur.	r. r. bc	bcc	c
Birr Castle	curr.	cpr.	bcc	c
Valentia Obsy.	curr.	cur	cirmdd	bcw
Roches Point	cpr.	cpr	cpr. bc	bccpr.

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.
ke, 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.
"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.*

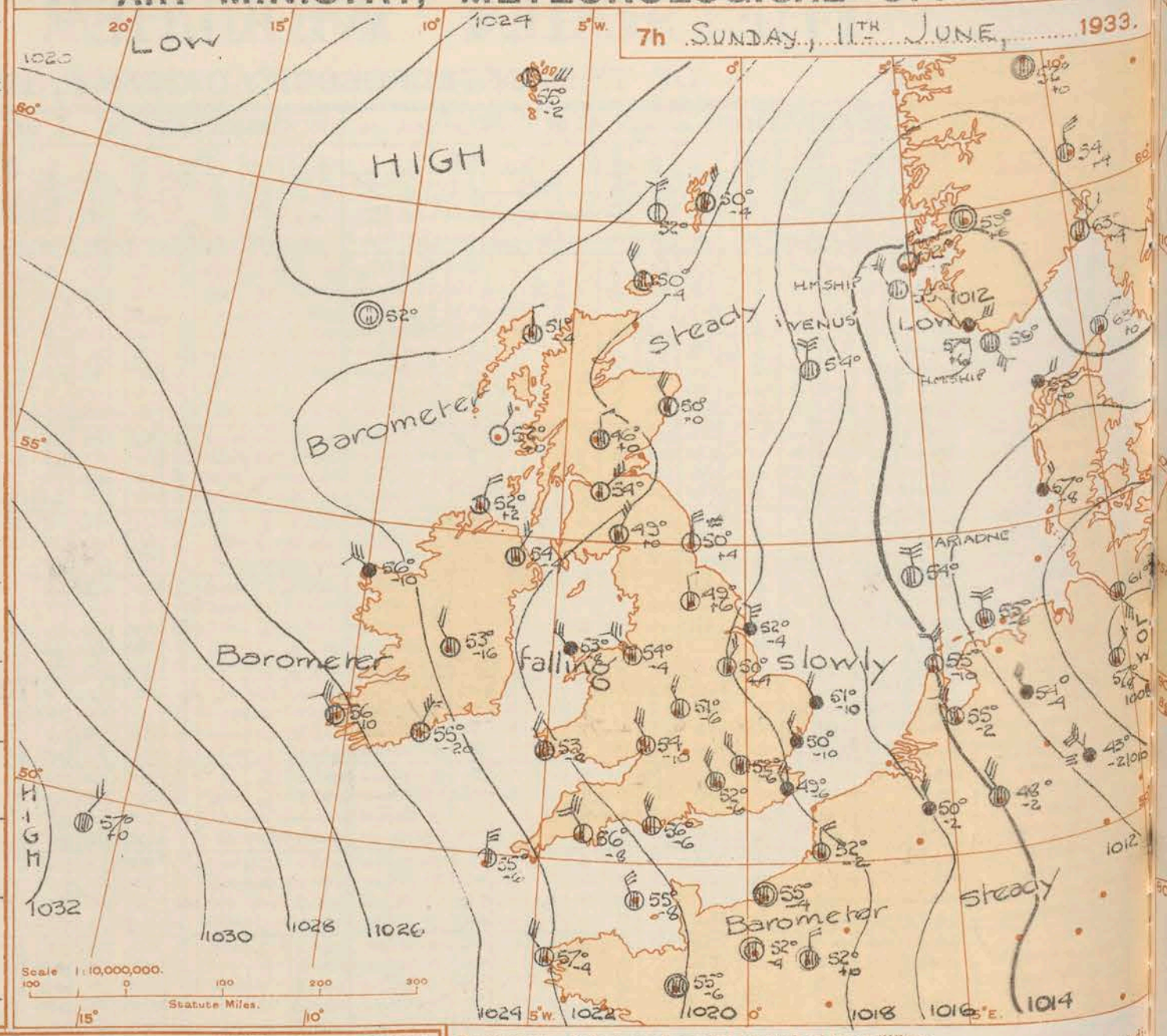
REPORTS from HEALTH RESORTS for 10h June 1933.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 9t. to 9h. 10t.	Temperature. Max. 9h.—17h. 1t.	Rainfall. Night. 17h. 9t. to 9h. 10t.	Rainfall. Day. 9h.—17h. 10t.	Sunshine. Sunrise to 17h. 10t.	Sunshine. Sunrise to Sunset. 9t.
1	Tunbridge W.	oco	coc	50	66	-	-	0·3	9·2
	Bournemouth	bbc	co	50	65	-	-	7·5	8·3
	Ventnor ...	bbcu	obcu	52		-	-	8·2	11·1
	Southsea ...	bcc	cbcc	52	64	-	-	5·7	9·0
	Bognor Regis	cbc	bc	51	62	-	-	2·6	9·0
	Littlehampton	cbc	bcc	51	62	1	-	1·1	8·8
	Worthing ...	c	c	51	61	-	-	1·0	10·5
	Brighton ...	coc	c	52	62	-	-	0·6	9·6
	Eastbourne†	o	oco	52	62	Trace	-	0·9	11·0
	Hastings† ...	c	c	51	60	-	-	3·1	11·5
	Folkestone ...	c	c	52	61	-	-	0·8	10·2
	Dover... ...	yoc	corjc	54	60	Trace	Trace	0·6	11·1
	Deal	oc	odjc	55	61	-	-	0·5	9·7
	Ramsgate ...	c	c	54	60	-	-	1·4	9·7
	Margate ...	c	cp.	54	59	-	Trace	0·9	10·1
2	Southend ...	co	oc	52	61	-	-	0·3	10·9
	Maldon ...	c	c	52	60	-	-	0·4	8·7
	Clacton-on-Sea	cy	cy	52	61	-	-	0·2	6·8
	Dovercourt ...	bcbc	bcbc	52	61	-	-	0·6	6·4
	Lowestoft ...	cbc	cbc	52	60	-	-	1·6	4·4
	Skegness ...	om.	ob	51	59	-	-	3·0	3·2
	Mablethorpe	or.	cbcc	52	59	Trace	Trace	3·8	4·1
	Cleethorpes...	cbc	bcco	49	59	-	-	5·8	3·9
3	Leamington S.	c	c	46	63	-	-	5·5	4·3
4	Cheltenham†	bcyc	bccy	47	64	-	-	4·6	5·8
5	Bath	bcc	cbc	50	65	0·3	-	5·6	9·9
	Weymouth ...	bc	bc	53	66	-	-	6·9	9·9
	Jersey ...	bc	bc	56	64	-	-	11·3	14·8
	Torquay ...	pcy	bcco	56	65	0·2	-	5·0	10·6
	Penzance ...	b	b	55	66	-	-	9·7	7·2
	St. Ives ...	b	b	54	61	-	-	8·9	5·0
	Bude	bcc	cbc	60	62	-	-	7·8	9·6
	Ilfracombe ...	cbc	cbc	56	61	-	-	3·4	7·6
6	Aberystwyth	cre	bcc	51	60	1	-	2·0	0·4
7	Llandudno ...	c	cbc	53	62	-	-	4·1	0·6
	Colwyn Bay ..	bcco	ocbc	49	63	-	-	1·7	0·1
	Rhyl	c	c	49	63	-	-	0·2	0·2
8	Wallasey ...	bcc	c	53	62	Trace	-	1·9	0·3
	Southport‖ ...	cbcc	occ	51	64	-	-	1·6	1·3
	Blackpool ...	c	cpc	50	62	0·1	Trace	2·2	1·9
	Morecambe ...	cbbc	cdc	54	61	-	0·3	2·2	3·7
9	Ilkley... ...	bc	bcor	44	62	-	4	3·5	0·0
10	Berwick-on-T.	bcco	orjo	47	57	-	Trace	5·6	4·7
11	Dunbar ...	c	cp	47	59	-	2	1·4	0·6
12	Troon... ...	c	cor	53	60	-	Trace	0·8	3·1
	Douglas ...	cb	cb	49	59	-	-	1·1	4·6

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 11TH JUNE, 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 1/5 clouded. Sky 1/5 to 1/2 clouded. Sky 1/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Haze.
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. 11th June, 1933.
1. S.E. England	Moderate northwest wind, veering north; dull with occasional rain at first, some brighter intervals and showers later; cool.
2. E. England...	Moderate northerly wind; mainly cloudy but some bright intervals, showers, especially near coast; cool.
3. E. Midlands	
4. W. Midlands	As 1.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	Moderate northerly wind; mainly cloudy but some bright intervals, occasional showers; cool.
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.	As 15 - 16.
14. Mid-Scotland	As 8 - 13A.
15. N.E. Scotland	Light northerly or variable wind; mainly cloudy but some bright intervals, showers; cool.
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 8 - 13A.
18. N.E. Ireland	
19. S.E. Ireland	As 1.
20. S.W. Ireland	

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

GENERAL INFERENCE.

The anticyclone off Southwest Ireland is diminishing in intensity, while a shallow trough of low pressure over the Midlands is moving south. Weather will be dull today in the South with occasional rain followed by an improvement later. Brighter intervals with occasional showers will occur in the North.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1100 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
SUNDAY,
11TH JUNE,
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

Sunday, 11th June 1933.

No. 26·134

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

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	1020·1	-14	-	c	c	51	95	7	5	7	8	2-3	9	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019·9	-14	N'N	2	c	48	95	7	5	1	-	4-6	9+	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1013.3	-16	NNW	2	c	50	85	7	8	-	-	9+	9+	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1020·7	-8	NNW	4	c	56	85	8	4	4	-	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1024·2	-2	NW	2	c	51	95	98	1	7	-	1	7-8	5700
	Scilly (St. Mary's)	163	1025·1	-12	N'W	3	bc	55	95	98	7	-	-	4-6	4-6	4000
	Guernsey ...	175	1021·9	-14	WNW	1	c	56	95	7	8	-	-	10	10	2500
6	Pembroke ...	142	1024·5	-8	N	2	c	54	75	8	5	2	-	4-6	9	2500
7	Holyhead ...	26	1022·3	-18	NNW	4	c	53	95	7	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019·4	-8	-	0	[illegible]	50	95	7	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1020·4	-4	NE	2	ir	50	95	6	6	-	-	10	10	1500
11	Inchkeith ...	190	1021·9	0	ENE	2	ir	50	95	8	6	2	-	7-8	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1021·3	-4	NE	1	bc	47	95	8	8	6	-	2-3	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022·2	-4	NW	2	c	49	95	8	5	1	8	7-8	9+	2500
16	Lerwick ...	54	1021·3	-4	N'W	2	c	48	85	8	5	2	-	4-6	9+	1500
17	Blacksod Point	18	1024·9	-20	W	S	rr	55	95	7	6	-	-	10	10	<150
18	Malin Head ...	52	1021·2	-14	NNW	3	c/d	54	95	7	6	2	-	9	10	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028·3	-10	W'N	4	bc	53	85	9	4	-	-	2-3	2-3	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1013·2	-6	NW	2	c	53	85	8	8	3	-	4-6	7-8	2500	1	*
1018·5	-6	WNW	3	c	52	85	7	5	2	-	7-8	10	2500	1	*
1018.6	-6	NW	3	jp	52	85	7	6	-	-	10	10	1500	1	*
1018.6	-6	NW	4	c	53	75	9	5	2	-	7-8	9+	2500	0	*
1019.4	-4	NNW	3	c	52	75	8	6	-	-	9+	9+	2500	0	*
1019.1	-4	NW'N	4	c	55	75	9	8	3	-	4-6	7-8	2500	0	2
*	*	N'E	1	ir.	*	*	6	8	-	*	9	9	1500	*	1
1018.0	-6	NNW	2	ir.	49	95	6	5	2	-	7-8	10	2500	1	*
1018.0	-4	WNW	1	ir.	50	95	8	5	2	-	9	9+	2500	1	*
1018.0	-10	NNW	2	r.	50	95	8	6	1	-	7-8	9+	1500	0	1
1017·3	-10	NW	2	ir.	51	95	6	8	-	-	9+	9+	1500	1	2
1018.5	+4	NE'N	2	c	50	95	7	6	7	-	7-8	10	1500	1	*
1019.0	-6	NNW	2	c	51	95	8	6	-	-	9+	9+	1500	0	*
1018.8	-10	NW	3	c/r	50	95	8	6	2	-	7-8	10	800	1	*
1019.4	-10	NW'W	3	c	54	75	9	8	-	-	9	9	4000	0	*
1019.9	-6	NNW	3	c	56	85	8	4	4	-	4-6	7-8	2500	0	3
1021·1	-8	NNW	5	bc	56	75	8	2	6	-	4-6	4-6	2500	0	2
1022·5	-2	NNW	3	c	55	85	8	8	6	-	4-6	9+	4000	0	2
1024.1	-6	N	3	c	55	85	8	8	4	-	7-8	9+	2500	0	2
1020.0	-8	N'W	3	c	55	95	7	8	-	-	7-8	7-8	2500	0	2
1021·1	-8	NW	2	c	53	85	8	5	7	-	4-6	9+	4000	0	1
1019·7	-8	WNW	3	id	53	95	6	6	-	-	10	10	460	1	1
1019.7	-4	WNW	4	c	54	85	7	8	3	-	7-8	9	2500	1	*
1019.4	-8	NW'N	3	u	54	85	9	9	-	-	9+	9+	1500	1	*
1019.4	+6	N	1	c	49	95	7	6	2	-	9+	10	2500	1	*
1017.9	-4	N	4	pr	52	95	7	3	2	-	4-6	9+	2500	1	3
1019.6	+2	NNW	2	c	50	95	7	5	-	-	9+	9+	1500	1	*
1019.6	+4	N	3	bc	50	85	7	3	-	-	4-6	4-6	1500	1	5
1021.4	+2	N	2	c	52	85	8	8	4	-	4-6	7-8	2500	1	*
1020.7	0	NW	2	c	50	85	9	7	-	-	7-8	7-8	2500	1	*
1021.0	0	ENE	3	bc	54	65	9	1	-	-	2-3	2-3	4000	0	*
1020.4	0	NNE	3	bc	49	75	8	5	-	-	4-6	4-6	2500	1	
1021.6	0	NE'N	2	b	54	85	9	4	3	-	Tr.	1	2500	0	1
1020.7	-4	N	1	c/pr	51	85	9	8	6	-	4-6	9	1500	1	1
1020.6	0	N	1	c	46	85	8	4	2	-	7-8	10	800	1	*
1019.6	0	NNW	3	c	50	85	8	8	3	-	7-8	7-8	2500	1	1
1021·3	-4	NW	3	c	50	85	8	5	1	-	7-8	9+	2500	1	2
1021·2	-4	N'E	3	c	50	85	8	5	-	-	9+	9+	1500	0	*
1022·2	-10	WNW	4	dr	56	95	7	6	-	-	10	10	<150	1	3
1020.8	+2	NNE	2	c	52	95	6	8	1	-	4-6	10	<150	1	1
1020·5	-4	NE	2	c	54	95	8	8	7	-	7-8	9	1500	1	*
1020·2	-4	N'E	1	c	51	95	7	8	3	-	4-6	7-8	2500	1	0
1021.4	-16	NW	2	c	53	95	8	6	2	-	9	10	1500	1	*
1025.6	-10	NW	4	c	56	85	8	5	-	-	9+	9+	1500	0	2
1023.6	-20	N	5	c	55	85	8	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 1.0 Hrs. (36)
61	52	43	-	0·5	1·1
60	51	47	-	1	0·2
62	51	43	-	Tr.	3·5
63	51	48	-	Tr.	6·9
62	51	49	-	Tr.	6·8
63	54	51	-	Tr.	5·0
67	46	*	-	*	*
59	46	44	Tr.	0·2	1·6
60	47	35	-	0·2	1·1
60	46	43	-	1	1·0
60	48	46	-	0·2	3·0
63	49	48	-	3	1·8
62	48	47	Tr.	0·4	4·8
62	48	48	-	1	*
65	50	45	-	-	4·4
64	54	*	-	-	*
65	52	50	-	-	9·0
65	50	*	-	-	-
60	53	*	-	Tr.	9·3
62	54	51	-	-	11·6
60	50	*	-	Tr.	6·2
58	51	50	-	2	2·2
62	52	49	Tr.	3	2·1
59	51	48	-	0·5	0·8
61	47	47	Tr.	1·6	6·2
60	48	*	Tr.	1	5·6
60	48	48	0·3	0·6	*
58	48	47	Tr.	5	*
57	48	41	4	3	1·0
62	41	30	4	1	4·0
61	48	44	Tr.	-	0·2
58	46	46	1	0·1	1·5
55	50	47	1	0·5	0·0
54	43	*	3	Tr.	0·0
55	39	37	5	1	0·0
57	44	40	4	1	3·8
55	48	*	3	-	*
53	45	*	Tr.	-	2·5
61	45	*	Tr.	3	*
57	50	*	3	3	0·2
58	51	49	Tr.	2	0·1
58	49	*	-	5	*
61	51	50	-	1	0·7
59	52	45	-	-	1·6
64	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	c	c	cbaciir.	61	52	43	-	0·5	1·1	*	*	7
Croydon	217	c	cyc	cmcrrd	60	51	47	-	1	0·2	*	*	7
Greenwich (Royal Observatory) ...	149	c	c	crd	61	50	41	-	2	0·2	65	95	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	61	53	46	0·4		0·7	55	74	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*						1·0			*
Camden Square	110	c	c	*	60	52	50	-	1	*	*	90	*
Kensington	80	c	c	*	60	52	45	-	1	0·5	At 18h. 69	79	*
Hampstead Observatory	450	bc	od	or	58	49	42	-	1	0·9	*	84	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·5	24h 10th	Nil	12-15h. 10th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	23h. 10th	<0·1	16h 10th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 10th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 11th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1019.0	NNW	5	c	61	1018.1	N	2	c	54
Brussels	1017.2	NW'N	4	0	54	1015.4	NNW	3	id.	50
Berlin	1011.4	NE	1	c	61	1008.4	SE	1	c	61
Zürich	1013·2	SSE	2	ir	52	1012.0	SW	1	c	52
Rome	1011·1	WSW	2	bc	73					

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
64	48	-	-
54	50?	3	0·1
63	54	3	-
64	50	6	5
75		-	

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; 6/8 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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 12th June 1933.

No. 26.135

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

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)	1016·9	-4	NE	3	c	56	75	6	8	-	-	9	9	2500
	Croydon	1017·2	-2	NE'E	2	c/r	54	85	7	8	-	-	9+	9+	1500
	S. Farnborough	1016·0	-14	NNE	4	c/pr	61	75	7	8	3	-	7-8	9	2500
	Winchester	1016·1	-14	N	3	c/pr	61	75	8	8	7	-	7-8	9	4000
	Boscombe Down	1016·2	-14	NNW	3	c	61	55	8	7	3	-	9 H6	9+	2500
	Calshot, S'thmtn	1016·6	-14	NNW	2	pr$_o$	62	55	8	9	3	-	7-8	9	2500
	Dungeness	*	*	NE	1	r$_o$r$_o$	*	*	7	8	2	*	4-6	9+	1500
	Lympne	1017·2	-4	NNW	2	ir$_o$	53	75	8	8	7	-	4-6	9+	2500
2	Shoeburyness	1016·7	-8	W'S	1	c	58	75	8	8	9	8	4-6	7-8	1500
	Felixstowe	1016·8	-2	E	1	r$_o$r$_o$	53	95	8	7	1	-	7-8	9+	1500
	Gorleston	1017·0	-4	NNE	5	bc	58	65	7	8	3	-	4-6	4-6	2500
	Cranwell	1017·8	-6	NNE	2	c/r	51	95	7	9	-	-	9+	9+	1500
3	Birmingham	1017·5	-6	NE	2	c	58	65	8	8	-	-	9	9	4000
	Upper Heyford	1016·9	-8	NE	4	c	59	75	8	8	3	-	7-8	7-8	2500
4	Ross-on-Wye	1016·6	-14	NNW	3	c/p	63	55	8	3	6	-	7-8	9	4000
5	Portland Bill	1017·4	-12	NW	3	c	60	76	8	5	4	-	4-6	7-8	2500
	Plymouth	1018·9	-14	WNW	4	c	60	65	9	8	6	-	9	9+	1500
	The Lizard	1020·5	-12	NW	3	c	56	85	8	8	6	-	7-8	9+	2500
	Scilly (St. Mary's)	1021·5	-12	NW'N	4	c	58	85	8	8	7	-	7-8	9+	4000
	Guernsey	1019·3	-6	NNW	3	bc	60	65	8	8	-	-	4-6	4-6	2500
6	Pembroke	1018·3	-16	NW	2	c	58	85	8	8	6	-	4-6	9	4000
7	Holyhead	1018·8	-2	N	4	bc	57	86	9	2	-	-	9-6	4-6	2500
8	Chester (Sealand)	1018·1	-8	NNW	2	w	58	75	6	9	-	-	9	9	2500
	L'pool (Bidston)	1018·2	-4	N'W	3	bc	59	65	8	7	7	-	4-6	4-6	2500
9	Harrogate	1018·2	-6	N	3	c	55	65	7	2	8	-	2-3	7-8	4000
10	Spurn Head	1016·8	-4	NNE	5	c	57	75	8	1	7	-	4-6	7-8	4000
	Catterick	1018·6	0	NW	1	c/pr	51	85	7	8	-	-	9+	9+	2500
	Tynemouth	1019·2	+4	N	4	bc	52	85	7	9	-	-	4-6	4-6	2500
11	Inchkeith	1020·6	-4	NE	1	c	54	65	9	8	-	-	9+	9+	4000
12	Leuchars	1019·7	-6	NNE	4	c	58	55	9	8	-	-	9	9	2500
	Renfrew (Abbotsl)	1019·5	-10	ENE	1	c	60	55	9	8	-	-	9+	9+	5700
	Eskdalemuir	1019·4	-4	NNE	3	c	54	65	8	5	-	-	9+	9+	4000
13A	Tiree	1020·5	-8	N	2	b	57	75	9	4	-	-	1	1	4000
13B	Stornoway	1019·4	-6	ENE	2	c	55	75	9	8	6	-	4-6	9+	1500
15	Dalwhinnie §	1020·5	-4	NE	2	c	53	55	8	4	4	-	4-6	7-8	4000
	Aberdeen	1019·7	-4	NNW	4	c	56	55	8	8	3	-	4-6	7-8	2500
	Wick	1020·7	-4	NNE	3	bc	51	95	8	8	8	-	4-6	4-6	2500
16	Lerwick	1020·0	-10	N'E	3	c	53	75	8	8	7	8	4-6	9	1500
17	Blacksod Point	1020·7	-4	-	0	id	57	85	7	5	-	-	10	10	<150
18	Malin Head	1020·3	-4	N'E	1	c	54	85	8	5	7	-	4-6	9+	1500
	Aldergrove	1019·4	-6	ENE	2	c	62	65	9	7	3	-	7-8	7-8	2500
	Donaghadee	1020·1	-2	NNE	2	bc	57	75	8	8	3	-	2-3	2-3	4000
19	Birr Castle	1019·3	-10	NW	1	c	66	55	8	2	-	-	7-8	7-8	2500
20	Valentia Obsy.	1022·2	-18	WNW	2	ir$_o$	55	95	6	5	-	-	10	10	220
	Roches Point	1019·8	-12	N	5	c	59	85	9	3	-	-	9	9	1500

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

Distrct.	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)	1015·9	-2	ENE	3	c	58	75	7	8	3	1	4-6	7-8	2500	0	*
	Croydon	1016·1	0	ENE	3	c/pr	51	85	7	9	3	-	7-8	9	2500	1	*
	S. Farnborough	1015·6	0	NE	2	bc/pr	57	75	8	8	6	-	4-6	4-6	4000	1	*
	Winchester	1015·4	-6	SSE	1	c/pr	57	85	7	8	-	-	9	9	4000	0	*
	Boscombe Down	1015·5	-2	NW'W	2	c	57	85	8	5	7	-	9	9+	2500	0	*
	Calshot, S'thmtn	1015·9	0	SE	2	c	58	75	7	8	7	-	4-6	7-8	4000	0	1
	Dungeness	*	*	E'S	1	c	*	*	7	8	-	*	9	9	1500	*	0
	Lympne	1016·2	-4	NNW	2	c	53	75	9	8	7	-	9	9+	4000	0	*
2	Shoeburyness	1015·8	-4	N	1	pr$_o$	53	85	8	6	9	-	4-6	9+	800	1	*
	Felixstowe	1015·7	-8	SE'S	1	c/r	54	85	8	8	7	-	7-8	9	1500	1	0
	Gorleston	1015·1	-4	N'E	3	c	57	75	7	1	5	-	4-6	7-8	2500	0	2
	Cranwell	1016·8	-4	N'W	1	c/pr	51	95	7	8	7	-	7-8	9	2500	1	*
3	Birmingham	1016·1	-2	E	2	bc	59	65	7	8	3	-	2-3	4-6	4000	0	*
	Upper Heyford	1016·1	-2	E'N	3	bc	57	75	8	7	3	-	2-3	4-6	2500	0	*
4	Ross-on-Wye	1016·1	-8	WSW	2	c	57	85	7	8	6	-	7-8	7-8	4000	1	*
5	Portland Bill	1015·9	-4	W	2	c	59	85	8	8	2	-	7-8	10	1500	0	2
	Plymouth	1016·1	-18	NW	5	c	61	65	9	8	6	-	4-6	4-6	2500	0	2
	The Lizard	1017·8	-20	NW	3	c	57	95	8	8	-	-	9+	9+	2500	0	2
	Scilly (St. Mary's)	1018·9	-16	NW'N	4	c	56	95	7	8	-	-	9+	9+	2500	1	2
	Guernsey	1018·0	-10	NNW	4	bc	58	85	8	8	-	-	4-6	4-6	2500	0	2
6	Pembroke	1017·5	-8	NW	2	bc	59	75	8	7	7	5	2-3	4-6	5700	0	1
7	Holyhead	1017·7	-10	N'E	3	b	56	85	9	2	-	-	Tr	Tr	4000	0	1
8	Chester (Sealand)	1017·0	-6	NNW	3	c/pr	61	65	6	8	3	-	7-8	7-8	2500	1	*
	L'pool (Bidston)	1017·1	-4	NE	3	bc	55	95	9	7	-	-	2-3	2-3	2500	0	*
9	Harrogate	1017·6	-6	N	2	b	58	65	7	2	-	-	1	1	4000	0	*
10	Spurn Head	1015·9	-4	N'E	5	c	56	85	7	3	3	-	4-6	7-8	2500	0	3
	Catterick	1017·5	-6	N	4	bc	54	65	8	8	3	-	4-6	4-6	2500	0	*
	Tynemouth	1017·8	-4	N	3	bc	52	85	8	3	-	-	4-6	4-6	1500	0	2
11	Inchkeith	1019·2	-8	E	2	bc	55	75	8	2	4	-	2-3	4-6	4000	0	2
12	Leuchars	1018·8	-6	E	3	bc	54	75	9	7	-	-	2-3	2-3	4000	1	*
	Renfrew (Abbotsl)	1018·0	-6	E'N	2	c	59	65	8	8	-	-	9	9	4000	0	*
	Eskdalemuir	1018·2	-4	NNE	2	c	54	55	9	4	-	-	9	9	5700	0	*
13A	Tiree	1019·0	-12	N	2	b	56	65	9	4	5	-	Tr	Tr	4000	0	2
13B	Stornoway	1017·9	-6	ENE	2	c	53	65	9	8	9	-	4-6	7-8	2500	1	1
15	Dalwhinnie §	1017·5	-20	NE	2	c	53	56	8	4	1	-	4-6	9	4000	0	*
	Aberdeen	1018·5	-8	N E	3	c	54	65	8	8	3	-	7-8	7-8	2500	1	1
	Wick	1019·5	-8	NE	2	bc	51	95	8	8	5	-	4-6	4-6	2500	0	2
16	Lerwick	1018·5	-6	NNE	3	id	50	95	6	8	-	-	10	10	450	1	*
17	Blacksod Point	1018·4	-6	-	0	ir$_o$	57	95	8	5	-	-	10	10	220	1	1
18	Malin Head	1018·6	-10	E'N	2	bc	53	85	9	2	3	-	Tr	1	2500	0	1
	Aldergrove	1018·1	-8	ENE	2	bc	61	55	8	4	-	-	2-3	2-3	4000	1	*
	Donaghadee	1018·1	-8	-	0	b	56	65	8	8	-	-	Tr	Tr	4000	0	0
19	Birr Castle	1017·2	-12	NW	2	bc	67	65	8	5	4	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	1019·9	-12	NNW	3	c	57	95	7	5	-	-	10	10	220	1	2
	Roches Point	1017·8	-8	N	4	c	60	85	9	3	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. (37)	Weather. 13h.–18h. (38)	Weather. 18h. 11th to 1h. 12th (39)	Weather. 1h.–7h. 12th (40)
cDPRm$_o$	cm$_o$pr$_o$	cbc	bc
cd$_o$r$_o$r$_o$	cbcpr$_q$	cbc	bcm$_o$
cd$_o$cprt	qprbccp	bcb,cbc	bwbxb
cd$_o$cpr$_o$	tPRtpr$_o$	PRctbc	cb bcb
cir$_o$	cir$_o$yc	ctlrc	bcb
cpre	cPRbc		bcb
bc	c	*	bc
cir$_o$v	cpr$_o$cv	cvcid$_o$	cbcm$_o$
cir$_o$cbc	cpr	cpr	cprbc
cr$_o$r$_o$	cir	cr$_o$cpr	cbbc
cir$_o$cq	bccq	cbc RR	bccq
corm$_o$	cqpr	cpr	cbcm$_o$
c	bc	b	bcb
cr$_o$pr$_o$bc	cbcpr$_o$b	bccbcw	bcbw
cbc	crcpc	cbcc	cbm$_o$
c	circ	cprc	cbcb
bccv	cvbcq	bcvb	bwm$_o$
cpr$_o$c	cpr$_o$c	cbcw	bc
c	id$_o$m$_o$	c	cbc
bccc	cbqc	coirc	cbc
cprc	cbcv	bcbbc	bcwbbc
id$_o$bc	bcb	bw	bwbm$_o$
cprcuc	pr$_o$bcpr	bcbm$_o$	bcbmw
pcvbc	bcvby	yvbcb	bwb
cir$_o$	cbp$_o$	b	bbc
pr$_o$c	bc	cbc	bcc
cpr	cbc	bcb	b
bcpbcq	bc	bc	bc
cprv	cbc	bcb	bw
cvy	cypr$_o$bc	bcvb	bbxb
bvcvy	cvcyc	cbc	bcbm
c	cy	cbcb	bw
b	b	bw	bw
c	c	bc	bcb
c	bc		bc
cprv	cbcv	bcvb	bcbm
cid$_o$	cid$_o$id$_o$o	ofid$_o$o	oid$_o$c
cpr$_o$cv	cpr$_o$cv	cvpoc	coid

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

§ The observations entered in the 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/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.*

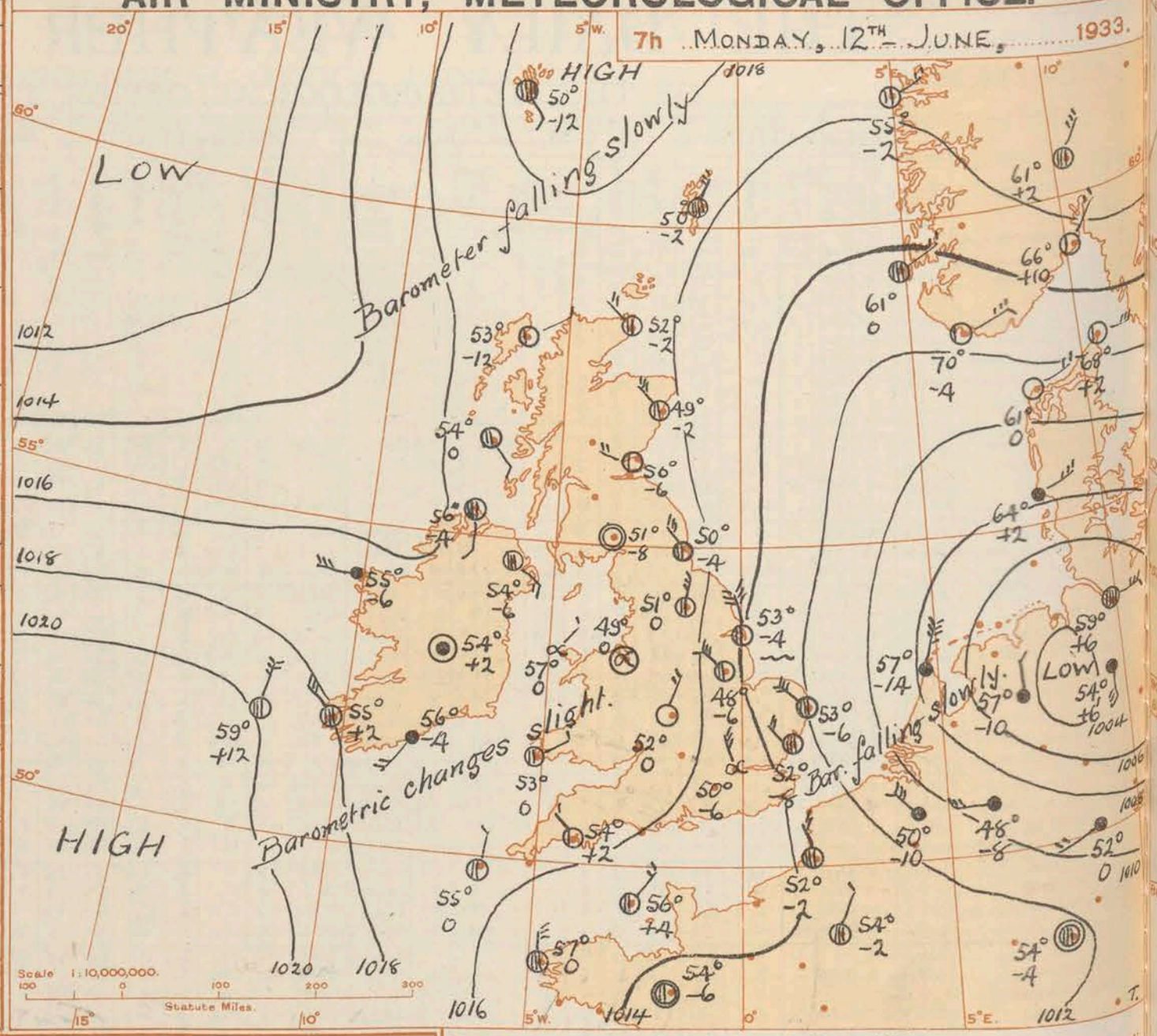
REPORTS from HEALTH RESORTS for 11th JUNE 1933.

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.	o d o	o b c o	46	59	1	0·3	1·0	0·5
	Bournemouth	b b c b	b c t r	53	68	–	3	7·0	7·5
	Ventnor ...	b c o w	c p c	53	63	–	·1	4·1	8·4
	Southsea ...	c p b c p y	e p t w	54	63	–	–	2·5	5·7
	Bognor Regis	b c e r	b c i r	52	61	Trace	0·5	2·1	3·0
	Littlehampton	c b c c	c p r b c	52	63	0·9	3	1·4	2·5
	Worthing ...	c	c p r	52	59	0·5	0·5	1·0	1·9
	Brighton ...	c p c	c p c b c	52	59	0·5	1	1·2	0·8
	Eastbourne†	r o r o	o r o c	52	57	0·3	2	0·2	0·9
	Hastings† ...	o d o o	o c b c	50	57	0·4	0·1	0·7	3·4
	Folkestone ...	o i r o	o c r o	48	59	1	1	0·2	0·9
	Dover... ...	o i r	i r o c	49	59	1	0·5	0·6	0·8
	Deal	o r o c	b c o	49	61	0·5	0·3	1·5	0·5
	Ramsgate ...	r c	b c c	51	58	0·6	0·4	1·5	1·4
	Margate ...	c d	b c c	51	57	0·7	Trace	1·2	0·9
2	Southend ...	o d o	c o p o	49	60	1	0·6	0·3	1·5
	Maldon ...	r c	i r c	51	58	0·5	1	0·3	1·8
	Clacton-on-Sea	c o r o	c p	48	58	0·5	2	0·3	0·2
	Dovercourt ...	r o c	r b c	49	58	1	2	0·4	1·0
	Lowestoft ...	e b c	b c	45	59	–	–	3·6	2·6
	Skegness ...	o r o o	o b c	49	58	3	Trace	4·0	3·5
	Mablethorpe	c	c v	48	58	3	–	5·6	4·1
	Cleethorpes ...	o p c	c b c	49	58	3	Trace	4·0	5·8
3	Leamington S	c	c	50	63	0·9	–	5·2	5·3
4	Cheltenham†	o p o c	b c c w	54	66	Trace	Trace	3·5	4·6
5	Bath	c b c	b c r	54	66	–	1	4·5	5·6
	Weymouth ...	c b c c	p o c	54	67	–	0·2	5·8	6·9
	Jersey ...	b c	b c	54	66	–	–	8·0	13·2
	Torquay ...	b c	b c v y	53	67	–	–	9·6	5·1
	Penzance ...	e p b c	m o b o	52	61	Trace	Trace	0·8	11·3
	St. Ives ...	p r	p r	53	60	–	0·3	0·7	10·2
	Bude	b c c	c b c	54	60	–	–	4·0	8·3
	Ilfracombe ...	b c c b c	b b c	55	60	–	–	6·7	4·9
6	Aberystwyth	c i r	c b c c	51	61	1	0·3	4·2	2·7
7	Llandudno ...	e p o b e	b c b	52	60	0·9	Trace	7·0	4·5
	Colwyn Bay...	b c c	b c b	51	60	0·5	–	6·5	1·7
	Rhyl	c b c	b c b	57	61	0·6	–	7·9	0·3
8	Wallasey ...	b c	b c b	53	62	2	–	5·5	1·9
	Southport‖ ...	c b c c	b c c	53	63	–	–	4·3	1·6
	Blackpool ...	c b c c	c b c c	53	62	0·4	–	6·2	2·2
	Morecambe ...	c b b c	c b c	53	63	2	–	7·0	2·2
9	Ilkley... ...	c	c	48	58	2	–	0·4	3·5
10	Berwick-on-T.	o c	o c b c	48	54	7	–	4·1	5·6
11	Dunbar ...	r b c	b c	48	55	1	–	3·1	1·4
12	Troon... ...	r o o c	c b c c	50	61	Trace	–	6·6	0·8
	Douglas ...	b c	b c	50	60	2	–	8·8	1·2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h MONDAY, 12TH JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th June, 1933.
1. S.E. England 2. E. England...	Moderate northerly wind, fresh locally on coast; cloudy, bright intervals, perhaps occasional rain later near coasts; rather cool.
3. E. Midlands 4. W. Midlands	Light to moderate northerly wind; cloudy, bright intervals; rather cool.
5. S.W. England 6. South Wales	Light variable wind; mainly fair; moderate or rather low temperature.
7. North Wales 8. N.W. England	Light variable winds mainly between west and north; fair at first, local rain or drizzle later; moderate temperature.
9. N Midlands 10. N.E England 11. S.E. Scotland	Light or moderate northerly or variable wind; mainly fair; moderate or rather low temperature.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N W. Scotland	Light variable wind; fair at first, local rain or drizzle later; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light northerly or variable wind; mainly fair; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate winds mainly west or northwest; 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 4/10 clouded. ◕ Sky 5/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ★ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⅋ Thunderstorm. ∞ Haze.
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 southwest of Ireland and over Northern Scandinavia and depressions over West Germany and Iceland, while pressure distribution over the British Isles is rather irregular. Weather will be rather unsettled but there will be bright intervals over most of Great Britain.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 0925 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.

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, 12th June 1933.

No. 26.135

OBSERVATIONS at 1 hr. G.M.T. 12th June

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1016·2	-4	N'E	2	bc	50	85	8	4	3	-	2-3	2-3	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·5	-2	NNW	2	c	49	95	8	5	-	-	10	10	2500
2	Sheeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014·7	-10	NNW	2	bc	50	85	7	2	-	-	4-6	4-6	2500
	Cranwell ...	240														
3	Birmingham ...	595	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015·8	-4	ENE	2	c	54	95	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1016·6	-4	NNW	2	bc	52	95	8	7	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	1017·4	-6	N'W	3	c	56	95	8	8	-	-	9+	9+	2500
	Guernsey ...	175	1015·9	-6	N	1	c	55	95	7	8	-	-	10	10	1500
6	Pembroke ...	142	1016·3	+2	NNE	3	bc	50	85	7	5	6	-	2-3	4-6	2500
7	Holyhead ...	26	1017·6	0	NE'E	2	b	51	95	8	1	-	-	Tr.	Tr.	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015·1	+2	N'W	5	bc	51	95	7	5	1	-	2-3	4-6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1017·3	-3	NNW	3	bc	48	85	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	190	1019·2	0	NNE	1	b	49	85	8	5	-	-	1	1	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1017·0	-6	-	0	bc	44	85	9	5	-	-	2-3	2-3	2500
15	Dalwhinnie §..	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1018·0	-8	W	2	bc	42	95	8	5	4	8	2-3	4-6	2500
16	Lerwick ...	54	1017·3	-6	NNE	4	id.	49	95	6	5	-	-	10	10	800
17	Blacksod Point	18	1017·3	-4	-	0	0	54	95	7	5	-	-	10	10	<150
18	Malin Head ...	52	1017·7	-4	-	0	c	48	85	9	5	7	-	4-6	9	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019·1	-10	N	3	DD	54	95	4	9	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 12th June

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)...	1015·9	-4	N'W	3	bc	53	75	7	1	-	-	2-3	2-3	2500	0	*
	Croyden ...	1016·5	-6	N'W	3	3c	50	95	6	7	-	-	4-6	4-6	1500	0	*
	S. Farnborough	1015·6	-4	N'E	2	bc	51	85	7	2	-	-	2-3	2-3	1500	1	*
	Winchester ...	1015·6	0	N	2	bc	52	85	8	2	-	-	2-3	2-3	2500	1	*
	Boscombe Down	1016·1	+2	N	2	bc	52	85	7	2	-	-	4-6	4-6	1500	1	*
	Calshot, (S'thmtn)	1015·9	+2	N'E	3	b	53	85	8	1	-	-	Tr	Tr	4000	0	1
	Dungeness ...	*	*	NW'N	3	bc	*	*	7	7	8	*	4-6	4-6	1500	0	*
	Lympne ...	1014·6	-4	NW'N	4	3c	49	95	6	8	-	1	7-8	7-8	800	0	*
2	Sheeburyness	1014·8	-6	NW'N	4	c	53	85	8	5	7	-	2-3	7-8	800	1	*
	Felixstowe ...	1013·8	-8	NW'N	2	c	52	95	8	5	5	-	4-6	7-8	450	1	1
	Gorleston ...	1012·4	-6	NW'N	5	c	53	85	7	9	-	-	7-8	7-8	1500	0	3
	Cranwell ...	1015·8	-6	NW	4	bc	48	95	6	8	-	-	2-3	2-3	800	1	*
3	Birmingham ...	1016·8	0	NNE	2	b	52	55	6	-	-	-	0	0	-	0	*
	Upper Heyford	1016·3	-2	N	3	b	50	85	6	1	-	-	Tr	Tr	2500	0	*
4	Ross-on-Wye ...	1016·6	-4	E	2	3c	53	75	6	1	-	-	1	1	4000	1	*
5	Portland Bill...	1015·6	-4	NE	3	b	57	85	8	-	-	-	0	0	-	0	3
	Plymouth ...	1016·0	+2	NW	1	3c	54	85	6	-	-	-	0	Tr	-	0	0
	The Lizard ...	1015·9	+4	N'W	2	bc	57	85	8	7	7	9	2-3	4-6	4000	0	1
	Scilly (St. Mary's)	1016·7	0	N	1	bc	55	95	8	2	4	2	2-3	4-6	4000	0	1
	Guernsey ...	1015·3	+4	NE	2	bc	56	85	7	8	-	-	4-6	4-6	1500	1	1
6	Pembroke ...	1016·5	0	ENE	1	bc	53	85	7	1	4	4	2-3	4-6	4000	0	1
7	Holyhead ...	1017·3	0	NE'E	1	3c	57	75	6	-	-	6	0	4-6	-	0	0
	Chester (Sealand)	1017·8	0	-	0	3c	49	85	5	1	-	-	1	1	4000	0	*
8	L'pool (Bidston)	1018·1	-2	-	0	b	52	75	6	-	-	-	0	0	-	0	*
9	Harrogate ...	1016·8	0	NNE	3	bc	51	75	8	2	-	-	2-3	2-3	4000	0	*
10	Spurn Head ...	1013·7	-4	N'W	6	bc	53	85	7	3	7	-	2-3	4-6	4000	0	4
	Catterick ...	1016·7	0	NW'N	4	bc	52	85	8	1	-	-	2-3	2-3	4000	0	*
	Tynemouth ...	1016·9	-4	NW	3	bc	50	85	8	1	-	-	2-3	2-3	4000	0	2
11	Inchkeith ...	1018·0	-2	SW	2	b	49	85	6	5	-	-	1	1	1500	0	1
	Leuchars ...	1017·7	-6	WNW	2	b	50	85	8	5	-	-	Tr	Tr	4000	0	*
12	Renfrew (Abbotts I)	1017·4	-2	N	1	m	52	75	4	1	-	-	Tr	Tr	4000	0	*
	Eskdalemuir ...	1017·3	-8	-	0	b	51	75	9	-	-	-	0	0	-	0	*
13A	Tiree	1016·8	0	SE'S	1	bc	54	85	9	1	7	9	Tr	2-3	2500	0	1
13B	Stornoway ...	1015·7	-12	ENE	1	b	53	75	9	5	-	-	1	1	2500	1	0
15	Dalwhinnie §..	1018·0	-4	-	0	b	52	55	8	4	-	-	1	1	4000	0	*
	Aberdeen ...	1016·3	-2	NW	3	bc	49	85	8	1	5	-	2-3	4-6	2500	1	1
	Wick	1017·7	-2	NW	2	bc	52	85	8	1	3	-	2-3	2-3	4000	0	2
16	Lerwick ...	1016·1	-2	ENE	3	0	50	95	6	5	-	-	10	10	800	0	*
17	Blacksod Point	1016·3	-6	WNW	3	DD	55	95	86	6	-	-	10	10	<150	1	2
18	Malin Head ...	1016·4	-4	S	1	c	56	75	8	8	7	9	4-6	9	2500	0	0
	Aldergrove ...	1017·4	-6	SE	2	c	54	75	9	7	-	1	9	9+	4000	1	*
	Donaghadee ...	1018·3	0	SE	1	bc	54	85	8	1	-	-	2-3	2-3	4000	0	0
19	Birr Castle ...	1015·6	+2	-	0	c.c.	54	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1018·4	+2	NW'N	3	c	55	95	8	5	-	-	10	10	800	1	2
	Roches Point...	1015·8	-4	SW	2	id	56	95	5	5	-	-	10	10	800	1	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 11th Hrs. (36)
1	London (Kew)...	61	47	35	2	-	3·5
	Croyden ...	60	44	39	2	Tr	1·1
	S. Farnborough	62	38	26	1	Tr	3·9
	Winchester ...	62	41	37	1	-	2·8
	Boscombe Down	64	42	35	Tr	0·6	3·7
	Calshot, (S'thmtn)	62	48	44	5	1	3·1
	Dungeness ...	59	43	*	Tr	Tr	*
	Lympne ...	56	45	43	0·1	Tr	0·5
2	Sheeburyness	59	43	40	2	0·6	0·5
	Felixstowe ...	57	44	38	4	3	0·5
	Gorleston ...	60	47	44	Tr	-	6·6
	Cranwell ...	57	43	41	5	0·2	1·0
3	Birmingham ...	63	45	31	-	-	3·3
	Upper Heyford	63	44	38	0·1	-	*
4	Ross-on-Wye ...	64	47	36	2	-	4·1
5	Portland Bill...	61	50	*	-	0·3	*
	Plymouth ...	62	50	43	-	-	8·5
	The Lizard ...	58	47	*	0·1	-	*
	Scilly (St. Mary's)	61	52	*	1	-	0·8
	Guernsey ...	64	52	47	-	-	7·1
6	Pembroke ...	60	48	*	Tr	-	8·0
7	Holyhead ...	58	49	35	0·1	-	9·9
	Chester (Sealand)	63	36	31	1	-	1·9
8	L'pool (Bidston)	60	48	42	T	-	8·2
9	Harrogate ...	(58)	41	37	Tr	-	3·0
10	Spurn Head ...	59	48	*	0·4	-	7·1
	Catterick ...	57	40	32	0·5	-	3·7
	Tynemouth ...	52	46	44	Tr	-	*
11	Inchkeith ...	57	46	36	0·1	-	7·0
	Leuchars ...	59	37	27	Tr	-	5·8
12	Renfrew (Abbotts I)	62	47	46	-	-	5·4
	Eskdalemuir ...	56	33	27	-	-	6·0
13A	Tiree	58	42	29	-	-	16·5
13B	Stornoway ...	57	41	*	-	-	3·4
15	Dalwhinnie §..	54	28	22	-	-	2·5
	Aberdeen ...	56	39	36	-	-	3·9
	Wick	53	39	*	-	-	*
16	Lerwick ...	53	48	*	Tr	Tr	3·7
17	Blacksod Point	58	54	*	2	2	*
18	Malin Head ...	55	46	*	-	-	6·7
	Aldergrove ...	63	41	34	-	-	7·4
	Donaghadee ...	60	45	*	-	-	*
19	Birr Castle ...	68	53	51	Tr	2	8·0
20	Valentia Obsy.†	58	54	52	0·3	0·3	0·0
	Roches Point...	61	55	*	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 (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□PRm	cm,pc	cbc	61	47	35	2	-	3·5	•	•	7
Croydon	217	cd,c,c	cbcpcq	cbcm	60	44	39	2	Tr	1·1	•	•	7
Greenwich (Royal Observatory) ...	149	cdR	cprR	bc	60	45	35	4	-	2·0	68	70	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	2·4	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	61	49	42	2		1·9	87	60	•
†Regents Pk. (Botanic Gardens) ...	168	•	•	•	62	41	39	1		2·1	82	69	•
Camden Square	110	ccp	ccp	•	61	48	44	1	-	•	•	66	•
Kensington	80	codco	bccpcbc	•	61	48	39	2	-	2·1	At 18h. 74	65	•
Hampstead Observatory	450	oc	bcp	bc	58	43	35	1	-	2·7	•	67	•

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 11th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 12th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014·7	NW	2	c	54	1013·7	NNE	1	c	54
Brussels	1013·0	NNW	4	1c	54	1010·8	NW	4	c.c.	50
Berlin	1005·2	S'W	2	c	59	1008·4	S'E	1	c	57
Zurich	1011·1	WNW	1	c.c.	52	1010·0	N	1	0	50
Rome						1006·3	ESE	2	c	64

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
59	45	0·1	-
63	48	1	0·4
68	52	8	0·2
59	48	4	6
	59		1

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	12h 11M	Nil	0-8h 12h

Kew Observatory. Max.	Time.	Min.	Time.
0·2	13h 11M	<0·1	0-5h 12h

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 ,,	5½ ,,
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; 5/6 per quarter; 20/- 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 9h. § The period referred to in Cols. 31, 32, 34 and 35 are 7h.–17h. and 17h. to 7h. in this report.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 13th June 1933.

No. 26.136

OBSERVATIONS at 13h. G.M.T. 12th June

Discussion	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)...	1014.0	-10	NNW	3	c	61	45	7	8	-	-	7-8	7-8	4000
	Croydon ...	1014.2	-8	NW'N	3	c	59	55	7	7	3	-	9	9+	4000
	S. Farnborough	1013.8	-10	N	3	c	62	55	7	7	-	-	7-8	7-8	4000
	Winchester ...	1014.0	-12	NW'N	3	c	62	55	7	7	-	-	7-8	7-8	4000
	Boscombe Down	1014.5	-10	NNW	3	c	61	45	7	7	-	-	7-8	7-8	2500
	Calshot, S'thmtn	1014.5	-8	NW	3	c	63	55	7	8	-	-	7-8	7-8	4000
	Dungeness ...	*	*	NW	3	c	*	*	7	8	-	*	7-8	7-8	1500
	Lympne ...	1012.8	-10	NW'N	4	c	58	55	8	7	-	-	9	9	2500
2	Shoeburyness	1012.7	-6	NNW	4	c	60	55	8	5	3	-	9	9+	2500
	Felixstowe ...	1011.7	-8	NW'N	4	c	59	75	8	5	-	-	9+	9+	1500
	Gorleston ...	1011.0	-8	NW'N	6	o	54	85	6	6	-	-	10	10	1500
	Cranwell ...	1014.5	-6	NW'N	4	c	58	65	8	8	-	-	9+	9+	2500
3	Birmingham ...	1014.6	-10	NNW	3	bc	63	45	6	1	-	-	2-3	2-3	4000
	Upper Heyford	1014.4	-10	N	3	c	62	55	8	7	-	-	7-8	7-8	4000
4	Ross-on-Wye ...	1014.8	-6	NW'N	3	bc	63	45	7	1	-	8	2-3	2-3	4000
5	Portland Bill...	1015.2	-6	NW	4	bc	57	85	7	4	-	-	4-6	4-6	2500
	Plymouth ...	1015.8	-2	SSW	4	c	61	75	7	8	-	8	4-6	9	2500
	The Lizard ...	1016.2	0	W	2	c	62	75	8	7	4	-	4-6	7-8	4000
	Scilly (St. Mary's)	1017.2	+4	N'W	2	c	61	75	8	8	7	2	2-3	9	4000
	Guernsey ...	1016.0	+2	NEE	2	bc	60	75	8	1	-	-	2-3	2-3	2500
6	Pembroke ...	1016.5	0	NW	1	c	59	85	7	4	6	-	4-6	7-8	4000
7	Holyhead ...	1016.8	-2	N	3	bc	61	65	8	5	-	1	4-6	4-6	7200
	Chester (Sealand)	1016.2	-6	WNW	4	b	61	55	8	1	-	9	Tr.	1	4000
8	L'pool (Bidston)	1016.2	-2	NNW	3	b	59	55	9	1	-	8	Tr.	1	5700
9	Harrogate ...	1015.0	-6	N	3	b	61	55	7	1	-	-	1	1	4000
10	Spurn Head ...	1012.7	-4	N	7	c	57	75	7	8	7	-	4-6	7-8	4000
	Catterick ...	1014.9	-12	NNW	4	bc	63	55	8	1	-	-	2-3	2-3	4000
	Tynemouth ...	1015.4	-2	NNE	4	bc	53	75	8	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1015.8	-10	SW	1	bc	63	55	8	2	-	-	2-3	2-3	4000
12	Leuchars ...	1016.1	-8	E	3	bc	61	55	8	8	-	-	2-3	2-3	4000
	Renfrew (Abbotts I.)	1015.7	-10	W	1	bc	64	55	8	1	7	-	4-6	4-6	4000
	Eskdalemuir ...	1016.0	-8	-	0	c	61	45	9	8	-	-	9	9	4000
13A	Tiree	1016.6	0	-	0	c	60	65	9	4	3	-	Tr.	9+	4000
13B	Stornoway ...	1015.1	-2	SE	3	bc	56	65	9	7	3	-	2-3	2-3	2500
15	Dalwhinnie ...	1015.8	-6	-	0	bc	62	45	8	4	-	3	2-3	4-6	4000
	Aberdeen ...	1016.5	-2	NW'N	3	r	54	75	8	9	7	-	4-6	9	1500
	Wick	1016.8	+2	NE	2	c	52	95	8	8	8	-	4-6	7-8	2500
16	Lerwick ...	1016.5	-6	NNE	2	bc	54	95	6	5	5	1	2-3	4-6	1500
17	Blacksod Point .	1016.9	0	W	3	c	58	85	8	5	-	-	10	10	4500
18	Malin Head ...	1016.4	-2	NW	1	c	58	75	8	2	9	9	1	7-8	2500
	Aldergrove ...	1016.3	-6	SW	2	c	63	55	8	7	9	-	4-6	7-8	5700
	Donaghadee ...	1017.9	-4	SSE	1	bc	57	75	8	7	3	-	2-3	4-6	4000
19	Birr Castle ...	1016.5	-2	NW	1	c	61	85	8	6	2	-	9	10	1500
20	Valentia Obsy.	1015.7	+2	NW	3	c	59	85	8	5	-	-	9+	9+	1500
	Roches Point...	1016.9	+2	NW	3	c	60	85	8	3	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 12th June

Discussion	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)...	1011.1	-10	N	4	bc	65	45	7	-	3	-	0	4-6	-	0	*
	Croydon ...	1011.2	-8	NW'N	4	c	65	55	7	5	-	-	9	9	5700	0	*
	S. Farnborough	1010.9	-16	N	3	b	65	45	6	-	3	1	0	1	-	0	*
	Winchester ...	1011.3	-10	WNW	3	c	63	55	7	5	-	-	7-8	7-8	4000	0	*
	Boscombe Down	1012.2	-10	NW	3	c	63	45	7	-	-	2	0	7-8	-	0	*
	Calshot, S'thmtn	1012.0	-10	WNW	4	bc	65	55	7	1	-	1	2-3	2-3	4000	0	1
	Dungeness ...	*	*	NNW	3	c	*	*	7	4	-	*	9+	10	1500	*	2
	Lympne ...	1010.6	-8	NNW	4	c	57	65	8	5	7	-	7-8	10	4000	0	*
2	Shoeburyness	1010.8	-16	NNW	4	ir	55	85	6	5	-	-	10	10	800	1	*
	Felixstowe ...	1009.1	-14	NW'N	5	c	56	85	7	5	-	-	10	10	2500	1	3
	Gorleston ...	1008.7	-10	NNW	6	ir	54	95	5	6	-	-	10	10	1500	0	3
	Cranwell ...	1012.0	-8	N'W	4	c	61	65	8	5	3	1	4-6	7-8	2500	0	*
3	Birmingham ...	1012.6	-6	NNW	3	bc	63	55	8	1	-	1	1	2-3	4000	0	*
	Upper Heyford	1011.8	-12	NNE	3	c	64	45	8	7	-	6	Tr.	7-8	4000	0	*
4	Ross-on-Wye ...	1013.1	-8	N'W	3	b	64	45	8	1	7	9	Tr.	1	4000	0	*
5	Portland Bill...	1012.9	-16	W	4	bc	57	85	7	5	-	1	4-6	4-6	2500	0	3
	Plymouth ...	1014.1	-6	NNW	5	b	64	55	8	4	-	-	Tr.	Tr.	5700	0	2
	The Lizard ...	1015.5	0	NW	2	bc	60	65	8	7	4	-	2-3	4-6	5700	0	1
	Scilly (St. Mary's)	1016.6	-6	NW'N	3	c	60	75	8	5	4	-	4-6	7-8	4000	0	1
	Guernsey ...	1014.6	-8	WNW	3	bc	59	65	8	-	3	-	0	4-6	-	0	2
6	Pembroke ...	1014.8	-8	NNW	2	c	57	75	7	5	2	-	4-6	9+	2500	0	1
7	Holyhead ...	1015.8	-8	NW'N	2	c	57	65	8	5	3	-	2-3	7-8	7200	0	0
	Chester (Sealand)	1014.7	-12	WNW	4	c	57	65	8	-	3	1	0	7-8	-	0	*
8	L'pool (Bidston)	1015.2	-10	NW	4	bc	56	65	9	1	5	-	1	4-6	4000	0	*
9	Harrogate ...	1013.5	-6	NE	3	b	59	45	8	-	4	-	0	Tr.	-	0	*
10	Spurn Head ...	1010.1	-4	N	7	c	54	95	7	5	2	-	7-8	9+	2500	0	5
	Catterick ...	1013.6	-4	NNE	3	bc	58	55	8	4	4	5	Tr.	2-3	4000	0	*
	Tynemouth ...	1014.4	-8	NE	4	c	52	95	7	6	-	-	7-8	7-8	1500	0	3
11	Inchkeith ...	1015.6	-6	E	3	c	57	75	8	2	-	7	2-3	10	4000	0	3
12	Leuchars ...	1015.9	-2	E	3	c	55	75	8	2	2	6	Tr.	7-8	4000	0	*
	Renfrew (Abbotts I.)	1014.3	-6	WNW	3	bc	63	55	9	8	7	-	4-6	4-6	5700	0	*
	Eskdalemuir ...	1014.1	-4	NW	3	c	59	55	8	8	-	3	7-8	7-8	4000	0	*
13A	Tiree	1015.9	0	NNW	1	b	56	75	9	1	4	-	Tr.	Tr.	4000	0	1
13B	Stornoway ...	1014.5	0	SE	2	bc	57	75	9	7	7	-	2-3	2-3	2500	1	1
15	Dalwhinnie ...	1015.3	-4	NW	2	bc	63	45	8	4	1	-	4-6	4-6	4000	0	*
	Aberdeen ...	1015.8	-4	N	3	r	55	75	8	6	3	-	2-3	7-8	2500	1	1
	Wick	1016.5	-2	NE	2	bc	52	95	8	7	3	-	4-6	4-6	2500	0	2
16	Lerwick ...	1016.5	-2	NNE	1	c	55	86	6	5	6	1	4-6	7-8	800	0	*
17	Blacksod Point .	1015.1	-6	W	2	dr	58	95	7	6	-	-	10	10	4150	1	2
18	Malin Head ...	1015.4	-4	E	1	c	57	75	8	-	9	-	0	7-8	-	0	0
	Aldergrove ...	1014.8	-8	SSW	2	c	61	75	8	8	3	-	4-6	7-8	4000	0	*
	Donaghadee ...	1015.9	-8	S	1	bc	62	65	8	7	3	-	2-3	4-6	4000	0	0
19	Birr Castle ...	1015.2	-4	NW	1	c/r	62	85	8	8	-	-	9+	9+	2500	1	*
20	Valentia Obsy.	1018.0	-4	NNW	3	o/pr	57	95	6	5	-	-	10	10	220	1	2
	Roches Point...	1015.7	-6	NW	3	c	65	75	9	3	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

Discussion	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 12th (37)	Weather. 13h.–18h. 12th (38)	Weather. 18h. 12th to 1h. 13th (39)	Weather. 1h.–7h. 13th (40)
1	London (Kew)...	bcc	cbcy	bcy	bccirm.
	Croydon ...	bcm.cy	cbcy	bcc	cd.rrm.
	S. Farnborough	bccy	cbcy	by3.bc	cm.oR
	Winchester ...	bbc	bcy	bcb	bbcc
	Boscombe Down	bcc	cbcy	bcbbc	bcc
	Calshot, S'thmtn	bbcy	bcy	bcyc	c
	Dungeness ...	bc	o	*	r
	Lympne ...	cy	cy	ccr.m.	corrf
2	Shoeburyness	c	cor.	cirm.	orrd.
	Felixstowe ...	bcc	crrc	cror.orrc	c
	Gorleston ...	coq	oir.q	orir.	or.
	Cranwell ...	bbcc	cbcc	cr	corm.
3	Birmingham ...	bbc	bcb	bbc	bco
	Upper Heyford	bbccy	bcbyc	cyc	cddm.
4	Ross-on-Wye ...	bc3.	bcyby	by	bbcc
5	Portland Bill...	bc	bc	bbc	bcc
	Plymouth ...	bm.c	cq by	bybc	corrr
	The Lizard ...	bcc	cbc	bccow	frrmc
	Scilly (St. Mary's)	bcc	c	c	difrm
	Guernsey ...	bc	bc	bc	bcco
6	Pembroke ...				
7	Holyhead ...	bcm.c	c	cid.c	corcbcf
	Chester (Sealand)	3. bc	bc	bcbc	bbcc
8	L'pool (Bidston)	3. bcy	bybc	bc	bcord
		bybvb	ybvb	wb	b ccr
9	Harrogate ...	bcb	b	b	OFFrr
10	Spurn Head ...	bc	bc	orr	rfc
	Catterick ...	bbcy	ybcbbc	bycirm.	oirm
	Tynemouth ...	bc	bcc	corrq	orrffo
11	Inchkeith ...	bbc	bcc	c	cir.
12	Leuchars ...	bcbcy	bybbc	cjpbc	cpr.bc
	Renfrew (Abbotts I.)	bmbc3.by	bcyV	bcyb	bbccm.
	Eskdalemuir ...	bcy	cydtjpcy	cybcc	cpr.
13A	Tiree	bbcc	cb	bw	bc
13B	Stornoway ...	bbc	bc	bc	bc
15	Dalwhinnie ...	bc	bc	.	bc
	Aberdeen ...	bccr.	cr.bc	cr.bc	bc
	Wick	bcc	cbc	bc	bcFF
16	Lerwick ...	bc	bcc	corrq	orrffo
17	Blacksod Point .	id.	id.	id.	id.
18	Malin Head ...	c	c	bc	bcc
	Aldergrove ...	cvc	bccy	cp.bw	bw
	Donaghadee ...	bbc	bc	bc	bcb
19	Birr Castle ...	irc	cir	cir	irc
20	Valentia Obsy.	c	cpr.o	cir.id.	oir.
	Roches Point...	oidc	cir.cV	cg	cirbc

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.
fa, 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. ⁿ 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.*

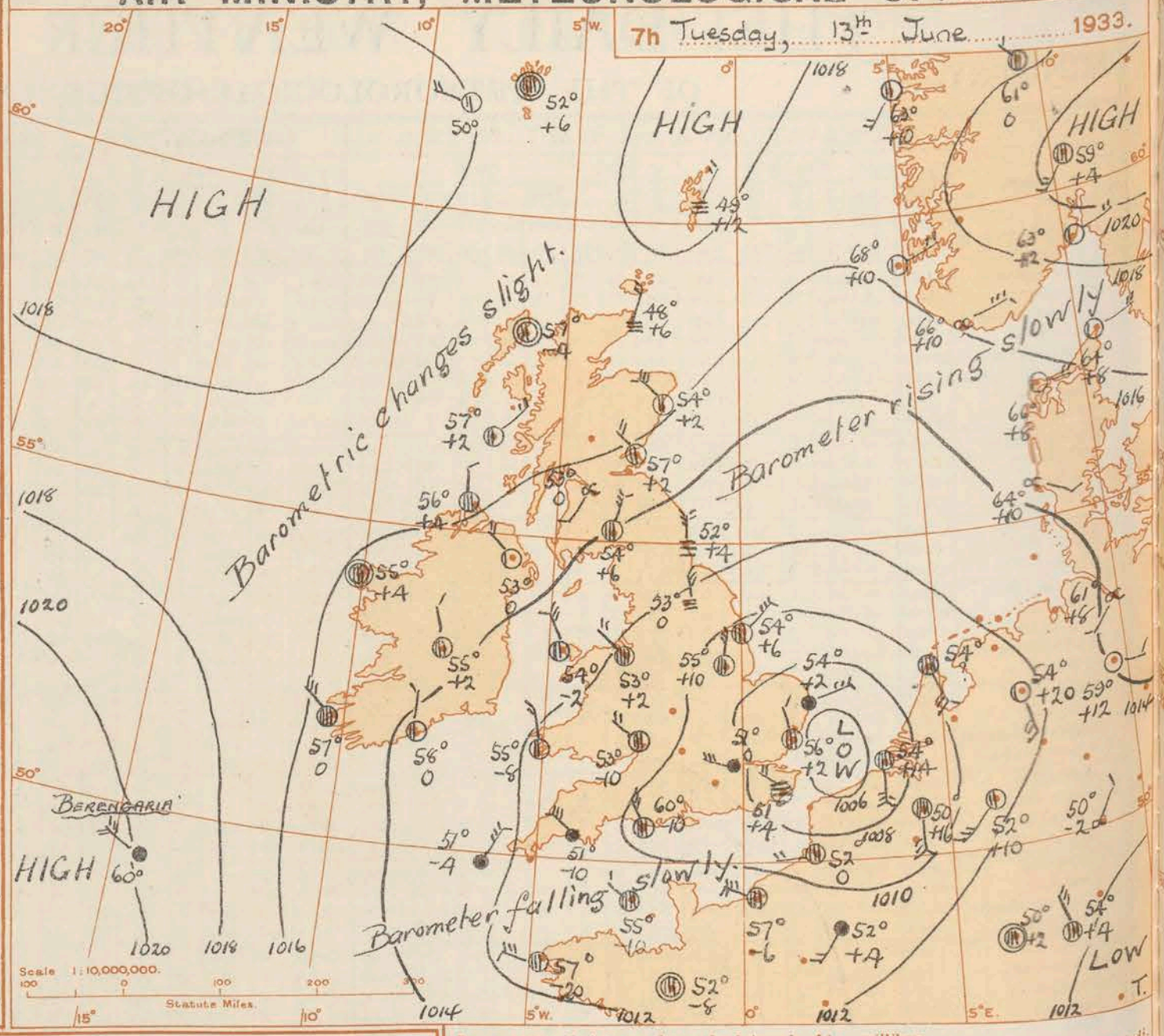
REPORTS from HEALTH RESORTS for 12th June 1933.

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.	bcc	cbc	42	64	~	-	6·0	1·2
	Bournemouth	b	b	45	68	3	-	10·1	7·0
	Ventnor ...	bc	b	47	64	-	-	9·0	4·6
	Southsea ...	bbc	cb	48	67	25	-	10·1	3·0
	Bognor Regis	bbc	bc	47	66	-	-	10·0	2·8
	Littlehampton	bc	bc	46	66	Trace	-	8·0	2·1
	Worthing ...	bcc	cbc	47	65	2	-	8·4	1·6
	Brighton ...	bcc	cbcb	47	66	9	-	8·5	2·4
	Eastbourne†	bcco	ocbc	48	65	0·4	-	8·0	0·5
	Hastings† ...	bccbc	bcc	47	63	-	-	5·9	0·9
	Folkestone ...	oc	co	48	62	1	-	0·5	0·2
	Dover... ...	ycoc	cbccy	49	62	0·4	-	2·2	0·6
	Deal	bo	oco	46	62	-	-	1·6	1·5
	Ramsgate ...	c	cod	50	62	-	Trace	3·1	1·6
	Margate ...	c	cd	51	59	0·3	0·1	3·4	1·2
2	Southend ...	bcc	cbcc	46	62	1	-	3·4	0·5
	Maldon ...	cbc	c	48	61	1	-	3·0	0·5
	Clacton-on-Sea	bcc	c	45	60	1	-	1·7	1·1
	Dovercourt ...	rocbc	bcroc	45	60	3	0·3	1·4	0·4
	Lowestoft ...	cid	co	44	57	-	0·4	0·9	5·4
	Skegness ...	bc	bcom	46	60	-	-	4·6	5·9
	Mablethorpe	cv	cv	44	59	-	-	4·0	7·1
	Cleethorpes ...	oc	oco	49	60	-	-	2·7	4·4
3	Leamington S.	cbc	bc	45	69	-	-	11·6	6·4
4	Cheltenham†	bcb	bbcc	44	68	Trace	-	11·0	3·5
5	Bath	bbc	bbc	46	67	2	-	11·0	4·5
	Weymouth ...	b	b	50	65	-	-	11·0	5·9
	Jersey ...	bc	bcb	54	65	-	-	11·7	9·2
	Torquay ...	b	by	50	67	-	-	9·6	11·2
	Penzance ...	bcb	b	51	67	-	-	11·0	0·8
	St. Ives ...	b	b	58	61	-	-	11·4	1·0
	Bude	bcb	b	43	63	-	-	11·4	6·1
	Ilfracombe ...	b	b	51	61	-	-	10·0	8·6
6	Aberystwyth	cbc	bcbbc	47	61	-	-	10·2	4·7
7	Llandudno ...	b	bbc	45	62	-	-	11·7	9·6
	Colwyn Bay...	bbc	bcb	45	61	-	-	12·1	9·4
	Rhyl	b	bbc	41	61	-	-	10·8	10·7
8	Wallasey ...	b	bbc	49	63	-	-	11·8	8·2
	Southport‖ ...	b	b	41	64	-	-	12·5	6·1
	Blackpool ...	bc	bcc	41	62	-	-	12·7	6·9
	Morecambe ...	b	b	44	65	-	-	13·0	9·4
9	Ilkley... ...	b	b	38	68	-	-	11·1	0·4
10	Berwick-on-T.	bc	bcc	40	56	-	-	12·3	1·3
11	Dunbar ...	bc	bc	40	58	-	-	11·8	6·0
12	Troon... ...	cbc	cbc	49	61	Trace	-	10·9	6·9
	Douglas ...	bc	bccb	46	63	-	-	11·5	12·1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-8h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday, 13th June 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th June, 1933
1. S.E. England 2. E. England... 3. E. Midlands	Light or moderate variable wind becoming northeast or east; cloudy; local rain, improving; rather low to moderate temperature.
4. W. Midlands	Light or moderate easterly wind; cloudy, occasional rain, improving; rather low to moderate temperature.
5. S.W. England 6. South Wales	Light or moderate north to northeast wind; cloudy, occasional rain, improving; rather low to moderate temperature.
7. North Wales 8. N.W. England 9. N. Midlands	Light or moderate north or northeast wind; cloudy, local rain; bright intervals; moderate temperature.
10. N.E. England 11. S.E. Scotland	Light or moderate north or northeast wind; cloudy, slight rain locally; local coastal fog; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. / B. N.W. Scotland 14. Mid-Scotland	Light north or northeast or variable wind; mainly fair; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Light north or northeast wind; cloudy, local coastal fog; rather low to moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light northerly or variable wind; cloudy, local rain, bright intervals; 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 5/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Haze.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression centred off the Thames Estuary is moving west or southwest slowly and beginning to fill up. Weather will be unsettled in the South with, however, an improving tendency, and mainly fair in Scotland.

FURTHER OUTLOOK.

Mainly fair.

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 13th JUNE 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, 13th June 1933.

No. 26,136

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

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	1010·6	-4	WNW	3	c	55	65	7	5	7	8	2-3	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1008·1	-14	NW	4	ir.	52	85	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1006·5	-12	N'E	4	ir.	54	95	5	6	-	-	10	10	800
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1011·1	-2	NNW	3	bc	54	95	8	4	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1014·3	-12	-	0	o	54	95	T	5	-	-	10	10	4000
	Scilly (St. Mary's)	163	1015·2	-10	NW	2	c	55	95	T	8	T	-	4-6	7-8	4000
	Guernsey ...	175	1013·5	-10	NNW	2	bc	54	85	T	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1014·2	-4	NW	1	id.	53	85	T	5	-	-	10	10	1500
7	Holyhead ...	26	1014·0	-10	NW	2	b	53	85	T	5	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1007·3	-8	N	7	RR	54	95	6	6	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1012·0	-14	N	4	rr	51	95	T	6	-	-	10	10	1500
11	Inchkeith ...	190	1015·7	-2	NNE	1	c	52	95	8	5	-	-	9	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1015·1	0	W	1	bc	47	95	8	5	1	-	2-3	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	c	*	*	*	*	*	*	*	*	*
	Wick	81	1017·5	0	WNW	2	bc	45	95	8	5	4	-	2-3	2-3	2500
16	Lerwick ...	54	1016·9	+10	NNE	2	F	48	95	1	-	-	-	10	10	<150
17	Blacksod Point	18	1015·1	0	-	0	c	54	95	7	5	-	-	9+	9+	220
18	Malin Head ...	52	1015·0	-2	-	0	b	48	85	8	5	-	5	Tr.	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1016·7	-10	NW	3	dd	56	95	5	9	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)...	1008·2	0	NNW	2	ir.	53	95	6	5	-	-	10	10	1500	1	*
	Croydon ...	1008·6	0	W'N	3	r.r.	51	95	5	6	-	-	10	10	450	1	*
	S. Farnborough	1008·7	-6	W'N	2	ir.	51	95	6	5	-	-	10	10	800	1	*
	Winchester ...	1009·1	-8	WNW	3	c	52	75	8	5	-	-	9	9	5700	0	*
	Boscombe Down	1009·3	-8	NW	4	c	52	65	7	5	4	-	9	9+	4000	0	*
	Calshot (S'thmtn)	1009·2	-8	WNW	3	u	54	75	7	5	9	3	4-6	9	4000	0	1
	Dungeness ...	*	*	W	2	rr	*	*	6	3	-	*	10	10	800	*	0
	Lympne ...	1007·3	+4	NW	2	of	51	95	3	6	-	-	10	10	<150	1	*
2	Shoeburyness	1006·8	0	NNW	3	o/d.	54	95	6	6	-	-	10	10	450	1	*
	Felixstowe ...	1006·2	+2	N	1	c	56	95	7	8	3	-	4-6	7-8	2500	1	0
	Gorleston ...	1006·3	+2	ENE	4	r.c.	54	95	5	6	-	-	10	10	800	1	3
	Cranwell ...	1009·1	+10	N'E	3	c	55	95	6	5	-	-	9+	9+	800	1	*
3	Birmingham ...	1010·1	-4	NNW	4	ir.	50	95	5	6	-	-	10	10	800	0	*
	Upper Heyford	1009·2	-10	NNW	3	rr	50	95	5	6	2	-	9+	10	450	1	*
4	Ross-on-Wye ...	1010·4	-10	NW'W	2	c	53	65	8	5	2	-	2-3	9	4000	0	*
5	Portland Bill...	1009·7	-10	NNW	3	c	60	85	7	4	-	-	7-8	7-8	2500	0	3
	Plymouth ...	1011·1	-10	NNW	4	rr	51	95	7	6	2	-	7-8	10	800	1	1
	The Lizard ...	1010·7	+4	NNE	5	pr	50	95	8	8	-	-	7-8	7-8	2500	1	3
	Scilly (St. Mary's)	1012·1	-4	NE'E	4	ir.	51	95	7	8	-	-	10	10	2500	1	3
	Guernsey ...	1010·8	-10	NW	1	o/pr	55	85	7	5	-	-	10	10	2500	0	2
6	Pembroke ...	1011·3	-8	N	2	fs	55	85	7	7	-	-	2-3	2-3	2500	1	1
7	Holyhead ...	1013·1	-2	N'W	4	c	54	85	7	5	-	-	9	9	4000	0	1
	Chester (Sealand)	1011·9	+2	NNW	2	o/d	53	95	6	5	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1011·8	0	N'W	2	c/r	53	95	8	5	1	-	9+	10	1500	1	*
9	Harrogate ...	1011·3	0	N	3	F	53	95	1	-	-	-	10	10	<150	1	*
10	Spurn Head ...	1008·8	+6	NE	4	c	54	95	6	3	2	-	4-6	9+	2500	1	3
	Catterick ...	1012·1	+8	NNW	4	m	53	95	4	5	-	-	10	10	450	1	*
	Tynemouth ...	1013·2	+4	N	5	of	52	95	2	6	-	-	10	10	1500	1	3
11	Inchkeith ...	1015·0	+4	-	0	c	55	85	7	8	6	-	4-6	7-8	2500	0	1
	Leuchars ...	1015·3	+2	NW	2	bc	57	75	8	8	-	-	4-6	4-6	4000	0	*
12	Renfrew (Abbotts I.)	1015·1	0	SSW	1	3.	53	85	6	5	3	-	7-8	7-8	4000	0	*
	Eskdalemuir ...	1013·7	+6	NNE	4	c	54	85	6	5	-	-	9+	9+	800	0	*
13A	Tiree	1016·2	+2	NE'N	2	bc	57	85	9	-	5	6	0	4-6	-	0	2
13B	Stornoway ...	1015·5	-4	-	0	bc	57	75	9	5	4	-	2-3	4-6	1500	1	0
15	Dalwhinnie ...	1017·6	+2	NW	2	bc	52	65	8	4	4	-	2-3	4-6	4000	0	*
	Aberdeen ...	1016·3	+2	NW'N	4	bc	54	85	8	5	3	-	2-3	4-6	1500	1	1
	Wick	1017·8	+6	NNE	2	F	48	95	1	-	-	-	10	10	<150	0	2
16	Lerwick ...	1018·4	+12	NNE	2	F	49	95	1	-	-	-	10	10	<150	0	*
17	Blacksod Point	1015·9	+4	-	0	c	55	85	9	-	1	-	0	10	-	0	2
18	Malin Head ...	1016·2	+4	N'E	1	c	56	85	8	-	-	6	0	9	-	0	0
	Aldergrove ...	1015·1	0	NW	2	b	53	85	8	-	3	1	0	1	-	0	*
	Donaghadee ...	1015·7	+4	N	2	bc	55	75	8	5	3	-	1	2-3	4000	0	0
19	Birr Castle ...	1014·8	+2	N	1	c	55	95	8	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy.†	1015·7	0	NW	3	c/r.	57	95	7	6	-	-	10	10	450	1	2
	Roches Point...	1013·0	0	N	1	bc	58	95	8	3	-	9	2-3	4-6	1500	1	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 1/24 Hrs. (36)
1	London (Kew)...	66	52	45	-	2	8·7
	Croydon ...	67	51	49	-	6	7·0
	S. Farnborough	67	45	30	-	2	12·5
	Winchester ...	66	47	43	-	-	12·5
	Boscombe Down	65	47	43	-	-	12·6
	Calshot (S'thmtn)	65	52	47	-	-	
	Dungeness ...	66	49	*	-	17	*
	Lympne ...	60	49	49	-	6	3·7
2	Shoeburyness	63	50	50	Tr.	4	3·3
	Felixstowe ...	60	52	48	0·5	3	1·2
	Gorleston ...	57	53	52	Tr.	9	1·1
	Cranwell ...	64	51	50	-	4	10·5
3	Birmingham ...	65	49	45	-	0·3	13·7
	Upper Heyford	66	49	47	-	1	*
4	Ross-on-Wye ...	67	47	36	-	-	13·6
5	Portland Bill...	61	54	*	-	-	*
	Plymouth ...	65	50	48	-	7	12·1
	The Lizard ...	64	50	*	-	5	*
	Scilly (St. Mary's)	64	50	*	-	3	9·8
	Guernsey ...	62	54	48	-	Tr.	13·2
6	Pembroke ...	61	48	*	-	4	7·2
7	Holyhead ...	61	52	43	-	-	12·9
	Chester (Sealand)	63	50	43	-	1	11·3
8	L'pool (Bidston)	60	52	49	-	1	12·2
9	Harrogate ...	62	50	47	-	7	14·7
10	Spurn Head ...	58	51	*	-	9	3·4
	Catterick ...	64	50	50	-	6	15·7
	Tynemouth ...	54	50	49	-	9	*
11	Inchkeith ...	65	51	39	-	Tr.	15·1
	Leuchars ...	63	47	38	-	Tr.	14·0
12	Renfrew (Abbotts I.)	66	40	39	-	-	12·8
	Eskdalemuir ...	65	48	46	Tr.	0·1	10·3
13A	Tiree	61	48	38	-	-	11·9
13B	Stornoway ...	59	46	*	-	-	16·5
15	Dalwhinnie ...	65	34	28	-	-	13·0
	Aberdeen ...	56	48	46	Tr.	Tr.	3·6
	Wick	55	42	*	-	-	*
16	Lerwick ...	56	47	*	-	-	6·7
17	Blacksod Point	59	53	*	1	0·2	*
18	Malin Head ...	60	45	*	-	-	11·8
	Aldergrove ...	66	42	35	-	Tr.	6·5
	Donaghadee ...	63	49	*	-	-	*
19	Birr Castle ...	64	54	54	2	1	0·1
20	Valentia Obsy.†	60	56	54	0·2	4	0·1
	Roches Point...	66	56	*	2	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	bcc	cbcy	bcybccirm.	66	52	45	-	2	8·7	*	*	6
Croydon	217	bcm.cy	cbcy	bcdrrm.	67	51	49	-	6	7·0	*	*	4
Greenwich (Royal Observatory) ...	149	c	cbyc	crrcm	66	51	49	-	4	7·1	53	95	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	68	52	51	5		8·3	38	91	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	69	51	49	5		8·5	59	98	*
Camden Square	110			*	67	51	51	-	4			96	*
Kensington	80	c	cbcc	*	66	52	50	-	4	9·3	At 18h.	87	*
Hampstead Observatory	450	cbc	bc	*	64	49	47	-	5	9·4	44	97	*
		bc	bc	orm							*		

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 12th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 13th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·2	-	0	r.r.	55	1011·1	SSW	2	r.r.	52
Brussels						1009·6	SSE	4	c	50
Berlin	1010·6	SW	2	bc	68	1012·8	N'W	1	3.	63
Zürich	1009·9			ir.	52	1009·5	WNW	1	0	52
Rome										

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
57	50	Tr.	13
70	55	-	-
57	50	1	1

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·3	0-24h 13th	NIL	9-23½h 12th

Kew Observatory. Max.	Time.	Min.	Time.
Defective		Record	

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.

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, 14th June 1933.

No. 26·137

OBSERVATIONS at 13h. G.M.T. 13th June

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)	1009·3	+12	N	3	pr.	59	75	6	8	-	-	10	10	2500
	Croydon	1008·7	+2	NNW	2	c	60	85	6	7	2	-	7-8	9	4000
	S. Farnborough	1009·1	+2	NE	2	c	62	75	7	8	-	-	7-8	7-8	2500
	Winchester	1009·3	+2	SW'S	2	c	58	85	6	5	-	-	9+	9+	2500
	Boscombe Down	1009·7	-2	WSW	2	c	58	85	6	6	2	-	7-8	9+	800
	Calshot, S'thmtn	1010·5	+12	WNW	2	c	57	85	7	5	-	-	10	10	1500
	Dungeness	*	*	W	2	d.d.	*	*	4	9	-	*	10	10	450
	Lympne	1009·7	+14	S	1	df	55	95	3	6	-	-	10	10	<150
2	Shoeburyness	1009·2	+10	SSE	3	id.	59	85	7	5	-	-	10	10	2500
	Felixstowe	1009·4	+16	NE	3	3o	61	85	6	5	3	-	7-8	10	800
	Gorleston	1010·2	+16	SE	5	0	57	85	6	6	-	-	10	10	1500
	Cranwell	1010·8	+6	NNE	4	d.d.	55	95	5	5	-	-	10	10	450
3	Birmingham	1010·9	+6	NE	3	c	56	75	5	6	2	-	4-6	10	1500
	Upper Heyford	1010·3	+10	NE'N	3	c/r	56	85	8	6	-	-	10	10	1500
4	Ross-on-Wye	1010·9	+4	NNE	3	c	60	65	6	5	-	-	9+	9+	4000
5	Portland Bill	1010·4	+6	NNW	3	c	60	95	7	5	2	-	7-8	10	1500
	Plymouth	1010·6	+2	NW	4	bc	64	65	8	2	-	1	4-6	4-6	2500
	The Lizard	1011·6	+4	W'N	5	b	64	65	8	7	-	-	1	1	5700
	Scilly (St. Mary's)	1013·8	+6	N	4	bc	61	85	8	1	-	5	1	2-3	4000
	Guernsey	1010·8	0	-	0	c	61	65	7	8	-	-	9+	9+	2500
6	Pembroke	1011·4	+2	NNE	3	c	60	75	7	7	6	-	4-6	7-8	4000
7	Holyhead	1013·6	+4	N	4	3o	59	85	6	1	-	-	2-3	2-3	1500
	Chester (Sealand)	1012·2	+2	NNE	3	c	64	65	6	5	-	-	7-8	7-8	2500
8	L'pool (Bidston)	1012·6	+6	NE	3	bc	62	65	7	8	-	-	4-6	4-6	2500
9	Harrogate	1013·3	+6	ESE	3	c	57	75	8	6	2	-	9	10	4000
10	Spurn Head	1011·1	+4	ENE	4	c	59	85	6	5	7	-	4-6	9	2500
	Catterick	1013·7	+10	NE	4	c	60	65	8	8	-	-	9+	9+	2500
	Tynemouth	1014·3	+14	NE	2	bc	57	95	6	2	-	-	2-3	2-3	2500
11	Inchkeith	1017·0	+8	E	3	c	55	95	7	5	2	-	7-8	10	1500
12	Leuchars	1017·0	+10	NE	3	c	60	85	7	5	3	9	7-8	7-8	1500
	Renfrew (Abbotts'l)	1015·7	+8	ENE	4	c	66	65	7	8	4	-	7-8	7-8	4000
	Eskdalemuir	1015·4	+6	NNE	3	c/d	56	85	7	5	-	-	10	10	800
13A	Tiree	1017·1	+2	NNW	2	b	58	85	9	-	8	8	0	1	-
13B	Stornoway	1016·3	+4	NE	3	bc	60	55	9	5	4	8	2-3	4-6	2500
15	Dalwhinnie	1015·8	-2	NE	4	bc	69	75	8	4	-	-	2-3	2-3	4000
	Aberdeen	1017·7	+12	NE	4	bc	63	75	8	1	8	-	1	4-6	2500
	Wick	1019·4	+10	NE	3	c	52	95	8	5	3	1	2-3	7-8	2500
16	Lerwick	1019·7	+6	NNE	2	c	53	95	7	5	1	-	9	10	800
17	Blacksod Point	1016·7	+6	N	1	bc	62	85	9	2	-	9	1	4-6	1500
18	Malin Head	1016·9	+6	N	1	bc	57	85	8	-	3	5	0	2-3	-
	Aldergrove	1015·1	+4	NNE	3	c	67	65	8	7	-	-	7-8	7-8	4000
	Donaghadee	1016·2	-2	NE	3	c	57	75	7	5	-	-	9	9	1500
19	Birr Castle	1014·8	+2	N	2	bc	69	55	8	1	-	6	2-3	4-6	2500
20	Valentia Obsy.	1016·5	+2	NW	3	c	59	95	8	5	-	-	9+	9+	450
	Roches Point	1014·6	+6	N	2	bc	68	65	9	3	-	9	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 13th June

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)	1011·3	+10	-	0	c	61	75	6	5	3	-	4-6	9+	2500	1	*
	Croydon	1011·6	+14	S	1	3o	59	85	5	9	7	-	7-8	9	1500	1	*
	S. Farnborough	1011·4	+12	S	1	ir	58	95	6	9	-	-	10	10	1500	1	*
	Winchester	1011·1	+10	N	2	c	59	85	7	5	7	-	4-6	9+	2500	0	*
	Boscombe Down	1011·3	+10	N	2	c/r	57	95	6	5	3	-	7-8	9+	1500	0	*
	Calshot, S'thmtn	1010·9	+4	N'W	2	c/p	60	85	7	5	7	-	7-8	10	800	0	1
	Dungeness	*	*	SW	2	c	*	*	7	4	6	*	2-3	7-8	2500	*	1
	Lympne	1012·4	+14	S'W	2	3o	56	85	6	5	2	-	9	9+	1500	1	*
2	Shoeburyness	1011·4	+14	S'W	2	c	59	95	6	5	7	-	7-8	10	1500	1	*
	Felixstowe	1012·1	+12	SE'E	3	c	57	85	7	5	2	-	7-8	10	800	0	1
	Gorleston	1013·1	+24	SE'E	4	c	57	85	6	5	-	-	10	10	1500	1	3
	Cranwell	1012·7	+10	NE'N	2	c	57	95	6	5	-	-	9+	9+	450	1	*
3	Birmingham	1012·7	+6	NE	3	c	57	85	6	6	-	-	10	10	1500	0	*
	Upper Heyford	1011·5	+8	N	3	3o	57	95	6	5	-	-	9	9	800	1	*
4	Ross-on-Wye	1012·0	+8	NE	3	id.	57	85	6	5	-	-	10	10	1500	0	*
5	Portland Bill	1011·7	+4	NNW	2	c	57	95	7	5	-	-	10	10	1500	0	2
	Plymouth	1011·5	+8	ENE	1	c	61	65	8	5	-	-	9+	9+	2500	1	0
	The Lizard	1012·7	+4	NNW	4	c	60	75	85	8	6	-	4-6	7-8	4500	0	3
	Scilly (St. Mary's)	1013·9	0	NNW	5	c	60	85	8	5	4	5	4-6	7-8	4000	0	3
	Guernsey	1011·8	+12	-	0	bc	60	75	7	-	3	-	0	4-6	-	0	1
6	Pembroke	1012·4	-2	N	3	c	60	75	7	4	5	-	4-6	9+	4000	0	2
7	Holyhead	1014·0	-2	NNE	4	3o	58	85	7	5	-	1	4-6	4-6	7200	0	2
	Chester (Sealand)	1013·8	+10	NE'E	3	3o	61	65	6	5	3	-	7-8	9	4000	0	*
8	L'pool (Bidston)	1014·0	+8	NE'E	4	c	61	65	7	5	-	-	7-8	7-8	2500	0	*
9	Harrogate	1015·3	+6	E	3	c	55	85	7	6	2	-	10	10	2500	1	*
10	Spurn Head	1013·3	+8	E	5	c	66	95	6	5	2	-	4-6	7-8	2500	0	3
	Catterick	1016·1	+12	NE'N	2	0	55	95	6	6	-	-	10	10	800	1	*
	Tynemouth	1016·7	+8	NE	3	c	57	85	7	8	-	-	7-8	7-8	2500	1	2
11	Inchkeith	1018·2	0	ENE	3	f	53	95	3	5	-	-	10	10	800	0	3
12	Leuchars	1018·6	+8	E	3	f+	53	95	3	5	-	-	10	10	<150	0	*
	Renfrew (Abbotts'l)	1016·7	+8	NE'E	4	b	62	75	7	1	-	-	Tr.	Tr.	4000	0	*
	Eskdalemuir	1016·0	+6	NE	4	bc	61	65	8	7	-	-	4-6	4-6	4000	0	*
13A	Tiree	1017·1	0	NNW	1	bc	59	85	9	-	9	-	0	2-3	-	0	1
13B	Stornoway	1017·2	?	NE	3	c	57	75	9	8	4	8	2-3	7-8	2500	1	2
15	Dalwhinnie	1016·8	+8	NE	2	bc	67	55	8	4	-	-	4-6	4-6	4000	0	*
	Aberdeen	1019·1	+4	ENE	3	b	57	85	8	-	-	-	0	0	-	0	1
	Wick	1019·7	+4	NE	3	F	50	95	1	5	-	-	10	10	<150	0	2
16	Lerwick	1020·4	+6	NNE	2	c	52	95	7	5	3	-	4-6	7-8	800	0	*
17	Blacksod Point	1017·2	+4	N	3	bc	61	75	9	-	4	9	0	4-6	-	0	3
18	Malin Head	1017·2	+2	NE	1	c	57	75	8	2	7	-	1	9	4000	0	0
	Aldergrove	1015·7	+6	NE	3	3o	65	75	7	8	-	-	4-6	4-6	4000	0	*
	Donaghadee	1015·5	+2	N'W	2	bc	59	75	7	8	5	-	4-6	4-6	2500	0	1
19	Birr Castle	1014·4	-2	N	1	c	68	65	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	1016·3	0	NW'N	4	c	58	95	8	5	-	-	9+	9+	220	1	2
	Roches Point	1014·0	-6	N	1	c	67	65	9	3	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Weather. 7h.–13h. 13th (37)	13h.–18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.–7h. 14th (40)
or.c9.	c9.	cm.	bcbm.
od.r.c.m.	cm.p9.r.c	cm.bc	cbcofw
ird.m.	cr.cr	Rcm	bcbm.
cr.r.d.m.	cm.c	cb	bbc
cir.m.	cr.r.	cm.	cbcm.w
cir.	cir.		bcc bc
r	r	*	b
od.d.f	add.Fom.	cbcm.	bwm.
om.c	cir.c.m.	cm.	bwm.
cbcc3o.	c3o.	c	c,bbc3o.
orq	ocq	orq	bbc
cido	d.dco	cd.m.	cbm.c
Prc	cir.	o	orof
cr.r.d.	r.r.Drc	cbccw	cm.w
codcw	coid.	om.	om.
bco	cpr.c	o	oc
crbbc	bcc	cor	oc
cprbc	bcc	cbccw	oprcb
ir.bc	bcc	cbcbl	blbcc
orrc	cbc	bcco	co
bcfbcc	c.m.c	c3o.bcm.c	c m.o
cb	b3o.	bcc3o.	cm.
c3o.	cbc3o.	c3o.	c3o.
cbcc	bcyc	ccbc	bccm.
Focir.	c	cir.	cir.
bc	cfc	bc	cbcw
oid.mc	com.	om.d.	cm.
qffbc	bcc	c	c
c	coff	off	ocbc
bccbc	b,cof	ofd	oddom.
cm.bcc	cbcb	b	bbccm.
cid.	bc	bcc	c
bcc	b	bccbc	bc
cbc	bcc	cbc	bcb
b	bc	*	3
bc	bcb	bcmf	ffecm
Ffc	if FF	FFe	FFe
Ffcc	cpr.	com.	OFFe
bc	bc	bc	bc
cbc	bcc	cbc	bc
bbc	bcc	bcb	b,c
bbcc	cbc	c	c
cbcy	bcc	cpr.c	c
cid.c	cid.c	cbcw	bcwc
bcv	bccv	cvbw bcw	bcw

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.*

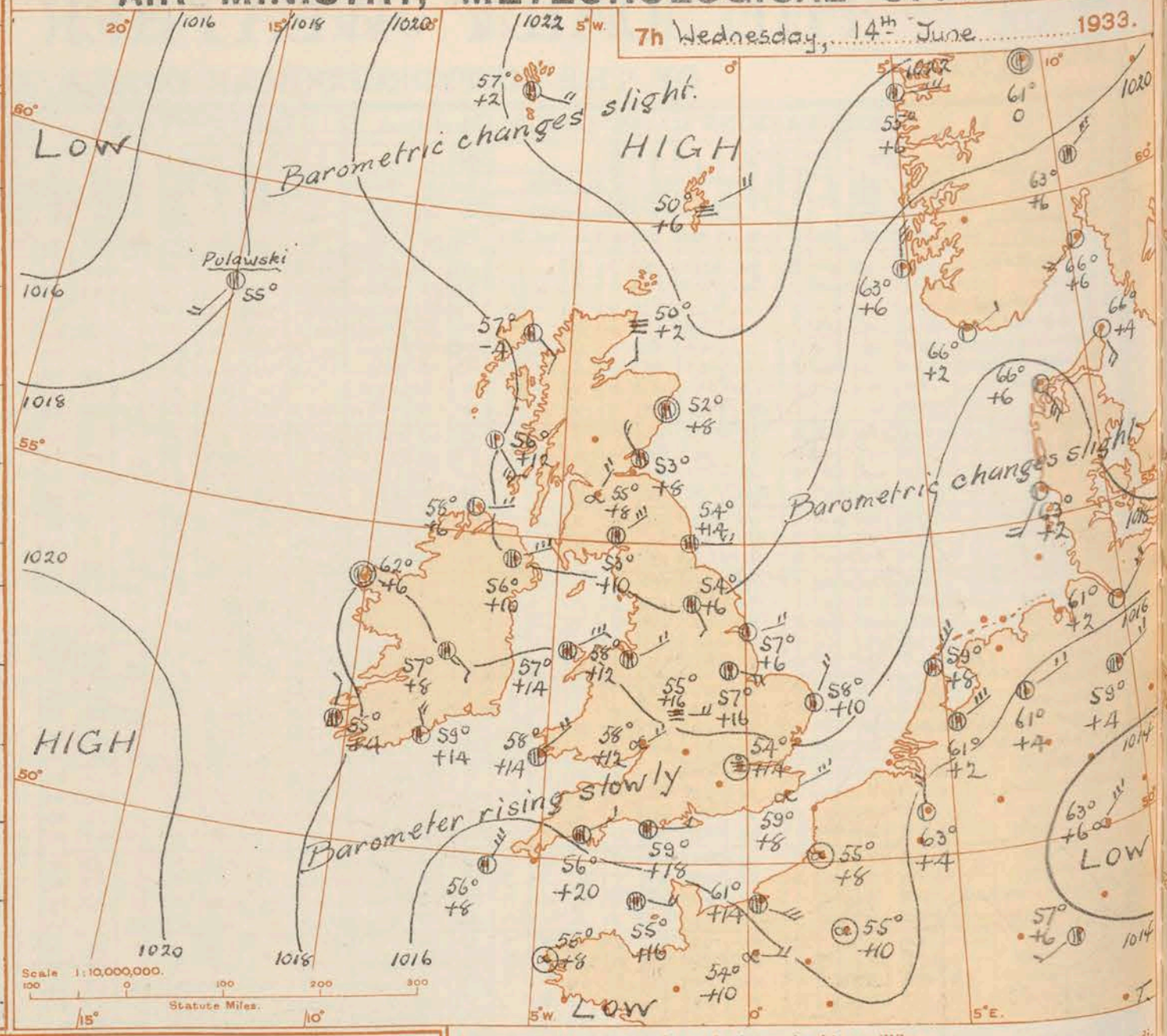
REPORTS from HEALTH RESORTS for 13th June 1933.

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.	odom	oc	50	61	5	Trace	0.1	6·2
	Bournemouth	bcr	or	49	64	-	1	3·2	11·9
	Ventnor ...	oubco	oco	51	63	-	-	1·1	10.4
	Southsea ...	oc	oc	50	63	-	-	0.7	11·3
	Bognor Regis	corr	rocbc	49	60	0·3	1	0·1	11·7
	Littlehampton	cr	cdcbc	50	59	3	1	0.0	10·2
	Worthing ...	rc	crc	51	59	3	2	0·2	10·3
	Brighton ...	roc	cd	52	57	3	0.4	0·0	9·9
	Eastbourne†	r.o	oc	51	60	4	0.6	0·3	8·7
	Hastings† ...	od.o	ocbc	50	58	7	0·3	0·5	5·9
	Folkestone ...	omir	or.o	51	56	7	1	0.0	0.5
	Dover... ...	oid	oid	51	56	15	0.4	0·0	2·2
	Deal	ro	o	46	58	9	1	0·0	1·6
	Ramsgate ...	co	o	52	58	11	-	0·0	3·1
	Margate ...	c	cd.	53	59	9	Trace	0·0	3.4
2	Southend ...	ocom	omd	51	62	7	0·1	0.4	3.4
	Maldon ...	rc	c	53	63	4	-	0.9	3.0
	Clacton-on-Sea	cobcc	c	51	62	2	-	1·1	1·6
	Dovercourt ...	r'bcc	bcoc	52	64	2	-	4·0	1·4
	Lowestoft ...	circ	c	52	59	9	Trace	0·2	0·9
	Skegness ...	om.	obcm.	52	60	9	Trace	0.4	4·6
	Mablethorpe	odm	odm	52	58	10	0·3	0·0	4·0
	Cleethorpes...	r.o	cor.	53	58	8	Trace	0·2	2·7
3 4	Leamington S. Cheltenham†	oc omipc	cop comp	51 48	60 61	0·5 0·3	Trace Trace	0·0 0·0	13·2 13·2
5	Bath	cd.	cd.	51	62	-	Trace	0.4	14·1
	Weymouth ...	bc	cpc	50	69	-	Trace	3·6	12·7
	Jersey ...	pcpc	cbc	55	64	Trace	0·3	2·7	14·3
	Torquay ...	kpbbc	copc	51	67	4	Trace	3·5	13·2
	Penzance ...	cb	bcb	49	65	7	-	9.6	12·6
	St. Ives ...	b	b	50	60	6	-	8.7	12·7
	Bude	pbc	bc	48	61	8	-	9.0	12·6
	Ilfracombe ...	b	bcco	51	64	6	-	6·5	12·1
6	Aberystwyth	bcc	cr.c	45	64	-	Trace	3·9	11·9
7	Llandudno ...	c	cbcc	53	63	1	-	3·1	12·0
	Colwyn Bay...	robcc	cbc	50	63	1	-	1·6	12·2
	Rhyl	cbc	cbc	53	65	0.4	-	2·0	10·7
8	Wallasey ...	cbc	c	53	67	1	-	4·8	13·2
	Southport‖ ...	cbcc	cbcc	52	69	1	-	4.7	15·5
	Blackpool ...	cbc	bcc	50	68	0.5	-	8·2	15.4
	Morecambe ...	bbc	cbbcb	52	67	0.5	-	7·3	16·0
9	Ilkley... ...	c	c	50	62	6	-	2·0	13.0
10	Berwick-on-T.	of	foc	52	56	4	-	1·6	12·3
11	Dunbar ...	rof	of	50	53	1	-	0.0	11·8
12	Troon... ...	wbc	cbc	48	69	-	-	5·1	12·5
	Douglas ...	cbbc	bc	50	67	-	-	9.6	13·3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday, 14th June 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light east or northeast wind; fair; rather warm inland.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N Midlands	Light northeast or variable wind; mainly fair; rather warm.
10. N.E. England 11. S.E. Scotland	Light easterly or variable wind; cloudy, bright intervals; local coastal mist or fog.
12. S.W. Scotland & Isle of Man	Light easterly or variable wind; mainly fair; rather warm.
13. A. W Scotld. B. N.W. Scotland.	Light variable wind; fair at first perhaps deteriorating later; rather warm.
14. Mid-Scotland	As 12 - 13A.
15. N.E. Scotland 16. Orkneys and Shetlands.	Light easterly or variable wind; cloudy, coastal fog; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E Ireland 20 S.W. Ireland	Light northeast or variable wind; fair; rather warm.

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. Thunder. Thunderstorm. Haze.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A belt of high pressure connects anticyclones centred near the Azores and off the West Coast of Norway. A depression over Western France is filling up while a trough of low pressure is approaching Iceland. Weather will be mainly fair but may deteriorate in the extreme Northwest.

FURTHER OUTLOOK.

Fair over most of the British Isles.

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
Wednesday
14th JUNE
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, 14th June 1933.

No. 26.137

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

Inclusion	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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1016.0	+14	E'S	1	c	53	96	7	-	3		0	7-8	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.6	+8	ESE	2	b	50	95	6	-	3	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	.*	*	*	*	*	*	*
	Gorleston ...	5	1016.7	+10	ESE	2	b	56	96	7	-	-	-	0	0	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1013.6	+8	NE	2	0	57	95	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1013.8	+2	NW'N	2	0	55	95	7	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1014.7	-2	N'W	3	1	55	95	7	2	-	-	1	1	4000
	Guernsey ...	175	1014.2	+10	-	0	c	56	86	8	8	-	-	10	10	2500
6	Pembroke ...	142	1014.0	+8	NE	1	c	55	85	7	5	-	-	10	10	2500
7	Holyhead ...	26	1016.3	+12	ENE	3	c	56	95	6	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.2	+10	E'S	4	c	54	95	7	3	2	-	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1018.5	+8	E	2	c	55	85	7	2	-	-	7-8	7-8	2500
11	Inchkeith ...	190	1020.5	+6	NE	2	0	50	95	7	5	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	1017.3	0	ENE	2	bc	52	95	8	1	4	-	1	2-3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020.6	+2	NE	1	F	50	95	1	5	-	-	10	10	<160
16	Lerwick ...	54	1021.6	+4	NE	2	0	51	95	6	5	-	-	10	10	800
17	Blacksod Point	18	1017.7	0	N	1	b	55	85	8	-	4	-	0	1	-
18	Malin Head ...	52	1018.1	+2	-	0	b	53	95	8	5	-	-	1	1	4000
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1017.8	+4	N'E	3	c	55	96	7	5	-	-	9+	9+	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Inclusion	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)...	1018.0	+14	E	2	b	58	85	5	-	-	-	0	0	-	0	*
	Croyden ...	1017.7	+14	-	0	b/s	54	95	4	-	-	-	0	0	-	1	*
	S. Farnborough	1017.6	+10	ENE	2	b	57	85	6	-	-	3	0	Tr	-	1	*
	Winchester ...	1017.5	+18	NE	2	c	56	85	6	5	-	1	7-8	7-8	800	0	*
	Boscombe Down	1017.2	+20	E	2	bc	57	85	7	5	4	-	4-6	4-6	800	0	*
	Calshot, (S'thmtn)	1016.9	+16	NE'E	2	bc	59	85	7	-	4	-	0	4-6	-	0	1
	Dungeness ...	*	*	E	1	b	*	*	6	-	-	*	0	0	-	1	1
	Lympne ...	1017.5	+8	E'N	3	3o	59	85	6	-	-	-	0	0	-	1	*
2	Shoeburyness	1018.4	+14	E	2	b	61	85	6	-	-	-	0	0	-	0	*
	Felixstowe ...	1018.4	+14	NE	2	3o	62	75	6	5	3	-	2-3	2-3	1200	0	1
	Gorleston ...	1018.5	+10	NNE	2	bc	58	85	6	-	7	-	0	4-6	-	0	2
	Cranwell ...	1019.2	+16	E'S	2	c	57	85	6	8	-	-	9	9	1500	1	*
3	Birmingham ...	1018.8	+16	E	2	3	55	95	2	.	.	.	10	10	<150	0	*
	Upper Heyford	1018.1	+20	E	3	3o	56	95	6	5	-	-	9+	9+	800	1	*
4	Ross-on-Wye ...	1017.2	+12	ENE	2	3o	58	85	5	5	-	-	9+	9+	1500	0	*
5	Portland Bill...	1016.0	+18	E	1	c	59	95	7	5	4	-	4-6	7-8	1500	0	2
	Plymouth ...	1016.0	+20	ENE	2	c	56	95	7	5	-	-	10	10	1500	1	0
	The Lizard ...	1015.6	+12	NE	2	c/pr	55	95	8	*	6	-	7-8	7-8	2500	1	2
	Scilly (St. Mary's)	1015.6	+8	ENE	3	c	56	95	6	7	-	-	9	9	2500	0	2
	Guernsey ...	1015.5	+16	ESE	2	o	55	95	7	5	-	-	10	10	2500	0	1
6	Pembroke ...	1016.6	+14	NE	2	c	58	85	6	5	1	-	4-6	7-8	2500	0	1
7	Holyhead ...	1018.0	+14	E'N	4	c	57	85	6	5	-	-	9+	9+	4000	0	2
	Chester (Sealand)	1019.0	+12	ENE	2	c	58	85	6	5	-	-	7-8	7-8	5700	0	*
8	L'pool (Bidston)	1019.6	+6	ENE	2	c	56	85	5	5	-	-	10	10	800	0	*
9	Harrogate ...	1020.2	+6	SE	1	c	54	95	7	6	2	-	9+	10	2500	1	*
10	Spurn Head ...	1019.3	+6	E'N	2	bc	57	95	6	5	1	-	2-3	4-6	2500	0	2
	Catterick ...	1020.4	+12	N'E	2	c	56	85	6	5	-	-	10	10	1500	1	*
	Tynemouth ...	1020.4	+14	E	2	c	54	95	7	4	-	-	9	9	4000	1	1
11	Inchkeith ...	1022.2	+8	NE	1	bc	54	95	7	8	-	-	4-6	4-6	1500	0	1
	Leuchars ...	1021.6	+8	NNW	2	c	53	95	6	5	-	-	9	9	450	1	*
12	Renfrew (Abbotts I.)	1021.2	+8	NE	2	3o	55	85	6	5	-	-	9+	9+	4000	0	*
	Eskdalemuir ...	1021.5	+10	NE	3	c	53	85	7	5	-	-	10	10	4000	0	*
13A	Tiree	1020.2	+12	SE'S	4	bc	56	85	7	-	4	2	0	2-3	-	0	2
13B	Stornoway ...	1018.0	-4	SE	1	bc	57	95	8	1	4	-	1	2-3	2500	1	0
15	Dalwhinnie ...	1021.1	+4	SE	2	bc	55	85	8	4	1	-	2-3	2-3	1500	0	*
	Aberdeen ...	1021.8	+8	-	0	c	52	95	4	5	-	-	7-8	7-8	220	1	1
	Wick	1021.2	+2	SSW	1	F	50	95	1	.	.	.	10	10	<150	1	2
16	Lerwick ...	1022.4	+6	ENE	2	F	50	95	1	.	.	.	10	10	<150	0	*
17	Blacksod Point	1018.0	+6	-	0	b	62	75	9	1	-	-	1	1	1500	0	0
18	Malin Head ...	1019.4	+6	E	2	bc	58	75	6	5	4	3	Tr	2-3	2500	0	0
	Aldergrove ...	1020.0	+10	ENE	3	c	56	85	7	5	-	-	9+	9+	4000	0	*
	Donaghadee ...	1019.8	+10	NNE	1	c	54	85	7	5	-	-	9	9	1500	0	0
19	Birr Castle ...	1018.1	+8	SE	1	c	57	85	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1018.6	+4	N	1	c	55	95	7	5	-	-	10	10	800	1	1
	Roches Point...	1017.2	+14	N	2	bc	59	85	8	5	-	9	2-3	4-6	1500	0	2

PAST 24 HOURS.

Inclusion	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)...	62	50	41	Tr	-	0.3
	Croyden ...	66	48	43	2	Tr	0.5
	S. Farnborough	64	51	44	3	3	0.1
	Winchester ...	62	50	44	1	-	0.2
	Boscombe Down	60	51	50	0.3	Tr	0.1
	Calshot, (S'thmtn)	63	54	50	Tr	-	0.1
	Dungeness ...	60	52	*	6	Tr	*
	Lympne ...	56	48	41	0.6	Tr	0.0
2	Shoeburyness	62	47	36	Tr	-	0.3
	Felixstowe ...	63	55	47	-	-	4.0
	Gorleston ...	58	55	50	0.1	-	0.6
	Cranwell ...	61	54	51	0.2	Tr	0.5
3	Birmingham ...	58	54	53	0.4	Tr	0.0
	Upper Heyford	58	52	48	2	-	*
4	Ross-on-Wye ...	61	53	49	Tr	-	1.0
5	Portland Bill...	64	55	*	0.1	-	*
	Plymouth ...	65	55	50	Tr	2	5.6
	The Lizard ...	64	54	*	0.1	4	*
	Scilly (St. Mary's)	62	54	*	0.1	-	10.3
	Guernsey ...	62	55	54	0.6	-	4.2
6	Pembroke ...	62	52	*	-	-	11.6
7	Holyhead ...	61	55	52	-	-	7.4
	Chester (Sealand)	66	54	49	-	-	2.6
8	L'pool (Bidston)	65	53	51	-	-	5.3
9	Harrogate ...	58	52	51	Tr	0.2	0.2
10	Spurn Head ...	59	(54)	*	-	Tr	1.1
	Catterick ...	62	53	50	0.1	Tr	3.1
	Tynemouth ...	58	53	48	-	-	*
11	Inchkeith ...	57	49	48	-	-	1.6
	Leuchars ...	65	50	51	-	0.3	6.3
12	Renfrew (Abbotts I.)	69	50	46	-	-	10.3
	Eskdalemuir ...	64	50	46	Tr	-	5.8
13A	Tiree	61	53	45	-	-	15.9
13B	Stornoway ...	61	50	*	-	-	14.4
15	Dalwhinnie ...	70	42	36	-	-	9.7
	Aberdeen ...	64	50	49	-	-	12.1
	Wick	53	49	*	-	Tr	*
16	Lerwick ...	54	49	*	Tr	-	0.6
17	Blacksod Point	64	52	*	Tr	-	*
18	Malin Head ...	60	50	*	-	-	8.9
	Aldergrove ...	68	53	48	-	-	9.2
	Donaghadee ...	61	51	*	-	-	*
19	Birr Castle ...	70	52	41	-	Tr	7.2
20	Valentia Obsy.†	60	53	46	Tr	Tr	0.2
	Roches Point...	72	56	*	-	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	or.c.p.	cp.	cm.bc.bm.	62	50	41	Tr	-	0.3	*	*	6
CROYDON	217	od.s.r.c.m.	cm.p.c.r.c	cmbc.o.f.w	66	48	43	2	Tr	0.5	*	*	6
GREENWICH (Royal Observatory) ...	149	c	c	cbw3.	64	48	38	-	Tr	0.1	74	73	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	64	53	46	-		0.0	76	64	*
‡ REGENTS PK. (Botanic Gardens) ...	168	*	*	*	65	51	42	0.3		0.1	94	76	*
CAMDEN SQUARE	110	odc	ecpc	*	60	51	45	Tr	-	*	*	72	*
KENSINGTON	80	copo	ocd.o.c	*	61	50	40	0.1	-	0.1	At 18h.	69	*
HAMPSTEAD OBSERVATORY	450	omd	o	bc	60	49	42	Tr	-	0.2	83	*	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 13th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 14th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1012.9	SSE	2	3o	63	1016.3	N	0	3o	55
BRUSSELS	1013.4	-	0	bc	63	1015.6	N	2	b	63
BERLIN	1011.9	N	4	c	66	1013.3	N	1	c	61
ZÜRICH	1011.5	NNW	3	c	57	1013.5	NW	1	o	54
ROME	1012.7	WSW	3	id	64	1013.0	NW	2	c/r	57

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63	48	Tr	-
64	52	-	0.3
75	54	-	1
64	52	-	4
70	54	13	7

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.6	7h 14th	NIL	10-16h 13th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	6h 14th	<0.1	15h 13th

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.

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 9h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 15th June 1933.

No. 26·138

Dist.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 14th June: 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)...	1018·9	+2	E'S	2	bc	73	45	7	2	-	-	4-6	4-6	2500
	Croydon ...	1018·2	-4	E	3	bc	72	55	7	1	-	-	4-6	4-6	4000
	S. Farnborough	1018·5	+2	ENE	2	bc	70	55	7	2	-	-	4-6	4-6	4000
	Winchester ...	1018·2	+2	NE	3	C	70	55	7	2	-	-	7-8	7-8	2500
	Boscombe Down	1017·9	+2	E	2	c	69	55	7	3	-	-	9+	9+	2500
	Calshot, S'thmtn	1018·4	+6	SE'E	3	b	67	75	7	3	-	-	1	1	4000
	Dungeness ...	*	*	ENE	3	C	*	*	6	5	6	*	4-6	7-8	1500
	Lympne ...	1018·8	+2	NE'N	4	c	64	75	7	5	-	-	9+	9+	5700
2	Shoeburyness	1019·3	+4	ENE	4	C	65	75	7	-	3	9	0	7-8	-
	Felixstowe ...	1019·5	+2	NE	4	bc	65	75	8	-	3	1	0	4-6	-
	Gorleston ...	1020·2	+8	NNE	2	bc	63	85	6	-	3	-	0	4-6	-
	Cranwell ...	1020·3	0	E'S	2	bc	73	55	7	2	-	-	4-6	4-6	4000
3	Birmingham ...	1019·5	+6	S	1	bc	68	55	8	1	-	-	4-6	4-6	4500
	Upper Heyford	1019·4	-2	E	3	bc	71	55	7	7	-	-	4-6	4-6	2500
4	Ross-on-Wye ...	1018·7	+8	ESE	2	bc	69	55	7	1	-	-	4-6	4-6	4000
5	Portland Bill...	1017·8	+10	E	3	b	68	65	7	-	-	-	0	0	-
	Plymouth ...	1018·1	+8	SE	3	bc	66	75	8	8	3	1	4-6	4-6	2500
	The Lizard ...	1018·3	+8	ENE	2	c	63	75	7	2	6	7	2-3	7-8	2500
	Scilly (St. Mary's)	1018·4	+10	NE	2	bc	61	85	6	5	-	2	4-6	4-6	2500
	Guernsey ...	1017·4	+2	EN	1	bc	63	85	6	8	3	-	4-6	4-6	2500
6	Pembroke ...	1019·2	+6	SSE	2	bc	62	85	6	5	6	-	2-3	4-6	4000
7	Holyhead ...	1019·4	+2	N	2	u	62	85	8	9	-	-	9	9	2500
8	Chester (Sealand)	1020·1	+2	SE'E	2	bc	70	55	6	7	-	-	4-6	4-6	2500
	L'pool (Bidston)	1020·2	+8	SE'S	2	bc	68	55	6	7	-	-	4-6	4-6	2500
9	Harrogate ...	1020·8	0	SSE	2	bc	65	75	7	2	-	-	4-6	4-6	4000
10	Spurn Head ...	1021·2	+2	ENE	3	bc	62	75	7	-	1	-	0	2-3	-
	Catterick ...	1021·1	+2	NNE	3	C	65	65	7	7	-	-	7-8	7-8	2500
	Tynemouth ...	1022·2	+4	N	2	bc$f$	55	95	3	5	-	-	4-6	4-6	1500
11	Inchkeith ...	1021·7	-4	NE	1	b	60	75	7	5	-	-	1	1	2500
12	Leuchars ...	1021·2	-2	E	3	b	65	65	7	1	-	-	1	1	2500
	Renfrew (Abbotts'l)	1020·5	-6	S	2	c	68	55	7	7	-	-	7-8	7-8	4000
	Eskdalemuir ...	1020·8	0	SSE	3	c	64	65	7	7	-	-	7-8	7-8	4000
13A	Tiree	1020·8	0	SE	3	b	64	65	8	1	-	-	Tr.	Tr.	5700
13B	Stornoway ...	1018·3	0	S	1	bc	66	65	8	8	4	-	2-3	4-6	2500
15	Dalwhinnie ...	-	-4	SE	2	b	72	45	8	-	-	-	0	0	-
	Aberdeen ...	1021·3	0	ENE	3	f_s	56	85	6	-	-	-	0	0	-
	Wick	1021·1	0	SSW	2	F	53	95	1	5	-	-	10	10	<150
16	Lerwick ...	1021·9	-8	S'W	1	F$_4$	53	95	1	5	-	-	10	10	<150
17	Blacksod Point	1018·4	0	W	1	bc	66	65	8	1	-	-	9+	4-6	800
18	Malin Head ...	1019·3	-4	SE	3	C	66	55	7	5	7	-	4-6	9+	2500
	Aldergrove ...	1020·7	+6	ENE	3	c	62	65	7	5	-	-	10	10	2500
	Donaghadee ...	1020·9	+4	ENE	2	C	60	85	7	8	3	-	4-6	7-8	2500
19	Birr Castle ...	1019·4	+6	SSE	1	C	67	65	7	5	-	-	9+	9+	2500
20	Valentia Obsy.	1019·7	+2	WNW	2	C	60	85	8	5	-	-	9+	9+	7200
	Roches Point...	1019·4	+16	SE	2	C	61	85	8	5	-	-	9	9	2500

Dist.	Stations.	OBSERVATIONS at 18h. G.M.T. 14th June: 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)...	1019·0	+4	E	3	bc	70	45	8	-	3	1	0	4-6	-	0	*
	Croydon ...	1018·6	+2	E	3	bc	69	55	8	-	3	9	0	4-6	-	0	*
	S. Farnborough	1018·5	+2	ENE	2	c	68	65	6	5	3	-	7-8	9	4000	1	*
	Winchester ...	1018·5	+6	SE	1	C	69	65	7	8	3	-	7-8	7-8	4000	0	*
	Boscombe Down	1017·9	+2	E'S	2	c	69	55	7	8	-	-	9+	9+	2500	0	*
	Calshot, S'thmtn	1018·3	+2	E	3	bc	64	75	7	2	-	-	2-3	2-3	4000	0	1
	Dungeness ...	*	*	NE	3	bjp	*	*	7	4	7	*	2-3	4-6	1500	*	2
	Lympne ...	1019·1	+4	NNE	4	c	64	65	8	-	4	6	0	7-8	-	0	*
2	Shoeburyness	1019·6	0	NE	3	bc	64	75	8	-	5	6	0	4-6	-	0	*
	Felixstowe ...	1019·1	-4	NE'N	3	bc	62	75	8	-	-	1	0	4-6	-	0	1
	Gorleston ...	1019·8	0	N	4	bc	63	65	7	-	8	-	0	4-6	-	0	2
	Cranwell ...	1020·2	+2	NE'E	3	b	68	55	8	-	-	1	0	1	-	0	*
3	Birmingham ...	1019·1	-2	E	1	b	69	55	8	1	-	-	Tr.	Tr.	4000	0	*
	Upper Heyford	1019·0	0	E	3	b	70	55	7	8	-	-	1	1	4000	0	*
4	Ross-on-Wye ...	1018·8	0	E	1	3o	68	65	6	8	-	-	9	9	4000	0	*
5	Portland Bill...	1018·5	+6	ESE	1	b	67	75	7	-	-	-	0	0	-	0	2
	Plymouth ...	1018·6	+4	SSW	1	b	63	75	8	-	-	-	0	0	-	1	0
	The Lizard ...	1018·9	+2	ENE	2	b	62	75	8	1	-	-	1	1	4000	0	2
	Scilly (St. Mary's)	1019·1	+4	ENE	2	b	62	85	6	-	-	-	0	0	-	0	1
	Guernsey ...	1017·6	+2	NNE	1	bc	63	75	6	8	-	-	4-6	4-6	2500	0	1
6	Pembroke ...	1018·5	0	-	0	3o	64	65	6	-	-	-	0	0	-	0	1
7	Holyhead ...	1019·5	0	WNW	1	3o	62	85	6	4	-	-	1	1	2500	0	0
8	L'pool (Bidston)	1019·4	-4	S'E	1	b	71	45	6	1	-	-	1	1	4000	0	*
9	Harrogate ...	1019·7	-2	NNW	1	bc	68	65	7	2	-	-	2-3	2-3	2500	0	*
10	Spurn Head ...	1020·4	0	SSE	2	b	66	65	7	-	-	-	0	0	-	0	*
	Catterick ...	1020·4	-4	NE	4	bc	60	85	7	-	1	-	0	2-3	-	0	3
	Tynemouth ...	1020·2	-4	NNE	2	b	66	65	6	4	-	-	Tr.	Tr.	4000	0	*
11	Inchkeith ...	1021·2	-4	NE	2	bc	57	85	6	6	-	-	2-3	2-3	1500	0	1
12	Leuchars ...	1020·5	-18	NE	2	b	59	85	8	5	-	-	1	1	2500	0	2
	Renfrew (Abbotts'l)	1019·7	-8	ESE	3	b	66	65	7	-	-	-	0	0	-	0	*
	Eskdalemuir ...	1019·3	-6	NW'W	2	bc	66	65	7	4	-	-	4-6	4-6	4000	0	*
13A	Tiree	1019·6	-4	SSW	2	bc	67	55	8	7	-	-	4-6	4-6	2500	0	*
13B	Stornoway ...	1019·3	-10	SSE	3	b	61	65	8	-	-	-	0	0	-	0	2
15	Dalwhinnie ...	1017·5	-4	S	2	bc	64	65	8	8	7	-	1	2-3	2500	0	1
	Aberdeen ...	-	-8	SE	4	b	68	55	7	4	-	-	1	1	5700	0	*
	Wick	1019·9	-10	SE'S	3	f_s	60	65	8	-	-	-	0	0	-	0	1
16	Lerwick ...	1019·5	-16	SSW	2	bc	54	95	8	5	8	-	2-3	2-3	2500	0	2
17	Blacksod Point	1020·2	-12	S'W	1	F	51	95	1	5	-	-	10	10	<150	0	*
18	Malin Head ...	1018·4	+2	W	1	bc	62	75	9	1	-	4	Tr.	4-6	1500	0	1
	Aldergrove ...	1018·6	-4	SE	3	C	66	65	7	5	7	-	2-3	9+	2500	0	0
	Donaghadee ...	1020·1	-4	SSE	1	b	61	75	7	-	-	-	0	0	-	0	0
19	Birr Castle ...	1019·2	-2	SE	1	bc	67	65	7	7	-	-	4-6	4-6	2500	0	*
20	Valentia Obsy.	1020·1	+6	W'N	3	bc	59	85	8	5	3	2	1	4-6	800	1	1
	Roches Point...	1019·3	+2	SE	2	bc	63	85	8	5	-	-	4-6	4-6	2500	0	2

Dist.	Stations.	PAST 24 HOURS. WEATHER. 7h.–13h. 14th (37)	13h.–18h. 14th (38)	18h. 14th – 1h. 15th (39)	1h.–7h. 15th (40)
1	London (Kew)...	b3o bcy	bc pr bcy	b c b y m$_o$	b m$_o$
	Croydon ...	b m$_o$ bc	bcy	bcy bc	c b c m$_o$
	S. Farnborough	b b c 3$_o$	b c c y	c b c c b c	b m$_o$ w
	Winchester ...	b b c y	b c c y	c b c	b c
	Boscombe Down	b b b c y	c b c y		b c b m$_o$
	Calshot, S'thmtn	b c b	b	b b o w	b w b c
	Dungeness ...	b c	b c	b	b
	Lympne ...	b c c	c b c	b c b v	b c b
2	Shoeburyness	b3o c	c b c b	b c b	b w
	Felixstowe ...	b c3o c b c	b c	b c	b c b
	Gorleston ...	b c	b c	b c	o f f c
	Cranwell ...	c m$_o$ b c	b c y b	b m$_o$	b w m$_o$
3	Birmingham ...	m b c	b c b	b	b m
	Upper Heyford	c b c m$_o$	b c b y	b y o b c	b c b m$_o$
4	Ross-on-Wye ...	c 3 b c	b c y c	c 3$_o$ b m w	b m w
5	Portland Bill...	c b c	b	b b c	b c b
	Plymouth ...	c i$_s$ b c	b c b	b	b w m$_o$
	The Lizard ...	c b c c	c b c	b c	b c b
	Scilly (St. Mary's)	c i$_s$ b c	b c b	b y	b c f
	Guernsey ...	o r r b c	b c b c	b 3 b c	b c
6	Pembroke ...	c m$_o$ b c	b c m$_o$ b 3$_o$	b 3$_o$	b 3$_o$ w
7	Holyhead ...	c b c b 3$_o$	c u b c 3$_o$	b 3$_o$ w	b m$_o$ w
8	L'pool (Bidston)	c 3$_o$ r$_o$ b c	b c y	b m w	b f w
9	Harrogate ...	m$_o$ b c y	y b c b y	b b m$_o$	b m$_o$ w
10	Spurn Head ...	c b c	b c b	b	b
	Catterick ...	b c	b c	b c w f f	c f f w b c
	Tynemouth ...	b 3$_o$	b c b 3$_o$	b w 3$_o$	o w m$_o$
11	Inchkeith ...	c b c f f	b c f f b c	b c	b c f f m
12	Leuchars ...	c i f	b	b c	b c w
	Renfrew (Abbotts'l)	c m$_o$ b	b	b w m$_o$	b w m$_o$
	Eskdalemuir ...	c m$_o$ 3$_o$ c y	b c y	b c b m$_o$	b m$_o$ w
13A	Tiree	c b c c	c b c y	b c y b w	b m w
13B	Stornoway ...	b c b	b	b, c	c
15	Dalwhinnie ...	b b c	b c	b c c	c
	Aberdeen ...	b	b	*	b c 3$_o$
	Wick	c b 3$_o$	b 3$_o$	b m$_o$	b m$_o$
16	Lerwick ...	F F e	F F b c	b c	b c
17	Blacksod Point	F F e c	F F e	F F e	F F$_2$
18	Malin Head ...	b c	b c	c b c	c r
	Aldergrove ...	b c c	c	c b c c	b c c
	Donaghadee ...	c	c	c 3$_o$ b	b, c m$_o$
19	Birr Castle ...	c	c b c b	c b c b	b 3$_o$
20	Valentia Obsy.	c	c b c	b c	b c o
	Roches Point...	b c c	c b c	b c c	c r, r$_o$ i d
				b c b w	b c o f f e

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$_o$/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.*

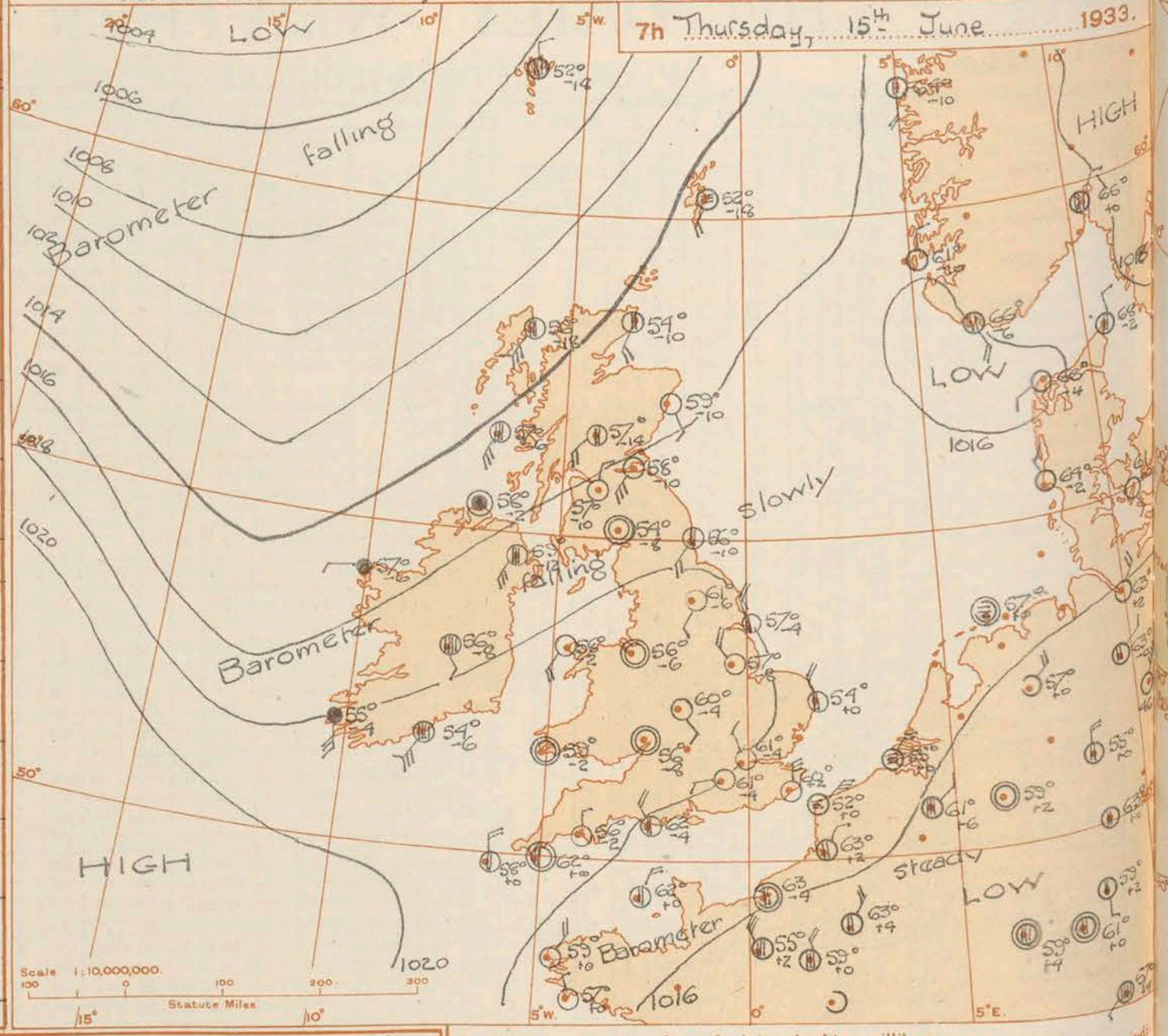
REPORTS from HEALTH RESORTS for 14th June 1933.

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. 14th	Sunshine. Sunrise to Sunset. 13th
1	Tunbridge W.	b	bbc	44	74	-	-	10·1	0·3
	Bournemouth	b	b	53	72	-	-	10·8	3·2
	Ventnor ...	ocbz	bz	53	67	-	-	8·8	1·1
	Southsea ...	b	b	53	70	-	-	11·1	0·8
	Bognor Regis	b	bbc	51	67	-	-	11·9	0·1
	Littlehampton	bc	bc	49	66	-	-	11·9	0·0
	Worthing ...	b	bbc	50	65	0·3	-	11·1	0·3
	Brighton ...	bbc	bccbc	49	66	-	-	9·8	0.0
	Eastbourne†	b	bbcco	49	67	-	-	9.3	0·6
	Hastings† ...	b	bbcc	50	71	-	-	8·1	1·1
	Folkestone ...	bbc	bccbc	50	69	-	-	7.9	0.0
	Dover... ...	ybcop	obcy	50	68	Trace	Trace	7.7	0·0
	Deal	bco	ob	50	65	-	-	7.5	0·0
	Ramsgate ...	bc	bcb	55	66	-	-	8·1	0.0
	Margate ...	bcc	cbc	53	63	-	-	8·6	0.0
2	Southend ...	b	bcb	52	70	-	-	9·2	0.4
	Maldon ...	b	bv	50	71	-	-	11.4	0·9
	Clacton-on-Sea	cbbc	bc	56	66	-	-	12·1	1·1
	Dovercourt ...	bc	bcv	55	68	-	-	9.1	4·0
	Lowestoft ...	bbc	bbc	52	65	-	-	9·3	0·2
	Skegness ...	b	b	54	64	-	-	12·6	0.4
	Mablethorpe	b	b	53	62	-	-	12·1	0·0
	Cleethorpes...	b	b	53	64	-	-	11·5	0·2
3	Leamington S.	cbc	bc	55	73	2	-	7.0	0.0
4	Cheltenham†	cmbcb	bbcc	52	73	0·3	-	8·3	0·0
5	Bath	bcb	bcct	54	73	2	-	5·3	0.4
	Weymouth ...	bcpb	b	56	69	Trace	-	9·2	3·6
	Jersey ...	rcbc	pcbc	55	69	22	Trace	3·3	2·8
	Torquay ...	pcbcb	b	56	67	0·1	-	7·3	3·6
	Penzance ...	cbc	cbc	54	65	-	-	6·9	11·5
	St. Ives ...	c	b	55	65	-	-	6·3	10·2
	Bude	bc	bccbc	55	68	0·2	-	7.9	9.0
	Ilfracombe ...	bcc	bc	57	65	-	-	5.7	6·5
6	Aberystwyth	ccz₀	cz₀	57	71	-	-	3·6	4.0
7	Llandudno ...	bcc	cbc	56	67	-	-	5.7	4·6
	Colwyn Bay...	obc	bccbc	56	71	-	-	7.4	3·1
	Rhyl	bbcc	bcb	56	73	-	-	7·9	2·9
8	Wallasey ...	cbc	bccb	54	72	-	-	8·6	4.8
	Southport‖ ...	cbcc	cocbc	53	70	-	-	4·2	4.7
	Blackpool ...	c	cbc	55	69	-	-	4·5	9·1
	Morecambe ...	cbbc	cbbcb	57	73	-	-	5·5	8.7
9	Ilkley... ...	cbc	bcb	53	70	Trace	-	5·5	2·0
10	Berwick-on-T.	of	cofo	50	54	-	-	2·9	3·8
11	Dunbar ...	bcmo	bc	50	60	-	-	6·4	0·0
12	Troon... ...	bccbc	cbc	50	67	-	-	9.5	8.4
	Douglas ...	omc	cbbcbz	55	66	-	-	5.4	11·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 15th June 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. Haze.
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. 15th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Light variable wind; fine or fair but a chance of local thunderstorms; warm today, probably cooler tomorrow.
4. W. Midlands 5. S.W. England	Light variable to westerly wind; fair at first, rain or drizzle later; rather high to moderate temperature.
6. South Wales 7. North Wales 8. N.W. England	Light or moderate southwesterly wind, veering later; fair at first, occasional rain or drizzle later; rather warm today, cooler tomorrow.
9. N Midlands 10. N.E England 11. S.E. Scotland	Light or moderate southwesterly wind; fair at first, occasional rain later; rather warm today, cooler tomorrow.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N W Scotland.	Light or moderate to fresh southwesterly wind, veering; cloudy, occasional rain; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Light or moderate to fresh southwesterly wind; cloudy, occasional rain; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S.W. Ireland	Light or moderate southwesterly wind, veering west or northwest; cloudy, occasional rain or showers; moderate temperature.

GENERAL INFERENCE.

A belt of high pressure extends from the Azores anticyclone across the southern half of Great Britain. Pressure is low in Iceland and a trough of low pressure is approaching our western coasts. Weather will be unsettled in the West and Northwest, but will be fine or fair in the East and Southeast except for a chance of local thunderstorms.

FURTHER OUTLOOK.

Unsettled in the West and North; doubtful in the East and Southeast.

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
Thursday
15th June
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, 15th June 1933.

No. 26.138

OBSERVATIONS at 1 hr. G.M.T. 15th June

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	1019.2	-2	-	0	c	55	85	6	-	3	-	0	9	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.7	-6	NNE	4	bc	56	75	8	-	3	-	0	4·6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019.3	-6	NW	1	F	58	75	1	5	-	-	10	10	<150
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1018·3	-2	N	1	bc	60	65	7	4	-	-	4·6	4·6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019.6	0	NNE	2	b	57	85	8	1	-	1	1	1	4000
	Scilly (St. Mary's)	163	1020.0	-2	N	2	b	54	95	6	-	-	-	0	0	-
	Guernsey ...	175	1018·8	0	-	0	bc	57	95	6	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1020·1	0	NE	1	3c	56	95	6	5	-	-	1	1	4000
7	Holyhead ...	26	1019.4	-2	SE'S	1	3c	54	95	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019.8	-2	N	2	F	53	95	1	5	-	-	10	10	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1019.5	-6	-	0	bc	54	95	6	5	-	-	2·3	2·3	1500
11	Inchkeith ...	190	1019.6	-6	SW	1	bc	55	95	7	5	-	-	4·6	4·6	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	84	1014.0	-16	S	3	c	56	85	7	5	7	-	4·6	7·8	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.7	-10	WNW	2	bc	47	95	8	5	-	-	2·3	2·3	2500
16	Lerwick ...	54	1017.7	-8	S'W	1	F	49	95	1	5	-	-	10	10	<150
17	Blacksod Point	18	1017.5	-4	S	1	c	57	85	5	5	-	-	7·8	7·8	800
18	Malin Head ...	52	1017.0	-10	S	3	bc	59	75	7	5	7	-	2·3	4·6	2500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.9	-6	W	1	d	54	95	4	9	-	-	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 15th June

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)...	1018·5	-2	NNE	1	b	63	65	6	-	-	1	0	Tr	-	0	*
	Croydon ...	1018·3	-4	NNW	1	3c	61	75	5	-	-	1	0	Tr	-	0	*
	S. Farnborough	1018·4	-4	W	1	b	61	75	6	-	3	1	0	1	-	-	*
	Winchester ...	1018·3	-2	NW	1	bc	61	75	7	-	7	1	0	4·6	-	-	*
	Boscombe Down	1018·5	-2	-	0	bc	57	85	7	-	3	-	0	4·6	-	-	*
	Calshot (S'thmtn)	1018·2	0	NW	2	3c	57	85	7	-	3	-	0	4·6	-	-	*
	Dungeness ...	*	*	NE	2	*	*	*	*	-	-	*	0	Tr	-	0	*
	Lympne ...	1017·8	+2	N	3	b	60	85	8	-	-	9	0	1	-	-	*
2	Shoeburyness	1018·5	-2	NNE	1	b	62	65	8	-	-	9	0	Tr	-	0	*
	Felixstowe ...	1018·0	0	N	1	bc	60	65	8	-	3	9	0	2·3	-	0	*
	Gorleston ...	1017·9	0	NNW	2	bc	54	95	6	4	-	-	4·6	4·6	2500	0	-
	Cranwell ...	1018·5	-8	NNW	2	b	57	85	6	-	-	-	0	0	-	0	-
3	Birmingham ...	1018·7	-4	SE	1	m	60	75	4	-	-	-	0	0	-	0	*
	Upper Heyford	1018·6	-4	NNW	1	3c	61	85	6	-	-	1	0	Tr	-	0	*
4	Ross-on-Wye ...	1018·4	-8	-	0	3c	56	95	5	-	-	-	0	0	-	0	*
5	Portland Bill...	1017·9	-4	NW	2	b	62	75	7	-	-	-	0	0	-	0	2
	Plymouth ...	1018·8	-2	N	1	3c	56	85	7	-	-	1	0	Tr	-	0	0
	The Lizard ...	1018·9	0	N	0	b	62	75	7	-	-	-	0	0	-	0	0
	Scilly (St. Mary's)	1019·5	0	N	2	bc	58	95	7	5	-	-	4·6	4·6	<150	0	1
	Guernsey ...	1017·8	0	NNE	2	bc	62	65	7	-	3	-	0	4·6	-	0	1
6	Pembroke ...	1018·6	-2	-	0	3c	59	85	6	-	-	-	0	0	-	1	0
7	Holyhead ...	1018·1	-2	SW'S	2	b	58	95	6	-	-	-	0	0	-	0	*
	Chester (Sealand)	1018·5	-6	-	0	3c	56	85	5	-	4	-	0	Tr	-	0	*
8	L'pool (Bidston)	1018·1	-6	-	0	3c	61	85	6	-	-	-	0	0	-	0	*
9	Harrogate ...	1018·0	-6	SSW	1	b	61	75	5	-	-	-	0	0	-	0	*
10	Spurn Head ...	1018·0	-4	NW	3	bc	57	95	6	5	-	-	2·3	2·3	1500	0	2
	Catterick ...	1017·6	-10	SE	1	b	56	95	6	-	-	-	0	0	-	0	*
	Tynemouth ...	1016·7	-10	SW	2	bc	56	85	4	5	-	-	2·3	2·3	800	0	1
11	Inchkeith ...	1017·2	-8	SW	1	bc	55	95	6	5	-	-	4·6	4·6	1500	0	1
	Leuchars ...	1016·5	-10	SW	3	b	58	85	6	-	-	-	0	0	-	0	*
12	Renfrew (Abbotts L)	1016·3	-10	NNE	1	m	57	85	4	5	-	-	1	1	5700	0	*
	Eskdalemuir ...	1017·4	-8	-	0	b	54	85	5	-	-	-	0	0	-	0	*
13A	Tiree	1014·1	-6	SW	3	c	57	95	6	5	7	-	9+	10	800	0	2
13B	Stornoway ...		-18	SSW	4	c	56	85	7	8	6	-	7·8	10	1500	0	2
15	Dalwhinnie ...	1015·7	-14	SW	2	bc	57	75	7	4	-	-	2·3	2·3	2500	0	*
	Aberdeen ...	1015·4	-10	SSE	1	b	59	75	6	-	-	-	0	0	-	0	1
	Wick	1013·7	-10	SSW	2	bc	54	95	8	5	-	-	2·3	2·3	2500	0	2
16	Lerwick ...	1014·0	-18	SW	2	F	52	95	8	5	-	-	10	10	<150	0	*
17	Blacksod Point	1015·8	-6	W	1	rr	57	95	8	6	-	-	10	10	<150	1	2
18	Malin Head ...	1014·9	-2	-	0	rr	58	95	6	6	2	-	7·8	10	1500	1	0
	Aldergrove ...	1016·7	-12	SSW	3	c	59	85	6	5	-	-	9+	9+	2500	0	*
	Donaghadee ...	1016·8	-12	SSW	1	bc	59	85	6	7	-	-	2·3	2·3	1500	0	0
19	Birr Castle ...	1017·4	-8	SSE	1	0	56	95	8	5	-	-	10	10	2500	0	*
20	Valentia Obsy.†	1018·7	-4	S	3	c3d	55	95	6	5	-	-	10	10	450	1	1
	Roches Point...	1018·5	-6	SW	3	f	54	95	3	5	-	-	10	10	<150	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h-18h of. (31)	Min. Night 18h-7h of. (32)	Min. on Grass of. (33)	Rainfall. Day 7h-18h mm. (34)	Rainfall. Night 18h-7h mm. (35)	Sunshine 14th Hrs. (36)
1	London (Kew)...	75	55	45	Tr.	-	7·5
	Croydon ...	76	52	47	-	-	9·7
	S. Farnborough	73	51	40	-	9·7	+0·0
	Winchester ...	74	50	43	-	-	10·3
	Boscombe Down	73	50	43	-	-	8·2
	Calshot (S'thmtn)	73	53	49	-	-	12·4
	Dungeness ...	70	53	49	-	-	*
	Lympne ...	66	50	*	-	-	10·8
2	Shoeburyness	68	53	51	-	-	*
	Felixstowe ...	69	48	41	Tr.	-	12·6
	Gorleston ...	67	48	42	-	-	10·9
	Cranwell ...	65	50	49	-	-	12·4
3	Birmingham ...	75	47	42	-	-	12·1
	Upper Heyford	72	53	38	-	-	6·8
4	Ross-on-Wye ...	73	56	46	-	-	*
5	Portland Bill...	72	48	42	-	-	6·4
	Plymouth ...	(68)	56	*	-	-	*
	The Lizard ...	67	50	42	0·1	-	9·3
	Scilly (St. Mary's)	65	55	*	-	-	*
	Guernsey ...	65	53	*	-	-	10·7
6	Pembroke ...	66	55	50	3	-	8·2
7	Holyhead ...	65	53	*	-	-	12·3
	Chester (Sealand)	67	52	43	-	-	6·5
8	L'pool (Bidston)	73	46	42	Tr.	-	8·9
9	Harrogate ...	72	56	50	-	-	11·2
10	Spurn Head ...	68	49	45	-	-	9·9
	Catterick ...	63	51	*	-	Tr.	14·8
	Tynemouth ...	69	45	41	-	-	9·4
11	Inchkeith ...	66	53	46	-	-	*
	Leuchars ...	68	45	36	-	-	11·3
12	Renfrew (Abbotts L)	72	42	39	-	-	12·4
	Eskdalemuir ...	68	41	37	-	-	5·6
13A	Tiree	64	54	51	-	-	6·5
13B	Stornoway ...	67	55	*	-	-	15·5
15	Dalwhinnie ...	73	43	34	-	-	15·5
	Aberdeen ...	64	48	43	-	-	14·0
	Wick	55	45	*	0·1	-	12·5
16	Lerwick ...	54	48	*	Tr.	Tr.	*
17	Blacksod Point	67	55	*	-	2	0·0
18	Malin Head ...	68	56	*	-	2	*
	Aldergrove ...	63	47	41	-	-	7·2
	Donaghadee ...	62	50	*	-	-	2·6
19	Birr Castle ...	69	54	38	-	-	*
20	Valentia Obsy.†	63	54	53	-	3	5·3
	Roches Point...	66	52	*	-	0·1	5·8

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	bz, bcy	bcopr, bcy	bcbym	75	55	45	Tr	-	7·5	•	•	6
Croydon	217	bm, bc	bcy	bcycbcm	76	52	47	-	-	9·7	•	•	6
Greenwich (Royal Observatory) ...	149	by	bcyc	bc b	75	53	42	-	-	9·6	61	60	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	7·0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	74	56	50	-	-	7·3	53	47	•
†Regents Pk. (Botanic Gardens) ...	168	•	•	•	75	54	47	-	-	7·7	72	63	•
Camden Square	110	b	bcc	•	73	54	49	5	-	7·9	At 18h.	53	•
Kensington	80	bbc	cbc	•	72	54	45	-	-	7·0	55	•	•
Hampstead Observatory	450	bc	bcor	•	70	56	46	-	-				

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	2h 15m	Nil	13h-21h 14th

Kew Observatory. Max.	Time.	Min.	Time.
0·4	5h 15m	0·1	13h 14th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 14th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015·7	N	3	c	66	1016·5	NNE	2	3c	63
Brussels	1015·2	NNE	3	c	70	1016·7	NNE	1-2	3c	61
Berlin	1013·1	NE	3	c	68	1013·9	N	2	2c	61
Zürich	1013·6	N	1	c	63	1013·8	SW	1	c	57
Rome	1014·6	WNW	3	bc	66	1014·9	NNE	1	b	63

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	59	Tr	1
73	55	-	-
75	54	-	-
70	54	-	-
72	50	1	-

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 „	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; 6/8 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.

†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

Friday, 16th June 1933.

No. 26139

OBSERVATIONS at 13h. G.M.T. 15th June

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)...	1016.4	-1.4	ENE	1	c	74	45	7	8	-	-	7-8	7-8	4000
	Croydon ...	1016.1	-1.4	E'N	2	bc	75	55	7	2	-	-	4-6	4-6	4000
	S. Farnborough	1016.1	-1.2	N'E	1	c	73	45	7	8	-	-	7-8	7-8	7200
	Winchester ...	1016.0	-1.4	W	2	bc	75	45	7	1	-	-	4-6	4-6	4000
	Boscombe Down	1016.1	-1.2	W'S	3	c	71	55	7	8	-	-	9+	9+	2500
	Calshot, S'thmtn	1016.8	-1.0	SSW	3	c	72	55	7	8	6	-	2-3	7-8	4000
	Dungeness ...	*	*	E'N	3	bc	*	*	6	1	3	*	2-3	2-3	1500
	Lympne ...	1016.8	-.6	N'E	3	b	69	45	9	-	-	1	0	Tr.	2520
2	Shoeburyness	1016.8	-1.2	SSE	2	bc	70	55	8	2	3	9	Tr.	2-3	4000
	Felixstowe ...	1017.1	-1.0	E	2	bc	62	85	8	2	-	-	2-3	2-3	4000
	Gorleston ...	1016.8	-.8	NNE	2	jo	59	85	5	5	-	-	7-8	7-8	2500
	Cranwell ...	1015.7	-1.8	SW	1	c	75	55	6	8	-	-	9+	9+	4000
3	Birmingham ...	1016.0	-1.0	SE	2	c	69	65	5	8	-	-	7-8	7-8	4000
	Upper Heyford	1016.1	-1.4	N	2	bc	75	45	7	2	-	-	4-6	4-6	4000
4	Ross-on-Wye ...	1016.1	-1.0	W	2	pr.	70	65	7	8	7	-	9+	9+	4000
5	Portland Bill...	1017.5	-.6	NW	2	c	64	75	7	5	4	-	7-8	10	2500
	Plymouth ...	1017.8	-.6	SSW	2	bc	66	65	8	2	-	4	1	2-3	4000
	The Lizard ...	1018.5	-.2	W'N	2	bc	66	75	7	1	4	-	2-3	4-6	4000
	Scilly (St. Mary's)	1019.0	-.2	WNW	2	bc	67	75	6	-	-	5	0	4-6	-
	Guernsey ...	1017.5	-.4	N'E	3	b	69	65	7	-	-	-	0	0	-
6	Pembroke ...	1017.0	-.8	WNW	2	m	61	85	4	5	2	-	4-6	9+	2500
7	Holyhead ...	1016.4	-1.2	SSW	3	3o	63	75	6	-	-	6	0	9	-
	Chester (Sealand)	1016.1	-1.4	WNW	3	bc	72	55	6	4	-	-	4-6	4-6	4000
8	L'pool (Bidston)	1016.4	-.8	NNW	2	b	68	65	7	1	-	-	1	1	4000
9	Harrogate ...	1015.2	-1.4	SW	3	bc	73	45	7	2	6	4	1	2-3	4000
10	Spurn Head ...	1015.9	-.6	SSE	4	bc	63	75	6	5	1	-	2-3	4-6	1500
	Catterick ...	1014.4	-1.8	SW	3	bc	74	45	7	2	5	-	2-3	4-6	4000
	Tynemouth ...	1015.2	-1.0	SSE	2	bc	61	85	6	8	-	-	4-6	4-6	1500
11	Inchkeith ...	1013.8	-1.6	SW	1	c	60	65	6	8	-	-	9+	9+	1500
12	Leuchars ...	1013.0	-1.8	S	4	c	69	55	7	8	6	-	4-6	7-8	2500
	Renfrew (Abbotsl)	1013.0	-1.8	SSW	4	c	67	65	6	1	2	7	4-6	10	4000
	Eskdalemuir ...	1013.8	-1.6	SWS	4	c	65	75	7	2	-	-	7-8	7-8	2500
13A	Tiree	1012.4	-.4	SWS	3	rr	57	95	6	6	2	-	9+	10	4-50
13B	Stornoway ...		-.2	WNW	3	c/pr	59	95	7	9	7	-	7-8	10	800
15	Dalwhinnie ...	1012.6	-1.8	SW	4	c	61	65	7	4	2	-	4-6	9	2500
	Aberdeen ...	1012.2	-2.0	S'E	4	bc	69	55	7	2	-	-	2-3	2-3	4000
	Wick	1011.3	-1.4	SSW	3	bc	60	85	8	1	8	-	2-3	2-3	4000
16	Lerwick ...	1011.7	-1.4	SSW	3	bc	56	95	6	5	-	-	2-3	2-3	800
17	Blacksod Point	1015.3	-.2	W	3	c	59	95	8	5	-	-	7-8	7-8	450
18	Malin Head ...	1013.4	-.8	SW	2	r r.	58	95	7	6	2	-	7-8	10	800
	Aldergrove ...	1014.3	-1.4	SSW	3	rr	58	95	7	6	-	-	10	10	450
	Donaghadee ...	1014.4	-1.2	W	2	c/pr	62	85	7	5	-	-	9	9	1500
19	Birr Castle ...	1016.4	-.6	W	2	ir	59	95	7	6	2	-	9	10	2500
20	Valentia Obsy.	1018.5	-.2	WN	3	c	59	85	8	5	-	-	10	10	800
	Roches Point...	1016.9	-1.0	SW	3	c	60	85	8	3	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 15th June

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)...	1013.5	-1.4	-	0	c	71	65	6	8	-	-	7-8	7-8	2500	0	*
	Croydon ...	1013.6	-1.4	SSW	3	c	72	55	6	8	-	-	7-8	7-8	4000	0	*
	S. Farnborough	1014.1	-.8	W'S	2	t	69	66	7	8	-	3	4-6	9+	4000	0	*
	Winchester ...	1014.8	+.4	ESE	3	r/t/r	61	85	6	9	-	-	9+	9+	4000	1	*
	Boscombe Down	1014.2	-.8	W	3	c	70	65	6	8	3	9	4-6	9+	2500	0	*
	Calshot, S'thmtn	1014.7	-.6	W	3	t	73	55	7	3	6	-	4-6	7-8	4000	0	1
	Dungeness ...	*	*	E	2	b	*	*	7	-	1	*	0	1	-	*	
	Lympne ...	1014.5	-.4	SE	2	b	62	85	8	-	-	-	0	0	-	0	*
2	Shoeburyness	1014.4	-.6	E	3	b	63	75	8	-	-	-	0	0	-	0	*
	Felixstowe ...	1015.1	-.2	E'S	1	c	56	95	7	5	-	-	9	9	220	0	0
	Gorleston ...	1014.7	-.8	SSE	2	F	52	95	1	5	-	-	10	10	<150	0	1
	Cranwell ...	1013.3	-1.0	SWW	1	3o	71	55	6	8	-	-	9+	9+	4000	0	*
3	Birmingham ...	1014.2	-.6	WSW	2	c/t/c	63	75	6	6	-	-	9	9	2500	1	*
	Upper Heyford	1013.7	-1.0	-	0	c	71	65	7	5	3	-	4-6	7-8	7200	0	*
4	Ross-on-Wye ...	1014.2	-1.2	SWW	2	3o	69	65	7	3	6	9	2-3	4-6	4000	0	*
5	Portland Bill...	1015.3	-2.0	W	3	c	63	85	7	5	4	-	7-8	10	2500	0	2
	Plymouth ...	1015.7	-1.2	WNW	4	c	68	55	7	1	-	6	Tr.	7-8	4000	0	2
	The Lizard ...	1016.5	-.8	W'N	2	c	62	85	7	4	7	1	4-6	7-8	2500	0	0
	Scilly (St. Mary's)	1017.4	-1.4	WNW	3	c	64	85	6	8	8	9	2-3	7-8	2500	0	1
	Guernsey ...	1017.0	-1.0	NNW	3	bc	67	65	7	-	3	-	0	2-3	-	0	2
6	Pembroke ...	1016.2	-.8	WNW	2	m	58	85	4	5	2	-	7-8	9+	1500	0	1
7	Holyhead ...	1014.8	-.6	W'N	4	1c	59	95	6	5	7	-	1	10	450	0	1
	Chester (Sealand)	1014.4	-.8	NNW	2	c	65	65	6	1	-	6	2-3	7-8	4000	0	*
8	L'pool (Bidston)	1014.6	-.8	WNW	3	bc	64	65	7	1	-	5	1	4-6	4000	0	*
9	Harrogate ...	1013.3	-1.0	SW	2	bc	68	55	7	-	-	2	0	2-3	-	0	*
10	Spurn Head ...	1013.3	-.8	S'E	4	c	61	85	7	5	2	-	4-6	7-8	2500	0	2
	Catterick ...	1012.9	-.8	SWW	2	bc	67	55	7	4	-	6	Tr.	4-6	4000	0	-
	Tynemouth ...	1012.4	-1.2	SSE	1	c	61	85	6	4	-	-	9	9	4000	0	1
11	Inchkeith ...	1012.2	-.6	WSW	3	c	61	75	6	5	6	6	4-6	7-8	1500	0	2
12	Leuchars ...	1012.1	-.8	W	4	c	65	65	7	8	-	8	9	9	2500	0	*
	Renfrew (Abbotsl)	1012.3	-.4	SW	3	ir	59	85	8	9	7	-	9	10	1500	0	*
	Eskdalemuir ...	1012.3	-.6	SSW	4	c	63	75	7	4	-	2	4-6	7-8	2500	0	*
13A	Tiree	1012.7	+.4	NW	4	c/r	54	95	7	5	7	-	9+	9+	1500	1	2
13B	Stornoway ...		+.2	NW	3	c	55	85	8	9	7	-	7-8	9+	1500	1	1
15	Dalwhinnie ...	1011.6	-.4	SW	2	id.	55	95	8	4	2	-	7-8	10	800	1	*
	Aberdeen ...	1011.0	-.8	S	3	bc	64	65	6	2	8	-	2-3	4-6	5700	0	1
	Wick	1010.3	-.4	NW	2	c	60	85	8	8	1	-	7-8	9	2500	0	2
16	Lerwick ...	1009.7	-1.2	SSW	3	b	56	95	6	5	-	-	Tr.	Tr.	1500	0	*
17	Blacksod Point	1016.3	+.4	WNW	3	c	58	75	8	8	-	-	7-8	7-8	800	0	2
18	Malin Head ...	1013.8	+.6	WNW	4	dr	56	95	7	6	2	-	7-8	9+	220	1	2
	Aldergrove ...	1013.1	-.8	WSW	2	c/r	61	85	8	8	-	-	9+	9+	800	1	*
	Donaghadee ...	1013.1	-1.6	WNW	1	c	61	95	7	6	-	-	9	9	800	1	0
19	Birr Castle ...	1014.7	-1.0	W	1	c	62	85	8	8	-	-	9	9	2500	1	*
20	Valentia Obsy.	1018.0	-.4	WN	2	o	58	95	8	5	-	-	10	10	220	1	1
	Roches Point...	1015.7	-.8	N	3	ir	61	95	8	6	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

Division	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 15th (37)	13h.–18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.–7h. 16th (40)
1	London (Kew)...	bm,c	c3o	cTLRoRr	cerbcm,
	Croydon ...	bm,bc3,4	bcyc3o	cmcoidom	cm,
	S. Farnborough	bm,bcy	bcbycul	cr,crc	cbcm,
	Winchester ...	bcy	bcbyclR	ctlr,c	cm,
	Boscombe Down	bc3,cy	cbcc3,4	bcb	bccm
	Calshot, S'thmtn	bcm,cy	bccyt	etc	cm,
	Dungeness ...	bc	*	*	b
	Lympne ...	bvy	b	b	bm,
2	Shoeburyness	byb	byb	bbc	bccR
	Felixstowe ...	b	bcc	cm	cmof
	Gorleston ...	bccf	coff	affcm	bcmof
	Cranwell ...	b3,cy	cybcc	c3,m,	cbm,
3	Birmingham ...	mbc	bctlR	crc	cbc
	Upper Heyford	bbcy	bcy	cbc	bcbw
4	Ross-on-Wye ...	b3bc3c	rtc	b3,	bbcb
5	Portland Bill...	bbcc	c	cbc	bbcc
	Plymouth ...	bm, b	byc	c	c
	The Lizard ...	bbc	bcc	cpr,o	ofpr
	Scilly (St. Mary's)	ifbc	bccm,	id,mc	cp,
	Guernsey ...	b	b	b bc	bcb3
6	Pembroke ...	bbc3cm	cmc	cmprfec	fecbcc
7	Holyhead ...	bm,bc3,⊕	c3, m,	r,cmc	c
	Chester (Sealand)	b3,ybc	bcc	c	c
8	L'pool (Bidston)	bm, b	by,bbc	bccm,	m,c
9	Harrogate ...	b	b	bbcc	bcc
10	Spurn Head ...	bc	bcc	cprl	ocbc
	Catterick ...	m,b3,bc	bcyb,cy	cy,bc	bccm,
	Tynemouth ...	bcm	bcc	bc	bcom
11	Inchkeith ...	bcc	c	cir,	cbc
12	Leuchars ...	bwm,cy	cyc	c	cpr,bc
	Renfrew (Abbotsl)	bmc3o	3o,pr,	cr,c	cbcc
	Eskdalemuir ...	bmwbc	bcyc	c	cpr b
13A	Tiree	crr	crr	cbcc	c
13B	Stornoway ...	cpr	cpr	c	cpr
15	Dalwhinnie ...	c	ido	*	cr
	Aberdeen ...	b3,bcy	bcy3o	bccr,	cr,rbc
	Wick	bc	bcc	rr m,	r,r bc
16	Lerwick ...	FF, bcm,	bcm,	bcom	crrc
17	Blacksod Point	cR	1R,	cbc	pr,
18	Malin Head ...	crr	cidr	cpr	c
	Aldergrove ...	cor,rr	crr,r,c	cp,	cbcc
	Donaghadee ...	bccpr,	c rrc	c PRc	cbc
19	Birr Castle ...	cir	circ	cr,	c
20	Valentia Obsy.	cidd,c	cpr,cidc	cpr,cbc	bccr
	Roches Point...	cfirc	cir	crrc	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.
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.
"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.*

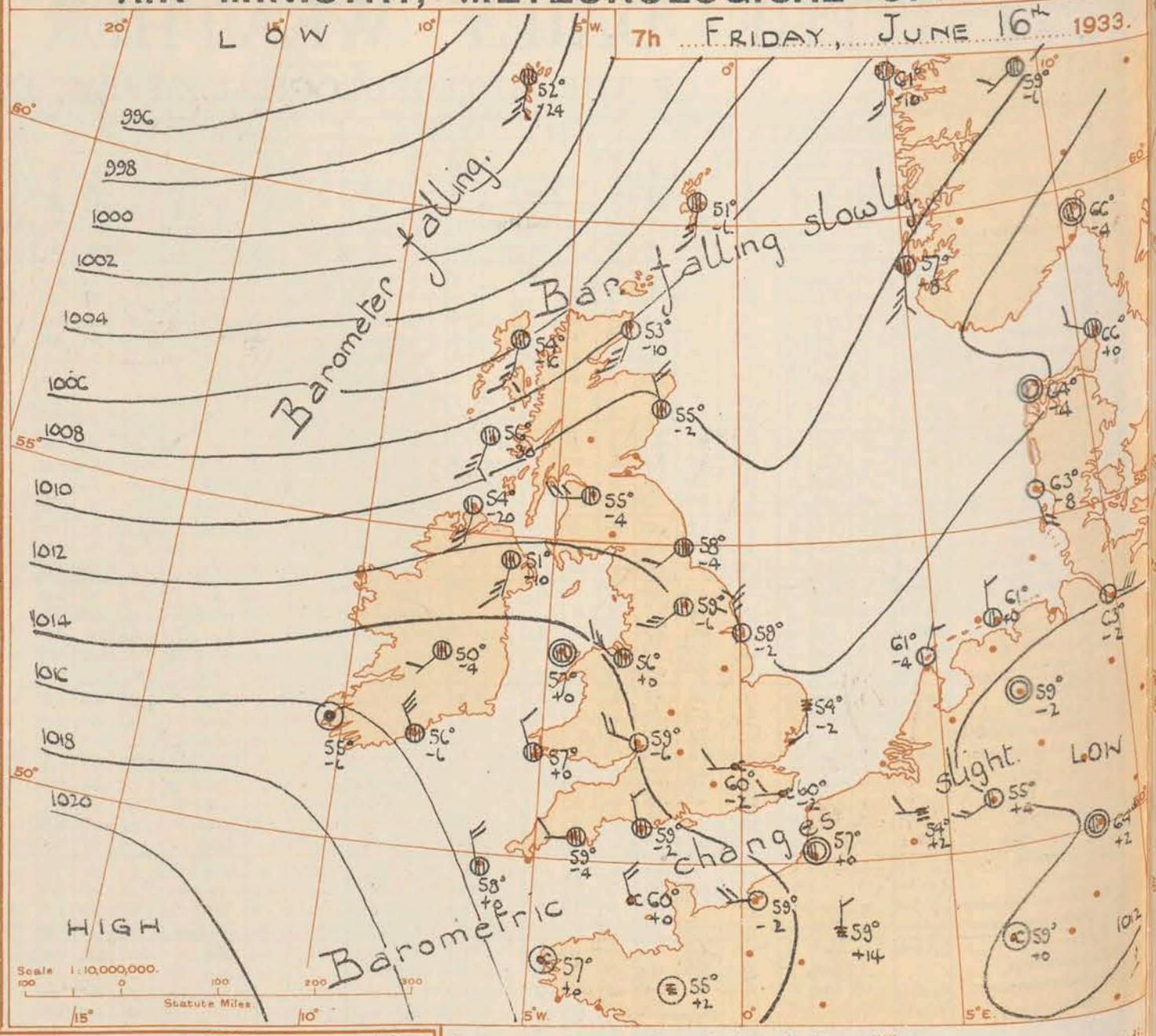
REPORTS from HEALTH RESORTS for 15th June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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	b	48	79	–	–	12·5	11·8
	Bournemouth	bbcb	b	51	76	–	–	10·2	12·8
	Ventnor ...	cb3	bbcb3	57	74	–	–	7·6	10.4
	Southsea ...	bbc	bcc	54	76	–	–	6·3	12·6
	Bognor Regis	bbc	bc	55	73	–	–	10.6	11.7
	Littlehampton	bc	bc	54	74	–	–	11·2	13·8
	Worthing ...	bbc	bc	57	74	–	–	11·6	13·5
	Brighton ...	b	b	57	75	–	–	12·5	10.7
	Eastbourne†	b	b	56	70	–	–	12·6	9.9
	Hastings† ...	b	b	55	71	–	–	12·9	8·6
	Folkestone ...	b	b	54	66	–	–	12·5	10.1
	Dover... ...	b	b	55	68	–	–	12·7	9·3
	Deal	b	b	57	64	–	–	12·5	9.4
	Ramsgate ...	b	b	54	62	–	–	12·5	9·2
	Margate ...	bc	b	56	64	–	–	12·7	10·8
2	Southend ...	b	b	54	72	–	–	12.7	11·5
	Maldon ...	b	b	51	77	–	–	12·4	13.8
	Clacton-on-Sea	bcy	bcb	51	67	–	–	12·5	12·9
	Dovercourt ...	bcv	bv	50	65	–	–	13.6	10·1
	Lowestoft ...	b	b3 Fe	50	62	–	–	6·0	11·9
	Skegness ...	b	bbc	48	64	–	–	11·2	15·1
	Mablethorpe	b	bbc	46	67	–	–	11·2	14.7
	Cleethorpes...	b	bcoc	49	70	–	–	9·8	14·1
3	Leamington S.	bbc	bcc	51	76	–	–	8·5	8.7
4	Cheltenham†	bwbcc	or tc	54	76	–	2	8·8	9·8
5	Bath	bbcc	cbcb	52	75	–	–	6·9	5·3
	Weymouth ...	bbc	c	52	73	–	–	5·9	11·1
	Jersey ...	b	b	59	73	–	–	12·0	5·0
	Torquay ...	bbcb	by	54	75	–	–	10.5	9.7
	Penzance ...	bcb	bc	52	72	–	–	10.4	9.6
	St. Ives ...	b	b	54	65	–	–	9·0	8.7
	Bude	bcb	b	49	66	–	–	10·6	10.0
	Ilfracombe ...	b	b	55	66	–	–	11·0	7·4
6	Aberystwyth	cmbm	b3 c3	51	67	–	–	11·0	3·9
7	Llandudno ...	b	bc	53	71	–	–	11·8	7.7
	Colwyn Bay...	bbc	bccbc	53	73	–	–	9·3	8·2
	Rhyl	b	bbc	50	69	–	–	9·8	9·3
8	Wallasey ...	b	bbc	54	69	–	–	10·1	10.7
	Southport‖ ...	bc	bbcc	52	71	–	–	10.7	6·2
	Blackpool ...	bcb	bcc	53	69	–	–	11.0	6·2
	Morecambe ...	b	b	54	68	–	–	10.5	6·0
9	Ilkley	b	b	47	77	–	–	10·8	7.9
10	Berwick-on-T.	b	bbcc	49	72	–	–	10·7	3·4
11	Dunbar ...	bc	bc	51	70	–	–	7·3	8·8
12	Troon... ...	codd	odor	51	62	0.5	0.5	1·1	10.7
	Douglas ...	bc	bcbcoh	52	66	–	Trace	9.0	7.7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Friday, June 16th 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. T Thunder. K Thunderstorm. ∞ Haze.
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 June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands	Light or moderate northwest or west wind; fair today, apart from a chance of local thundery showers; perhaps occasional rain tomorrow; rather warm.
5. S.W. England 6. South Wales	Light or moderate northwest or west wind; cloudy, local showers at first, occasional rain later; moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands	Light to moderate or fresh west or southwest wind; cloudy, local showers at first, occasional rain later; moderate temperature.
10. N.E England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light or moderate southwest or west wind; fair at first, occasional rain later; rather high to moderate temperature.
13. A. W Scotld. B. N W. Scotland. 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate to fresh or strong southwest wind; cloudy, occasional rain; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S W Ireland	Moderate to fresh southwest to west wind; cloudy, occasional rain; moderate temperature.

GENERAL INFERENCE.

Pressure is highest near the Azores and lowest in the Iceland region and disturbances are moving eastwards from the Atlantic. Weather will be unsettled especially in the North and West, but today will be mainly fair in the East and Southeast apart from a chance of local thundery showers.

FURTHER OUTLOOK.

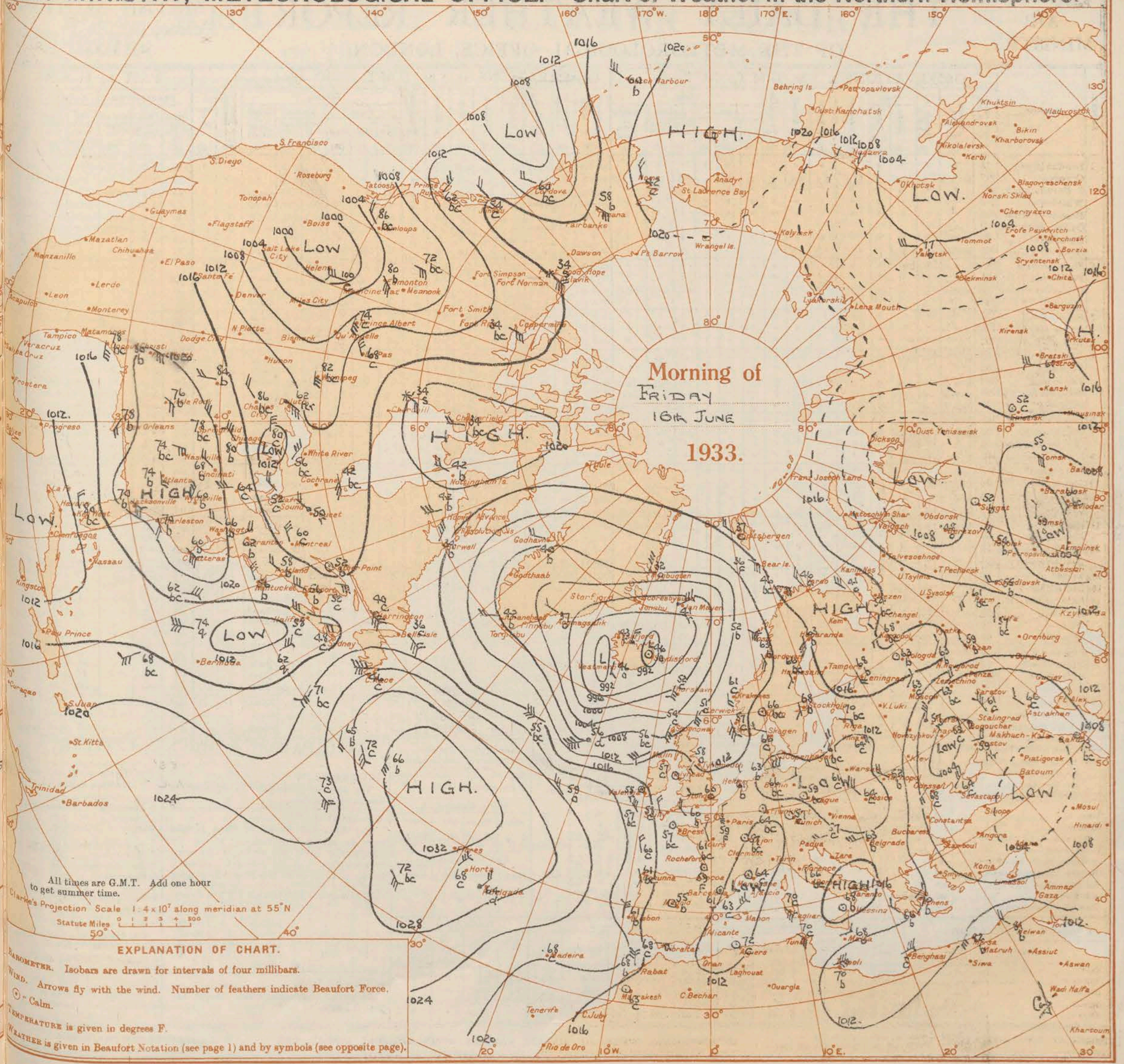
Unsettled, but bright periods probable especially in the East and Southeast.

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
FRIDAY
16th JUNE
1933.
HIGH.
Low
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

Friday, 16th June 1933.

No. 29139

OBSERVATIONS at 1 hr. G.M.T. 16th June

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	1013.9	-8	SW	1	c/d	62	85	6	5	2	-	4-6	10	5700
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014.5	-10	WNW	1	bc	63	75	8	-	-	1	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014.2	-6	-	0	bc	53	95	6	5	-	-	4-6	4-6	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1014.6	-6	NNW	2	b	58	86	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1016.3	-8	W	2	o	57	95	8	5	-	-	10	10	2500
	Scilly(St.Mary's)	163	1017.2	-4	NW	2	c	57	96	8	5	-	-	7-8	7-8	2500
	Guernsey ...	175	1016.1	-10	-	0	bc	58	96	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1015.0	0	NW	1	F	56	95	1	5	-	-	10	10	1150
7	Holyhead ...	26	1014.6	-2	WNW	4	c	56	95	7	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012.7	0	-	0	c	57	96	7	-	2	-	0	10	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1012.2	-6	W	2	bc	57	86	6	2	-	1	4-6	4-6	2500
11	Inchkeith ...	190	1012.0	0	SW	3	r.b	56	95	7	8	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	-	-14	SSW	2	c	53	85	7	8	6	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.7	+4	WNW	2	r.b	52	95	8	6	-	-	10	10	1500
16	Lerwick ...	54	1008.1	-4	WSW	2	m	54	95	4	5	-	-	10	10	800
17	Blacksod Point	18	1015.8	-6	WNW	1	bc	54	95	8	8	-	-	4-6	4-6	800
18	Malin Head ...	52	1014.4	-2	W	2	c	53	85	7	8	-	-	9	9	1600
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019.1	0	W	2	c	54	85	8	5	-	-	7-8	7-8	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 16th June

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)
1013.4	+6	SSW	2	bc	61	85	6	-	3	-	0	2-3	-	1	*
1013.5	-2	W	1	3o	60	85	6	-	3	-	0	7-8	-	0	*
1014.6	+2	WNW	3	b	59	85	6	5	-	-	Tr	Tr	4000	1	*
1014.0	+2	WNW	2	c	57	85	6	5	-	-	3+	3+	450	0	*
1013.9	-4	NW	1	bc	57	85	6	5	-	-	4-6	4-6	450	0	*
1014.1	+2	WNW	2	c	58	85	6	5	-	-	3	3	450	0	1
*	*	-	0	bc	*	*	6	-	-	*	0	2-3	-	*	0
1013.5	-2	W'S	1	3o	60	85	6	5	3	-	Tr	Tr	7200	0	*
1013.2	+2	-	0	c/r	59	85	5	3	4	-	4-6	10	5700	1	*
1013.2	-8	S	2	c/f	56	95	5	5	-	-	10	10	220	0	0
1012.4	-2	S	1	f	54	95	3	5	-	-	10	10	150	0	2
1012.3	-2	W	2	b	58	85	6	2	-	8	Tr	1	4000	0	*
1013.7	-4	WNW	2	bc	57	85	6	5	-	-	4-6	4-6	4000	1	*
1013.3	-4	NW'W	3	bc	58	95	7	7	-	-	2-3	2-3	2500	0	*
1013.8	-6	W'N	2	b	59	85	8	4	-	8	Tr	1	4000	0	*
1014.4	-2	NNW	1	c	59	85	7	4	7	-	7-8	10	2500	0	2
1014.7	-4	W	1	c	59	95	8	8	-	-	9	9	1500	0	0
1015.4	0	W	1	c	58	95	8	4	6	-	7-8	9	2500	1	0
1015.0	0	N'W	2	c	58	95	7	5	1	-	7-8	7-8	4000	0	1
1015.2	0	NW	2	3o	60	85	6	1	-	-	1	1	4000	0	1
1014.7	0	NW	1	c	57	95	7	3	5	6	4-6	7-8	1500	1	1
1014.3	0	-	0	c	57	95	7	5	-	8	9+	9+	1500	0	0
1013.6	0	W'N	3	o	56	95	6	5	-	-	10	10	800	0	*
1013.7	0	WNW	2	c	56	95	8	5	-	-	9+	9+	2500	0	*
1011.9	-6	WSW	3	c	59	85	8	3	-	-	9+	9+	2500	0	*
1011.8	-2	NW	4	bc	59	95	6	5	7	-	2-3	4-6	1500	0	3
1010.9	-6	W'S	2	c	61	85	7	5	3	-	9	9+	1500	0	*
1011.0	-4	SW	1	o	58	85	6	5	-	-	10	10	1500	0	1
1011.4	-2	WSW	4	bc	53	85	7	5	6	-	4-6	4-6	2500	0	2
1011.4	+4	NW	3	b	58	65	3	7	3	-	1	1	2500	0	*
1011.8	-4	W'N	3	c	55	75	8	5	-	-	9	9	2500	0	*
1010.6	-4	-	0	b	60	65	3	1	-	1	Tr	Tr	2500	0	*
1009.0	-30	S'W	4	c	56	85	8	5	7	9	2-3	9+	2500	1	3
*	-16	SSW	4	c/pr	54	95	7	9	6	-	4-6	9+	1500	1	2
1011.0	-8	S	1	c	50	75	8	4	-	-	7-8	7-8	1500	1	*
1009.9	-2	NW	2	c	55	85	8	8	3	-	4-6	7-8	4000	1	1
1008.0	-10	SSW	3	bc	53	85	8	1	4	-	2-3	2-3	2500	1	2
1006.8	-6	S'W	3	c/r	51	95	8	5	7	-	4-6	9+	1500	2	*
1011.1	-16	SW	3	c	56	85	8	8	-	-	9	9	450	2	1
1010.3	-20	SSW	3	c	54	85	7	3	7	-	1	10	800	0	1
1013.0	-10	S'W	3	c	51	95	8	5	-	-	9+	9+	800	1	*
1013.3	-8	NNW	1	bc	55	85	8	5	2	-	4-6	4-6	1500	0	0
1014.8	-4	SW	1	c	50	95	7	5	-	-	9+	9+	2500	1	*
1016.5	-6	-	0	tr	55	95	7	6	-	-	10	10	800	1	1
1015.4	-6	NW	3	c	56	85	8	5	-	-	9	9	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 15th Hrs. (36)
78	59	57	-	13	10.9
75	59	58	-	Tr	10.5
78	55	49	-	-	8.7
77	53	51	-	Tr	9.2
76	53	52	-	-	6.5
76	53	49	-	-	*
66	49	*	-	-	1.7
71	52	44	-	-	
71	50	42	-	2	14.8
62	53	46	-	-	13.1
61	51	43	-	-	5.7
77	53	50	-	-	8.9
76	51	39	3	1	5.4
77	53	49	-	-	*
73	48	43	0.4	-	6.9
67	55	*	-	-	*
68	57	53	-	-	13.0
70	56	*	-	3	*
68	56	*	-	0.3	10.8
70	56	50	-	-	1.4.4
63	52	*	-	3	8.2
65	54	52	Tr	0.4	5.1
72	56	50	-	-	8.7
68	54	50	-	-	10.3
74	53	49	-	-	11.4
63	54	*	-	1	10.2
75	52	45	-	-	11.2
65	54	49	-	-	*
60	51	*	-	6	0.6
59	51	*	-	4	Tr 0.0
61	48	40	11	0.4	0.4
68	46	*	10	6	*
63	44	36	5	Tr	1.8
60	52	46	0.3	0.6	0.1
66	52	*	2	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	bm,c	c3,	cIL,r,bc	78	59	57	-	13	10.5	*	*	66
CROYDON	217	bm,bc3,4	bc4,o3,	cm,ud,oc	75	59	58	-	Tr	10.5	*	*	65
GREENWICH (Royal Observatory) ...	149	b4	bc4	ctl,cb3,	78	60	55	-	-	11.9	45	66	*
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	12.8	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	78	60	58		1	10.9	36	63	*
†REGENTS PK. (Botanic Gardens) ...	168	*	*	*	79	59	59		1	12.0	65	70	*
CAMDEN SQUARE	110	b	b	*	79	60	59	-	3	*	*	63	*
KENSINGTON	80	b3,b6c	bc	*	78	59	57	-	2	11.4	At 18h 54	47	*
HAMPSTEAD OBSERVATORY	450	bc	b	*	76	60	53	-	3	11.9	*	53	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 15th June

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1012.7	NNE	2	bc	73
BRUSSELS	1012.8	NNW	3	bc	68
BERLIN	1011.5	E'N	3	bc	72
ZÜRICH	1011.2	N	2	bc	66
ROME	1012.8	ESE	3	bc	73

7h. G.M.T. 16th June

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1013.9	N	1	f	59
1013.2	W	1	f	54
1011.8	E	1	bc	69
1012.7	-	0	bc	57
1015.7	N	1	bc	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
77	55	-	Tr
73	50	-	-
75	57	-	-
73	52	-	-
	54	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 16th

South Kensington. Max.	Time.	Min.	Time.
0.6	8h.15m	Nil	12h-16h 15m

Kew Observatory. Max.	Time.	Min.	Time.
0.2	18h.15m	0.1	10h.15m

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, 17th June 1933.

No. 26140

OBSERVATIONS at 13h. G.M.T. 16th June

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)	1010.4	-18	W'S	3	bc	71	45	8	1	-	1	4-6	4-6	4000
	Croydon	1010.0	-26	WSW	3	bc	74	45	7	8	-	-	4-6	4-6	4000
	S. Farnborough	1010.7	-20	WSW	3	bc	75	45	7	2	-	5	4-6	4-6	4000
	Winchester	1010.9	-22	SW	3	C	70	55	7	8	-	1	7-8	9+	4000
	Boscombe Down	1011.0	-22	W	3	C	70	55	7	2	-	8	7-8	7-8	4000
	Calshot, S'thmtn	1011.9	-18	SW'S	4	bc	71	55	8	2	?	?	1	2-3	4000
	Dungeness	*	*	SW'S	1	bc	*	*	6	4	-	*	2-3	2-3	1500
	Lympne	1011.7	-20	SE'S	2	3o	70	75	6	8	-	-	2-3	2-3	4000
2	Shoeburyness	1010.6	-18	S	2	C	74	55	5	3	3	-	4-6	9	4000
	Felixstowe	1010.2	-22	SE	3	3o	68	65	6	2	-	-	2-3	2-3	4000
	Gorleston	1010.1	-14	SE'S	3	bc	61	85	6	4	-	-	4-6	4-6	2500
	Cranwell	1009.5	-22	SW	3	C	72	55	7	8	-	-	7-8	7-8	2500
3	Birmingham	1009.7	-20	WSW	3	bc	69	55	8	8	-	1	4-6	4-6	4000
	Upper Heyford	1010.6	-22	WSW	3	C	71	55	8	8	-	6	9	9+	4000
4	Ross-on-Wye	1010.5	-14	W'S	4	bc	72	45	8	2	8	1	4-6	4-6	4000
5	Portland Bill	1012.6	-16	WSW	3	bc	60	85	7	7	-	2	2-3	4-6	2500
	Plymouth	1013.2	-14	SSW	4	C	65	75	8	2	5	8	2-3	7-8	2500
	The Lizard	1014.3	-6	W	3	C	63	85	8	4	4	-	4-6	9	2500
	Scilly (St. Mary's)	1015.2	-6	WNW	3	C	63	85	8	8	2	-	4-6	10	2500
	Guernsey	1014.5	-6	WNW	2	3o	67	75	5	8	3	-	4-6	7-8	2500
6	Pembroke	1012.3	-16	WSW	2	C	57	85	8	5	-	-	10	10	1500
7	Holyhead	1010.7	-24	SW'S	4	C	56	85	7	5	7	8	2-3	10	450
	Chester (Sealand)	1010.0	-22	NNW	2	C	63	75	8	5	-	8	9	9+	2500
8	L'pool (Bidston)	1010.0	-16	WNW	2	C	61	75	8	8	-	-	7-8	7-8	2500
9	Harrogate	1008.7	-14	W	3	bc	63	75	8	2	-	9	1	2-3	4000
10	Spurn Head	1008.7	-10	SSE	4	C	62	85	6	3	7	-	4-6	7-8	2500
	Catterick	1007.3	-22	SWW	4	bc	65	65	8	2	3	9	1	2-3	4000
	Tynemouth	1007.4	-24	SE	1	c/pr	58	95	7	3	-	-	7-8	7-8	1500
11	Inchkeith	1005.2	-32	WSW	3	C	62	65	8	8	-	-	9	9	4000
	Leuchars	1005.7	-34	SW	3	C	67	45	7	2	3	6	2-3	7-8	4000
12	Renfrew (Abbotsl.)	1005.7	-38	SSW	5	C	58	65	8	2	7	-	Tr.	10	2500
	Eskdalemuir	1005.7	-30	SSW	5	C	63	65	8	2	3	1	4-6	7-8	2500
13A	Tiree	9984	-62	S'E	6	rr	53	95	6	6	-	-	10	10	800
13B	Stornoway		-50	SSW	8	rr	53	95	6	9	2	-	7-8	10	800
15	Dalwhinnie	1002.1	-40	SW	5	C	55	65	8	4	2	1	4-6	10	1500
	Aberdeen	1004.0	-38	S'E	4	C	56	85	8	8	7	3	4-6	7-8	2500
	Wick	1000.5	-40	SSE	3	C	55	85	8	8	1	-	7-8	9	1500
16	Lerwick	1002.3	-28	S'W	4	C	53	85	8	8	9	5	4-6	7-8	1500
17	Blacksod Point	1003.6	-24	W	4	DD	57	95	6	6	-	-	10	10	4150
18	Malin Head	1000.1	-58	SW	6	pr	55	85	7	6	1	-	9	10	450
	Aldergrove	1006.3	-40	S	5	r.c	57	85	7	6	2	-	9	10	800
	Donaghadee	1007.3	-30	W	1	pr	57	85	8	5	-	-	7-8	7-8	1500
19	Birr Castle	1008.9	-38	SW	3	ir	56	95	8	6	-	-	10	10	1500
20	Valentia Obsy.	1011.4	-28	SW'S	4	r.c	56	95	6	6	-	-	10	10	450
	Roches Point	1011.8	-18	SW	3	ir	57	85	8	6	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 16th June

Distrct.	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. (0-6) (30)
1	London (Kew)	1007.4	-14	SW	3	C	71	55	8	8	-	1	4-6	7-8	4000	0	*
	Croydon	1007.7	-20	SWW	4	bc	70	55	8	2	3	9	2-3	4-6	4000	0	*
	S. Farnborough	1007.8	-8	SWW	4	c/pr	67	65	8	9	8	-	9	9	4000	1	*
	Winchester	1008.1	-10	WSW	4	C	65	75	8	8	-	6	4-6	9	4000	0	*
	Boscombe Down	1008.6	-12	W	3	C	63	65	8	5	1	-	4-6	9+	2500	0	*
	Calshot, S'thmtn	1009.3	-10	SW'S	4	bc	63	75	7	5	-	6	2-3	4-6	2500	0	2
	Dungeness	*	*	SW	3	bc	*	*	7	4	9	*	2-3	4-6	1500	*	3
	Lympne	1008.8	-18	SW	3	bc	66	65	8	-	-	4	0	4-6	-	0	*
2	Shoeburyness	1007.7	-16	SW	3	bc	72	55	7	-	7	5	0	4-6	-	0	*
	Felixstowe	1006.4	-22	SSE	3	3o	65	75	6	5	1	-	4-6	7-8	4000	0	2
	Gorleston	1005.9	-20	S'E	3	bc	67	65	6	4	7	-	4-6	4-6	2500	0	2
	Cranwell	1004.7	-26	SW	4	C	70	45	8	8	-	6	4-6	9+	2500	0	*
3	Birmingham	1006.9	-16	WSW	4	C	64	65	8	5	2	-	1	9+	4000	0	*
	Upper Heyford	1007.2	-20	SW	4	C	66	45	8	8	7	6	Tr.	9+	4000	0	*
4	Ross-on-Wye	1007.4	-10	W'S	4	C	61	65	8	6	1	-	1	10	2500	0	*
5	Portland Bill	1008.9	-24	WSW	4	C	59	95	7	5	-	-	7-8	7-8	2500	0	3
	Plymouth	1010.3	-16	WSW	6	C	62	65	9	4	7	8	2-3	9+	2500	0	3
	The Lizard	1011.5	-12	WSW	4	C	59	85	8	8	2	-	7-8	9+	2500	0	3
	Scilly (St. Mary's)	1011.3	-20	WSW	4	ir6	57	95	7	9	2	-	9	10	2500	1	2
	Guernsey	1011.7	-18	WNW	4	bc	63	85	7	8	3	-	4-6	4-6	2500	0	2
6	Pembroke	1007.4	-28	WSW	3	ir6	57	85	6	3	5	-	7-8	10	2500	1	2
7	Holyhead	1004.9	-34	SW'S	5	rr	54	95	5	6	2	-	9+	10	220	1	2
	Chester (Sealand)	1005.6	-22	SSW	2	r.6	57	86	7	6	2	-	4-6	9+	1500	1	*
8	L'pool (Bidston)	1004.5	-28	SSW	4	r.6	56	85	9	6	7	-	4-6	9+	2500	0	*
9	Harrogate	1003.6	-26	SW	2	ir6	58	75	7	6	2	-	1	10	4000	0	*
10	Spurn Head	1003.4	-14	SWW	4	C	68	75	7	5	2	-	4-6	7-8	2500	0	3
	Catterick	1002.8	-24	SSW	2	pr6	57	85	8	6	7	-	2-3	10	1500	0	*
	Tynemouth	1001.2	-20	SW	5	c/pr	61	65	7	6	-	-	7-8	7-8	1500	1	2
11	Inchkeith	997.5	-40	SSW	4	c/r	54	85	8	6	2	-	7-8	10	2500	1	3
	Leuchars	997.5	-50	S	4	ir	54	85	6	6	2	-	7-8	10	800	1	*
12	Renfrew (Abbotsl.)	996.4	-60	SSW	6	rr	55	95	4	6	7	-	9	9+	450	1	*
	Eskdalemuir	1000.0	-38	SSW	6	rr	51	85	6	6	-	-	10	10	220	1	*
13A	Tiree	997.7	-4	W	5	C	55	75	7	8	7	-	7-8	7-8	1500	1	3
13B	Stornoway		-6	WSW	6	c/pr	55	95	7	9	6	-	4-6	7-8	1500	1	3
15	Dalwhinnie	994.3	-40	SW	6	rr	51	95	7	4	2	-	4-6	9	800	1	*
	Aberdeen	996.6	-34	SSW	4	rr	53	75	6	6	-	-	10	10	450	1	2
	Wick	991.2	-68	S	6	r.6	52	95	8	6	2	-	9	10	1500	1	4
16	Lerwick	993.6	-48	SSE	6	ir	53	95	5	5	2	-	9	10	800	1	*
17	Blacksod Point	1003.8	+2	WNW	5	q	57	75	8	3	-	-	4-6	4-6	800	0	4
18	Malin Head	997.6	0	W	7	pr	55	85	7	6	-	-	9+	9+	1500	1	4
	Aldergrove	999.3	-34	W'S	4	ir	56	95	6	6	-	-	10	10	450	1	*
	Donaghadee	999.0	-46	SW	2	r.6	56	96	7	6	-	-	9	9	800	1	1
19	Birr Castle	1003.4	-26	SW	3	c/pr	59	85	8	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	1008.5	-6	NNW	5	ir	57	95	6	6	-	-	10	10	450	1	2
	Roches Point	1006.5	-30	SW	3	ir	57	85	8	6	-	-	9	9	1500	1	3

PAST 24 HOURS.

Distrct.	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 16th (37)	Weather. 13h.—18h. 16th (38)	Weather. 18h. 16th to 1h. 17th (39)	Weather. 1h.—7h. 17th (40)
1	London (Kew)	bcy	bcy	bcc	oRRbc
	Croydon	bc3o	bcy	ccr6	orrm6
	S. Farnborough	bbc	bc c p r6	cr6 cr6	or6 r q bc
	Winchester	cm6 bc	cyc p r6 c	cr	crrc
	Boscombe Down	bccy	cy	cpr	cprcbc
	Calshot, S'thmtn	bm6	bcy	bcr6	crr
	Dungeness	b	bc	*	r
	Lympne	bm6	bybc	bccr	orrfq
2	Shoeburyness	cbcc3o	cm6 bc3	bc3 6 c	oRRc
	Felixstowe	om6 bc3o	bc3 bc3o	bc3 6 c	corrcr6 c
	Gorleston	fobcm	bc l p c	cov6	orro
	Cranwell	bbc3o c	bcc	cr6 cr	crcbc
3	Birmingham	bc	bcc	ccr6	cprb
	Upper Heyford	bbccy	cy	cvcr	crrobc
4	Ross-on-Wye	bbccbc	bcyc	co6 p6	cbc
5	Portland Bill	cbc	bcc	ocr3o	cr3 6 c
	Plymouth	C	cv	cvcrm	cr6 bccr
	The Lizard	C	cbcc	omprq	pr6 c
	Scilly (St. Mary's)	C	cir6	rdjp	c
	Guernsey	bz bcc	bcc	bccod	oprc
6	Pembroke	C	circ	cid6 qc	cq bccq
7	Holyhead	id6 c	r6 r q	ir6 6 q	cqpr6
	Chester (Sealand)	d6 C	cvr6	cr kq	cqpr
8	L'pool (Bidston)	C	cr6 r6	vcir6	q6 p6 q
9	Harrogate	cb	bbcc ir6	ccr6	cbp6
10	Spurn Head	bcc	bc	oqrr	prqc
	Catterick	cbcy	bccpr6	ccrrrr	cbcw
	Tynemouth	om6 cp	cbg	oirbc	bc
11	Inchkeith	bcc	crr	cbc	bcc
	Leuchars	bvcy	cyr6 ir	ccr6 m6 qc	coyp
12	Renfrew (Abbotsl.)	cbcc	cr6 r q m	rrqpr	cpr6 pr
	Eskdalemuir	bcyc	crr	orrrmc	cpr
13A	Tiree	crr	oRRbc	cPRq	cpr
13B	Stornoway				
15	Dalwhinnie	cpr rr	crr p r6	cpr	crr pr
	Aberdeen	bcc	rr	*	c
	Wick	bccq	c6 orr	orrqc	cbc
16	Lerwick	bcc	R K r6	iRbc	bcp r6 c
17	Blacksod Point	C	coir m6	coirrrm6	ocor
18	Malin Head	dd	iD	pr6 cq	pr6 bcq
	Aldergrove	cpr	cpr	cpr6	cpr
	Donaghadee	cr6	crrR4	cr6 cp	cbccp
19	Birr Castle	bccpr	r6 r6	c	cbcq
20	Valentia Obsy.	coir	oir	cor6	cbc
	Roches Point	cr6 ir6	cr6 ddic	cpr6 cbc	bcpr6 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/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 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.*

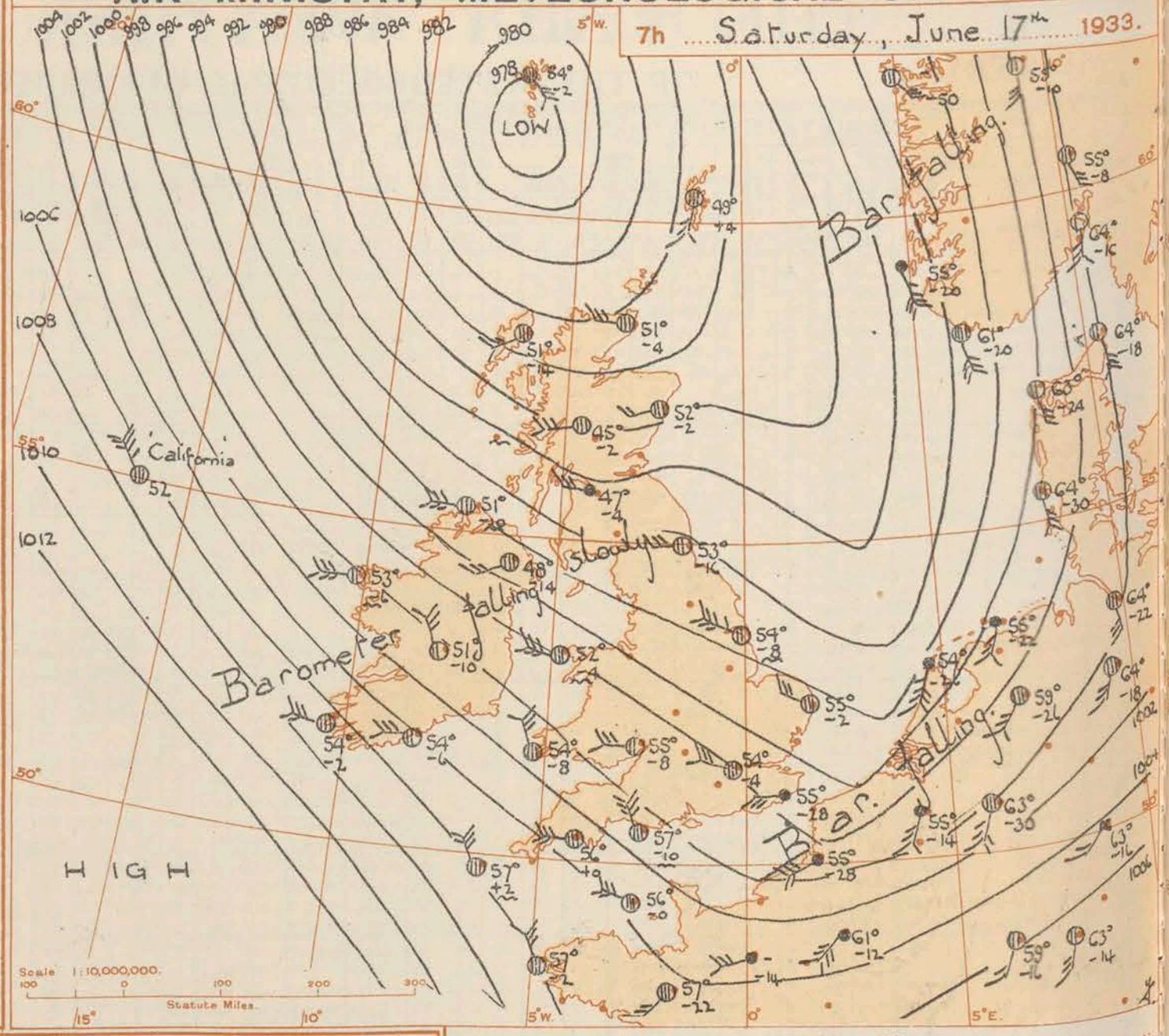
REPORTS from HEALTH RESORTS for 16th June 1933.

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.	b	b	52	76	–	–	9.2	13.6
	Bournemouth	b	b	53	73	–	–	10.4	11.7
	Ventnor ...	cbz	b	57	66	–	–	8.7	8.0
	Southsea ...	b	b	56	68	–	–	11.3	6.3
	Bognor Regis	b	b	57	69	–	–	11.5	12.2
	Littlehampton	b	bbc	56	69	–	–	11.6	12.3
	Worthing ...	b	b	58	69	–	–	11.3	12.2
	Brighton ...	b	b	55	69	–	–	11.0	13.3
	Eastbourne†	b	b	54	71	–	–	11.8	13.9
	Hastings† ...	b	b	56	72	–	–	11.8	14.4
	Folkestone ...	b	b	51	71	–	–	11.0	14.1
	Dover... ...	ybc	bc	51	69	–	–	11.0	13.7
	Deal	b	b	52	75	–	–	10.5	13.5
	Ramsgate ...	bcm	bcobrb	54	73	–	2	9.3	13.4
	Margate ...	bc	cpbc	54	77	–	0.2	8.5	14.9
2	Southend ...	cz	bcbbc	57	78	–	–	5.5	14.4
	Maldon ...	zb	bbc	52	78	–	–	6.7	14.3
	Clacton-on-Sea	bcbz	bcz	56	68	–	–	6.1	14.6
	Dovercourt ...	mbc	bcv	55	71	–	–	7.2	14.1
	Lowestoft ...	bcmc	bcbr	52	68	–	2	4.5	6.0
	Skegness ...	b	bco	58	74	–	–	9.2	11.9
	Mablethorpe	bcb	bbc	56	73	–	–	8.8	11.2
	Cleethorpes...	b	bco	58	74	–	–	7.8	9.9
3	Leamington S.	c	c	51	73	–	–	6.4	8.7
4	Cheltenham†	bc	bccb	51	68	–	–	7.4	8.8
5	Bath	b	bbcc	57	72	–	–	9.1	8.3
	Weymouth ...	bcb	bc	52	69	–	–	6.6	6.1
	Jersey ...	b	bc	56	67	–	–	10.8	14.5
	Torquay ...	c	cq	53	71	–	–	3.1	11.8
	Penzance ...	ocbc	cbo	55	66	1	–	1.2	11.3
	St. Ives ...	c	c	55	62	2	–	2.9	9.6
	Bude	bcc	c	58	64	0.1	–	3.8	11.6
	Ilfracombe ...	ocbc	bbcc	57	62	1	–	4.7	11.8
6	Aberystwyth	cmrc	c	56	62	0.3	–	0.8	11.2
7	Llandudno ...	bcc	crc	53	64	1	0.2	2.9	13.0
	Colwyn Bay...	c	cbcpc	54	66	0.3	0.3	1.7	10.8
	Rhyl	cbcc	cpsc	55	64	–	0.2	1.6	10.1
8	Wallasey ...	bccbc	cbcr	56	64	–	Tr	3.9	10.1
	Southport‖ ...	bc	bccog	57	63	1	Tr	4.1	11.9
	Blackpool ...	c	cop	56	63	–	Tr	3.4	11.5
	Morecambe ...	cbbc	c	56	61	–	–	1.5	11.9
9	Ilkley... ...	c	c	53	69	–	–	2.9	11.5
10	Berwick-on-T.	cbc	bcco	55	67	1	–	5.6	11.7
11	Dunbar ...	rc	cro	53	66	1	0.3	2.9	7.6
12	Troon... ...	roc	cor	52	58	1	1	1.0	1.2
	Douglas ...	cbcor	RRm	51	60	6	1	5.6	9.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‖ Min. Temp. 17h.-0h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday, June 17th 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. ∞ Haze.
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. 17th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate or fresh west to northwest wind; bright intervals and showers; moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands 10. N.E. England	Fresh west to northwest wind; strong locally; showers and bright intervals; 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	Wind west to northwest, strong at times; showers or occasional rain, bright intervals; moderate temperature.
16. Orkneys and Shetlands.	Wind southwesterly, strong at times, probably veering; occasional rain or showers; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh or strong west to northwest wind; showers or occasional rain, bright intervals; moderate temperature.

GENERAL INFERENCE.

A deep depression centred near the Faeroes is tending to move southeast. Showers will occur in most districts but there will be bright intervals.

FURTHER OUTLOOK.

Showers or occasional rain but bright periods.

Time of issue of Gale Warning.

South Cone at 1335 on 16th in districts 13A, 13B, 15, 16 and 17.

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 Saturday. 17th June. 1933.

HIGH. HIGH. HIGH. HIGH. HIGH. HIGH. HIGH. HIGH. HIGH.

LOW. LOW. LOW. LOW. LOW. LOW. LOW. LOW. LOW.

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 17th June 1933.

No. 26140

OBSERVATIONS at 1 hr. G.M.T. 17th June

District	Stations	Height above M.S.L. in feet. (1)	Baromn. at M.S.L. mb. (2)	Change in 3 hours. (3)	Wind. Direc. (4)	Wind. Force. 0-12 (5)	Weather. (6)	Temp. °F. (7)	% Humid. (8)	Visibility 0-9 (9)	Cloud. Form. Low (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0-10 (13)	Amount. Total 0-10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1003.0	-28	SW'S	4	fog	59	85	8	6	2	–	4-6	10	2500
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1003.8	-36	SW	4	fr	55	95	7	6	–	–	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1001.1	-24	W'S	3	fr	56	95	86	6	–	–	10	10	1500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1002.2	-34	SW	6	fr	58	95	6	5	–	–	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1006.0	-12	WSW	6	pr	57	95	7	5	–	–	10	10	2500
	Scilly (St. Mary's)	163	1006.6	-18	WNW	6	c	56	95	7	8	–	–	7-8	7-8	2500
	Guernsey	175	1006.8	-40	SW	5	dd	57	96	6	6	–	–	10	10	1500
6	Pembroke	142	1003.4	-6	WNW	4	c	54	85	7	5	5	–	4-6	7-8	2500
7	Holyhead	26	1001.5	-6	W'N	5	q	54	85	7	5	–	–	9	9	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	999.9	-24	SW	6	RR	54	95	6	6	–	–	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	994.8	-20	SW	2	bc	52	85	7	2	–	–	4-6	4-6	2500
11	Inchkeith	190	992.1	-10	WSW	5	bc	50	75	8	5	–	–	2-3	2-3	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts'n)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	*	-18	WSW	4	c/pr	48	95	7	9	6	–	4-6	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	986.5	-14	SW	4	bc	46	85	8	8	1	–	4-6	4-6	2500
16	Lerwick	54	986.5	-22	SW	5	o/c	50	95	6	6	–	–	10	10	800
17	Blacksod Point	18	1002.5	-4	WNW	6	q	55	85	8	8	–	–	7-8	7-8	450
18	Malin Head	52	995.5	-16	W	6	c/pr	51	75	7	9	–	–	9+	9+	1500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1007.3	-14	W	5	c	54	75	7	5	–	–	7-8	7-8	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 17th June

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)	997.7	+6	WNW	4	bc	56	75	8	8	-	1	4-6	4-6	2500	1	*
	Croydon	998.4	-4	W'N	4	c	54	85	8	5	7	-	4-6	9	900	1	*
	S. Farnborough	998.5	+4	WNW	4	bc	56	65	8	5	-	2	1	2-3	5700	1	*
	Winchester	998.0	+4	WNW	4	bc	56	65	8	1	7	-	2-3	4-6	2500	1	*
	Boscombe Down	999.2	+4	WNW	4	bc	55	55	7	7	9	-	2-3	4-6	4000	0	*
	Calshot, (S'thmtn)	999.3	+10	W	4	c	56	75	7	7	9	2	4-6	7-8	1500	1	*
	Dungeness	*	*	WSW	5	c	*	*	*	8	-	*	9+	9+	1500	*	3
	Lympne	997.0	-28	W'N	4	$d_o d_o$	55	95	6	6	-	-	10	10	150	1	*
2	Shoeburyness	996.8	-8	NW	3	c	56	75	8	5	4	-	7-8	9	1500	1	*
	Felixstowe	995.7	-16	W'N	3	c	56	75	7	5	-	-	9+	9+	1500	1	2
	Gorleston	995.2	-2	WNW	3	c	55	95	6	8	-	-	9	9	1500	1	2
	Cranwell	995.7	-4	WNW	4	bc	53	75	7	8	-	-	2-3	2-3	2500	1	*
3	Birmingham	998.0	-6	WNW	4	b	52	65	8	1	-	-	1	1	2500	1	*
	Upper Heyford	998.1	0	WNW	5	bc	54	65	8	7	3	1	4-6	4-6	1500	1	*
4	Ross-on-Wye	999.1	-8	W'N	4	bc	55	55	8	8	-	-	2-3	2-3	4000	0	*
5	Portland Bill	1000.3	-10	NW	6	c	57	75	7	5	4	2	4-6	7-8	2500	0	4
	Plymouth	1003.3	0	WNW	5	c/r	56	75	8	6	3	4	4-6	7-8	1500	1	2
	The Lizard	1005.0	0	WNW	4	c	56	75	8	8	-	-	9+	9+	2500	0	3
	Scilly (St. Mary's)	1005.5	+2	NW'W	5	c	57	75	7	2	-	-	7-8	7-8	2500	0	4
	Guernsey	1003.6	0	WNW	5	c	56	85	7	5	-	-	7-8	7-8	2500	1	3
6	Pembroke	1000.8	-8	NW	34	q	54	65	7	8	7	-	4-6	9	2500	0	2
7	Holyhead	999.2	-14	W'N	6	q	52	75	7	5	3	-	9	9	2500	1	4
	Chester (Sealand)	999.9	-10	W	5	c/pr	53	75	8	8	-	-	7-8	7-8	2500	1	*
8	L'pool (Bidston)	999.3	-6	W	6	q	52	75	8	8	-	-	7-8	7-8	2500	0	*
9	Harrogate	992.9	-20	SW	4	b	52	75	8	3	-	-	1	1	2500	1	*
10	Spurn Head	992.5	-8	WNW	7	bc	54	75	7	2	3	-	2-3	4-6	4000	0	5
	Catterick	992.5	-16	W'S	3	bc	52	75	8	7	6	-	4-6	4-6	2500	1	*
	Tynemouth	993.2	-16	W	3	bc	53	85	7	2	-	-	4-6	4-6	2500	1	1
11	Inchkeith	990.1	-4	WSW	5	c	50	75	8	5	2	-	4-6	9+	2500	0	3
	Leuchars	989.6	-2	WSW	4	jp	52	75	9	8	7	8	1	9+	2500	1	*
12	Renfrew (Abbotts'n)	991.9	-4	W'N	3	pr.	47	85	8	3	-	-	9	9	1500	1	*
	Eskdalemuir	991.5	-18	W	2	c/pr	46	85	8	8	2	3	4-6	9	1500	1	*
13A	Tiree	990.8	-8	WNW	3	c	50	75	8	8	7	-	7-8	7-8	1500	1	4
13B	Stornoway	*	-14	WSW	4	c/pr	51	85	8	9	7	-	4-6	9+	1500	1	3
15	Dalwhinnie	989.2	-2	W	4	c	45	85	8	4	4	-	4-6	7-8	1500	1	*
	Aberdeen	987.9	-2	WSW	2	c	52	75	8	2	9	-	2-3	7-8	4000	1	1
	Wick	985.4	-4	W	3	c	51	85	8	8	7	8	4-6	7-8	2500	1	2
16	Lerwick	984.9	+4	S'W	4	c	49	95	7	5	3	-	4-6	7-8	1500	1	*
17	Blacksod Point	1000.2	-6	W	6	q	53	75	8	3	-	-	4-6	4-6	450	0	4
18	Malin Head	993.3	-10	W	6	c/pr	51	85	7	9	8	-	7-8	9+	1500	1	4
	Aldergrove	996.0	-14	WSW	3	c/pr	48	85	8	9	-	-	9	9	800	1	*
	Donaghadee	995.0	+2	W	4	q	51	75	8	9	3	-	4-6	4-6	2500	0	3
19	Birr Castle	1001.2	-10	NW	4	bc	51	75	8	8	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.†	1007.2	-2	W'N	5	c	54	75	8	5	-	-	7-8	7-8	1500	1	3
	Roches Point	1004.7	-6	W	4	bc	54	75	8	3	-	9	2-3	4-6	1500	0	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 16 Hrs. (36)
1	London (Kew)	75	55	53	-	6	3.7
	Croydon	75	54	52	-	6	3.6
	S. Farnborough	76	54	52	Tr.	1-2	3.3
	Winchester	73	52	48	Tr.	1-2	7.9
	Boscombe Down	73	52	50	-	1-4	8.6
	Calshot, (S'thmtn)	72	55	54	-	3	11.0
	Dungeness	69	53	*	-	4-6	*
	Lympne	74	52	52	-	3	12.3
2	Shoeburyness	76	54	53	-	2	7.3
	Felixstowe	70	55	54	-	1	7.6
	Gorleston	67	54	54	Tr.	2-3	6.4
	Cranwell	74	50	47	-	3	8.4
3	Birmingham	71	49	45	-	2	7.2
	Upper Heyford	73	51	47	-	3	*
4	Ross-on-Wye	72	52	47	-	0.1	5.4
5	Portland Bill	62	52	*	-	1	*
	Plymouth	65	55	51	-	1	6.3
	The Lizard	65	54	*	-	0.4	*
	Scilly (St. Mary's)	64	55	*	Tr.	1-2	1.2
	Guernsey	67	56	55	-	1-2	12.6
6	Pembroke	58	52	*	Tr.	1-2	3.1
7	Holyhead	61	52	47	3	1-2	0.9
	Chester (Sealand)	65	48	45	0.4	1-2	1.9
8	L'pool (Bidston)	63	48	47	0.1	1-2	3.3
9	Harrogate	67	46	42	Tr.	2	6.5
10	Spurn Head	75	52	*	-	2	8.4
	Catterick	69	47	40	Tr.	3	5.2
	Tynemouth	67	48	43	Tr.	3	*
11	Inchkeith	64	48	46	1	Tr.	7.6
	Leuchars	68	45	40	2	0.3	7.6
12	Renfrew (Abbotts'n)	61	47	43	5	3	5.1
	Eskdalemuir	64	43	40	3	3	8.0
13A	Tiree	57	48	46	10	2	2.0
13B	Stornoway	57	47	*	1	7	1.9
15	Dalwhinnie	61	42	39	5	3	2.1
	Aberdeen	59	43	37	3	2	6.0
	Wick	59	44	*	3	3	*
16	Lerwick	56	48	*	0.4	7	5.1
17	Blacksod Point	60	50	*	4	2	*
18	Malin Head	57	46	*	3	5	0.8
	Aldergrove	57	47	40	6	3	0.6
	Donaghadee	62	47	*	3	1	*
19	Birr Castle	60	49	44	1	0.1	0.3
20	Valentia Obsy.†	60	53	47	7	0.2	0.4
	Roches Point	60	52	*	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. (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	bcy	bcy	bccoRR	75	55	53	-	6	9.7	•	•	8
Croydon	217	bc3.	bcy	cr3orrm	75	54	52	-	6	9.6	•	•	8
Greenwich (Royal Observatory)	149	bc	bcy	cd$_o$rrc	81	53	53	-	7	8.4	43	52	8
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	8.9	•	•	•
Westminster (St. James' Park)	27	•	•	•	77	55	55	10		9.3	35	51	•
‡Regents Pk. (Botanic Gardens)	168	•	•	•	77	54	53	10		9.0	69	59	•
Camden Square	110	bbc	bcc	•	78	53	53	-	9	•	•	57	•
Kensington	80	bc3	bc	•	77	54	53	-	10	9.4	At 18h. 53	•	•
Hampstead Observatory	450	bc	bc	•	77	50	49	-	7	8.8	47	57	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 17th

South Kensington. Max.	Time.	Min.	Time.
0.3	8h. 16th	Nil	11h. 16th to 5h. 17th

Kew Observatory. Max.	Time.	Min.	Time.
0.2	8h. 16th	0.1	0h. 4h. 17th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 16th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 17th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1003.9	N	2	c	72	1003.9	SW	6	r.r.	61
Brussels	1008.0	-	0	b	70	999.1	SW'S	4	rr	55
Berlin	1009.0	SSE	1	bc	72	1003.5	SE	1	b	66
Zürich	1011.0	SSW	1	c	50					
Rome	1014.6	NNW	2	c	86	1013.5	-	0	cd$_o$	63

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
77	57	-	-
75	55	-	1
73	54	-	-
73		-	
	61	-	0.6

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

Sunday 18E June 1933.

No. 26.141.

Diagram.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 17E June: 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)	OBSERVATIONS at 18h. G.M.T. 17E June: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0-12 (18)	Weather. (19)	Temp. °F. (30)	% 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. 17E (37)	13h.–18h. 17E (38)	18h. 17E to 1h. 18E (39)	1h.–7h. 18E (40)
1	London (Kew)...	9965	-10	WS	4	c	60	45	8	8	-	-	7-8	7-8	2500	9944	-12	WSW	4	bc	59	65	7	8	-	-	4-6	4-6	1500	1	*	cy	ctlprc	cbc	bcc
	Croydon ...	9973	-10	WS	4	c	61	45	8	7	3	-	7-8	7-8	2500	9964	-8	SWW	4	pr	55	75	8	8	7	-	4-6	7-8	2500	1	*	bcy	ctlrhapr	ctlrbc	bbc
	S. Farnborough	9964	-16	WNW	5	c|pr	67	35	8	9	-	3	9	9	2500	9956	-10	WS	4	bc	58	75	8	2	8	1	4-6	4-6	4000	1	*	bccpr	tlrhc	bcctrc	cbc
	Winchester ...	9985	-4	WN	4	pr	51	85	7	9	-	-	9	9	2500	9964	-2	W	6	c	58	65	8	8	-	1	4-6	7-8	2600	0	*	cycPRq	ctprc	crc cpc	c
	Boscombe Down	9985	-6	WNW	4	c|pr	58	45	8	7	-	-	7-8	7-8	2500	9963	-8	WN	5	c	57	65	8	7	1	-	7-8	7-8	2500	0	*	bccprq	cpr	cpr.	cbc
	Calshot, S'thmtn	9990	-6	WN	5	PR	57	65	8	8	-	-	7-8	7-8	4000	9968	0	WN	5	bc	61	55	8	4	-	-	4-6	4-6	4000	0	3	bcqpr	bcqy	bccpr	bcc
	Dungeness ...	*	*	WSW	4	c	*	*	7	8	-	*	9	9	1500	*	*	NW	4	c	*	*	7	8	7	*	4-6	7-8	1500	*	4	bc	bc	*	c
	Lympne ...	9968	-6	W	3	c	61	45	9	8	-	-	7-8	7-8	4000	9957	-6	WS	3	bc	54	65	9	3	9	1	1	4-6	4000	1	*	d.cbcvy	bcprqcv	bcvrrlbc	b, cv
2	Shoeburyness	9955	-6	WNW	3	bc	63	75	8	8	-	-	4-6	4-6	4000	9942	-10	WN	4	bc	63	65	8	8	7	-	4-6	4-6	2500	1	*	cbc	bcprtl	bcprbc	c
	Felixstowe ...	9948	-10	WNW	4	bc|pr	62	45	8	8	-	-	4-6	4-6	2500	9944	-2	NNW	2	tlh	49	85	7	9	-	-	9	9	800	1	2	cbcycrp	bcpttlhq	ctlprbc	c
	Gorleston ...	9937	-6	W	4	c	59	65	6	8	-	-	7-8	7-8	2500	9927	-6	SW	2	c|pr	54	75	6	8	-	-	9	9	2500	1	2	cbcq	cqpr	cprl	c
	Cranwell ...	9938	-6	W	6	pr	54	75	7	9	-	-	9	9	1500	9920	-4	WNW	4	c|pr	53	76	8	9	-	-	9	9	2500	1	*	Tlpr	cpr	c	corr
3	Birmingham ...	9962	-10	W	4	c|pr	56	65	8	8	-	-	7-8	7-8	2500	9951	-4	W	4	c	53	65	8	1	3	3	2-3	7-8	2500	0	*	bcpr	bcpr.	bcpr.	bccr.
4	Upper Heyford	9964	-14	WNW	5	pr.	55	75	8	8	-	-	9+	9+	2500	9949	-2	WNW	5	c|pr	56	65	8	8	7	3	2-3	9	2500	1	*	cprq	cqypr.	cbc	bcc
	Ross-on-Wye ...	9980	-6	WN	5	PR	51	75	8	9	-	3	7-8	9	4000	9965	-4	W	3	c	55	65	8	9	-	2	7-8	9	4000	0	*	p.bcybpc	bccqpc	cpbbcc	c
5	Portland Bill...	10001	-10	W	5	c	60	65	7	2	-	-	7-8	7-8	2500	9982	-6	NW	6	c	58	75	7	5	-	-	7-8	7-8	2500	0	4	c	c	c	c
	Plymouth ...	10024	-6	NW	4	bc|pr	56	65	8	8	-	-	4-6	4-6	2500	10006	-6	WNW	6	q	58	55	8	8	-	-	4-6	4-6	2500	1	3	cqypr	cqPRbq	bcqpr.	bccprq
	The Lizard ...	10045	-6	WN	6	q	57	65	7	8	6	-	7-8	7-8	2500	10029	-4	W	5	q	55	75	8	8	6	-	4-6	4-6	2500	0	3	cq	cqpr.	bcqpr	bcp.
	Scilly (St. Mary's)	10049	-6	NWW	6	c	60	65	7	8	-	-	7-8	7-8	2500	10036	-4	NWW	7	bc	57	55	7	8	6	-	4-6	4-6	2500	0	4	cbcc	cbc	bcp.	cp.q
	Guernsey ...	10035	-4	NW	5	c	59	75	7	5	-	-	9+	9+	1500	10017	-8	WNW	5	bc|pr	54	85	8	8	-	-	4-6	4-6	2500	1	3	bcoir	cPR	bccpr	bccpr
6	Pembroke ...	9994	-12	W	45	pr	56	65	7	5	7	-	2-3	7-8	4000	9985	-2	W	43	q	56	75	7	8	3	-	4-6	4-6	2500	0	3	cqprc	cqprbq	cqprpr.	cqprqc
7	Holyhead ...	9975	-8	WNW	6	pr.	53	75	6	9	-	-	9+	9+	1500	9962	-6	WNW	5	c|pr	53	75	7	3	-	-	9	9	2500	1	4	pr.q	qPR pr	pr.qc	cqrbc
	Chester (Sealand)	9951	-10	WN	6	pr.	55	65	8	8	-	-	9	9	2500	9942	-4	WNW	4	pr	50	85	7	9	-	-	9	9	800	1	*	cprq	cPRqt	prqir	r r.
8	L'pool (Bidston)	9942	-6	W	6	q	54	75	8	3	-	-	7-8	7-8	2500	9936	-2	W	5	q	52	75	8	9	-	1	4-6	4-6	2500	0	*	cqbcq	qbcqp.	cc OR	circrr
9	Harrogate ...	9919	-6	SW	5	b	55	65	9	3	-	-	1	1	2500	9910	-6	SW	4	bc	55	65	9	3	8	9	1	2-3	2500	0	*	cbqp	bcb	bcb	bcqr.
10	Spurn Head ...	9914	-6	WNW	7	q	55	85	7	3	2	-	7-8	9	1500	9905	-2	?	5	q	53	75	8	3	2	-	4-6	7-8	1500	0	3	cqtlpr	qtprc	cprq	qcorr
	Catterick ...	9906	-14	W	4	c|pr	57	55	8	3	-	3	7-8	7-8	4000	9898	-4	W	3	c	56	65	8	3	4	3	4-6	7-8	4000	0	*	bccpr	bccpr	cpr.	c
	Tynemouth ...	9901	-4	W	3	c|pr	52	75	6	9	-	-	7-8	7-8	1500	9892	0	-	0	ir	49	85	7	6	-	-	9	9	1500	1	0	bccp.	bcoiRtY	cirtlmc	coir
11	Inchkeith ...	9889	-10	SW	5	bc	56	55	8	2	-	-	4-6	4-6	2500	9881	-4	SW	5	c	54	75	8	8	4	-	7-8	9	2500	0	3	c.	c	corr	orrc
	Leuchars ...	9881	-14	WNW	5	bc	61	45	9	8	5	4	4-6	4-6	4000	9870	-2	W	5	c|pr	60	65	9	9	4	6	2-3	9	2500	0	*	bcvjpy	bcjpvy	cjpvc	c
12	Renfrew (Abbotts I.)	9903	-10	WSW	4	pr	56	65	8	9	-	-	10	10	1500	9897	-2	W	4	cjp	53	75	8	9	2	-	9	10	1500	1	*	cppq	cprp.	p.crc	cRR
	Eskdalemuir ...	9895	-16	WN	4	c|pr	54	55	8	8	-	3	7-8	7-8	1500	9889	-2	W	4	pr	49	75	8	8	3	3	4-6	9	1500	1	*	cprhpr	cpr	cprcrr	cccr
13A	Tiree	9900	-2	WN	5	c|pr	52	85	7	8	7	3	7-8	9+	1500	9882	-14	WN	6	ir	51	85	6	9	2	-	9+	10	1500	1	5	cPR	cirir	pRRcR	cR
13B	Stornoway ...	.	-6	WSW	5	pr	52	85	8	9	6	-	7-8	10	1500	.	-2	WNW	3	c	56	75	8	8	6	1	4-6	7-8	1500	1	1	cprq	cpr	cprbc	bccpr
15	Dalwhinnie ...	9881	-6	SW	3	c	52	65	8	4	4	-	4-6	7-8	2500	9873	-2	W	4	c	50	75	8	3	2	-	4-6	10	800	0	*	bc	c	*	ic
	Aberdeen ...	9863	-14	SE	3	bc	58	55	8	8	9	-	4-6	4-6	4000	9858	-2	WNW	2	pr	53	65	7	3	7	-	9	9+	4000	1	1	bcy	cprbc	cprbc	bc
	Wick	9845	-4	SW	4	c	57	75	8	8	1	-	4-6	7-8	2500	9837	-4	SW	3	c	55	75	8	8	1	-	4-6	7-8	2500	1	2	cprc	cprc	c	c
16	Lerwick ...	9859	+4	SSE	2	c	53	85	8	2	-	9	2-3	7-8	1500	9859	0	SSE	2	c	52	55	9	2	-	8	2-3	7-8	1500	0	*	c	c	c	cpr.
17	Blacksod Point	9999	-2	WNW	7	q	54	75	8	8	-	-	9	9	220	10002	0	WNW	7	PR	52	85	7	8	-	-	10	10	4150	1	6	PRcq	PRcq	PRcq	prccq
18	Malin Head ...	9926	0	WNW	7	pr	53	75	7	9	9	-	7-8	9+	1500	9919	-4	WN	6	pr	51	85	7	9	2	-	7-8	10	1500	1	4	cpr	cpr	crr	cpr
	Aldergrove ...	9941	-8	WNW	4	c|pr	52	85	8	9	2	-	9	9+	800	9935	-2	WNW	4	c|pr	52	75	8	8	-	1	9+	9+	1500	1	*	cPRht	cprcr	cpcr	crr
	Donaghadee ...	9929	-10	WNW	2	bc|pr	55	85	8	9	-	-	4-6	4-6	1500	9926	-2	NNW	4	pr	51	85	8	9	-	-	7-8	7-8	1500	1	2	bcpr.	bccpr	cprcq	circq
19	Birr Castle ...	9994	-8	NW	4	pr	56	65	7	9	2	-	9	10	2500	9993	0	NW	5	pr	53	65	7	3	-	-	9+	9+	2500	1	*	cpr	cpr	cpr	cprc
20	Valentia Obsy.	10067	-2	WN	5	c	54	65	8	5	-	-	9	9	1500	10063	-2	WNW	5	cjp	54	75	8	9	-	-	9+	9+	2500	1	3	c	cprcpr	cprcpr	cprccy
	Roches Point...	10029	-10	NW	6	q	57	65	8	6	-	-	4-6	4-6	1500	10012	-10	N	6	q	57	65	8	6	-	-	4-6	4-6	1500	0	4	bcp.q	bcp.a	bcpqb	bcybc

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.
n, 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.

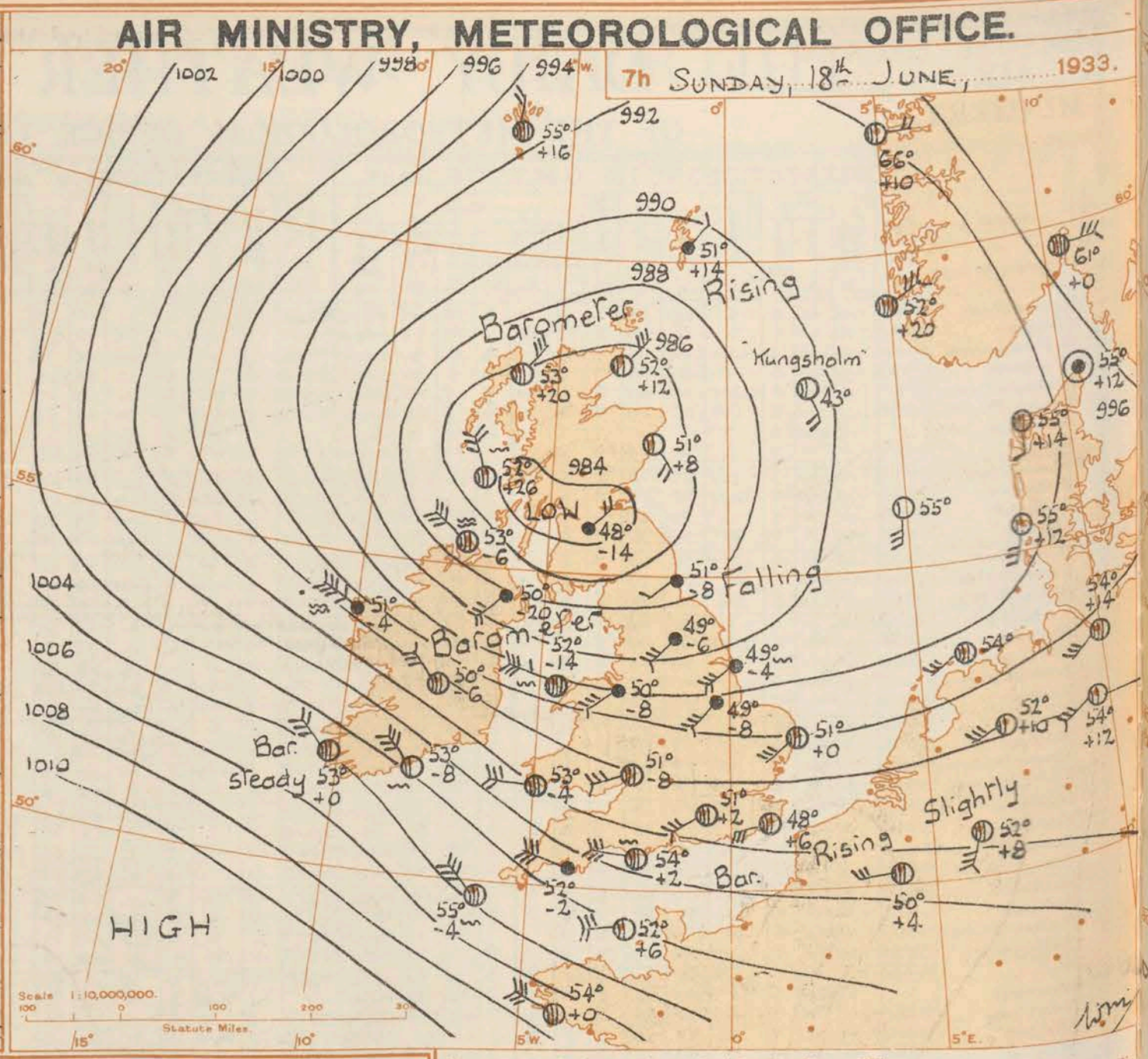
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 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 17th June 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.	bcc	opcbc	54	62	4	Trace	5·3	10·8
	Bournemouth	bcp	bc	53	64	1	0·3	7·0	10·9
	Ventnor ...	pc bc	cbc	54	62	3	-	7·3	9·4
	Southsea ...	corcb	bbcb	56	64	3	-	8·0	12·3
	Bognor Regis	bc	bcpr	55	64	4	Trace	8·8	12·6
	Littlehampton	bc	bcpbc	54	64	5	0·4	6·7	12·8
	Worthing ...	cbc	bcpthc	55	65	5	1	7·2	12·7
	Brighton ...	cbcb	bcpc	55	66	3	1	6·8	12·4
	Eastbourne†	cbc	bcr.thr	52	63	6	1	7·5	13·4
	Hastings† ...	bcbc	bccpd	53	64	5	0·3	6·1	13·6
	Folkestone ...	rbcc	bccr.	54	64	8	Trace	5·9	11·0
	Dover... ...	c	crqbc	55	65	9	1	3·7	12·4
	Deal	rocbc	bcp.c	54	64	4	-	4·0	12·1
	Ramsgate ...	bc	bcdir	55	63	6	3	5·9	10·7
	Margate ...	cbc	bcchir	54	64	7	0·5	6·0	10·2
2	Southend ...	cbc	bcbrp	55	65	5	3	5·7	6·3
	Maldon ...	rcb	ptbc	54	65	5	1	5·9	7·1
	Clacton-on-Sea	corrbc	bcdbc	54	64	8	0·3	5·8	6·6
	Dovercourt ...	rbcv	bcvlrbc	54	63	8	0·5	6·9	7·4
	Lowestoft ...	cbc	ctlr	54	64	8	3	4·7	4·8
	Skegness ...	bcom.	rotlbc	52	60	5	3	8·5	9·3
	Mablethorpe	ctlr	ctlr	52	59	5	2	6·5	9·3
	Cleethorpes...	bc	bclrpc	52	60	4	2	8·7	7·8
3	Leamington S.	bcpr	bcpr	50	61	2	0·1	8·3	6·4
4	Cheltenham†	bccp.	cpc	51	61	1	1	6·9	7·4
5	Bath	cbpc	cbcp.	55	61	Trace	1	7·0	9·1
	Weymouth ...	cbcb	bpbc	53	65	2	Trace	7·1	6·6
	Jersey ...	rc	bcrbc	56	61	1	1	3·2	12·3
	Torquay ...	bcqbcp	bcqq	54	62	0·2	0·2	6·5	3·1
	Penzance ...	cbc	bc	53	65	1	-	10·3	1·2
	St. Ives ...	p	p	54	59	Trace	4	3·3	2·9
	Bude	mpbc	bc	53	60	2	0·5	5·8	3·8
	Ilfracombe ...	bc	bbcc	56	58	3	-	6·4	4·7
6	Aberystwyth	oirc	cpr	53	57	4	4	0·6	0·8
7	Llandudno ...	bcp.	cp.	51	58	1	0·6	3·0	2·9
	Colwyn Bay...	bcpbc	bcc	50	59	3	0·3	4·3	1·7
	Rhyl	prcbc	r.bcc	51	59	2	Trace	4·4	1·5
8	Wallasey ...	cqbcc	cbccp	51	60	3	Trace	6·5	3·9
	Southport‖ ...	bc(n)	bc	51	57	6	3	5·3	4·1
	Blackpool ...	cp	cp	50	57	9	3	4·2	3·4
	Morecambe ...	cbbcb	crb	52	57	5	3	3·8	1·5
9	Ilkley... ...	cbrc	bcpr	48	58	3	3	3·3	2·9
10	Berwick-on-T.	orc	ctlrc	46	61	1	1	7·6	5·6
11	Dunbar ...	r bc	bc	46	63	3	-	10·9	3·1
12	Troon... ...	roc	rourc	49	56	4	0·3	3·6	1·2
	Douglas ...	bccbc	iRobin	45	55	7	3	5·8	5·6

† 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 4/10 to 5/10 clouded. ◕Sky 6/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✳Sleet ▲Hail ≡Fog. ≡Mist. ϒThunder. ϒ Thunderstorm. ∝ Haze.
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. 18th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Moderate to fresh southwest to west winds; cloudy with rain; cool.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales ▲	Fresh to strong westerly winds, moderating and veering later; cloudy with rain; cool.
8. N.W. England 9. N Midlands 10. N.E. England	Light to moderate variable winds becoming moderate north to northeast; cloudy with rain at first, showers and bright intervals later; cool.
11. S.E. Scotland	As 14 - 16.
12. S.W. Scotland & Isle of Man ⚜	As 8 - 9.
13. A. W Scotld. ⚜ B. N W. Scotland. ⚜	Fresh to strong northerly winds, veering and moderating; mainly cloudy; local showers; cool.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northeasterly winds; mainly cloudy, with local showers; cool.
17. N.W. Ireland ⚜ 18. N.E. Ireland ⚜	As 13.
19. S.E. Ireland ⚜ 20. S.W. Ireland	Fresh to strong northwesterly winds, veering and moderating later; cloudy with rain ; cool.

GENERAL INFERENCE.

A deep depression over Scotland is moving southwards while an associated trough extends over the North Sea to Denmark. Weather will be mainly cloudy and cool with showers in the North and rain at first in England and Ireland. The strong winds in western districts will tend to moderate.

FURTHER OUTLOOK.

Unsettled and cool with north to northeast winds and mainly cloudy weather.

Time of issue of Gale Warnings.

⚜ South Cone at 1335 on 16th in Districts 12, 13A., 13B., 17, 18 and 19.

▲ North cone at 0230 on 18th in District 7.

Forecasts issued at 1200 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
Sunday.
18th June.
1933.

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

Clarke's Projection Scale 1 : 4 × 10⁷ along meridian 102.5° W

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

Sunday 18th June 1933.

No. 26.141

OBSERVATIONS at 1 hr. G.M.T. 18th June

District	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	997.0	+4	WSW	3	b	49	85	7	-	7	-	0	1	—
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	997.0	+4	W	3	c	48	95	8	8	-	2	7-8	9	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	993.4	0	WSW	3	c	49	95	8	8	-	-	9+	9+	2500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	999.5	+10	WNW	6	bc	54	75	8	5	-	-	4-6	4-6	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1003.4	-2	WNW	6	q	52	75	8	8	-	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	1004.6	+2	NW'W	6	bc	54	75	8	2	-	-	4-6	4-6	2500
	Guernsey	175	1002.0	0	W'N	5	PR	52	93	8	6	-	-	10	10	2500
6	Pembroke	142	999.0	+2	WNW	6	q	52	75	7	8	5	-	4-6	7-8	1500
7	Holyhead	26	996.1	-4	W'N	7	c/pr	51	85	7	9	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	999.7	0	WNW	6	q	51	85	7	3	2	-	4-6	7-8	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	7-8	7-8	1500
	Tynemouth	100	998.2	-6	W	3	c	49	95	7	6	-	-	7-8	7-8	1500
11	Inchkeith	190	996.3	-12	SW	4	rr	49	95	8	6	-	-	10	10	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	-	-6	-	0	bc	48	95	8	9	7	-	4-6	4-6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	994.2	0	SE	3	c	50	95	8	8	5	-	4-6	7-8	1500
16	Lerwick	54	997.3	+6	NNE	1	c	48	95	8	8	7	-	2-3	7-8	1500
17	Blacksod Point	18	999.6	-4	WNW	7	q	51	75	7	8	-	-	9	9	<150
18	Malin Head	52	998.9	-20	W	7	rr	51	95	6	6	2	-	7-8	10	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1006.1	-14	WN	6	v	50	95	6	9	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th June

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)	996.2	0	W	3	c	52	75	8	7	7	1	4-6	9	2500	0	*
	Croydon	997.1	+2	WSW	4	c	51	75	8	5	7	9	1	9	5700	1	*
	S. Farnborough	996.2	-2	W	4	c	54	75	8	7	3	-	4-6	7-8	5700	1	*
	Winchester	996.9	-2	WSW	3	c	52	75	8	8	5	-	2-3	9	2500	0	*
	Boscombe Down	997.0	0	W'N	4	c	52	75	8	8	-	-	7-8	7-8	2500	0	*
	Calshot (S'thmtn)	997.6	+2	WSW	4	c	53	85	8	8	4	-	4-6	7-8	4000	0	2
	Dungeness	*	*	W	4	c	*	*	7	8	8	*	4-6	9	800	*	3
	Lympne	997.2	+6	W	3	c	48	85	9	8	7	2	2-3	9+	4000	1	*
2	Shoeburyness	995.5	+2	WSW	3	c	51	85	8	8	7	-	4-6	9+	2500	0	*
	Felixstowe	995.0	+4	WSW	4	c	51	75	8	8	7	-	4-6	9	2500	1	2
	Gorleston	993.1	0	WSW	3	c	51	75	7	8	-	-	7-8	7-8	2500	0	2
	Cranwell	992.1	-8	SW'W	4	c6	49	95	6	6	1	-	7-8	10	800	1	*
3	Birmingham	994.5	-4	WSW	4	c6	48	95	8	6	-	-	9+	9+	800	1	*
	Upper Heyford	994.9	-2	W	4	c	51	75	8	5	2	-	4-6	10	1500	1	*
4	Ross-on-Wye	995.9	-8	W	4	c	51	75	8	6	1	-	9+	10	2500	0	*
5	Portland Bill	998.7	+2	WNW	6	c	54	75	8	4	4	-	7-8	9	2500	0	4
	Plymouth	1001.0	-2	WNW	6	pr	52	75	8	9	-	8	7-8	9	1500	1	3
	The Lizard	1002.6	-2	NW'W	6	q	54	75	8	8	6	-	4-6	7-8	1500	0	3
	Scilly (St. Mary's)	1003.6	-4	NW	6	q	55	65	7	8	6	-	7-8	9	2500	1	4
	Guernsey	1002.0	+6	WNW	5	bc/pr	52	85	7	6	-	-	4-6	4-6	2500	1	3
6	Pembroke	997.9	-4	WNW	6	q	53	75	7	8	5	-	4-6	7-8	1500	1	3
7	Holyhead	993.2	-14	W'N	7	c/q	52	85	7	6	-	-	10	10	1500	1	4
	Chester (Sealand)	997.7	-8	W'S	4	c6	50	85	6	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	990.4	-10	W'S	6	rr	49	95	6	6	-	-	10	10	800	2	*
9	Harrogate	988.4	-6	SW'S	4	r6	49	95	9	3	7	-	2-3	9+	2500	0	*
10	Spurn Head	989.8	-4	WSW	5	rr	49	95	6	6	-	-	10	10	1500	1	4
	Catterick	988.9	-14	WSW	4	c	52	75	8	7	6	-	4-6	7-8	1500	0	*
	Tynemouth	988.1	-8	WSW	1	ir	51	95	7	6	-	-	10	10	1500	1	1
11	Inchkeith	986.6	-4	SW	2	c	51	85	8	8	-	-	10	10	2500	0	1
	Leuchars	986	-2	E	1	c	51	85	8	8	-	3	7-8	7-8	4000	0	*
12	Renfrew (Abbotts I.)	983.8	-12	ENE	2	rr	49	95	6	9	-	-	10	10	800	1	*
	Eskdalemuir	984.4	-14	SW	2	c/r	48	95	7	5	1	-	9	10	1500	1	*
13A	Tiree	984.7	+16	NNW	5	c	52	85	7	8	3	3	4-6	7-8	1500	1	4
13B	Stornoway		+20	NNE	3	c	53	85	8	8	6	-	4-6	9	1500	1	1
15	Dalwhinnie	984.8	0	NE	1	c	48	95	7	*	2	-	4-6	9	1500	1	*
	Aberdeen	985.6	18	SE	2	bc	51	85	8	8	8	-	2-3	4-6	4000	1	1
	Wick	985.7	+12	ENE	3	c	52	95	8	8	1	-	7-8	9	1500	1	2
16	Lerwick	988.7	+14	NNE	1	pc	51	95	8	8	7	-	7-8	-	800	0	*
17	Blacksod Point	997.5	-4	WNW	8	rr	51	85	7	6	-	-	10	10	<150	1	6
18	Malin Head	996.7	-6	NNW	6	c/p	53	85	6	9	-	-	9+	9+	800	1	5
	Aldergrove	998.5	-20	WSW	5	rr	50	95	7	6	-	-	10	10	800	1	*
	Donaghadee	996.7	-14	WNW	4	r6	50	85	7	6	-	-	9	9	800	1	3
19	Birr Castle	997.1	-6	NW	4	c	50	75	8	6	2	-	9	10	2500	1	*
20	Valentia Obsy.†	1004.7	0	WNW	5	c/pc	53	65	8	8	-	-	9+	9+	2500	1	3
	Roches Point	1001.3	-8	NW	6	bc	53	75	8	3	-	4	2-3	4-6	1500	0	4

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 17th Hrs. (36)
1	London (Kew)	62	49	44	0.6	-	8.6
	Croydon	63	47	44	2	0.2	7.3
	S. Farnborough	67	46	35	9	0.3	7.7
	Winchester	62	44	41	1	0.4	9.3
	Boscombe Down	61	44	41	0.2	Tr	9.2
	Calshot (S'thmtn)	64	46	44	0.1	1	9.3
	Dungeness	66	42	*	0.2	2	7.3
	Lympne	63	45	42	1	1	7.8
2	Shoeburyness	65	47	46	0.6	Tr	7.5
	Felixstowe	63	47	45	3	0.2	5.9
	Gorleston	62	46	44	2	4	5.8
	Cranwell	59	46	44	2	2	8.2
3	Birmingham	57	45	42	0.2	1	9.5
	Upper Heyford	62	43	38	1	-	*
4	Ross-on-Wye	62	48	43	0.4	0.3	7.0
5	Portland Bill	60	52	*	-	-	*
	Plymouth	59	50	47	1	0.6	8.2
	The Lizard	59	50	*	Tr	2	*
	Scilly (St. Mary's)	60	54	*	-	0.4	11.6
	Guernsey	63	51	47	4	2	7.1
6	Pembroke	59	49	*	1	1	7.5
7	Holyhead	56	51	49	2	0.2	3.9
	Chester (Sealand)	59	49	46	1	4	6.2
8	L'pool (Bidston)	56	47	45	Tr	6	7.4
9	Harrogate	58	46	42	Tr	Tr	10.1
10	Spurn Head	59	47	*	1	0.6	9.3
	Catterick	60	46	43	0.1	Tr	7.0
	Tynemouth	57	48	44	6	2	*
11	Inchkeith	59	48	46	-	1	7.4
	Leuchars	64	46	39	Tr	-	7.5
12	Renfrew (Abbotts I.)	57	48	45	2	17	3.9
	Eskdalemuir	57	44	43	1	13	5.1
13A	Tiree	55	50	49	2	8	3.4
13B	Stornoway	56	47	*	3	4	4.5
15	Dalwhinnie	55	39	34	Tr	1	4.4
	Aberdeen	62	42	40	2	1	6.2
	Wick	58	49	*	1	-	*
16	Lerwick	53	48	*	-	0.1	11.7
17	Blacksod Point	58	47	*	4	2	*
18	Malin Head	54	49	*	4	5	3.2
	Aldergrove	56	49	46	5	6	2.8
	Donaghadee	56	48	*	5	2	*
19	Birr Castle	59	48	44	12	0.3	7.0
20	Valentia Obsy.†	57	51	46	Tr	1	2.4
	Roches Point	60	50	*	0.1	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 (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	cy	ctprc	cbcc	62	49	44	0.6	-	8.6	*	*	8
Croydon	217	bcy	ctrhypr	ctlcbbc	63	47	44	2	0.2	7.3	*	*	8
Greenwich (Royal Observatory)	149	cbc	bcctp	cbtlbc	65	47	39	Tr	1	7.4	81	67	6
City (Bunhill Row)	—				*	*	*	*	*	8.2	*	*	*
Westminster (St. James' Park)	27				64	49	45	0.6		8.3	61	61	*
†Regents Pk. (Botanic Gardens)	168				63	48	43	1		8.2	59	71	
Camden Square	110	cbc	bccp		64	48	45	0.5	-	*	*	69	*
Kensington	80	bcp	bc		64	48	42	0.3	1	8.5	At 18h. 63		*
Hampstead Observatory	450	bc	bcp	bcp	61	45	39	-	0.6	9.0	64	81	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Th. G.M.T. 18th June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	999.5	W	6	c/pr	59					
Brussels	995.1	SW	1	c	55					
Berlin	995.3	SW	2	c	68	995.6	W	1	c	57
Zürich	1001.6	WNW	3	cr	57					
Rome	1010.2	S	2	c	66	1006.6	WSW	3	c	66

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 18th

South Kensington. Max.	Time.	Min.	Time.
<0.3	8-12h 17th, 2-4h 18th	Nil	13h 17th – 1h 18th, 5-7h 18th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	7h. 17th	<0.1	23h 17th – 3h 18th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
63		3	
61		tr	
70	53	-	4
73		1	
72	59	-	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	55–65
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 ,,	5½ ,,
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; 6/8 per quarter; 26/- per year.

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 9 h.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 19th June 1933.

No. 26.142

OBSERVATIONS at 13h. G.M.T. 18th June

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)	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)...	994·7	-10	WSW	3	pr$_o$	55	76	8	8	3	3	7-8	9+	2500
	Croydon ...	995·9	-6	SWW	3	c/r	55	85	8	9	7	-	4-6	7-8	1500
	S. Farnborough	995·2	-6	W	3	ir	55	86	8	9	2	-	7-8	10	2500
	Winchester ...	995·8	-8	W'S	4	c/pr	53	85	8	8	7	-	4-6	9+	2500
	Boscombe Down	995·9	-4	W	5	c/pr	52	95	7	6	1	-	9	10	800
	Calshot, S'thmtn	996·9	-2	W	4	c/pr	54	75	8	8	2	-	7-8	10	2500
	Dungeness ...	*	*	WSW	6	c Q	*	*	7	9	6	*	4-6	9	800
	Lympne ...	996·2	-2	W'N	3	pr$_o$	52	75	7	9	3	-	7-8	9+	2500
2	Shoeburyness	995·1	0	W	2	c/r	55	75	8	8	2	-	7-8	10	1500
	Felixstowe ...	994·2	-4	SW	4	ir	54	76	7	6	2	-	4-6	10	1500
	Gorleston ...	993·8	-4	WSW	4	c/pr	56	65	7	8	-	-	9+	9+	2500
	Cranwell ...	996·8	-6	WSW	4	pR	52	95	6	6	2	-	9	10	800
3	Birmingham ...	992·4	-8	WSW	4	pR	53	76	8	9	-	-	9+	9+	1500
	Upper Heyford	993·7	-10	SW'W	4	c/pr	54	75	8	7	7	-	4-6	9+	1500
4	Ross-on-Wye ...	994·0	-10	W	5	c q	55	65	8	8	-	-	10	10	2500
5	Portland Bill...	997·1	-12	WNW	6	c	58	75	7	5	-	-	9	9	2500
	Plymouth ...	1000·2	-2	WNW	7	c/pr	56	65	8	8	-	3	9	9	2500
	The Lizard ...	1001·8	-2	W'N	6	c q	57	75	8	8	6	-	4-6	7-8	2500
	Scilly (St. Mary's)	1002·8	-2	NW	7	c/pr	58	75	7	8	6	-	4-6	7-8	2500
	Guernsey ...	1001·8	-2	NW	4	c/pr	56	85	8	8	-	-	9	9	2500
6	Pembroke ...	996·3	-6	W	6	c/pr	54	75	7	9	2	-	4-6	9+	1500
7	Holyhead ...	997·3	-10	W	7	cq	57	75	7	6	3	8	4-6	9+	1500
	Chester (Sealand)	999·7	-12	WSW	4	ir$_o$	55	75	8	6	-	1	9	9	1500
8	L'pool (Bidston)	998·5	-2	W'S	6	iR	52	95	7	6	2	-	7-8	10	800
9	Harrogate ...	997·3	0	SSW	4	PR	55	85	8	9	-	-	10	10	2500
10	Spurn Head ...	998·7	-2	SWW	5	ir$_o$	56	85	7	3	2	-	4-6	9	2500
	Catterick ...	995·4	-8	SW	3	c	56	75	8	8	-	-	7-8	7-8	2500
	Tynemouth ...	996·0	+4	S	2	rr	52	95	7	6	-	-	10	10	1500
11	Inchkeith ...	996·1	+10	NE	4	bc	57	75	8	2	6	1	4-6	4-6	4000
	Leuchars ...	997·5	+14	ENE	4	c	57	75	8	7	3	-	7-8	9	1500
12	Renfrew (Abbotts I.)	996·3	+19	NEN	3	pr$_o$	57	75	8	8	-	-	9	9	2500
	Eskdalemuir ...	994·0	+4	NE	2	c/p	57	65	9	9	-	3	9	9	1500
13A	Tiree	999·3	+16	NNW	4	c	56	85	9	2	4	3	1	7-8	2500
13B	Stornoway ...		+18	ENE	5	bc	57	85	8	8	-	1	2-3	4-6	1500
14	Dalwhinnie ... §	998·6	+20	NE	2	c	50	85	8	4	1	-	4-6	10	2500
	Aberdeen ...	999·2	+18	NE	4	bc/p	56	65	8	3	8	-	4-6	4-6	4000
	Wick	996·2	+20	ENE	3	bc	54	85	8	1	4	-	2-3	4-6	2500
16	Lerwick ...	992·6	+16	ENE	2	c/pr	52	95	8	8	2	-	4-6	9+	1500
17	Blacksod Point	1008·1	+4	WNW	8	cq	57	75	8	3	8	-	7-8	7-8	220
18	Malin Head ...	999·7	+18	NW	6	c	55	85	7	9	-	-	7-8	7-8	1500
	Aldergrove ...	999·2	+6	NW	5	c	57	75	8	3	-	3	9	9+	1500
	Donaghadee ...	997·2	+10	N	3	bc	59	75	8	8	3	2	4-6	(4-6)	2500
19	Birr Castle ...	996·0	-2	NW	5	p	54	85	7	9	-	-	9+	9+	2500
20	Valentia Obsy.	1004·1	+2	WNW	5	c/p	56	65	8	6	-	-	9+	9+	1600
	Roches Point...	1000·2	-0	NW	5	c/pr	57	75	8	6	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 18th June

Dist.	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)...	993·2	-6	WSW	4	c/pr	57	75	8	8	-	3	7-8	9+	2500	1	*
	Croydon ...	994·2	-4	WSW	4	pr.	54	85	7	9	1	-	7-8	9	1500	1	*
	S. Farnborough	993·8	-4	WSW	4	pr	54	86	7	6	-	-	9+	9+	1500	1	*
	Winchester ...	994·3	-4	W'S	3	pr	53	85	8	9	2	-	9	9+	1500	1	*
	Boscombe Down	994·2	-6	W	4	Jp	53	85	7	6	1	-	9	9+	800	1	*
	Calshot, S'thmtn	995·0	-8	W'S	3	c/pr	56	75	8	8	-	-	9	9	2500	1	2
	Dungeness ...	*	*	SW	6	cq	*	*	6	9	6	*	4-6	7-8	800	*	4
	Lympne ...	995·0	-6	WSW	4	c	55	75	9	8	6	2	7-8	9	2500	1	*
2	Shoeburyness	992·9	-10	WSW	4	c/r	55	85	7	8	7	3	7-8	9	1500	1	*
	Felixstowe ...	992·8	-4	SSW	3	c/r	52	85	5	9	-	-	7-8	7-8	800	2	2
	Gorleston ...	992·2	0	SSE	2	pr	53	85	6	8	-	-	9+	9+	1600	1	2
	Cranwell ...	989·1	-8	SW	3	c/pr	58	85	8	9	3	1	4-6	4-6	1500	1	*
3	Birmingham ...	991·0	-6	WSW	3	c/pr	53	85	8	6	3	-	4-6	7-8	1500	1	*
	Upper Heyford	992·1	-14	WSW	4	jp	55	75	8	7	7	-	7-8	9+	2500	1	*
4	Ross-on-Wye ...	992·6	-12	W	3	c	55	65	8	8	6	-	9+	9+	2500	0	*
5	Portland Bill...	995·7	-16	WNW	6	c	57	75	7	5	-	-	7-8	7-8	2500	0	4
	Plymouth ...	~~995·8~~ 998·8	-6	WNW	6	c/pr	56	75	8	8	-	-	7-8	7-8	1500	1	3
	The Lizard ...	1000·6	-4	W'N	6	cq	56	75	7	8	6	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	1001·7	-4	WNW	6	cq	57	75	6	2	5	-	4-6	7-8	4000	0	4
	Guernsey ...	1000·3	-2	WNW	6	pR	54	85	6	6	-	-	7-8	7-8	1500	1	3
6	Pembroke ...	994·6	0	WNW	~~5~~ 4	c/pr	55	75	7	5	9	-	4-6	7-8	1500	1	3
7	Holyhead ...	995·6	+10	WNW	6	c/pr	55	75	8	4	-	-	9+	9+	4000	1	3
	Chester (Sealand)	999·2	+4	WNW	6	c	57	75	8	9	-	3	7-8	9	1500	1	*
8	L'pool (Bidston)	998·2	-2	W	6	q	54	85	8	8	7	-	4-6	7-8	1500	1	*
9	Harrogate ...	996·7	0	?	1	PR	51	95	7	9	-	-	9+	9+	2500	1	*
10	Spurn Head ...	998·1	-2	SSW	5	c	56	85	7	3	7	-	4-6	9+	2500	0	3
	Catterick ...	995·7	+6	SE'E	2	bc	56	75	8	8	-	4	4-6	7-8	1500	0	*
	Tynemouth ...	997·7	+8	E	2	bc	54	95	7	2	-	-	4-6	4-6	2500	1	1
11	Inchkeith ...	998·5	+10	NE	4	c	54	85	8	8	-	-	9	9	2500	0	3
	Leuchars ...	999·9	+16	NE	4	c/pr	55	85	8	9	7	~~8~~	4-6	9	1500	1	*
12	Renfrew (Abbotts I.)	999·2	+18	NNW'N	2	ir$_o$	52	95	8	9	7	-	7-8	9+	1500	1	*
	Eskdalemuir ...	997·2	+14	N'E	2	pr$_o$	53	75	9	8	-	-	7-8	7-8	4000	1	*
13A	Tiree	994·4	+12	N	4	c	56	75	8	5	9	-	4-6	9	2500	0	4
13B	Stornoway ...		+14	NE	4	bc	56	85	8	8	9	-	2-3	4-6	1500	1	2
14	Dalwhinnie ... §	999·6	+16	NE	2	c	51	75	8	3	4	-	4-6	10	2500	1	*
	Aberdeen ...	999·4	+14	NE	3	c	55	75	8	8	9	-	4-6	7-8	4000	0	2
	Wick	999·1	+14	ENE	3	bc	53	95	8	1	1	-	2-3	2-3	4000	0	2
16	Lerwick ...	995·1	+16	ESE	3	c	54	85	9	5	5	-	4-6	7-8	1500	0	*
17	Blacksod Point	997·3	-2	NW	6	iR	52	95	7	6	-	-	10	10	<150	1	5
18	Malin Head ...	995·1	+4	NNW	4	bc	55	85	7	2	8	-	4-6	4-6	2500	0	4
	Aldergrove ...	995·1	+10	NW	5	c	55	75	8	8	-	3	4-6	4-6	2500	1	*
	Donaghadee ...	993·7	+6	N	3	c	57	65	8	5	3	-	4-6	7-8	1500	0	2
19	Birr Castle ...	995·6	-2	NW	5	c	57	75	8	8	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	1002·5	-10	WNW	5	c	54	75	8	5	-	-	9+	9+	1500	1	3
	Roches Point...	999·7	-8	W'S NW	5	c	56	75	8	3	-	-	7-8	7-8	1500	0	4

PAST 24 HOURS.

Weather. 7h.–13h. 18th (37)	Weather. 13h.–18h. 18th (38)	Weather. 18h. 18th to 1h. 19th (39)	Weather. 1h.–7h. 19th (40)
cir$_o$PRq	cPRjpr	cpr	cpr
cr$_o$r$_o$	cPRq	cpr$_o$c	cr$_o$r$_o$c
bc cr m$_o$	cpr bc	cpr	corr
c cpr	cpr	cpr c	crrc
cpr c	cpr ir$_o$	cr$_o$c	corrc
cbc PRq	cPR	cpr	cr$_o$r$_o$
pr	pr		o
cv pr	PRq cv	cv pr$_o$ bc	bcw cm
crrc	c tlr PHR	cpr$_o$ pr	cpr$_o$ bc
cq$_o$ ir	cirpc tlRRq	cq bc	cbc
cpr	cpr	cprc	c
r$_o$r cm	cpr c	cr$_o$ r	cr$_o$ r
m cir	cpr	cPR	cbc
cr$_o$ pr	cpr$_o$	cpr$_o$	cpr
cp$_o$ cq	c	cp$_o$ bc cp	P$_o$ or c
cir o	cir o	cir$_o$	cir
cpr q	cbc pr c	cq pr	c
cq pr$_o$	cq	cv	cq bc
cp$_o$ q	cp$_o$ q	cpr	cir$_o$
bc iR	bcc PR	cpr o	oc
cq pr$_o$ c	cPRq c	cq pr$_o$ c	cir$_o$ qc
ir$_o$ q	PRq	cbc	bcc
cirq	ir c	cbc	cpr l
cirq cqR	ir bc	cqc	cr$_o$ rc
cbc P	cP	cbc p	cbc
r c ir	irc	rrc	bc
cpr	cpr	bc pr c	c o R c
orr	orr bc	bc ir o	oc p$_o$ c
cbc	bc c	cir cl	c
cpr	cpr$_o$	cir r$_o$ c	cir r$_o$ c
cir$_o$	cir$_o$	cr c p$_o$	cr c p$_o$
c	c	c	c
bcw.	bc	bc	bc
bc	bc	bc	bc
ir	ir	•	ir
cbc	bc	cpr	cbc
bc	bc	bc	bc
bcc	cbc	cbc	bcc
ir	cbc	bbc	c
cpr	c	cbc	cpr$_o$ c
cpr	cpr	cpr	cpr c
c	cp$_o$	c	c
bcp$_o$ cq	bcp$_o$ q c	cp$_o$ c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

§ The Observations entered in the 18th 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/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.*

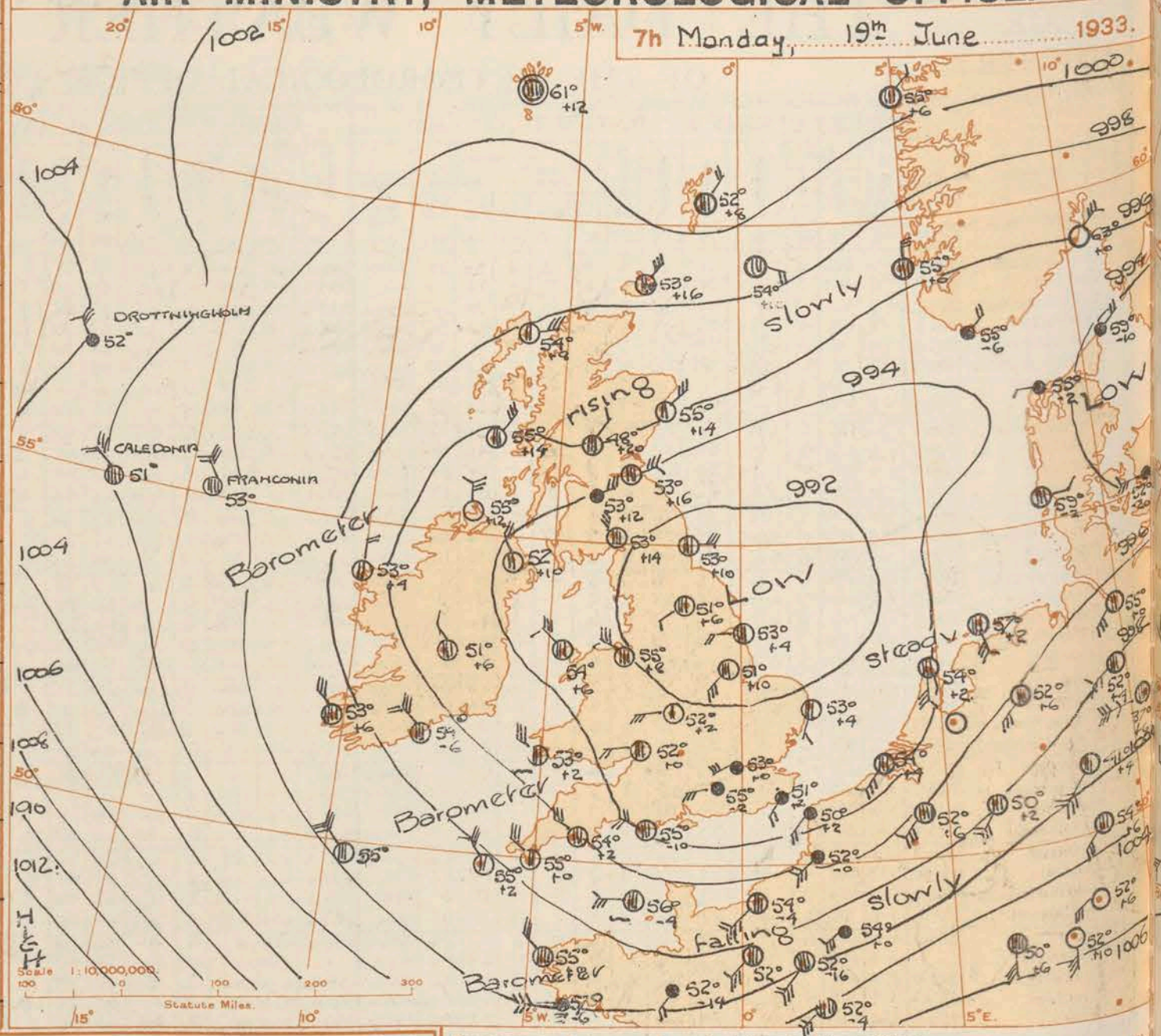
REPORTS from HEALTH RESORTS for 18t June 1933.

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.	cor	cbcc	44	58	0·5	5	3·5	6·9
	Bournemouth	bcr	bc	47	60	1	2	5·9	8·4
	Ventnor ...	pbcpo	opcbc	49	58	0·5	3	4·3	8·6
	Southsea ...	ocir	ocir	49	59	–	3	3·0	10·5
	Bognor Regis	bcr	rrc	49	60	Trace	7	3·5	10·0
	Littlehampton	c	crc	(48)	58	–	8	3·4	8·0
	Worthing ...	bccp	cp	48	59	Trace	4	3·8	8·1
	Brighton ...	bcpc	cpc	49	59	0·6	5	3·7	7·7
	Eastbourne†	bcc	circlc	49	59	0·2	4	5·4	7·9
	Hastings† ...	cbcc	copr	49	59	1	3	4·5	7·3
	Folkestone ...	bcc	cp	45	58	3	9	2·4	7·3
	Dover... ...	c	cpbc	54	58	0·5	5	1·2	4·9
	Deal	bcop	cpbc	47	58	1	2	2·2	5·4
	Ramsgate ...	o	opocbc	47	59	1	6	2·0	6·8
	Margate ...	c	crbc	49	57	0·1	3	2·1	6·9
2	Southend ...	or	octr	46	58	0·4	6	1·5	6·5
	Maldon ...	rr	coter	47	60	0·3	2	2·2	6·5
	Clacton-on-Sea	cr c	cpcbc	47	58	7	2	1·9	6·2
	Dovercourt ...	t·epoc	bccir	46	58	4	Trace	3·0	7·2
	Lowestoft ...	bccpr	cdr	45	59	2	2	2·3	5·2
	Skegness ...	rom	orthc	45	57	4	5	0·6	9·4
	Mablethorpe	ur	o cv	45	58	2	1	1·0	7·1
	Cleethorpes ...	ocp	cp	45	60	1	Trace	2·8	8·9
3	Leamington S.	cpr	bcpr	47	57	Trace	0·6	0·5	9·8
4	Cheltenham†·	opc	copc	46	57	0·3	1	0·8	7·2
5	Bath	bccp	bcor	50	59	Trace	1	2·9	8·2
	Weymouth ...	b bc	cpcb	50	61	1	1	5·6	8·5
	Jersey ...	rbc	prc	51	59	4	0·3	5·5	6·3
	Torquay ...	rpcq	bcpr	49	61	2	Trace	5·0	7·9
	Penzance ...	cbc	cbc	49	60	6	–	4·9	8·6
	St. Ives ...	c	c	50	58	4	–	1·1	3·8
	Bude	cp	cbbc	51	59	1	0·4	1·2	6·8
	Ilfracombe ...	odc	co	52	58	3	0·1	0·4	7·2
6	Aberystwyth	cprir	cir	48	55	5	7	0·1	1·0
7	Llandudno ...	rro	cpc	49	67	9	4	0·6	3·3
	Colwyn Bay...	ropre	opbcc	48	58	18	2	2·2	4·9
	Rhyl	corr	cprbc	49	58	9	4	1·6	5·1
8	Wallasey ...	qiRo	oirbc	50	59	8	4	1·6	6·8
	Southport‖ ...	cr	bc	50	58	8	4	2·6	6·1
	Blackpool ...	o cp	opopc	49	58	7	1	1·9	6·4
	Morecambe ...	rrcb	rtr·	50	61	4	4	2·2	5·0
9	Ilkley... ...	cir	ir	47	57	8	10	1·1	3·5
10	Berwick-on-T.	bc	bcco	48	66	Trace	–	4·1	8·9
11	Dunbar ...	rc	cp	48	57	1	0·3	4·9	11·6
12	Troon... ...	rroc	otro	50	59	18	2	2·4	3·6
	Douglas ...	cirq	ccckq	48	56	9	2	3·6	5·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Monday, 19th June 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. ∝Haze.
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 June, 1933.
1. S.E. England	Wind west or northwest, light or moderate; showers; local thunderstorms; bright intervals; somewhat warmer.
2. E. England...	
3. E. Midlands	Wind westerly or variable, light or moderate; showers; local thunderstorms; bright intervals; somewhat warmer.
4. W. Midlands	As 1.
5. S.W. England	Wind northwest or north, fresh or moderate; showers, perhaps local thunder; bright intervals; moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	Wind north or northeast, moderate or light; showers, perhaps local thunder; bright intervals; moderate temperature.
9. N Midlands	
10. N.E England	Wind east or northeast, light or moderate; cloudy, bright intervals; local showers today, perhaps intermittent rain tomorrow; rather low to moderate temperature.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A. W Scotld. B. N W Scotland	Wind moderate between east and north; mainly fair, but perhaps local showers; moderate temperature.
14. Mid-Scotland	
15. N.E. Scotland	As 10 - 11.
16. Orkneys and Shetlands.	
17. N.W. Ireland	Wind northwest or north, fresh or moderate; cloudy; bright intervals; perhaps showers; somewhat warmer.
18. N.E. Ireland	
19. S.E Ireland	
20. S.W Ireland	

GENERAL INFERENCE.

A depression centred off the East Coast of England is filling up and may move slowly southeast. Another depression over the Baltic is likely to move north or northwest. Showers will occur in many districts, but especially in East and Southeast England, and thunderstorms are probable. Day temperature will be a little higher.

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.

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

Morning of
Monday.
19th. June,
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

Monday, 19th June 1933.

No. 26-142

OBSERVATIONS at 1 hr. G.M.T. 19th June

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	994.5	+2	SW/W	4	c	52	95	8	–	7	–	0	7-8	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	994.8	-2	W'S	3	bc	49	85	8	5	3	1	2-3	4-6	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	996.8	-12	SW'S	1	c	51	95	7	8	–	–	7-8	7-8	1500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	995.5	-4	W'S	5	c	54	85	7	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	998.6	-10	NW'W	5	q	54	85	8	8	–	–	9+	9+	2500
	Scilly(St.Mary's)	163	999.2	-16	WNW	5	r	54	85	7	9	–	–	10	10	2500
	Guernsey ...	175	999.1	-14	WNW	5	o	54	95	7	5	–	–	10	10	2500
6	Pembroke ...	142	995.0	-6	WNW	43	c	53	85	7	5	2	–	7-8	9+	1500
7	Holyhead ...	26	992.8	0	WNW	5	c	52	95	8	5	–	1	2-3	2-3	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	987.9	0	SW	4	c	51	95	6	3	2	–	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	988.8	+8	E	2	o/r	52	95	7	6	–	–	10	10	1500
11	Inchkeith ...	190	991.4	+8	ENE	4	c	52	95	8	9	–	1	7-8	9	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts D)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	84	*	+12	NE	1	bc	50	95	8	8	6	–	2-3	4-6	2500
15	Dalwhinnie ..§	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	995.3	+8	NE	3	bc	52	95	8	5	7	–	2-3	2-3	4000
16	Lerwick ...	54	998.2	+10	E'N	2	bc	50	95	8	5	–	–	4-6	4-6	800
17	Blacksod Point	18	995.6	-6	NW	6	rr	53	95	6	6	–	–	10	10	1150
18	Malin Head ...	52	992.5	0	N'W	4	c	54	85	7	4	–	–	9+	9+	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	992.0	-14	WNW	4	r	51	95	7	9	–	–	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th June

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)...	993.2	0	WSW	3	pr	53	85	7	8	–	3	7-8	9+	2500	1	*
	Croydon ...	994.0	-2	WSW	2	c	51	85	7	5	7	–	4-6	9	1500	1	*
	S. Farnborough	993.3	-2	W	3	pr	55	85	8	8	8	–	7-8	9	2500	1	*
	Winchester ...	993.6	-4	W	3	c	53	95	8	8	–	–	9	9	1500	1	*
	Boscombe Down	993.9	+8	WNW	4	c	53	85	7	2	–	–	7-8	7-8	800	1	*
	Calshot,(S'thmtn)	993.9	+2	W	3	c/r	53	95	8	5	7	–	7-8	9	1500	1	2
	Dungeness ...	*	*	SW	2	rr	*	*	6	8	–	*	10	10	800	*	2
	Lympne ...	994.8	+2	SW/W	2	rr	51	95	6	6	2	–	7-8	10	1500	1	*
2	Shoeburyness	993.3	+2	WSW	3	pr	54	85	7	8	7	3	7-8	9+	1500	1	*
	Felixstowe ...	992.8	+4	NW'N	1	c	55	75	7	8	2	8	4-6	7-8	2500	0	1
	Gorleston ...	992.3	+4	SW'S	1	c	53	85	7	4	7	–	4-6	7-8	2500	0	2
	Cranwell ...	990.9	+10	WSW	3	c	51	95	6	5	7	–	9	9+	450 See	1	*
3	Birmingham ...	992.7	+2	W	3	bc	52	85	8	1	3	–	1	2-3	1500	1	*
	Upper Heyford	993.3	+8	WSW	3	c	52	85	8	5	7	–	9	9+	1500	1	*
4	Ross-on-Wye ...	993.1	0	W	2	c	52	85	8	8	–	–	9+	9+	4000	1	*
5	Portland Bill...	993.5	-10	WNW	5	c	55	85	7	5	–	–	7-8	7-8	2500	0	4
	Plymouth ...	996.0	-2	NW'W	3	c	54	85	8	5	–	–	9	9	1500	1	2
	The Lizard ...	997.0	0	WNW	3	bc	55	85	8	8	–	–	2-3	2-3	2500	0	3
	Scilly(St.Mary's)	998.0	+2	NW	4	bc	55	85	8	8	6	–	2-3	2-3	2500	1	3
	Guernsey ...	997.3	-4	W	4	c	56	85	7	8	–	–	9+	9+	2500	0	4
6	Pembroke ...	995.1	+2	WNW	3	c	53	85	7	5	4	–	2-3	7-8	4000	0	2
7	Holyhead ...	993.5	+6	NW	4	c	54	85	6	5	–	–	9	9	5700	1	3
	Chester (Sealand)	992.0	+8	WNW	4	c	55	85	7	5	3	–	4-6	9	800	1	*
8	L'pool (Bidston)	991.3	+10	W'N	3	c	53	85	8	3	–	–	9+	9+	1500	1	*
9	Harrogate ...	990.3	+6	WSW	1	bc	51	85	7	9	3	–	4-6	4-6	2500	1	*
10	Spurn Head ...	990.3	+4	W	2	c	53	95	7	3	7	–	4-6	7-8	2500	0	1
	Catterick ...	990.1	+8	WNW	2	c/r	52	85	7	6	3	–	9	10	1600	1	*
	Tynemouth ...	991.9	+10	E	3	c	53	85	7	9	–	–	7-8	7-8	1500	1	2
11	Inchkeith ...	992.7	+16	ENE	4	c	53	85	8	8	6	–	7-8	9+	2500	0	3
	Leuchars ...	995.0	+18	NE	4	c	53	95	7	8	3	–	4-6	9+	2500	1	*
12	Renfrew(Abbotts D)	994.0	+12	ENE	3	pr	53	85	7	9	7	–	9	9+	1500	1	*
	Eskdalemuir ...	992.1	+14	NEN	3	c	53	85	7	8	3	–	9	9	1500	1	*
13A	Tiree	995.3	+14	NE	3	c	55	75	9	–	5	3	0	7-8	–	0	3
13B	Stornoway ...	·	+8	E	3	bc	54	85	8	8	7	–	2-3	4-6	2500	1	1
15	Dalwhinnie ..§	996.2	+20	NE	1	c	48	95	7	4	4	–	4-6	10	1500	1	*
	Aberdeen ...	996.3	+14	NE	3	bc	55	85	8	3	3	–	2-3	2-3	4000	1	2
	Wick	997.9	+16	NE	3	bc	53	95	8	3	7	–	2-3	4-6	4000	0	2
16	Lerwick ...	1000.2	+8	NNE	2	c	52	95	8	8	–	–	7-8	7-8	800	0	*
17	Blacksod Point	996.6	+4	N	2	bc	53	85	8	–	5	–	0	4-6	–	0	2
18	Malin Head ...	994.2	+12	N	4	b	55	85	7	2	4	3	Tr.	1	2500	0	2
	Aldergrove ...	993.8	+10	NNW	2	bc	52	85	8	7	3	–	4-6	4-6	2500	1	*
	Donaghadee ...	992.9	+6	N	3	c	53	85	8	8	3	–	4-6	7-8	2500	0	2
19	Birr Castle ...	994.3	+6	NW	1	c	51	95	8	5	–	–	7-8	7-8	2500	1	*
20	Valentia Obsy.†	998.9	+6	NW'N	3	c	53	75	8	5	–	–	10	10	1600	1	2
	Roches Point...	997.1	-6	NW	5	c	54	86	8	3	–	–	7-8	7-8	2500	0	3

PAST 24 HOURS.

Distrct.	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 18th Hrs. (36)
1	London (Kew)...	60	52	48	3	1	2.7
	Croydon ...	58	51	48	2	0.6	2.7
	S. Farnborough	61	48	44	3	5	3.7
	Winchester ...	58	49	47	3	6	2.9
	Boscombe Down	57	49	48	2	7	2.7
	Calshot,(S'thmtn)	59	52	50	3	1	3.8
	Dungeness ...	61	50	*	1	3	*
	Lympne ...	57	46	43	3	0.5	3.2
2	Shoeburyness	59	50	47	6	2	2.2
	Felixstowe ...	58	50	48	3	0.1	2.9
	Gorleston ...	57	50	49	3	4	4.1
	Cranwell ...	57	49	47	4	3	1.6
3	Birmingham ...	54	46	43	7	2	0.3
	Upper Heyford	57	47	43	0.5	0.3	*
4	Ross-on-Wye ...	57	48	44	0.1	2	1.0
5	Portland Bill...	58	53	*	1	0.6	*
	Plymouth ...	57	52	50	1	0.1	6.5
	The Lizard ...	59	53	*	1	–	*
	Scilly(St.Mary's)	59	53	*	0.2	1	6.2
	Guernsey ...	59	53	49	4	1	7.4
6	Pembroke ...	58	50	*	1	1	2.9
7	Holyhead ...	57	52	48	2	–	3.0
	Chester (Sealand)	58	51	48	3	0.2	2.9
8	L'pool (Bidston)	56	51	50	6	Tr.	2.4
9	Harrogate ...	56	48	46	7	0.2	2.6
10	Spurn Head ...	60	50	*	0.5	2	1.5
	Catterick ...	60	49	48	0.4	4	4.1
	Tynemouth ...	57	51	48	1.3	2	*
11	Inchkeith ...	59	50	42	–	6	8.9
	Leuchars ...	58	50	45	0.2	2	5.4
12	Renfrew(Abbotts D)	60	49	46	6	9	1.6
	Eskdalemuir ...	57	46	44	5	–	2.1
13A	Tiree	57	51	48	–	–	8.7
13B	Stornoway ...	57	47	*	0.1	–	11.3
15	Dalwhinnie ..§	56	39	34	2	2	2.0
	Aberdeen ...	58	51	49	–	3	8.9
	Wick	55	51	*	–	–	*
16	Lerwick ...	56	49	*	0.4	–	1.6
17	Blacksod Point	57	48	*	5	3	*
18	Malin Head ...	56	51	*	2	–	7.0
	Aldergrove ...	59	48	43	3	Tr.	5.3
	Donaghadee ...	59	50	*	1	0.2	*
19	Birr Castle ...	58	45	35	2	2	2.7
20	Valentia Obsy.†	56	52	46	0.4	0.1	0.6
	Roches Point...	58	50	*	Tr.	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	cir PRq	cPR pr	cpr	60	52	48	3	1	2.7	*	*	7
Croydon	217	cr o	cPR q	cpr c	58	51	48	2	0.6	2.2	*	*	7
Greenwich (Royal Observatory) ...	149	cpr	rc p	c pc dp	63	60	45	3	1	2.2	85	77	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	60	52	49	4		2.2	69	69	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	61	49	47	4		3.2	77	81	*
Camden Square	110	cr	cp	*	61	52	48	3	0.3	*	*	72	*
Kensington	80	bcp	bcp	*	60	52	46	3	0.6	1.7	At 18h. 69	*	*
Hampstead Observatory	450	obc	or	bcp	59	49	43	1	3	2.7	64	83	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th

South Kensington. Max.	Time.	Min.	Time.
0.3	7h 19th	Nil	15h 18th-5h 19th

Kew Observatory. Max.	Time.	Min.	Time.
0.1	12h/18h	< 0.1	Rest of period

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 19th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 19th June. 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	1000.1	W	5	c/p	57	1000.3	SW	4	ir	54	63	52	4	0.1
Brussels	995.8	WSW	4	c	59	996.8	SW'S	4	o/r	52	61	48	1	6
Berlin	997.5	W'S	1	c	61	997.1	WSW	3	c	55	63	52	–	–
Zürich	1004.7	W	3	c	55	1005.9	WSW	5	c	52	63	46	3	3
Rome	1006.9	W	5	c	64	1007.9	SSE	3	c	64	72	54	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 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.

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

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.

†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 and 35 are 7-17h, and 17-7h in this report

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 20th June 1933.

No. 24143

OBSERVATIONS at 13h. G.M.T. 12th June

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low 0-10	Amount. Total 0-10	Height of Base. (feet)
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)...	993·5	-4	W	3	thr.	60	55	7	8	-	3	7-8	9	2500
	Croydon ...	993·8	-2	SWW	2	bc/pr	61	65	8	8	-	-	4-6	4-6	2500
	S. Farnborough	993·7	+4	W	4	pr.	60	65	8	8	8	3	4-6	9	4000
	Winchester ...	993·8	0	W	4	bc	63	55	8	8	-	-	4-6	4-6	4000
	Boscombe Down	993·9	-2	W	5	bc	62	55	8	2	-	-	4-6	4-6	4000
	Calshot, S'thmtn	994·2	0	W'S	4	bc	65	45	8	8	4	-	4-6	4-6	4000
	Dungeness ...	*	*	~~WNW 3~~		bc/thr.	*	*	*	*	*	*	2-3	4-6	2500
	Lympne ...	994·5	+6	ENE	3	thr	50	95	8	9	2	-	9	9+	1500
2	Shoeburyness	993·3	-2	WSW	3	t	63	65	7	8	7	3	7-8	9	1500
	Felixstowe ...	993·7	+2	SSW	1	t	56	75	8	9	8	8	4-6	7-8	2500
	Gorleston ...	992·9	+4	SSW	1	bc	57	85	7	8	-	-	4-6	4-6	2500
	Cranwell ...	991·9	0	N'W	1	pr	58	75	7	9	-	-	9	9	1500
3	Birmingham ...	993·3	+4	WNW	3	c/p	58	55	6	9	-	-	7-8	7-8	4000
	Upper Heyford	994·0	+12	WNW	2	pr.	53	85	9	8	4	-	9	9+	1500
4	Ross-on-Wye ...	994·2	+6	NW	4	pr.	56	75	8	8	-	-	9+	9+	4000
5	Portland Bill...	995·6	+6	WNW	5	c	59	75	8	5	4	-	7-8	9	2500
	Plymouth ...	997·3	+6	W'N	5	c/pr	58	65	8	8	-	-	9+	9+	1500
	The Lizard ...	998·7	+4	W	3	bc	60	75	8	8	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	999·1	+8	WNW	4	bc	60	75	7	2	-	-	2-3	2-3	4000
	Guernsey ...	998·5	+8	WNW	5	bc	60	75	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	995·8	+12	WNW	2	bc	58	85	8	7	8	-	2-3	4-6	4000
7	Holyhead ...	995·5	+10	NW	4	bc	57	75	7	2	3	-	2-3	2-3	1500
	Chester (Sealand)	993·4	+10	NW	5	c	58	75	8	2	3	-	4-6	7-8	1500
8	L'pool (Bidston)	993·5	+8	WNW	4	pr.	54	85	9	8	-	-	7-8	7-8	1500
9	Harrogate ...	991·7	+6	SW	1	t	57	75	7	9	7	-	7-8	9+	2500
10	Spurn Head ...	992·0	+2	SE'S	3	thr.	55	95	7	3	7	-	7-8	9	2500
	Catterick ...	992·2	+14	NE'E	2	c	58	75	7	9	-	-	9+	9+	1500
	Tynemouth ...	993·9	+10	E	2	bc	56	85	7	9	-	-	4-6	4-6	2500
11	Inchkeith ...	996·0	+6	E	4	c	56	85	8	8	3	-	7-8	9	2500
12	Leuchars ...	997·3	+10	ENE	4	bc	60	75	8	3	4	-	2-3	4-6	2500
	Renfrew (Abbotts L)	995·~~7~~	+8	~~ENE~~ NE'E	4	c	61	65	8	8	8	-	7-8	7-8	2500
	Eskdalemuir ...	993·9	+6	NE	4	pr	56	75	8	8	-	-	9+	9+	1500
13A	Tiree	997·0	+8	N	2	bc	59	75	9	8	3	-	2-3	4-6	4000
13B	Stornoway ...		+4	NE	4	bc	58	85	8	8	7	-	2-3	2-3	2500
15	Dalwhinnie ...	9967	0	NE	3	c	59	55	8	4	4	-	4-6	9	2500
	Aberdeen ...	998·1	+6	NE	4	bc	57	85	8	3	-	S	2-3	2-3	4000
	Wick	999·7	+4	NE	3	c	53	95	8	8	1	1	4-6	7-8	2500
16	Lerwick ...	1000·8	+4	NNE	2	c	55	85	8	4	3	-	2-3	9	1500
17	Blacksod Point	997·8	+6	N	2	c	58	75	8	5	-	-	9	9	450
18	Malin Head ...	996·3	+6	N	3	bc	57	75	7	2	3	-	1	2-3	2500
	Aldergrove ...	995·2	+2	NNE	2	c	59	65	8	8	-	-	7-8	7-8	4000
	Donaghadee ...	994·9	+6	N	2	bc	58	75	8	8	3	-	4-6	4-6	2500
19	Birr Castle ...	996·0	0	NNW	2	c	62	65	8	8	-	-	7-8	7-8	2500
20	Valentia Obsy.	997·8	+2	WNW	3	c	55	85	8	5	-	-	10	10	800
	Roches Point...	998·9	+8	NW	3	c	58	75	9	3	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 12th June

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Form. Med.	Form. High.	Amount. Low 0-10	Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)...	995·5	+2	W	3	bc/thr.	63	55	8	8	-	3	4-6	4-6	2500	1	*
	Croydon ...	994·8	+1~~0~~8	W	2	c/pr	57	85	8	8	-	1	7-8	7-8	2500	1	*
	S. Farnborough	994·9	+6	W	3	bc	60	65	8	8	-	3	4-6	4-6	4000	1	*
	Winchester ...	995·2	+6	WNW	3	bc	59	75	8	2	-	-	4-6	4-6	4000	1	*
	Boscombe Down	995·0	+8	WNW	*	bc	60	55	8	2	-	-	2-3	2-3	4000	0	*
	Calshot, S'thmtn	994·8	+6	WNW	5	b	64	35	8	8	-	-	1	1	4000	0	2
	Dungeness ...	*	*	SW	4	c/r	*	*	7	8	-	*	7-8	7-8	800	*	3
	Lympne ...	995·2	+6	SW'W	2	t	53	95	8	8	8	-	4-6	7-8	4000	1	*
2	Shoeburyness	994·1	0	SW	2	t	59	75	7	8	6	-	4-6	7-8	2500	1	*
	Felixstowe ...	993·5	+4	SSW	2	ir.	57	75	8	9	7	1	4-6	7-8	2500	1	1
	Gorleston ...	993·4	+6	SW'S	1	c	58	75	7	6	3	-	2-3	7-8	1500	0	2
	Cranwell ...	993·3	+14	SE'E	1	c/thr.	54	95	6	8	-	-	9+	9+	1500	1	*
3	Birmingham ...	995·2	+8	WSW	2	PR	52	95	8	9	-	-	9	9	2500	1	*
	Upper Heyford	994·9	+10	WNW	2	c/pr.	56	75	8	9	5	3	7-8	9	1500	1	*
4	Ross-on-Wye ...	995·5	+8	W'N	4	bc	60	55	8	8	-	-	2-3	2-3	4000	0	*
5	Portland Bill...	996·6	+8	W	5	bc	57	85	8	4	-	-	4-6	4-6	2500	0	4
	Plymouth ...	998·3	+6	W	5	c	57	75	8	8	-	-	9+	9+	1500	1	3
	The Lizard ...	999·8	+2	W	3	bc	57	85	8	8	4	-	2-3	2-3	2500	0	2
	Scilly (St. Mary's)	999·8	0	WNW	5	bc	58	75	7	4	6	-	4-6	4-6	4000	0	3
	Guernsey ...	999·2	+4	WNW	5	bc	59	85	8	8	-	-	4-6	4-6	2500	0	3
6	Pembroke ...	996·9	+4	WSW	2	bc	56	85	8	-	7	4	0	2-3	-	0	2
7	Holyhead ...	996·3	+6	W'N	3	b	58	75	7	2	-	1	1	1	2500	0	1
	Chester (Sealand)	994·4	+8	WNW	4	bc	58	75	8	2	3	-	4-6	4-6	1500	0	*
8	L'pool (Bidston)	994·6	+8	WNW	4	c	56	75	8	8	-	8	7-8	9	1500	1	*
9	Harrogate ...	994·2	+10	ENE	3	c	56	75	7	6	8	-	7-8	9+	2500	1	*
10	Spurn Head ...	992·9	+2	E	3	bc	56	85	7	4	3	9	2-3	4-6	4000	0	2
	Catterick ...	993·9	+16	NNE	3	c	57	85	7	9	3	-	7-8	7-8	1500	1	*
	Tynemouth ...	994·8	+12	ENE	2	bc	55	95	7	9	-	-	4-6	4-6	2500	1	2
11	Inchkeith ...	997·0	0	ENE	4	c	57	85	8	8	3	-	4-6	9	2500	0	3
12	Leuchars ...	997·5	+8	ENE	4	c	59	75	8	8	3	5	1	9	2500	0	*
	Renfrew (Abbotts L)	996·4	+6	ENE	3	c	59	75	7	4	6	-	4-6	7-8	4000	1	*
	Eskdalemuir ...	995·3	+8	NE	4	c	55	75	8	8	3	-	9	9	1500	1	*
13A	Tiree	997·0	-2	N'W	1	c	57	85	9	8	7	-	7-8	9	2500	0	2
13B	Stornoway ...		-2	NE	4	c	57	85	8	8	7	2	4-6	7-8	2500	1	1
15	Dalwhinnie ...	998·1	+2	-	0	c	57	65	8	4	2	-	4-6	10	2500	0	*
	Aberdeen ...	998·0	0	NE	3	c	58	85	8	8	5	3	2-3	7-8	2500	1	2
	Wick	999·1	-2	NE	3	c	54	95	8	8	1	-	7-8	9	2500	0	2
16	Lerwick ...	998·8	-14	NNE	3	c	57	75	7	5	7	8	4-6	9.	1500	0	*
17	Blacksod Point	996·8	-4	W	1	c	56	85	8	5	5	-	4-6	9+	450	0	2
18	Malin Head ...	995·9	0	NE	2	b	56	85	8	2	9	2	Tr.	1	4000	0	1
	Aldergrove ...	995·7	+2	NE	2	bc	60	65	8	2	-	3	2-3	2-3	4000	1	*
	Donaghadee ...	995·4	+2	N	2	bc	57	85	8	8	3	-	4-6	4-6	2500	0	1
19	Birr Castle ...	995·8	0	NW	3	c	62	65	8	3	3	-	2-3	9+	2500	1	*
20	Valentia Obsy.	999·4	-6	W'N	4	c	54	85	8	5	-	-	10	10	1500	1	2
	Roches Point...	998·4	-4	NW	4	bc	61	75	9	3	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Distrct.	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 12th	Weather. 13h.—18h. 12th	Weather. 18h. to 1h. 20th	Weather. 1h.—7h. 20th
		(37)	(38)	(39)	(40)
1	London (Kew)...	cprhtl	cprq thr.	cpr. bc	bc
	Croydon ...	ccpr. thr	bccprt	cbcb	bbcw
	S. Farnborough	bccpr.	cprbc	bcb	bbcc
	Winchester ...	cbcy	bccpr	bc	bccm.
	Boscombe Down	cbcy	bcbcy	bbcc	cm.
	Calshot, S'thmtn	bcq	bcqy	bybcw	bcc
	Dungeness ...	thr.	thr.	*	o
	Lympne ...	cvTLRHq	TLRHq	ctprbc	bcwc
2	Shoeburyness	cthrpr.	cthr	cthcbc	bcm.w
	Felixstowe ...	bcRRthTLRHc	bclcpc r.	cr. bct	bcb
	Gorleston ...	cpr. t	bcpr. c	cbcc	coff
	Cranwell ...	her. c	tRRthcthr.	cm.	cofc
3	Birmingham ...	bcpr	cRPR	cpr	cbc
	Upper Heyford	cpr.	bcpr.	c	cof
4	Ross-on-Wye ...	cbcp.	bccbcy	bcyb	bccm.
5	Portland Bill...	ccprp	cbc	bcc	c
	Plymouth ...	cpr. q	cpr.	cb	b, c
	The Lizard ...	bc	bc	bcco	ocpr
	Scilly (St. Mary's)	bccbc	b*c	cid.	Rir.
	Guernsey ...	cprbc	bc	bcc	co
6	Pembroke ...	cbc	bcbbc	bccpr.	cprc
7	Holyhead ...	cbc	b	bw	bcwc
	Chester (Sealand)	cbc	bcc	pr	bcm.
8	L'pool (Bidston)	cbcp.	p. bcc	cm.	cbcwm.
9	Harrogate ...	bcct	cp	cbc	bcc
10	Spurn Head ...	cthr	rcbc	bcw	bcifc
	Catterick ...	cd. c	cprm. tc	bcw m.	om. o
	Tynemouth ...	cairbc	bc	bcoff	offc
11	Inchkeith ...	c	c	cbc	bccw
12	Leuchars ...	cpr. bc	bcc	c	cm. w
	Renfrew (Abbotts L)	cPtRc	cbc	bcc	cbcwc
	Eskdalemuir ...	cPRpr	cpr	cpr. bb	bw
13A	Tiree	be	cbcp. r.	cbc	bccw
13B	Stornoway ...	be	bcc	c	crr
15	Dalwhinnie ...	c	c	*	c
	Aberdeen ...	be	be	bcc	cpr. bc
	Wick	bc	bcc	cprr	crr
16	Lerwick ...	c	c	cbc	bcc
17	Blacksod Point	cbc	c	cr.	ir.
18	Malin Head ...	be	be	bc	c
	Aldergrove ...	bcc	cbc	bcbw	bwc
	Donaghadee ...	cbc	bc	c	c
19	Birr Castle ...	c	c	c	prc
20	Valentia Obsy.	cpr. c	c	cpr.	cprc
	Roches Point...	cpcv	cbcv	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/$_o$, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
$_o$/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.*

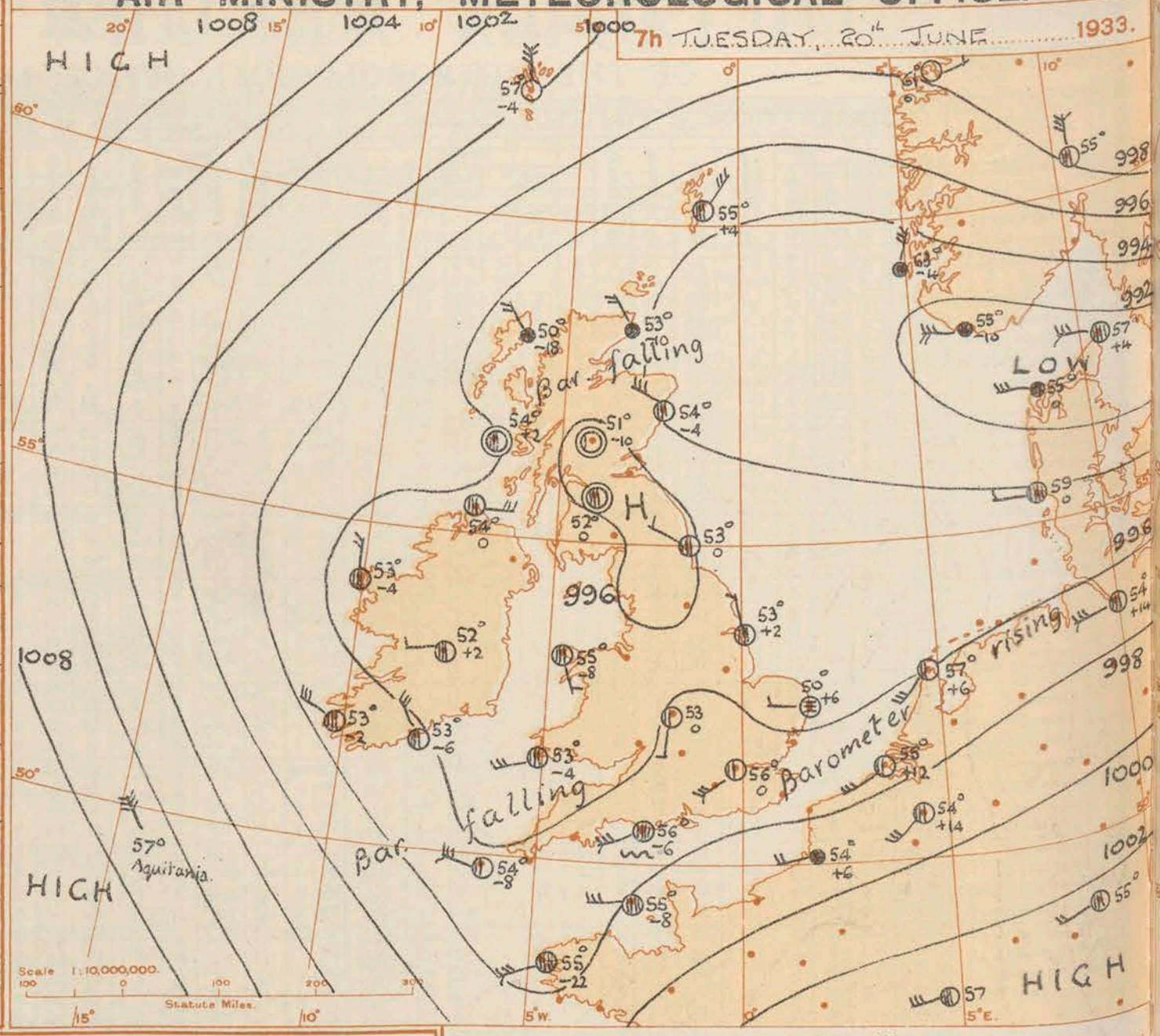
REPORTS from HEALTH RESORTS for ....12th June.... 1933.

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. 11th	Sunshine. Sunrise to Sunset. 11th
1	Tunbridge W.	bc	tlrc	48	63	2	5	4.4	3.6
	Bournemouth	bcp	bc	51	67	1	0.3	5.5	6.9
	Ventnor ..	rcpbc	bbc	52	61	7	1	8.7	4.7
	Southsea ...	bc	b	52	66	3	-	9.2	3.7
	Bognor Regis	rbc	bc	51	64	7	Tr.	8.1	3.8
	Littlehampton	bc	bctlr	51	62	12	1	5.8	4.1
	Worthing ...	cpbc	cptc	52	62	13	2	6.0	4.0
	Brighton ...	bccpc	bcptr	51	62	11	2	5.6	3.8
	Eastbourne†	cbc	bcctlr	51	61	25	5	4.7	5.4
	Hastings† ...	cbcc	ctlrbc	48	63	7	4	2.9	5.2
	Folkestone ...	rocbc	tlir	49	61	2	17	2.6	3.2
	Dover... ...	bcc	tlrbc	51	59	3	15	3.6	3.5
	Deal	bcop	ctlrc	49	62	2	8	2.5	3.8
	Ramsgate ...	c	ctlrtlr	49	60	1	3	4.4	2.9
	Margate ...	c	ctlrbc	49	59	1	3	3.5	3.3
2	Southend ...	tlrc	tlrbc	50	61	2	5	2.3	1.6
	Maldon ...	ctlr	ctlr	48	64	1	3	3.9	2.5
	Clacton-on-Sea	cptlc	cpc	51	60	2	4	4.3	2.3
	Dovercourt ...	bctlr	tlrbc	49	60	4	9	3.9	3.3
	Lowestoft ...	cpr	c	49	60	4	1	3.0	2.5
	Skegness ...	crmbc	cotlr	49	62	1	3	4.4	0.9
	Mablethorpe	c	ctlr	49	60	2	6	2.2	1.0
	Cleethorpes...	pcbc	crbc	48	60	2	1	3.5	2.9
3	Leamington S.	cbcpr	bcpr	45	61	0.5	Tr	4.7	0.8
4	Cheltenham†	cbccp	cpc	48	64	4	1	3.8	1.2
5	Bath	bcc	bcpc	51	64	3	Tr.	7.5	3.3
	Weymouth ...	cb	b	53	63	1	-	6.4	6.4
	Jersey ...	pcbc	bc	53	60	1	-	6.0	6.2
	Torquay ...	c	cPRbcp	52	63	-	1	4.3	6.7
	Penzance ...	cbc	cbc	52	62	Tr.	-	7.2	4.9
	St. Ives ...	o	c	53	59	Tr.	-	1.7	1.1
	Bude	cp	cpc	52	59	0.6	2	1.1	2.0
	Ilfracombe ...	b	b	54	59	1	-	9.6	0.7
6	Aberystwyth	cprc	cbcb	52	59	3	-	4.7	0.1
7	Llandudno ...	cbc	bcb	51	59	0.3	-	5.6	1.0
	Colwyn Bay...	cbcc	bcb	51	60	1	-	4.4	2.7
	Rhyl	cbc	bc	50	59	-	-	5.4	2.9
8	Wallasey ...	cbcc	cpbc	50	62	0.3	Tr.	4.2	2.2
	Southport‖ ...	cpc	cpco	52	61	0.3	0.2	2.5	2.8
	Blackpool ...	c	cp	52	59	-	2	2.6	2.5
	Morecambe ...	cbccb	cdcb	47	59	3	1	1.6	2.4
9	Ilkley	cpre	cprc	47	61	3	2	1.2	1.1
10	Berwick-on-T.	c	cbc	50	58	1	-	4.0	4.2
11	Dunbar ...	ctlrr	bc	50	58	6	-	4.1	4.9
12	Troon... ...	rcrc	rcrc	49	61	4	1	0.8	2.5
	Douglas ...	cb	cbbc	48	62	-	-	6.5	4.1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, 20th JUNE 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th June, 1933.
1. S.E. England 2. E. England... 3. E Midlands	Wind mainly southwest or west, light or moderate; mainly cloudy; occasional rain; rather low to moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales	Wind west or northwest, moderate; cloudy; some bright intervals; showers; rather low to moderate temperature.
7. North Wales 8. N.W. England 9. N Midlands	Wind variable or northerly, light; mainly cloudy; showers; chance of local thunder; moderate temperature.
10. N.E England 11. S.E. Scotland	Wind northwest to northeast, light or moderate; cloudy; rain later; moderate or rather low temperature.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N.W. Scotland} 14. Mid-Scotland	Wind mainly northerly, light or moderate; cloudy; showers or occasional rain; moderate temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Wind northeast, light or moderate; cloudy; occasional rain or drizzle; moderate temperature.
17. N.W Ireland 18. N.E. Ireland 19. S.E Ireland 20. S.W. Ireland	Wind mainly northerly, light or moderate; cloudy; bright intervals; showers; 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 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◑Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳Snow. ✱Sleet. ▲Hail. ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm. ∞ Haze.
Sea Disturbance.~~Rough. ≈≈High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An irregular area of low pressure covers the British Isles and the North Sea. Weather will be mainly cloudy and rain is probable at times in most areas.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1015 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
20TH JUNE,
TUESDAY.
1933.
LOW
HIGH
H.
1016
1020
1024
1012
1008
1004
1000
1028
S. Francisco
S. Diego
Roseburg
Tatoosh
Prince Rupert
Juneau
Dutch Harbour
Behring Is
Petropaviovsk
Ust Kamchatsk
Khuktsm
Vladivostok
Alexandrovsk
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Nogaeva
Okhotsk
Blagoveschensk
Norski Shkid
Cherniyaevo
Erofe Pavlovitch
Nerchinsk
Borzia
Sryentensk
Chita
Barguzin
Kirensk
Bratski
Kansk
Minusinsk
Tomsk
Barnaul
Barabinsk
Petropavlovsk
Atbassar
Kzyl Orda
Orenburg
Uralsk
Gurev
Ft. Alex
Astrakhan
Stalingrad
Bogoutchar
Makhach-Kala
Rostov
Batoum
Sinope
Mosul
Hinaidi
Amasra
Adana
Konia
Smyrna
Limassol
Ammam
Gaza
Tor
Hebron
Suez
Aswan
Wadi Halfa
Khartoum
Port Arthur
Yakutsk
Tommot
Kolymsk
Wrangel Is.
Pt. Barrow
Fairbanks
Dawson
Fort Simpson
Fort Norman
Fort Good Hope
Aklavik
Lyakhovski
Lena Mouth
Anadyr
St. Lawrence Bay
Nome
Dickson
Dudinka
Yenisseisk
Franz Joseph Land
Matochkin Shar
Obdorsk
Igarka
Grazov
Kanin Nes
T. Pechorsk
Mezen
Archengel
Kem
Kandalaksha
Tromso
Vardo
Vadsoe
Hammerfest
Alten
Bodo
Namsos
Trondheim
Stockholm
Oslo
Copenhagen
Helder
Berlin
Hamburg
Frankfurt
Paris
Brest
Rochefort
Padua
Belgrade
Constanta
Odessa
Sevastapol
Kharkov
Kazybkov
Kiev
Ternopil
Saw
Warsaw
Petrograd
Moscow
Yaroslavl
Kostroma
Nizhni Novgorod
Penza
Tambov
Voronezh
Yelets
Orel
Smolensk
Vyazma
Kalinin
Novgorod
Zemetchino
Saratov
Kamyshin
Ft. Alexandrovsk
Astrakhan
Gurev
Orenburg
Uralsk
Kzyl Orda
Petropavlovsk
Atbassar
Barnaul
Tomsk
Minusinsk
Kansk
Bratski
Kirensk
Barguzin
Chita
Sryentensk
Borzia
Nerchinsk
Erofe Pavlovitch
Cherniyaevo
Norski Shkid
Blagoveschensk
Vladivostok
Khuktsm
Bikin
Kharborovsk
Nikolaievsk
Kerbi
Nogaeva
Okhotsk
Anadyr
St. Lawrence Bay
Nome
Dutch Harbour
Behring Is
Petropaviovsk
Ust Kamchatsk

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 20th June 1933.

No. 26143

OBSERVATIONS at 1 hr. G.M.T. 20th June

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	997.0	+6	WSW	3	b	52	85	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	997.5	+6	NW'W	2	bc	51	85	7	5	-	1	2-3	2-3	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	995.1	+4	-	0	c	53	85	7	5	–	–	9	9	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	998.1	-4	W'N	4	bc	56	85	8	5	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	999.2	+6	W	3	0	53	95	8	5	–	–	10	10	2500
	Scilly(St.Mary's)	163	999.5	-6	W	4	c	55	95	8	5	–	–	9+	9+	2500
	Guernsey ...	175	1000.2	-6	W	3	c	55	85	8	8	–	–	10	10	2500
6	Pembroke ...	142	995.7	-8	WSW	3	c	55	95	7	8	2	–	4-6	9+	1500
7	Holyhead ...	26	997.4	-2	SSW	2	bc	51	95	7	–	–	6	0	2-3	–
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	994.7	+2	NNE	3	bc	52	95	7	5	–	–	2-3	2-3	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	995.9	0	N	2	of	51	95	2	5	–	–	10	10	800
11	Inchkeith ...	190	~~999.7~~	-4	NE	3	bc	51	95	7	5	–	–	4-6	4-6	1500
	Leuchars ...	35	~~997.1~~	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	996.8	-2	NE	2	c	53	95	8	8	2	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	995.2	-24	NW	4	rr	50	95	8	6	2	–	7-8	10	1500
16	Lerwick ...	54	995.6	-12	NNE	3	bc	53	95	7	5	1	9	1	4-6	1500
17	Blacksod Point	18	995.8	-4	-	0	cr	51	95	7	6	–	–	10	10	220
18	Malin Head ...	52	995.4	-10	NE	2	c	54	95	8	5	7	–	2-3	7-8	4000
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	997.1	-14	W'N	3	pr	52	95	8	9	–	–	10	10	800
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 20th June

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)...	996.9	0	SW	4	bc	56	85	8	1	-	6	2-3	4-6	2500	0	*
	Croydon ...	997.1	+2	SSW	2	bc	55	85	7	7	3	9	2-3	4-6	1500	1	*
	S. Farnborough	996.6	-2	SWW	2	c	55	85	7	5	1	8	7-8	9+	2500	1	*
	Winchester ...	996.7	-2	SW	3	c	53	95	6	5	7	1	2-3	9+	1500	1	*
	Boscombe Down	996.5	-2	SSW	3	c	53	95	6	5	1	-	4-6	10	4000	0	*
	Calshot,(S'thmtn)	997.1	-2	SW'S	3	c	58	75	8	8	4	9	7-8	9+	2500	0	2
	Dungeness ...	*	*	SW	2	c	*	*	6	9	7	*	4-6	7-8	1500	*	2
	Lympne ...	997.8	+2	W'S	1	c	54	85	8	3	-	7	1	9+	2500	1	*
2	Shoeburyness	997.2	+6	WSW	2	bc	56	85	6	5	5	6	Tr.	4-6	2500	1	*
	Felixstowe ...	996.6	+6	SW	2	bc	53	85	7	-	-	1	0	2-3	-	1	1
	Gorleston ...	995.7	+6	W	1	f	50	95	2	5	-	-	10	10	4150	0	1
	Cranwell ...	995.9	+4	N'E	1	F	48	95	1	5	-	-	10	10	4150	1	*
3	Birmingham ...	996.2	0	SSW	1	bc	53	85	8	-	-	1	0	4-6	-	1	*
	Upper Heyford	996.4	-2	SSW	2	0/3	51	95	5	5	-	-	10	10	450	1	*
4	Ross-on-Wye ...	995.6	-6	W	1	c	52	85	6	6	7	-	9	9+	2500	0	*
5	Portland Bill...	996.4	-6	WSW	4	c	56	85	8	5	7	-	7-8	10	2500	0	4
	Plymouth ...	996.4	-8	SSW	2	c	54	95	7	5	-	2	9	9+	800	1	2
	The Lizard ...	996.3	-8	WSW	3	pr	56	95	8	8	-	-	9+	9+	2500	1	3
	Scilly(St.Mary's)	996.8	-8	WNW	4	bc	54	95	7	8	4	-	4-6	4-6	2500	1	2
	Guernsey ...	998.6	-8	SW	3	c	55	95	7	5	-	-	10	10	2500	0	3
6	Pembroke ...	994.5	-4	WSW	3	c/pr	53	95	7	6	5	-	7-8	9	1500	1	2
7	Holyhead ...	995.7	-8	SSE	1	c	55	85	8	5	3	-	7-8	9	5700	0	0
	Chester (Sealand)	995.4	-2	E	1	3c	53	85	6	5	-	-	1	1	4000	0	*
8	L'pool (Bidston)	995.1	0	-	0	3c	54	85	5	5	-	-	4-6	4-6	1500	0	*
9	Harrogate ...	996.0	0	NNW	1	c	51	95	6	6	2	-	9	10	2500	1	*
10	Spurn Head ...	995.0	+2	NNW	1	c	53	95	6	5	7	-	4-6	7-8	800	0	1
	Catterick ...	995.6	0	WNW	1	c	52	85	7	6	-	-	9+	9+	1500	1	*
	Tynemouth ...	996.6	0	WNW	1	c	53	95	6	2	-	1	7-8	7-8	2500	1	1
11	Inchkeith ...	996.2	0	-	0	c	53	85	7	2	9	9	4-6	9	2500	0	0
	Leuchars ...	995.9	-8	SW	2	c	52	95	7	5	-	8	1	9	800	0	*
12	Renfrew (Abbotts I.)	996.2	0	-	0	c	52	95	6	2	3	-	Tr.	7-8	2500	1	*
	Eskdalemuir ...	995.3	-2	NE	2	b	54	75	8	7	-	1	Tr.	1	2500	1	*
13A	Tiree	996.0	+2	-	0	c	54	85	9	5	7	-	7-8	9+	2500	0	1
13B	Stornoway ...	.	-18	NW	2	rr	50	95	7	8	2	-	4-6	10	1500	1	1
15	Dalwhinnie ...	993.6	-10	-	0	c	51	75	8	4	4	-	7-6	10	2500	0	*
	Aberdeen ...	993.7	-4	WNW	3	c	54	75	8	5	7	-	2-3	9	4000	1	1
	Wick	994.5	-10	NW	2	rr	53	95	7	6	2	-	7-8	10	1500	1	2
16	Lerwick ...	994.7	+4	NEN	3	c	55	95	7	5	6	-	4-6	7-8	1500	0	*
17	Blacksod Point	995.6	-4	N	2	c	53	85	8	-	3	-	c	7-8	-	0	2
18	Malin Head ...	995.0	0	E	3	c	54	95	7	7	-	-	9+	9+	4000	0	1
	Aldergrove ...	995.4	-2	NE'E	2	c	53	95	7	5	-	-	9+	9+	5700	1	*
	Donaghadee ...	994.8	-4	S	2	c	52	95	8	8	3	2	4-6	7-8	2500	0	1
19	Birr Castle ...	994.5	+2	W	1	c	52	95	7	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy.†	995.7	-2	WNW	3	c	53	85	8	8	-	-	7-8	7-8	1500	1	2
	Roches Point...	996.4	-6	NW	3	c	53	85	8	3	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Distrct.	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 19th 12 m. Hrs. (36)
1	London (Kew)...	64	49	45	2	Tr.	6.0
	Croydon ...	64	50	47	2	Tr.	6.1
	S. Farnborough	66	44	33	Tr.	-	8.0
	Winchester ...	64	46	42	0.4	-	2.0
	Boscombe Down	63	45	42	-	-	11.1
	Calshot,(S'thmtn)	65	50	46	-	-	9.4
	Dungeness ...	64	51	~~50~~	8	-	*
	Lympne ...	62	46	~~59~~	26	0.6	1.8
2	Shoeburyness	64	49	39	1	-	(4.4)
	Felixstowe ...	60	50	46	15	Tr.	3.8
	Gorleston ...	60	47	46	0.3	-	2.0
	Cranwell ...	63	45	41	5	Tr.	3.5
3	Birmingham ...	59	46	39	5	0.4	5.1
	Upper Heyford	63	41	33	4	-	*
4	Ross-on-Wye ...	63	44	35	0.3	-	6.7
5	Portland Bill...	59	54	*	0.1	-	*
	Plymouth ...	60	52	50	Tr.	-	3.4
	The Lizard ...	61	52	*	Tr.	2	*
	Scilly(St.Mary's)	61	52	*	-	11	11.9
	Guernsey ...	61	52	49	Tr.	-	10.1
6	Pembroke ...	59	52	*	-	3	12.4
7	Holyhead ...	58	47	38	-	-	9.8
	Chester (Sealand)	60	48	44	-	0.3	7.2
8	L'pool (Bidston)	59	51	49	0.1	-	6.3
9	Harrogate ...	58	45	40	0.3	-	1.1
10	Spurn Head ...	60	49	*	2	-	7.7
	Catterick ...	59	45	40	0.3	-	2.4
	Tynemouth ...	57	50	49	5	-	*
11	Inchkeith ...	60	50	42	-	-	7.4
	Leuchars ...	61	46	35	Tr.	-	5.3
12	Renfrew (Abbotts I.)	61	43	38	5	-	3.0
	Eskdalemuir ...	60	40	36	3	0.1	2.3
13A	Tiree	60	46	36	Tr.	-	9.7
13B	Stornoway ...	58	49	*	-	7	13.6
15	Dalwhinnie ...	61	43	35	Tr.	-	2.4
	Aberdeen ...	59	50	49	-	0.1	11.1
	Wick	54	49	*	-	10	*
16	Lerwick ...	58	52	*	-	-	5.9
17	Blacksod Point	59	50	*	-	1	*
18	Malin Head ...	58	50	*	-	-	10.8
	Aldergrove ...	62	47	41	-	-	10.5
	Donaghadee ...	59	50	*	-	-	*
19	Birr Castle ...	61	50	49	-	3	7.5
20	Valentia Obsy.†	56	52	46	Tr.	0.6	0.1
	Roches Point...	63	50	*	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.
KEW	18	cprhtl	cpratlr	cpr,bc	64	49	45	2	Tr.	6.0	*	*	8
CROYDON	217	cpr,tlr	bc,prt	cbc,bw	64	50	47	2	Tr.	6.1	*	*	7
GREENWICH (Royal Observatory) ...	149	ctlr	ctl,rrc	cbc	68	48	40	7	-	3.1	83	74	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	3.9	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	64	49	45	5		3.7	79	70	*
‡REGENTS PK. (Botanic Gardens) ...	168	*	*	*	64	49	45	4		3.6	76	74	
CAMDEN SQUARE	110	cpt	cptlc	*	65	49	47	8	-	*	*	70	*
KENSINGTON	80	bc t	bctlpn	*	63	49	44	5	-	3.3	At 18h. 73	77	*
HAMPSTEAD OBSERVATORY	450	bc,or	ortl	bc	62	46	42	5	Tr.	5.6	*	78	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 20th

South Kensington. Max.	Time.	Min.	Time.
0.3	8h 45m	Nil	0-6h 20m

Kew Observatory. Max.	Time.	Min.	Time.
0.1	20h 30m	< 0.1	0-6h 20m

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 19th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 20th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	998.1	WNW	4	bc,pr.	61	1001.7	W'S	3	c	57
BRUSSELS	996.8	WNW	2	ctr	50	999.1	SW	3	bc	54
BERLIN	997.0	W'S	3	c	64	998.2	W	3	r.r.	52
ZÜRICH	1002.2	SW	2	rr	55	1006.0	SW	3	c	55
ROME	1008.4	SW	4	bc	66	1011.5	E	1	b	68

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
64	50	2	-
61	48	5	1
66	48	-	1
66	50	1	16
?	54	?	-

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.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 8/6 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.

† 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 21st June 1933.

No. 21444

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 20th June														OBSERVATIONS at 18h. G.M.T. 20th June														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base. (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0-10	Cloud. Amount. Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	Weather. 7h.–13h. 20th	Weather. 13h.–18h. 20th	Weather. 18h. 20th to 1h. 21st	Weather. 1h.–7h. 21st
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	994·5	-14	SSW	3	c	65	85	8	8	-	-	9	9	2500	994·2	+6	W	2	c/pr	57	85	6	9	2	-	7·8	9+	1500	1	*	bccpr	cprem$_o$	c.pr$_o$	cbc
	Croydon	995·1	-12	S	4	c	63	85	8	8	7	-	7·8	9	2500	994·9	+4	S'W	4	r$_o$r$_o$	59	75	8	9	2	-	9	9+	1500	1	*	bc●cy	cyr$_o$r$_o$	cir$_o$bc	bcw
	S. Farnborough	995·9	-18	SSW	4	c/pr$_o$	65	65	8	8	8	1	7·8	7·8	4000	994·2	+2	SSW	2	c/r	56	85	8	8	7	-	7·8	10	2500 / 1200	1	*	cpr$_o$	tlr$_o$cr	cr.c	cbbc
	Winchester	993·8	-16	S	4	ir$_o$	60	75	8	8	-	-	7·8	7·8	2500	994·2	-2	WSW	3	u	54	85	8	8	2	-	7·8	10	1500	1	*	cm$_o$d$_o$c	cpr pr$_o$	bc55	crrbcpr$_o$
	Boscombe Down	995·9	-14	SW	3	ir$_o$	54	95	6	3	2	-	9	10	450	994·2	+4	W	1	r$_o$r$_o$	53	95	7	9	1	-	7·8	9+	800	1	*	cdrcR	c cir	cr.bc	bbc
	Calshot, S'thmtn	994·9	-12	SSW	4	bc	64	65	8	8	4	1	4·6	4·6	2500	994·6	-2	SW'S	3	pr$_o$	56	95	7	9	-	-	9+	9+	1500	1	2	cpr$_o$	cpr$_o$	cpr	cPRbc
	Dungeness	*	*	SW	4	q	*	*	7	8	-	*	9+	9+	1500	*	*	SW	1	c/p	*	*	7	3	8	*	9+	9+	800	*	2	bc	pr		p
	Lympne	996·6	-6	SW'S	4	c	58	75	8	5	-	-	9+	9+	1500	995·1	-10	SSW	2	c/pr$_o$	58	85	8	8	7	4	9	9+	2500	1	*	c	cpr$_o$	cprtLrrbc	cprbcc
2	Shoeburyness	995·3	-12	SSW	4	c	66	55	8	1	7	-	4·6	7·8	4000	994·0	-6	SSW	4	c	61	75	8	8	7	-	4·6	7·8	4000	0	*	bccbc	bc	bccr$_o$rc	cw
	Felixstowe	995·6	-14	S'E	3	c/p	60	75	7	9	7	8	7·8	9	1500	994·4	-6	SSE	3	c	61	75	8	8	2	8	4·6	7·8	2500	0	2	b-c	cbc	bcclrc	cbcc
	Gorleston	995·4	-6	SE'E	2	c	60	75	6	8	-	-	9	9	1500	995·2	-4	S	3	c	59	85	6	8	-	-	7·8	7·8	1500	0	2	foem$_o$	cpr$_o$	bcTLRr	orrc
	Cranwell	994·1	-14	SE	1	3$_o$	60	75	6	8	8	-	7·8	9+	2500	993·8	0	-	0	c/tlr$_o$	56	85	6	9	-	-	10	10	2500	1	*	ofec	ctlr$_o$m$_o$	cm$_o$	cpr$_o$m$_o$
3	Birmingham	994·8	-6	SSW	3	pr	53	85	8	9	-	-	9	9	1500	993·3	-2	SSE	1	c	60	65	8	8	7	-	2·3	7·8	4000	1	*	cpr	cPRbc	c	coirm
	Upper Heyford	993·3	-20	SSW	2	c	65	55	8	8	-	-	9	9	2500	993·4	+2	N	1	c/p	58	75	8	9	7	-	7·8	9+	1500	1	*	ocpr	apu	cPR, rr	cRR
4	Ross-on-Wye	993·4	-10	SW	3	c	61	65	8	9	3	-	4·6	7·8	4000	993·3	+4	SW	2	t	56	75	8	3	7	3	7·8	9	4000	0	*	ir$_o$ctPc	c clT	LTrcbc	c
5	Portland Bill	993·9	-10	SW	2	c	58	85	7	7	6	-			2500	994·1	+6	W	4	bc	57	95	8	4	-	-	4·6	4·6	2500	0	3	cirro	cirro	bc	bccpr
	Plymouth	994·8	-6	WNW	3	r/tlR	55	85	8	9	-	-	9+	9+	1500	995·2	+4	SW'W	4	c	59	65	9	8	-	-	7·8	7·8	2500	1	3	cprtlR	cPRpryr	cbvc	cprbc
	The Lizard	995·9	0	W	3	bc r$_o$	59	75	8	8	6	-	4·6	4·6	2500	996·1	0	W	3	bc	58	75	8	8	4	-	2·3	2·3	1500	1	3	bcpr$_o$	bcpr$_o$	bclw	bcpr
	Scilly (St. Mary's)	996·5	+2	WNW	5	bc	60	75	8	2	-	-	4·6	4·6	4000	996·9	0	W'N	4	bc	57	85	8	2	-	-	4·6	4·6	4000	1	2	cp$_o$bc	bcp$_o$	bcc	cpbc
	Guernsey	995·6	-20	WNW	5	c	58	85	8	8	-	-	9+	9+	2500	996·6	+6	NW	5	bc	59	75	8	7	-	-	4·6	4·6	1500	1	3	odirc	cbc	bc	bc
6	Pembroke	994·5	-4	WSW	3	bc	56	85	7	2	6	-	2·3	4·6	2500	993·6	-4	W	2	bc	56	85	7	7	7	-	2·3	4·6	4000	0	2	cprcbc	bc	cbc	bccbc
7	Holyhead	994·7	-6	NW'N	3	bc u	59	85	7	3	-	-	2·3	2·3	1500	994·9	0	N'W	2	u	58	85	7	3	-	3	2·3	2·3	2500	0	1	cbc	bct	cub	bbcc
	Chester (Sealand)	992·1	-14	E'S	2	bc	67	55	7	2	3	3	4·6	4·6	4000	993·1	+2	NW'N	1	c	60	75	6	5	3	1	7·8	7·8	1500	1	*	m$_o$bc	PRtuc	cm	cofm
8	L'pool (Bidston)	992·1	-10	E	1	3$_o$	65	55	5	5	-	-	2·3	2·3	1500	993·6	+2	NE'N	2	3$_o$	55	85	5	8	1	-	7·8	9	800	2	*	cm$_o$bc	cytlRemir	rco	mc
9	Harrogate	993·1	-6	SE	3	bc	63	55	7	2	1	1	2·3	4·6	4000	993·5	0	SE	3	c	59	75	6	5	-	-	9+	9+	4000	0	*	cbc	bcc	bcc	c
10	Spurn Head	994·3	-2	E'S	4	c	59	85	7	5	2	8	2·3	7·8	2500	993·9	-2	E	4	c	55	95	6	5	2	-	4·6	7·8	2500	0	3	fbcc	bc	cw	bc
	Catterick	993·5	-14	-	0	bc	65	55	7	2	-	-	4·6	4·6	2500	992·8	0	ESE	2	bc	63	65	8	8	-	4	4·6	4·6	4000	0	*	ocbcy	bcy	bcb	bwm$_o$m
	Tynemouth	994·0	-6	E	2	bc	57	85	7	2	-	1	4·6	4·6	2500	993·5	0	SE	2	bc	56	85	7	2	6	-	2·3	4·6	2500	1	1	cbc	bc	bcc	cbc
11	Inchkeith	994·3	-12	SW	1	c	62	65	8	5	-	7	7·8	10	2500	993·0	-2	SW	1	c	63	55	8	4	9	-	4·6	9+	2500	0	0	c	c	cbc	bccz$_o$
	Leuchars	993·6	-10	SW	3	c	63	55	8	2	-	7	4·6	10	2500	992·8	-2	SSE	3	c/pr$_o$	64	65	8	8	3	8	7·8	9+	4000	0	*	cwcy●	cyv●pr$_o$	cpr$_o$pr	bcWbc
12	Renfrew (Abbotts I)	993·9	-12	W	2	c	64	65	8	2	-	8	4·6	9+	4000	993·3	-2	WNW	3	c	61	65	9	3 2	87	-	12	9+	2500 / 4000	0	*	cbcc	ccv	cb	bbcwm$_o$
	Eskdalemuir	992·8	-10	SW	1	c	60	55	8	7	-	2	4·6	9	2500	992·4	-2	-	0	c	61	65	8	8	7	1	1	9	4000	1	#	biobccy	cycl	ctc	cbc
13A	Tiree	995·1	-8	NW	3	c	56	85	8	8	1	8	2·3	9+	2500	994·7	0	NW'W	2	c	55	85	8	8	1	-	9+	10	1500	0	2	cir$_o$	c	cir rr	crr
13B	Stornoway		-4	NNE	1	c	57	95	6	8	2	-	7·8	10	1500		+4	NE	3	r$_o$r$_o$	55	95	6	9	2	-	7·8	10	1500	1	1	cpr·c	cr$_o$r$_o$	cr$_o$r$_o$m$_o$	cpr$_o$
15	Dalwhinnie	995·3	-8	NE	1	ir	53	85	8	4	4	-	4·6	10	2500	993·5	0	-	0	c	54	85	8	4	4	-	7·8	10	2500	1	*	ir	ir		ir
	Aberdeen	992·5	-4	WNW	3	dd	56	85	6	6	2	-	4·6	10	1500	993·0	+4	S	2	d$_o$d$_o$	56	85	6	6	2	-	4·6	10	2500	1	1	cr$_o$dd	cdd d$_o$	c.d$_o$c	cbcw
	Wick	991·9	-8	NNE	3	c	56	95	8	5	7	1	4·6	7·8	2500	992·6	0	NNE	3	r$_o$r$_o$	55	95	7	6	2	-	7·8	10	1500	1	2	crrc	cr$_o$r	circ	Ffc
16	Lerwick	993·8	-10	N'E	3	bc	60	85	8	5	3	8	2·3	4·6	1500	994·1	0	NNE	3	c	58	95 / 85	8	5	9	2	2·3	7·8	1500	0	*	cbc	bccm	com$_o$	ocir
17	Blacksod Point	995·8	+2	N	3	c	58	85	8	7	-	-	7·8	7·8	450	996·0	+2	N	3	bc	57	85	8	2	-	-	4·6	4·6	800	0	2	cbc	bc	ir$_o$	iR
18	Malin Head	994·9	0	N'E	3	bc	58	85	7	2	9	2	1	4·6	4000	995·4	+4	N'W	3	c	55	85	7	4	1	2	2·3	5+	1500	0	1	cbc	bc	cpr$_o$	cpr$_o$
	Aldergrove	994·3	-6	ENE	2	3$_o$	63	65	8	2	-	-	7·8	7·8	4000	994·4	+4	NNW	4	c/tlr$_o$	62	65	8	3	3	5	4·6	7·8	4000	1	*	cbcz$_o$	cp$_o$t	cbc	bcc
	Donaghadee	994·4	-2	N'E	1	bc	57	85	7	8	3	-	2·3	4·6	2500	994·1	-2	N'E	2	bc	58	75	8	7	3	2	2·3	4·6	2500	0	1	cbc	bc	bc	bc
19	Birr Castle	994·2	-2	NW	1	pr	59	75	7	9	-	-	9	9	2500	994·4	+4	NW	1	pr	55	95	7	9	-	-	9+	9+	2500	1	*	cpr	cpr	prc	c
20	Valentia Obsy.	996·4	-2	NNW	4	c	58	75	8	8	-	6	2·3	7·8	1500	997·1	+2	NW'W	3	c/pr	55	85	8	5	-	-	9+	9+	800	0	2	cbcc	cpr$_o$c	cpr$_o$c	cp$_o$cir$_o$
	Roches Point	995·4	-8	NW	4	bc	57	75	9	3	-	-	4·6	4·6	2500	995·0	-6	NW	5	bc	58	85	9	3	-	-	4·6	4·6	2500	0	4	cprphbcy	bcpbcy	bcrp$_o$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.
j, precipitation within sight of station.
k, 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.*

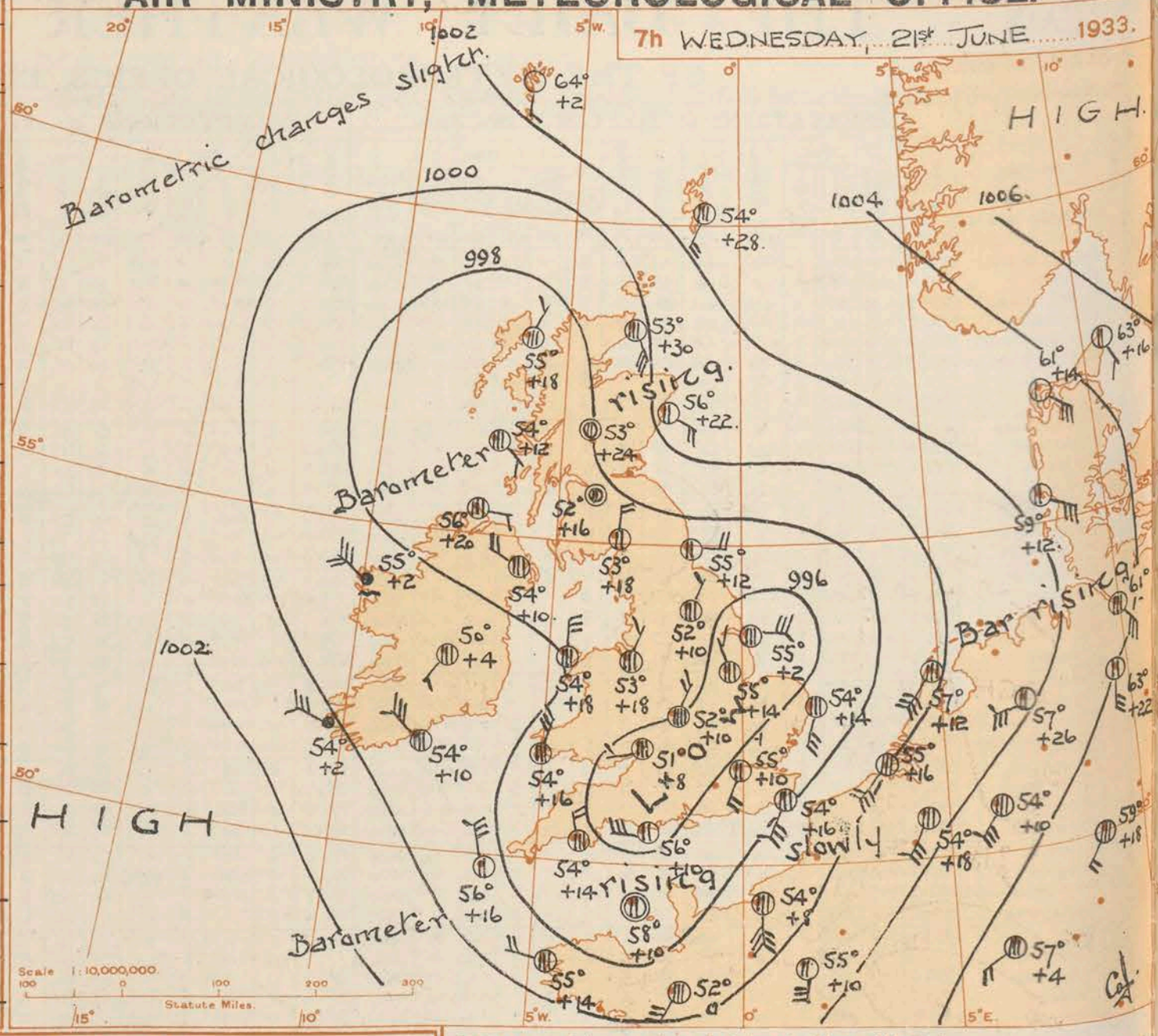
REPORTS from HEALTH RESORTS for 20th June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 12m. to 9h. 20m.	Temperature. Max. 9h.—17h. 20m.	Rainfall. Night. 17h. 12m. to 9h. 20m.	Rainfall. Day. 9h.—17h. 20m.	Sunshine. Sunrise to 17h. 20m.	Sunshine. Sunrise to Sunset. 12m.
1	Tunbridge W.	bcc	bco	42	64	-	-	3.4	6.1
	Bournemouth	obc	oc	50	62	-	-	2.1	7.8
	Ventnor ...	ocbc	bcorc	53	62	-	4	2.6	10.5
	Southsea ...	ocb	bcorc	54	63	-	2	2.6	11.7
	Bognor Regis	bcbc	bccR	51	62	-	7	3.9	9.8
	Littlehampton	c	bccr	49	60	-	7	1.8	7.9
	Worthing ...	c	coRR	50	60	-	13	2.2	8.0
	Brighton ...	c	tbccor	53	60	-	8	2.1	6.5
	Eastbourne†	oc	corr	52	60	1	3	1.5	4.7
	Hastings† ...	cbcc	cbccop	48	61	0.2	0.1	1.5	4.3
	Folkestone ...	bc	bc	47	62	0.2	-	5.2	3.5
	Dover... ...	bcc	cbc	51	62	-	-	6.9	5.0
	Deal	bcc	bc	49	62	-	-	5.2	4.5
	Ramsgate ...	bc	bc	50	62	-	-	7.4	5.9
	Margate ...	bcc	cbc	50	63	-	-	7.1	5.1
2	Southend ...	c	cbc	49	65	-	-	6.5	3.9
	Maldon ...	bbcc	cbcb	46	68	-	-	6.3	4.3
	Clacton-on-Sea	bc	bc	50	63	3	-	6.8	4.4
	Dovercourt ...	bc	bc	49	64	Trace	Trace	7.5	3.9
	Lowestoft ...								
	Skegness ...	bco	oc	47	59	Trace	-	4.6	4.7
	Mablethorpe	bcc	co	42	60	Trace	-	5.5	2.9
	Cleethorpes ...	bc	bco	50	62	-	-	5.7	5.3
3	Leamington S.	cpr	bccpr	44	62	3	4	2.3	4.7
4	Cheltenham†	ocp.	cirtc	44	64	-	2	1.9	5.1
5	Bath	bccp	trcbc	52	63	-	2	2.7	10.0
	Weymouth ...	cbc	cbccb	54	64	-	-	4.0	8.2
	Jersey ...	rcr	rcbcc	54	60	1	15	3.3	8.2
	Torquay ...	bccpc	tlrpcp	53	62	-	1	2.4	6.1
	Penzance ...	cbpcb	cbpbc	52	61	1	2	7.5	7.9
	St. Ives ...	pr	b	51	59	6	1	7.4	2.7
	Bude	bc	bccp	53	60	0.4	0.5	7.8	3.0
	Ilfracombe ...	b	bbc	55	60	-	-	8.4	11.6
6	Aberystwyth	tlcir	cirbc	46	61	1	4	3.4	7.2
7	Llandudno ...	bc	bcp.c	46	63	-	Trace	6.3	7.6
	Colwyn Bay...	bbcbc	robro	45	60	-	7	4.4	6.1
	Rhyl	bbc	bccpr	44	64	-	0.3	5.5	7.6
8	Wallasey ...	mcbc	cotlrko	51	65	-	13	2.3	4.3
	Southport‖ ...	coc	otco	47	64	-	-	3.8	2.9
	Blackpool ...	co	top	46	62	-	1	3.9	2.6
	Morecambe ...	cbccb	cbbcc	47	66	-	-	5.7	2.3
9	Ilkley... ...	cbcc	cbc	50	64	-	-	3.4	1.4
10	Berwick-on-T.	bc	o	48	63	-	-	5.7	6.3
11	Dunbar ...	bc	bc	49	63	-	-	4.8	6.7
12	Troon... ...	wbc	cbc	47	61	-	-	11.3	1.4
	Douglas ...	cbjbc	cbbc	50	61	-	-	7.0	9.4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 21st JUNE 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st June, 1933.
1. S.E. England 2. E. England...	Wind southwest or variable, light or moderate; showers perhaps local thunderstorms; bright periods; rather low to moderate temperature.
3. E. Midlands 4. W. Midlands	Wind northerly or variable, light; showers, perhaps local thunderstorms; bright periods; rather low to moderate temperature.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind northwest, light or moderate; bright periods; showers, perhaps local thunderstorms; rather low to moderate temperature.
9. N Midlands	As 3 - 4.
10. N.E. England 11. S.E. Scotland	Wind easterly, light or moderate; mainly fair, but perhaps showers; rather low to moderate temperature.
12. S.W. Scotland & Isle of Man 13. A. W Scotld. B. N W Scotland	Wind variable, light; variable cloud; showers; chance of local thunderstorms; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind southeast or south, light; mainly fair; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northwest, moderate, perhaps backing and freshening; cloudy; showers; perhaps more general rain later; rather low to 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 1/10 to 5/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⚡ Thunderstorm. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An irregular area of low pressure lies over the British Isles but barometric pressure is rising in most parts of the country. There will be further showers and perhaps local thunderstorms, but also bright periods.

FURTHER OUTLOOK.

Rather unsettled; bright periods.

Forecasts issued at 1030 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
JUNE 21st
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 21st June 1933.

No. 26144

OBSERVATIONS at 1 hr. G.M.T. 21st June

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. (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	995·2	+2	S'W	3	b	51	95	7	-	3	-	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	996·0	+2	SW'W	2	bc	51	95	9	8	6	-	4-6	4-6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	995·1	+6	-	0	rr	56	95	6	6	-	-	10	10	800
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	994·9	+2	W	4	bc	55	95	8	4	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	995·7	-2	W	3	bc	52	95	8	8	4	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	996·2	-4	NW'W	3	c	53	95	8	2	-	-	7-8	7-8	4000
	Guernsey ...	175	997·1	-6	WSW	2	bc	52	95	8	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	996·3	+6	NW	1	bc	53	85	7	4	6	-	2-3	4-6	4000
7	Holyhead ...	26	995·7	+4	N'W	4	b	53	95	7	5	-	-	Tr	Tr	7200
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	993·9	0	SSE	3	c	56	95	7	5	2	-	4-6	9	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	995·1	+4	SSE	2	c	53	95	7	5	-	-	7-8	7-8	1500
11	Inchkeith ...	190	994·6	+10	SW	2	bc	54	85	7	5	3	-	4-6	4-6	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	-	0	NNE	2	c	53	95	6	8	2	-	4-6	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	87	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	994·3	+4	E	2	c	52	95	7	8	2	-	7-8	10	1500
16	Lerwick ...	54	997·8	+26	SSE	2	o	54	95	6	5	-	-	10	10	450
17	Blacksod Point	18	996·5	+6	WNW	3	ir	53	95	7	5	-	-	10	10	1150
18	Malin Head ...	52	995·3	-2	W	3	c	54	95	7	8	1	-	9	10	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1000·1	+26	N'W	5	b	53	95	8	-	4	-	0	1	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 21st June

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)
997·3	+14	SW	3	bc	57	65	8	8	3	1	2-3	4-6	2500	1	*
997·0	+10	SSW	2	bc	55	85	8	8	3	-	2-3	4-6	4000	1	*
996·9	+12	SW	2	bc	57	75	8	2	3	1	4-6	2500	1	*	
996·8	+16	-	0	bc/f	51	95	6	1	-	2	4-6	4-6	2500	1	*
996·3	+10	-	0	c	51	95	7	7	-	6	2-3	7-8	4000	1	*
996·6	+10	W	1	c/p	56	85	8	3	1	8	4-6	7-8	800	1	0
*	*	SW	4	c/pr	*	*	7	8	-	*	9	9	1500	*	3
998·3	+16	SW'S	4	c	54	95	8	8	6	1	7-8	7-8	1500	1	*
997·6	+20	SSW	3	c	57	85	8	8	9	3	7-8	9	2500	1	*
996·8	+18	SW'S	3	c	55	85	7	8	-	-	9	9	4000	1	2
996·2	+14	SW	3	c	54	95	6	6	3	-	2-3	7-8	2500	1	2
995·2	+14	NW	1	c	55	95	6	5	3	-	9	9+	1500	1	*
996·4	+10	NNE	2	o/r	52	95	4	6	-	-	10	10	800	1	*
996·6	+20	NE	1	RR	49	95	5	6	2	-	9+	9+	450	1	*
995·9	+8	WSW	1	c	51	95	6	5	3	9	7-8	9	2500	1	*
995·9	+10	W	3	bc	56	85	8	4	-	-	2-3	2-3	2500	0	3
996·6	+14	NNW	2	if	54	85	8	8	6	-	1	7-8	2500	1	0
997·0	+16	NW	3	bc	55	85	8	8	6	-	4-6	4-6	2500	1	2
998·3	+16	N'W	4	bc	56	95	7	8	5	-	2-3	4-6	4000	1	2
997·0	+10	-	0	bc	58	85	8	8	-	-	4-6	4-6	2500	0	3
996·6	+16	NNE	3	bc	54	85	7	7	7	-	2-3	4-6	4000	0	1
998·3	+18	N'W	3	c	54	85	7	5	-	3	2-3	9+	800	0	2
996·6	+18	NE'N	1	m	53	85	4	5	-	-	9+	9+	2500	1	*
996·8	+16	-	0	m	55	85	4	-	-	7	0	9	-	1	*
996·9	+10	NE	1	c	52	85	6	5	2	-	9	10	2500	0	*
994·7	+2	E	4	c	55	85	7	3	7	-	4-6	9	2500	0	2
997·3	+14	NNW	2	o	52	85	5	5	-	-	10	10	800	0	*
997·6	+12	E	2	bc	55	85	7	2	-	1	2-3	4-6	2500	1	1
997·8	+20	NNE	2	c	54	85	6	5	-	-	9	9	1500	0	1
998·2	+24	ESE	2	bc	56	85	7	2	4	1	4-6	4-6	4000	0	*
998·1	+18	-	0	3o	52	95	6	5	3	-	1	2-3	4000	0	*
997·4	+18	N'E	2	bc	53	85	7	2	-	1	2-3	4-6	1500	1	*
997·4	+24	SE	1	c	54	95	9	5	3	-	7-8	9+	1500	1	1
	+18	NNE	1	c/pr	55	95	7	4	4	-	4-6	9+	4000	1	0
999·3	+24	-	0	bc	53	85	8	4	1	-	2-3	4-6	4000	1	*
1000·2	+22	ESE	2	bc	56	85	7	8	-	-	2-3	2-3	1500	1	1
999·4	+30	SSE	3	c	53	95	8	8	1	-	7-8	9+	2500	1	2
1002·4	+28	SSW	2	c	54	95	7	5	7	1	4-6	7-8	1500	0	*
998·4	-2	NW	5	IR	55	95	7	6	-	-	10	10	1150	1	4
997·8	+20	E	1	c	56	85	7	8	-	-	9+	9+	450	0	1
997·6	+10	NW	2	c	54	85	8	8	3	-	9	9+	800	0	*
997·5	+10	NNW	1	bc	56	85	7	7	3	-	4-6	4-6	2500	0	0
998·5	+4	SW	1	c	50	95	7	5	-	-	9+	9+	2500	1	*
1000·3	+2	WNW	4	ir	54	95	7	6	-	-	10	10	800	1	3
999·8	+10	NW	4	c	54	85	8	3	-	4	2-3	7-8	2500	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 20th Hrs. (36)
67	51	47	4	Tr.	5.0
68	49	46	Tr.	1	5.8
67	46	33	1	Tr.	3.3
63	40	34	0.4	2	1.7
58	44	36	10	0.1	0.3
65	49	45	1	4	3.2
62	52	*	Tr.	1	*
60	49	47	Tr.	2	4.8
67	52	50	-	Tr.	8.7
64	53	50	-	1	3.2
62	51	51	Tr.	35	1.9
65	51	49	0.4	0.1	1.5
62	51	49	4	2	5.4
65	48	48	0.5	34	*
63	47	42	2	3	1.3
59	53	*	0.6	1	*
61	49	41	1	1	7.0
61	52	*	1	2	*
62	53	*	0.2	3	12.5
60	51	46	4	-	6.1
57	49	*	Tr.	-	9.1
60	52	47	-	-	5.5
68	50	46	1	-	6.9
65	51	49	23	0.1	3.3
64	48	47	-	-	5.5
60	52	*	-	Tr.	8.8
65	46	44	-	-	6.9
66	47	41	-	-	*
65	49	46	-	-	6.3
66	51	47	-	-	2.2
62	47	37	Tr.	0.5	5.1
62	45	41	-	-	6.1
57	52	51	Tr.	8	0.8
57	53	*	4	4	0.0
54	46	37	2	3	0.3
57	52	51	0.5	Tr.	0.0
58	52	*	3	2	*
63	53	*	-	1	0.5
60	52	*	-	8	*
58	52	*	-	Tr.	8.9
64	46	39	Tr.	-	5.5
60	47	*	-	-	*
61	44	34	6	0.2	1.2
59	53	49	Tr.	0.5	8.8
62	52	*	3	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	bc cpr	cpr cm.	cpr cb	67	51	47	4	Tr.	5.0	*	*	8
Croydon	217	bc c y	c y r.	c ir bc w	68	49	46	Tr.	1	5·8	*	*	8
Greenwich (Royal Observatory) ...	149	c	c	c d d c	69	49	44	-	1	3·4	64	69	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	65	52	48		1	4·3	55	61	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	67	51	46	3		4·3	73	67	
Camden Square	110	c	c or c	*	69	51	48	4	-	*	*	62	*
Kensington	80	c b c	b c	*	66	51	46	3	-	5.0	At 18h. 95	63	*
Hampstead Observatory	450	b c p	o r	o	64	48	39	5	3	2·8	*	65	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 21st.

South Kensington. Max.	Time.	Min.	Time.
0·3	19h 20m.	Nil	20h 20th–5h 21st

Kew Observatory. Max.	Time.	Min.	Time.
0·1	Whole period.		

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 20th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 21st June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	997·0	W	7	w	66	1002·2	SSW	3	bc	55
Brussels	996·6	SSW	4	bc	63	1001·2	SSW	4	c	54
Berlin	1002·1	SW	2	c	64	1005·8	SE'S	1	bc	64
Zürich	1004·2	WNW	4	c/p	68	1007·8	WNW	2	c/r	54
Rome	1012·3	W	4	bc	68	1012·7	WNW	1	bc	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
66	50	1	-
64	50	Tr.	4
68	52	0·2	-
75	54	0·2	11
75	54	-	-

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.

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 22nd June 1933.

No. 26.145

OBSERVATIONS at 13h. G.M.T. 21st June

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)	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)	999·1	+16	SW	2	c/pr	61	75	8	2	-	8	4·6	7·8	2500
	Croydon	998·9	+6	WSW	2	c/pr$_o$	60	65	8	8	7	8	4·6	7·8	1500
	S. Farnborough	998·8	+10	SW'W	2	c/pr	60	65	8	8	1	-	7·8	9	2500
	Winchester	998·6	+8	SSW	3	c/r$_o$	59	75	8	8	-	6	4·6	9	2500
	Boscombe Down	999·9	+6	SSW	2	c	61	55	8	7	-	8	7·8	9+	2500
	Calshot, S'thmtn	998·6	+8	SSW	3	c	64	55	8	8	4	3	4·6	7·8	2500
	Dungeness	*	*	SSW	3	bc	*	*	7	8	-	*	4·6	4·6	4000 800
	Lympne	1000·3	+10	SSW	3	c	59	75	8	8	-	-	7·8	7·8	1500
2	Shoeburyness	999·3	+8	SSW	4	c	65	55	8	8	4	3	7·8	7·8	4000
	Felixstowe	999·6	+14	S'E	4	bc	63	65	9	8	-	1	4·6	4·6	4000
	Gorleston	999·0	+4	SSE	6	bc	60	75	7	9	-	-	4·6	4·6	2500
	Cranwell	998·2	+14	SW	1	r$_o$r$_o$	56	95	6	6	2	-	9	10	800
3	Birmingham	998·1	+8	SW	2	c/tr$_o$	56	85	5	9	2	-	9	10	1500
	Upper Heyford	999·0	+12	SSW	2	r$_o$r$_o$	53	85	8	9	2	-	7·8	10	1500
4	Ross-on-Wye	997·9	+8	SW	1	c	59	75	7	6	1	-	2·3	10	2500
5	Portland Bill	998·9	+10	W	3	c	60	75	8	4	4	-	4·6	7·8	2500
	Plymouth	998·8	+10	NNW	4	r$_o$r$_o$	56	85	7	6	2	-	9	9+	800
	The Lizard	999·7	+4	NNW	3	c	62	75	8	8	6	-	4·6	7·8	2500
	Scilly (St. Mary's)	1000·8	+10	N'W	4	c	60	75	7	8	7	-	4·6	7·8	4000
	Guernsey	999·0	+8	-	0	PR	57	85	8	8	-	-	7·8	7·8	1500
6	Pembroke	999·0	+6	NW	1	bc	56	85	9	1	4	4	Tr.	4·6	5700
7	Holyhead	1000·7	+8	NNW	3	b	58	85	8	2	-	-	1	1	2500
	Chester (Sealand)	998·1	+8	WNW	4	pr$_o$	58	85	6	8	-	-	7·8	7·8	2500
8	L'pool (Bidston)	998·3	+10	NNW	3	bc	59	85	6	5	-	-	4·6	4·6	2500
9	Harrogate	999·0	+6	-	0	pr	56	85	9	3	1	-	9	10	2500
10	Spurn Head	997·5	+6	ENE	3	c	61	85	7	3	3	-	4·6	9	2500
	Catterick	998·6	+4	NNE	3	c	63	65	7	2	6	3	4·6	7·8	2500
	Tynemouth	999·4	+8	N	2	bc	57	95	6	2	-	2	2·3	4·6	2500
11	Inchkeith	1001·5	+14	E	3	c	62	75	8	2	5	2	2·3	7·8	4000
12	Leuchars	1001·6	+4	E	3	c	62	65	8	2	-	2	2·3	7·8	2500
	Renfrew (Abbotts L)	1000·3	+6	NE'E	4	bc	66	55	8	1	-	6	1	4·6	4000
	Eskdalemuir	999·4	+8	NE	3	c	62	55	8	7	-	-	9	9	4000
13A	Tiree	1001·0	+16	ESE	2	c	61	65	9	2	4	2	Tr.	7·8	4000
13B	Stornoway		+16	SSE	2	bc	60	85	9	8	7	-	2·3	4·6	2500
15	Dalwhinnie	1001·5	+2	-	0	bc	65	55	8	4	1	-	2·3	4·6	4000
	Aberdeen	1002·7	+6	ENE	3	bc	59	85	8	3	-	3	2·3	4·6	2500
	Wick	1003·2	+14	E	3	c	56	95	8	8	3	3	4·6	7·8	2500
16	Lerwick	1006·8	+10	SE	3	c	58	85	7	5	7	-	7·8	9+	1500
17	Blacksod Point	1002·0	+20	N	5	iR	55	95	7	6	-	-	10	10	<150
18	Malin Head	1000·9	+20	E'N	3	bc	58	85	7	2	-	3	1	4·6	1500
	Aldergrove	999·9	+10	-	0	bc	64	75	9	2	6	-	4·6	4·6	4000
	Donaghadee	1000·2	+8	NNW	2	bc	59	75	8	7	-	-	2·3	2·3	2500
19	Birr Castle	999·9	+14	N	1	c	61	75	8	8	-	-	9+	9+	2500
20	Valentia Obsy.	1002·6	+18	NNW	5	r$_o$r$_o$	55	95	7	6	-	-	10	10	800
	Roches Point	1000·9	+8	NW	2	pr$_o$	57	85	9	6	-	-	7·8	7·8	2500

OBSERVATIONS at 18h. G.M.T. 21st June

Dist.	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)	1001·2	+20	WSW	2	pr	59	75	8	3	-	3	4·6	4·6	2500	1	*
	Croydon	1001·0	+12	S'E	3	c	62	55	8	8	-	6	4·6	7·8	4000	1	*
	S. Farnborough	1001·0	+16	SSW	2	c/pr	62	65	8	9	-	6	4·6	7·8	2500	0	*
	Winchester	1001·4	+16	W	3	PR	54	95	8	9	-	-	9+	9+	2500	1	*
	Boscombe Down	1000·5	+20	S	1	c/r$_o$	54	95	8	5	2	-	9+	10	4000	1	*
	Calshot, S'thmtn	1001·1	+14	SW	3	u	61	65	8	8	-	3	4·6	4·6	4000	0	1
	Dungeness	*	*	SE'S	1	bc	*	*	7	8	-	*	2·3	2·3	1500	*	1
	Lympne	1002·3	+12	SSE	2	b	58	75	9	1	-	1	Tr.	1	4000	0	*
2	Shoeburyness	1002·2	+22	SSW	3	bc	60	85	8	8	-	3	2·3	4·6	4000	1	*
	Felixstowe	1001·7	+10	SE'S	4	bc	59	75	9	3	-	3	2·3	4·6	4000	0	1
	Gorleston	1002·0	+16	SSE	5	bc	60	75	7	4	-	4	1	4·6	2500	0	3
	Cranwell	1000·9	+16	SE'S SW'S	1	c/r	55	95	6	8	7	-	7·8	9+	2500	1	*
3	Birmingham	1001·6	+14	W	1	m	55	95	4	4	7	-	2·3	4·6	4000	1	*
	Upper Heyford	1001·1	+12	W	1	r$_o$r$_o$	58	85	7	6	7	8	1	9	2500	1	*
4	Ross-on-Wye	1001·3	+14	WNW	1	3$_o$	57	75	6	5	2	8	1	9	2500	1	*
5	Portland Bill	1001·8	+14	WSW	3	c	57	85	8	5	4	-	7·8	7·8	2500	0	2
	Plymouth	1001·4	+16	NW	4	c	60	65	8	8	-	3	4·6	7·8	2500	1	2
	The Lizard	1002·2	+20	N'W	3	bc	58	85	8	7	-	-	2·3	2·3	2500	1	2
	Scilly (St. Mary's)	1003·6	+14	N'W	2	bc	58	75	8	8	-	-	2·3	2·3	4000	0	2
	Guernsey	1001·4	+20	NW	1	bc	59	75	8	8	-	1	4·6	4·6	2500	1	1
6	Pembroke	1002·1	+16	NW	2	bc	57	85	7	1	1	-	2·3	2·3	4000	0	1
7	Holyhead	1002·9	+18	NW'W	3	bc	51	85	7	-	-	5	0	2·3	-	0	1
	Chester (Sealand)	1001·2	+12	W	1	c/r	56	85	6	5	3	-	7·8	9+	2500	1	*
8	L'pool (Bidston)	1001·9	+14	WSW	1	d	57	85	6	6	1	-	4·6	9	1500	1	*
9	Harrogate	1001·0	+6	NNE	2	c	57	85	7	6	8	-	7·8	9+	2500	1	*
10	Spurn Head	999·8	+8	SSE	2	c/pr	58	95	7	3	4	-	2·3	7·8	2500	1	1
	Catterick	1000·9	+16	NE	1	cjp	59	85	7	8	3	-	7·8	7·8	2500	0	*
	Tynemouth	1001·2	+12	SW	1	o/r	55	95	7	6	-	-	10	10	1500	1	1
11	Inchkeith	1002·9	+2	E	3	bc	60	85	8	2	6	2	Tr.	4·6	2500	0	2
12	Leuchars	1003·1	+8	ENE	3	bc	57	85	7	5	-	2	1	4·6	800	0	*
	Renfrew (Abbotts L)	1002·0	+10	ENE	3	bc	64	55	8	1	-	1	2·3	4·6	4000	0	*
	Eskdalemuir	1001·0	+10	NE'N	4	bc	59	75	8	7	-	1	2·3	4·6	4000	1	*
13A	Tiree	1002·6	+6	-	0	bc	59	85	9	-	7	9	0	2·3	-	0	1
13B	Stornoway		+6	SE	1	c	59	85	9	8	4	-	4·6	7·8	2500	1	0
15	Dalwhinnie	1002·7	+10	S	2	c	57	65	8	4	2	-	4·6	10	2500	0	*
	Aberdeen	1003·8	+4	NE'N	3	bc	57	85	8	8	-	3	2·3	4·6	1500	1	1
	Wick	1004·1	+4	E	3	bc	55	95	8	5	3	8	2·3	4·6	2500	0	2
16	Lerwick	1007·6	+14	ESE	3	bc	55	95	8	2	3	-	2·3	4·6	1500	0	*
17	Blacksod Point	1004·9	+16	N	3	DD	54	95	7	6	-	-	10	10	<150	1	3
18	Malin Head	1002·3	+8	N	1	c	58	85	7	2	5	-	Tr.	7·8	2500	0	1
	Aldergrove	1001·8	+10	-	0	c	66	65	8	2	9	3	1	9	4000	0	*
	Donaghadee	1001·5	+8	NNW	2	bc	57	85	87	?	3	2	2·3	4·6	2500	0	1
19	Birr Castle	1002·0	+14	N	1	c	65	55	8	8	-	-	7·8	7·8	2500	1	*
20	Valentia Obsy.	1006·0	+18	NNW	5	c	55	95	8	5	-	-	10	10	800	1	4
	Roches Point	1003·6	+20	W	1	c	57	95	9	9	-	1	7·8	7·8	2500	0	2

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 21st. (37)	13h.–18h. 21st. (38)	18h. 21st to 1h. 22nd. (39)	1h.–7h. 22nd. (40)
1	London (Kew)	bcpr	cprPRH	cprbcb	boFw
	Croydon	bcepr$_o$	bcy	bcbw	bwzo
	S. Farnborough	cpr	cpr$_o$bcc	cjpbw	bwbc
	Winchester	bcm$_o$cr$_o$	ccPR	cPRbc	bcjf
	Boscombe Down	bcc	cpr r$_o$r$_o$	c	coffw
	Calshot, S'thmtn	cprbc	bcy	bcbw	bwojfe
	Dungeness	bc	bc	*	bc
	Lympne	cpr$_o$bc	bcbv	bv	bwbcmo
2	Shoeburyness	cprc	cybcy	bc	bc
	Felixstowe	cvbcv	bcv	bcjb	bwbj
	Gorleston	ctlr$_o$	bcq	bcb	bbcmo
	Cranwell	corRrrt	rr pr$_o$	cmo	cm$_o$of
3	Birmingham	cplr$_o$	otlrr	bccm	cm
	Upper Heyford	crr r$_o$	r$_o$r$_o$ctr$_o$	cr$_o$c	cij
4	Ross-on-Wye	corc	ctc	cg	cmcj
5	Portland Bill	bcc	c	cbc	bc
	Plymouth	cifrr	cr$_o$tlrRbc	bcb	b,c
	The Lizard	bcc	cbc	bcbw	bbccw
	Scilly (St. Mary's)	bcc	cbc	bcb	bbccw
	Guernsey	bccpr	cbc	bcw	bcwc
6	Pembroke	bcbbcv	bc	bcb	bbcm$_o$c
7	Holyhead	tcbc	b	bbcc	c
	Chester (Sealand)	bc3$_o$pr$_o$	u tlrR	cir$_o$t	bcwff
8	L'pool (Bidston)	cbc	bccRcidm$_o$idem$_o$		m$_o$cbw
9	Harrogate	bccP	cP	cb	coFd$_o$
10	Spurn Head	prc	cpr	cbcw	bc
	Catterick	om$_o$cpr$_o$	bccpr$_o$	cpr	ocfcm
	Tynemouth	bc	bcoir	coir$_o$	obcm
11	Inchkeith	c	cbc	ORR	oRRc
12	Leuchars	bcc	cbc	cRr$_o$rc	c
	Renfrew (Abbotts L)	bmcbc	bcby	bycbc	coffw
	Eskdalemuir	bcycy	bcy bc	bcc	cbcbw
13A	Tiree	cbc	bc	bcc	c
13B	Stornoway				
15	Dalwhinnie	cbc	bcc	cbc	bc
	Aberdeen	bc	bc		c
	Wick	bc	bccbc	ctlr$_o$	cm$_o$
16	Lerwick	c	cbc	bcc	c
17	Blacksod Point	c	cbc	bccpr$_o$	cpr$_o$m$_o$
18	Malin Head	irq	R	D	d$_o$
	Aldergrove	cbc	bc	c	c
	Donaghadee	bcb	bbc	c	ccm$_o$w
19	Birr Castle	c	ct	c	cm$_o$
20	Valentia Obsy.	c	cr$_o$r$_o$c	coid$_o$cpr	corrc
	Roches Point	cp$_o$	cp$_o$cv	cp$_o$c	cp$_o$c cprcrpp$_o$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 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.*

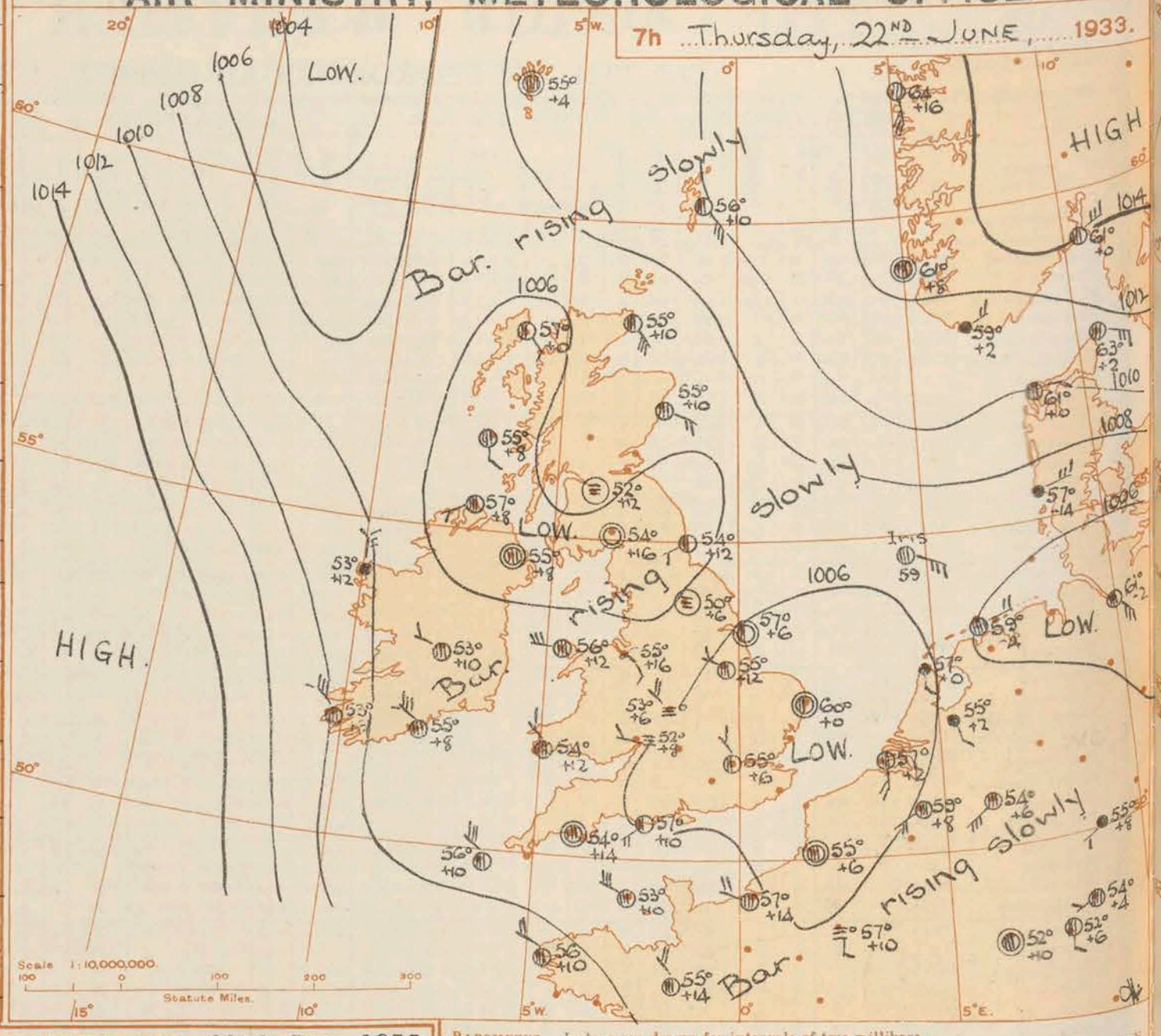
REPORTS from HEALTH RESORTS for ...21st. June.....1933.

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.	odbc	bc	49	66	4	Trace	10·4	3·4
	Bournemouth	bccb	b	45	65	–	-	6·0	3·3
	Ventnor ...	pbcb	b	52	66	0·3	-	10·1	2·6
	Southsea ...	cb	bcb	51	63	4	-	7·6	2·6
	Bognor Regis	bc	bcb	53	63	5	-	10·3	4·0
	Littlehampton	bc	bc	51	60	7	-	11·4	2·1
	Worthing ...	bc	bcb	51	61	10	-	10·8	2·3
	Brighton ...	bcb	b	53	61	3	-	10·6	2·4
	Eastbourne†	bc	bcb	54	62	1	-	10·5	1·5
	Hastings† ...	cbc	bcb	51	61	2	-	8·9	1·5
	Folkestone ...	pbc	b	52	63	4	-	11·5	5·3
	Dover... ...	bc	bc	52	62	8	-	10·5	7·0
	Deal	b	b	51	64	7	-	10·5	5·2
	Ramsgate ...	bcb	b	52	61	4	-	11·1	7·9
	Margate ...	bc	bbc	52	64	2	-	11·5	8·1
2	Southend ...	bcucp	cpbcb	53	67	1	1	6·8	6·9
	Maldon ...	cpbc	bcPb	51	67	1	3	6·3	6·8
	Clacton-on-Sea	bc	bc	53	62	0·4	-	7·8	8·9
	Dovercourt ...	dbcv	bcv	51	65	Trace	-	9·7	9·4
	Lowestoft ...	cPbc	b	52	60	19	2	6·3	4·9
	Skegness ...	rom.	obc	53	62	6	2	2·1	4·6
	Mablethorpe	or	oRc	51	61	4	8	1·1	5·5
	Cleethorpes...	oroc	co	54	59	0·2	-	0·9	5·7
3	Leamington S.	opr	cprc	51	60	1	5	0·2	2·6
4	Cheltenham†	ompc	cpom	50	60	4	0·5	0·2	2·0
5	Bath	cp.	p.cbc	49	65	-	Trace	1·9	4·8
	Weymouth ...	bc	bc	49	64	Trace	-	7·6	5·5
	Jersey ...	bc	bc	54	64	0·2	-	10·7	5·3
	Torquay ...	pbc	cpd cp.	48	62	0·1	0·4	6·3	3·2
	Penzance ...	obcb	b	50	66	Trace	-	10·0	8·3
	St. Ives ...	c	b	52	60	Trace	-	7·3	9·5
	Bude	cbc	bc	45	60	–	-	4·8	8·6
	Ilfracombe ...	ogc	cbcc	50	62	-	-	2·5	10·8
6	Aberystwyth	bccrc	cbcct	52	60	7	-	3·7	4·3
7	Llandudno ...	bc	bcbbc	54	61	1	-	7·1	6·3
	Colwyn Bay...	oc	cbc	53	62	3	-	5·0	4·4
	Rhyl	cbcb	bbc	54	61	0·6	-	7·3	5·6
8	Wallasey ...	bccbc	cohlo	51	64	0·3	2	5·7	2·3
	Southport‖ ...	cbcb	cplco	50	66	1	7	7·5	3·8
	Blackpool ...	cbc	cpto	50	65	-	0·2	6·8	3·9
	Morecambe ...	b	tlrcr	52	68	19	1	8·1	5·7
9	Ilkley... ...	cbc	ctrc	50	65	-	7	4·2	3·4
10	Berwick-on-T.	b	obc	50	60	-	-	10·0	5·7
11	Dunbar ...	bc	bc	49	64	-	-	9·0	4·8
12	Troon... ...	bcc	cbc	48	68	-	-	9·9	10·8
	Douglas ...	bccb	cbbc	51	65	-	-	8·6	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 Thursday, 22ND JUNE, 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands	Wind variable, light; bright periods; showers, perhaps local thunderstorms; moderate temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind west or northwest, light or moderate; variable cloud; showers, perhaps local thunderstorms; moderate temperature.
8. N.W. England 9. N Midlands 10. N.E England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	As 1 - 3.
13. { A. W Scotld. B. N W Scotland	Wind variable, light; variable cloud; perhaps showers; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Wind easterly or variable, light or moderate; variable cloud; showers or perhaps occasional local rain; moderate temperature.
17. N.W Ireland	As 20.
18. N.E. Ireland	As 4 - 7.
19. S.E. Ireland 20. S.W. Ireland	Wind northwest, moderate, fresh locally; cloudy; showers or occasional rain; perhaps bright intervals; moderate or rather low 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 2/10 to 5/10 clouded. ◑ Sky 1/10 to 5/10 clouded. ◑ Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet. ▲ Hail. ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h., in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An irregular area of low pressure stretches from Iceland across the British Isles to Germany. There will be bright periods, but showers in places and probably further local thunderstorms.

FURTHER OUTLOOK.

Bright periods, but not settled fair weather.

Forecasts issued at 0905 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
June 22nd
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 22nd June 1933.

No. 26145

OBSERVATIONS at 1 hr. G.M.T. 22nd June

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croyden ...	217	1004.6	+2	S	2	b	47	95	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1004.7	+4	NNE	1	b	48	95	8	-	-	1	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1004.9	+6	SE'E	2	bc	57	85	7	-	3	-	0	2-3	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1003.9	+4	WSW	2	bc	56	85	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1006.1	+6	NNW	3	b	51	95	8	-	-	-	0	0	-
	Scilly(St.Mary's)	163	1006.8	+8	NW'W	2	b	51	95	8	1	-	-	1	1	4000
	Guernsey ...	175	1004.4	+6	WNW	1	bc	52	95	8	7	-	-	4-6	4-6	4000
6	Pembroke ...	142	1004.8	+4	-	0	b	54	95	8	1	-	-	1	1	4000
7	Holyhead ...	26	1005.0	+6	SW	2	c	54	85	7	5	-	8	2-3	9+	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003.2	+6	S'W	2	bc	55	95	7	3	7	-	2-3	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1004.2	+4	-	0	0/c	53	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1004.1	+4	NNE	2	RR	~~52~~ 53	95	6	6	-	-	10	10	1500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	-	+6	SE	1	bc	54	95	7	1	7	-	1	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1005.2	-4	NNE	2	c	53	95	8	5	1	-	7-8	10	2500
16	Lerwick ...	54	1008.3	+4	E'S	4	c/pc	55	95	7	8	7	-	7-8	9+	1500
17	Blacksod Point	18	1006.4	+2	N	4	C	54	95	7	5	-	-	9	9	450
18	Malin Head ...	52	1003.6	+2	-	0	c	56	95	7	4	2	-	4-6	10	800
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1003.3	+14	NW	6	rr	53	95	6	6	-	-	10	10	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 22nd June

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)...	1006.0	+4	-	0	bcf	51	95	3	5	-	-	4-6	4-6	800	1	*
	Croyden ...	1005.9	+6	NNW	1	b	58	85	6	5	3	1	Tr	1	2500	1	*
	S. Farnborough	1005.9	+4	-	0	bc	54	85	8	1	-	1	Tr	2-3	2500	0	*
	Winchester ...	1005.9	+4	NNW	1	cif	53	95	6	5	-	8	4-6	7-8	800	1	*
	Boscombe Down	1005.8	+10	-	0	-	49	95	2	5	-	-	10	10	<150	1	*
	Calshot,(S'thmtn)	1005.7	+8	-	0	cif	54	95	5	5	5	-	2-3	7-8	450	0	1
	Dungeness ...	*	*	N	1	bc	*	*	7	5	7	*	2-3	4-6	1500	*	1
	Lympne ...	1005.6	+4	NNW	2	3o	57	85	6	1	3	-	2-3	2-3	1500	1	*
2	Shoeburyness	1006.0	+8	NNW	2	bc	58	85	8	-	7	-	0	2-3	-	0	*
	Felixstowe ...	1005.6	+8	N'W	1	bcf	58	85	7	-	-	4	0	2-3	-	0	0
	Gorleston ...	1005.6	0	-	0	bc	60	95	5	-	-	1	0	4-6	-	0	1
	Cranwell ...	1005.9	+12	NNW	1	c	55	95	6	5	-	-	9	9	4000	1	*
3	Birmingham ...	1006.2	+6	NNW	2	m	53	95	4	5	7	-	4-6	9	4000	1	*
	Upper Heyford	1006.5	+10	NW	1	F	52	95	1	5	-	-	10	10	<150	1	*
4	Ross-on-Wye ...	1006.2	+8	W'N	1	cf	51	95	3	-	-	9	0	7-8	-	1	*
5	Portland Bill...	1005.9	+10	SW	2	bc	57	85	7	4	4	-	4-6	4-6	2500	0	2
	Plymouth ...	1007.2	+14	-	0	C	54	85	7	5	-	8	Tr	9+	800	1	0
	The Lizard ...	1007.7	+6	WNW	3	C	55	95	8	8	6	-	2-3	9	2500	0	2
	Scilly(St.Mary's)	1007.9	+10	NW'N	3	C	56	95	8	8	7	-	4-6	7-8	4000	0	2
	Guernsey ...	1006.9	+10	NW	3	C	55	95	7	5	1	-	7-8	10	4000	0	2
6	Pembroke ...	1006.7	+12	NW	1	C	54	95	6	5	-	-	10	10	1500	0	1
7	Holyhead ...	1006.3	+12	W	3	C	56	95	7	5	-	-	10	10	800	0	0
	Chester (Sealand)	1006.3	+16	SSE	1	3o	55	95	5	-	3	-	0	4-6	-	1	*
8	L'pool (Bidston)	1006.4	+12	E'S	1	3o	57	85	6	5	-	-	2-3	2-3	1500	0	*
9	Harrogate ...	1006.6	+6	-	0	F	50	95	1	5	-	-	10	10	<150	1	*
10	Spurn Head ...	1005.4	+6	-	0	bc	57	95	7	3	7	-	2-3	4-6	4000	0	1
	Catterick ...	1006.3	+12	SSW	1	clf	50	95	4	5	-	-	10	10	450	0	*
	Tynemouth ...	1005.1	+12	SW	1	bc	54	95	5	5	-	-	4-6	4-6	1500	1	*
11	Inchkeith ...	1006.0	+10	NNE	3	C	56	95	7	8	5	-	4-6	7-8	1500	1	2
	Leuchars ...	1006.1	+14	NE	2	C	57	95	7	8	-	-	9	9	1500	1	*
12	Renfrew(Abbotts I)	1006.2	+12	-	0	clf	52	95	3	5	-	-	10	10	800	0	*
	Eskdalemuir ...	1005.7	+16	-	0	bc	54	75	7	1	3	-	1	2-3	2500	1	*
13A	Tiree	1005.8	+14	S'E	1	C	55	95	9	5	-	-	9+	9+	2500	0	0
13B	Stornoway ...	.	0	SE	1	bc	57	85	8	7	7	-	2-3	4-6	2500	1	0
15	Dalwhinnie ...	1006.9	+10	-	0	C	51	95	8	4	1	-	4-6	7-8	2500	0	*
	Aberdeen ...	1007.4	+10	ESE	2	C	55	95	6	8	-	-	9+	9+	2500	1	1
	Wick	1007.0	+10	SE	3	bc	55	95	8	5	1	-	4-6	4-6	2500	0	2
16	Lerwick ...	1010.3	+10	SE	3	C	56	95	6	5	1	-	7-8	9	800	0	*
17	Blacksod Point	1008.0	+12	N	4	id	53	95	7	5	-	-	10	10	<150	1	3
18	Malin Head ...	1005.1	+8	SW	1	cjp	57	95	7	8	7	-	9	9+	450	0	1
	Aldergrove ...	1005.6	+8	-	0	C	56	85	6	7	-	-	9+	9+	4000	1	*
	Donaghadee ...	1006.2	+12	NE	1	C	55	85	6	5	-	-	9+	9+	800	0	0
19	Birr Castle ...	1006.4	+10	WNW	1	C	53	95	8	6	2	-	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1010.6	+6	NW'N	4	cjpr	53	95	7	5	-	-	9+	9+	800	1	3
	Roches Point...	1007.5	+8	NW	4	C	55	95	8	3	-	-	7-8	7-8	2500	0	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 21st. Hrs. (36)
1	London (Kew)...	67	46	39	12	0.1	6.1
	Croyden ...	65	44	42	0.4	-	9.7
	S. Farnborough	64	42	32	1	-	5.7
	Winchester ...	63	44	39	5	3	3.6
	Boscombe Down	64	44	44	2	-	4.3
	Calshot,(S'thmtn)	64	44	44	2	-	10.0
	Dungeness ...	65	49	45	Tr.	-	*
	Lympne ...	63	42	*	-	-	12.1
2	Shoeburyness	67	44	34	0.1	-	10.8
	Felixstowe ...	64	48	43	-	-	10.0
	Gorleston ...	61	53	49	0.1	-	8.0
	Cranwell ...	59	48	43	14	Tr	0.2
3	Birmingham ...	59	48	37	3	-	0.4
	Upper Heyford	59	51	47	9	Tr	*
4	Ross-on-Wye ...	61	44	40	3	-	0.2
5	Portland Bill...	62	54	*	-	-	*
	Plymouth ...	61	49	42	3	-	5.0
	The Lizard ...	63	49	*	-	Tr	*
	Scilly(St.Mary's)	62	50	*	-	-	9.8
	Guernsey ...	62	51	45	7	-	9.0
6	Pembroke ...	60	50	*	-	-	10.0
7	Holyhead ...	59	52	43	-	-	8.7
	Chester (Sealand)	62	45	41	5	Tr	2.8
8	L'pool (Bidston)	61	52	43	1	Tr	5.6
9	Harrogate ...	61	46	42	8	Tr	1.8
10	Spurn Head ...	61	53	*	1	Tr	1.2
	Catterick ...	63	44	40	Tr.	0.1	4.9
	Tynemouth ...	58	53	50	2	0.6	*
11	Inchkeith ...	64	53	49	-	16	12.0
	Leuchars ...	63	53	43	-	3	10.0
12	Renfrew(Abbotts I)	67	46	42	-	-	11.6
	Eskdalemuir ...	65	43	39	-	-	8.3
13A	Tiree	64	49	42	-	-	11.5
13B	Stornoway ...	61	50	*	Tr.	-	8.4
15	Dalwhinnie ...	66	40	32	-	-	6.7
	Aberdeen ...	60	53	52	-	0.3	10.0
	Wick	56	52	*	-	-	*
16	Lerwick ...	60	54	*	-	Tr	9.8
17	Blacksod Point	56	52	*	13	3	*
18	Malin Head ...	59	53	*	-	-	8.9
	Aldergrove ...	67	48	42	-	-	6.7
	Donaghadee ...	61	51	*	-	-	*
19	Birr Castle ...	67	52	49	-	4	2.8
20	Valentia Obsy.†	56	53	51	11	3	0.0
	Roches Point...	61	54	*	0.1	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. (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	bcpr	cpr?Rw	cprFw	67	46	39	12	0.1	6.1	•	•	6
CROYDON	217	bccpr	bcy	bcbw3o	65	44	42	0.4	-	9.7	•	•	6
GREENWICH (Royal Observatory) ...	149	cy	cp	cbw3o	71	44	32	Tr	Tr	7.0	61	67	5
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	6.7	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	64	48	44	10		6.2	60	68	•
‡REGENTS PK. (Botanic Gardens) ...	168	•	•	•	65	48	48	3		6.8	68	72	•
CAMDEN SQUARE	110	ccp	ccpc	•	64	48	44	2	-	•	•	59	•
KENSINGTON	80	bccpbc	bc	•	66	48	40	1	-	7.1	At 18h.		•
HAMPSTEAD OBSERVATORY	450	bcoprl	bc	•	65	48	•	Tr	Tr	8.2	67	62	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 22nd

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.6	7h 22nd	0.0	12h-21h 22nd; 0h-4h 23rd

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.2	7h 22nd	<0.1	Rest of period

FOREIGN OBSERVATIONS.

18h. G.M.T. 21st June

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1003.0	SW	3	C	61
BRUSSELS	1003.8	SSE	2	C	63
BERLIN	1006.9	E	2	C	75
ZÜRICH	1007.4	WNW	2	rr	54
ROME	1012.6	SSE	4	bc	75

7h. G.M.T. 22nd June

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1005.9	S	1	m	57
1006.5	SW	2	C	59
1005.5	ESE	4	C	72
1010.2	SSE	2	rr	46
1008.9	SE	4	C	75

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
70	52	3	Tr
66		-	
73	63	-	-
63	46	7	32
81	64	-	-

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.

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

Friday, 23rd JUNE 1933.

No. 26146

OBSERVATIONS at 13h. G.M.T. 22nd June

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)...	1006·0	-6	WNW	3	c	66	55	6	8	-	3	7-8	9+	2500
	Croydon ...	1005·6	-2	SSW	1	c	67	45	7	8	7	-	7-8	9+	4000
	S. Farnborough	1005·7	-2	WSW	2	t	69	55	7	3	8	8	4-6	7-8	4000
	Winchester ...	1006·1	-2	-	0	t	62	75	7	3	1	-	7-8	9	1500
	Boscombe Down	1005·6	-4	NW'W	1	c	67	55	6	2	3	1	7-8	9	2500
	Calshot, S'thmtn	1006·4	-4	SSW	3	c	66	65	7	8	4	-	4-6	7-8	4000
	Dungeness ...	*	*	SW	2	c	*	*	7	8	-	*	7-8	7-8	800
	Lympne ...	1006·5	+2	NW	1	c	59	65	8	9	-	3	7-8	7-8	2500
2	Shoeburyness	1006·1	+2	SE	1	c	63	65	8	8	7	3	4-6	7-8	4000
	Felixstowe ...	1006·3	+2	ESE	2	bc	65	65	8	3	-	3	2-3	4-6	4000
	Gorleston ...	1006·1	0	E'S	2	bc	60	75	6	2	4	-	2-3	4-6	4000
	Cranwell ...	1005·7	-2	-	0	c	61	65	7	3	3	1	7-8	9	4000
3	Birmingham ...	1006·2	-2	SSW	2	c/tlr$_o$	58	85	4	9	-	-	9+	9+	2500
	Upper Heyford	1005·7	-10	NE	2	t	66	55	6	3	3	-	7-8	9	4000
4	Ross-on-Wye ...	1005·6	+4	NW'N	2	bc	68	55	7	2	-	-	4-6	4-6	4000
5	Portland Bill...	1006·1	+6	W	3	bc	61	85	7	4	-	-	2-3	2-3	2500
	Plymouth ...	1007·6	+2	NW	1	c/pr	60	85	8	8	2	-	9	9+	1500
	The Lizard ...	1008·8	+4	WNW	2	r$_o$r$_o$	56	95	7	8	-	-	10	10	1500
	Scilly (St. Mary's)	1009·3	+4	NW'N	4	c	57	85	7	8	6	-	9	10	2500
	Guernsey ...	1008·1	+6	WNW	4	bc	61	75	8	7	1	-	2-3	4-6	2500
6	Pembroke ...	1007·5	+4	NW	2	c	59	85	7	7	2	5	4-6	7-8	2500
7	Holyhead ...	1007·7	+6	WNW	3	c/r$_o$	58	85	8	5	6	1	Tr.	9	450
	Chester (Sealand)	1006·0	-2	WNW	4	bc	64	75	7	2	-	4	2-3	4-6	4000
8	L'pool (Bidston)	1006·6	0	W'N	3	b	62	75	8	1	-	-	Tr.	Tr.	4000
9	Harrogate ...	1005·5	-6	E	1	t	66	55	7	3	-	-	2-3	2-3	4000
10	Spurn Head ...	1005·9	0	E'S	2	bc	64	75	7	2	-	8	2-3	4-6	4000
	Catterick ...	1005·3	-10	NE	1	bc	69	55	7	3	-	-	4-6	4-6	4000
	Tynemouth ...	1006·0	0	ESE	3	bc	59	85	6	1	-	1	2-3	2-3	4000
11	Inchkeith ...	1006·4	+2	NE	1	bc	62	75	8	2	3	1	2-3	4-6	4000
12	Leuchars ...	1007·0	+2	E	3	c	62	75	8	8	4	-	7-8	7-8	2500
	Renfrew (Abbotts L)	1006·0	-2	-	0	c	67	55	8	3	-	-	7-8	7-8	4000
	Eskdalemuir ...	1005·7	0	-	0	bc	62	65	8	8	-	1	4-6	4-6	4000
13A	Tiree	1006·6	0	SW'S	2	c	62	75	8	2	3	9	2-3	7-8	4000
13B	Stornoway ...	,,	0	SSE	2	bc	59	85	8	8	6	1	2-3	4-6	2500
15	Dalwhinnie ...	1007·7	+2	NE	1	c	61	55	8	4	4	-	4-6	10	2500
	Aberdeen ...	1007·9	+4	ESE	3	bc	59	85	7	8	4	1	4-6	4-6	4000
	Wick	1008·2	+4	ESE	3	c	56	95	8	5	4	-	4-6	7-8	2500
16	Lerwick ...	1010·7	+2	SSE	3	c	59	98 Bq	6	5	-	-	7-8	7-8	1500
17	Blacksod Point	1010·0	+10	N	3	id$_o$	54	95	7	6	-	-	10	10	<150
18	Malin Head ...	1006·5	+4	W	1	c	59	95	7	8	1	-	9	10	450
	Aldergrove ...	1006·1	-2	WSW	2	bc	67 Bq	55	8	8	9	-	2-3	4-6	4000
	Donaghadee ...	1006·8		N	1	c	59	85	6	7	3	-	4-6	7-8	2500
19	Birr Castle ...	1008·6	+4	NW	3	id$_o$	58	95	7	6	2	-	9	10	1500
20	Valentia Obsy.	1012·4	+8	NW'N	4	id$_o$	55	95	6	5	-	-	10	10	800
	Roches Point...	1008·3	+6	NW	5	c	60	75	9	3	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 22nd June

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)
1006·3	+8	W	2	c	66	55	5	2	7	-	1	7-8	2500	1	*
1006·2	+6	W'S	3	c	64	65	7	8	9	9	4-6	7-8	4000	1	*
1006·8	+10	WSW	2	c	61	75	7	8	3	8	2-3	9	4000	0	*
1007·4	+18	S	2	tlr	55	95	6	5	2	-	7-8	10	2500	1	*
1006·9	+18	ENE	3	tlr	55	85	6	3	2	-	7-8	10	450	1	*
1006·6	+4	N'W	3	tlr$_o$	60	85	6	3	7	-	7-8	10	4000	1	1
*	*	SW	2	c	*	*	7	7	7	*	4-6	7-8	1500	*	0
1006·9	+4	W'S	2	bc	61	75	8	3	-	8	2-3	4-6	2500	0	*
1006·1	0	WSW	1	c	66	65	7	5	1	-	2-3	7-8	4000	0	*
1006·3	+2	SE'S	1	bc	61	75	7	8	-	8	2-3	4-6	4000	0	0
1006·4	0	-	0	bc	61	75	6	-	-	8	0	4-6	-	0	1
1006·4	+6	SE'E	2	c	58	95	7	4	7	6	7-8	9+	2500	1	*
1006·9	+10	N	1	c/tlr	56	85	4	6	3	-	4-6	7-8	2500	1	*
1006·8	+8	-	0	u	61	85	6	9	7	7	7-8	9+	2500	1	*
1006·6	+14	N	2	c	64	65	8	8	1	2	7-8	9	4000	1	*
1006·7	+6	NW	3	bc	60	85	7	4	4	-	2-3	4-6	2500	0	2
1007·8	+2	NW	4	c/r	62	75	8	8	3	-	4-6	7-8	2500	1	2
1009·1	0	W	3	o	55	95	8	5	-	-	10	10	800	1	2
1009·8	+2	NW	4	c	57	95	7	8	7	-	7-8	9+	2500	0	2
1008·5	+8	WNW	3	bc	59	85	7	8	-	-	4-6	4-6	1500	0	2
1009·1	+4	NW	3	bc/jp	58	85	9	7	7	-	2-3	4-6	5700	0	2
1008·1	+4	WSW	4	bc	59	85	8	2	3	-	Tr.	2-3	4000	0	1
1007·4	+12	NW	3	bc	63	65	8	3	3	2	1	4-6	4000	0	*
1007·4	+6	WNW	3	bc	61	75	8	7	3	1	2-3	2-3	4000	0	*
1006·6	+6	-	0	pr	61	65	7	6	8	3	7-8	9	2500	1	*
1006·4	0	ESE	2	c	59	85	7	-	2	8	0	7-8	-	0	2
1006·5	+14	W'N	1	ir$_o$	58	95	7	9	7	-	7-8	9+	1500	0	*
1007·0	+6	SE	1	bc	57	95	7	2	-	-	4-6	4-6	2500	1	1
1006·8	-2	E	2	bc	59	85	8	5	-	-	4-6	4-6	4000	0	1
1007·5	+4	ENE	3	bc	60	85	7	8	3	3	2-3	4-6	2500	0	*
1006·2	+2	W	2	bc	67	55	8	3	4	-	4-6	4-6	4000	0	*
1005·6	+2	-	0	bc	64	65	8	8	-	-	4-6	4-6	4000	1	*
1007·0	0	-	0	bc	58	85	8	4	3	9	1	4-6	4000	0	1
	+14	NE	2	pr	58	95	8	9	7	-	4-6	7-8	800	1	1
1006·6	+4	S	1	c	60	65	8	4	2	-	4-6	7-8	2500	0	*
1007·9	0	ESE	3	c	58	85	7	8	-	3	4-6	7-8	4000	0	1
1008·1	0	ESE	3	bc	55	95	8	5	1	8	2-3	2-3	2500	0	2
1010·2	-2	ESE	3	c	57	95	5	5	1	-	4-6	9+	800	0	*
1010·8	+4	WNW	3	c	54	85	8	5	-	-	10	10	220	0	3
1007·8	+6	NW	2	c	57	95	7	5	1	-	9	9+	450	0	1
1007·2	+6	NW'W	2	c	63	75	8	8	3	-	7-8	9+	2500	0	*
1006·5	-2	-	0	bc	61	75	6	7	3	2	2-3	4-6	2500	0	0
1009·5	+4	NW	2	o	57	85	8	6	-	-	10	10	1500	1	*
1012·9	+2	NW'W	4	cjp	54	95	7	5	-	-	10	10	800	1	3
1010·1	+8	NW	4	c	57	85	8	9	-	-	9	9	2500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 22nd (37)	Weather. 13h.–18h. 22nd (38)	Weather. 18h. 22nd ... to 1h. 23rd (39)	Weather. 1h.–7h. 23rd (40)
bcm$_o$3$_o$	c	cbc	bm$_o$w
bm$_o$bc3$_o$y	Rtlrcr$_o$pr$_o$	cbcm$_o$w	bcm$_o$wbm$_o$
bcbct	bcitl-r$_o$c	c	bcbm$_o$
cprt	ctcTLR	c$_o$cterbc	bccff
offc3$_o$	ctpr$_o$tlR	TLRc	coFf
bcm$_o$c	bcctlr$_o$	ctlr$_o$rr	bcoff
bc	bc	*	bc
bcctlrc	cbct	bcbwm$_o$	bwfm$_o$
bct	bc	bcbw	bmw
bct	bctl	bc	bcbfb3$_o$w
bcm$_o$	bc	bcw	bcfb
cm$_o$ct	ctlucpr	c	cbwm
ctlr$_o$	cotlr	cbcm	bcmb
Fcmcy	ctlr	cPRm$_o$	cbm$_o$w
cfb3bcy	bcyctlPc	ccpbc	bm$_o$wbc
bc	bc	b	bbc
cpr	cprRrr$_o$bc	bcbcc	cpr$_o$
co	oprfo	pr$_o$bc	bc$_o$c
cp$_o$	cid$_o$	c	cp$_o$
cobc	bc	bc	bc
cm$_o$c	cbcv	cpr$_o$bcc	c
cr$_o$	cbc	bbcc	bcc
bct	bc	bcb	wbcm$_o$
b	bcbbc	bc	bcc
Fobt	bbccjtp	pcb	b
bc	bc	bcw	bcwf
ombtbc	tctlr$_o$	cbc	b
bcm	bc	bc	bcm
cbc	bc	bcc	cw
cbcc	cbc	bccm$_o$	com$_o$d$_o$o
of bcc	cjpbc	bcbbc	bcoffw
bwcbc	bcycpRc	bccpr	cbcb
c	bc	bccw	cir
bc	bcc	cbcF	Fc
c	c	*	bc
cpr$_o$bc	bc	bccm	cm
c	cbc	bc	bcc
cm$_o$	cm$_o$	cbcoirm$_o$	orrirm$_o$
iD	iD	id$_o$c	cg
c	c	cid	c
c3$_o$	bcytc	c	cod$_o$d$_o$mo
cm$_o$	cbc3$_o$	cpr$_o$c	c
cid$_o$	d$_o$co	oid	oidc
cid id$_o$	cid$_o$idc	cidc	corrr$_o$
cp$_o$cv	cg	cg	cg

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. "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.

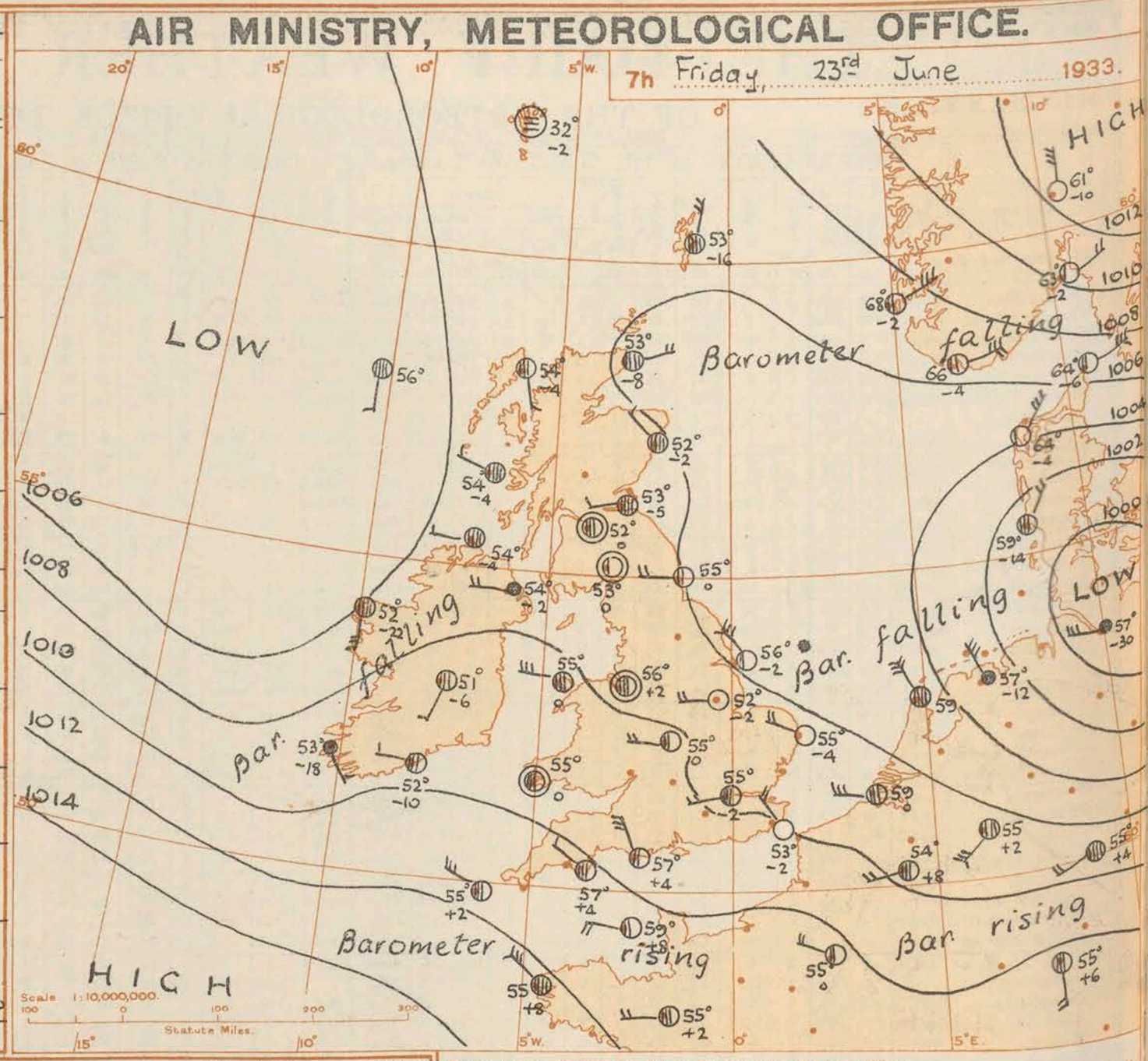
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 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 22nd June 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.	bbc	toc	41	67	–	–	4·7	12·6
	Bournemouth	bc	tlr	49	68	–	20	4·2	6·6
	Ventnor ...	bcbp	bcbo	51	62	–	Trace	4·2	11·7
	Southsea ...	bccp	bctlp	50	68	–	0·4	7·9	8·9
	Bognor Regis	b	bcrbc	48	64	–	Trace	9·2	12·1
	Littlehampton	bc	bc	45	62	–	–	9·1	12·0
	Worthing ...	bbc	cbc	49	64	–	–	10·0	12·7
	Brighton ...	b	bbcb	48	64	–	–	11·1	12·6
	Eastbourne†	bcc	cbcc	50	66	–	–	4·2	12·6
	Hastings† ...	bccorb	oc	50	64	–	1	4·8	11·3
	Folkestone ...	bbctp	cbc	49	65	–	Trace	8·9	13·0
	Dover... ...	bct	bc	48	65	–	–	10·9	13·0
	Deal	b	cbc	47	67	–	–	10·7	13·0
	Ramsgate ...	b	bpb	?52	68	–	1	11·4	13·2
	Margate ...	bc	bc	52	67	–	–	11·7	13·9
2	Southend ...	bc	cbc	51	69	–	–	6·4	8·2
	Maldon ...	b	otlrc	45	70	–	1	6·5	6·9
	Clacton-on-Sea	bcdtbc	bdtbc	51	65	–	–	11·2	?
	Dovercourt ...	mbc	tbc	50	68	–	–	8·3	10·1
	Lowestoft ...	bcjc	bcjtc	50	63	–	–	4·8	8·0
	Skegness ...	b	b	53	63	–	–	12·3	2·7
	Mablethorpe	bc	bct	49	63	Trace	–	12·2	1·2
	Cleethorpes ...	bctb	b	50	65	–	–	11·2	0·9
3	Leamington S.	bc	cptro	46	68	–	0·2	3·7	0·7
4	Cheltenham†	cwmbc	cotbr	47	67	–	2	6·2	0·2
5	Bath	bcc	bcct	48	70	–	–	7·1	1·9
	Weymouth ...	bccb	b	51	67	–	–	7·5	7·6
	Jersey ...	cbc	cbc	?54	62	–	–	5·3	13·0
	Torquay ...	pcwbc	otlspcp	52	66	Trace	2	1·2	6·5
	Penzance ...	or.	rqrm.	48	61	–	1	0·0	12·0
	St. Ives ...	d	d	53	58	–	0·5	0·6	10·3
	Bude	bc	cbc	49	62	–	–	1·0	7·2
	Ilfracombe ...	ocbc	bcb	53	62	–	–	6·0	3·0
6	Aberystwyth	trcbc	bcb	52	63	3	–	9·2	3·7
7	Llandudno ...	bc	bcb	51	65	–	–	9·7	9·2
	Colwyn Bay...	bcb	bbc	51	67	–	–	9·2	7·0
	Rhyl	bc	bc	48	65	–	–	10·1	8·4
8	Wallasey ...	bc	bbcc	52	65	0·3	–	10·2	5·7
	Southport‖ ...	bbcb	b	50	64	4	–	10·7	7·5
	Blackpool ...	bc	bc	50	64	1	–	10·7	6·8
	Morecambe ...	b	bcblt	50	67	4	–	8·6	8·3
9	Ilkley... ...	bbc	cblr	44	68	–	4	4·3	4·2
10	Berwick-on-T.	bc	ocbc	52	61	1	–	4·6	11·0
11	Dunbar ...	bc	bc	52	63	2	–	6·1	9·6
12	Troon... ...	wbc	bcc	48	65	–	–	8·9	11·7
	Douglas ...	bccbc	ikcbbc	51	67	–	2	8·6	10·0

†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. 23rd June, 1933.
1. S.E. England 2. E. England.. 3. E. Midlands	Wind westerly, light or moderate; fair at first, except for chance of thunderstorms; perhaps less settled later; moderate temperature or rather warm.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind west or southwest, light or moderate, fresh at times locally; mainly cloudy; occasional drizzle or rain; moderate temperature.
8. N.W. England 9. N Midlands 10. N.E England 11. S.E. Scotland	Wind westerly or variable, light or moderate; mainly cloudy; perhaps occasional rain later; moderate temperature.
12. S.W. Scotland & Isle of Man 13. A W Scotld. / B. N W. Scotland	Wind southerly, light or moderate; cloudy, drizzle or rain at times; moderate temperature.
14. Mid-Scotland 15. N E. Scotland 16. Orkneys and Shetlands.	Wind northerly or variable, light or moderate; cloudy; occasional local rain; moderate temperature.
17. N W. Ireland 18. N.E. Ireland 19. S E. Ireland 20. S W. Ireland	Wind southwest, moderate, veering, perhaps fresh locally; cloudy; occasional rain; rather low 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. T Thunderstorm. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression over Germany tends to move northwest and a trough of low pressure off Ireland is moving east. Weather will be cloudy in the West and North, probably with drizzle or rain at times. In the East and Southeast there is a chance of thunderstorms today, and conditions may be cloudy and unsettled tomorrow.

FURTHER OUTLOOK.

Rather unsettled.

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
Friday,
23rd JUNE,
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
Friday, 23rd June 1933.
No. 26146

OBSERVATIONS at 1 hr. G.M.T. 23rd June

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	1007.8	+2	W	2	bc	53	95	6	-	-	8	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1008.1	0	NW'N	2	3o	52	95	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1007.2	-4	-	0	bc	55	95	6	4	-	-	2-3	2-3	4000
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1006.4	0	NNW	2	b	56	95	9	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1011.1	+2	WNW	2	bc	55	95	8	8	-	1	4-6	4-6	2500
	Scilly (St. Mary's)	163	1011.6	+8	NW'N	4	c	56	95	8	5	-	-	9+	9+	4000
	Guernsey ...	175	1009.6	0	W'N	2	bc	54	95	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	1009.7	0	NW	2	c	55	95	7	4	1	-	7-8	9	2500
7	Holyhead ...	26	1008.7	0	NW'W	3	bc	56	95	7	5	-	-	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1006.7	0	-	0	bc	55	95	7	-	2	1	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1006.3	-6	-	0	bc	54	95	6	5	-	-	4-6	4-6	1500
11	Inchkeith ...	190	007.3	-4	NE	1	c	52	95	7	4	-	-	7-8	7-8	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	-	0	-	0	F+	52	95	1	-	-	-	10	10	<150
15	Dalwhinnie ...	1178	-	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.2	-2	ESE	2	bc	52	95	7	5	1	-	2-3	4-6	2500
16	Lerwick ...	54	1009.0	-4	E'N	2	ir	53	95	5	5	2	-	7-8	10	450
17	Blacksod Point	18	1010.1	-4	-	0	c	50	95	8	4	-	-	7-8	7-8	450
18	Malin Head ...	52	1007.6	-6	W	3	c	53	95	7	8	2	-	7-8	10	450
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1012.2	-14	W	2	c	52	95	7	4	-	-	10	10	2500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 23rd June

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)...	1008.1	0	W'S	2	b	54	85	5	-	-	-	0	0	-	1	*
	Croydon ...	1007.8	-2	W'S	2	b	55	85	6	-	7	-	0	1	-	1	*
	S. Farnborough	1008.0	+2	W	1	b	55	85	7	-	-	-	0	0	-	0	*
	Winchester ...	1008.7	0	W	1	cf-	52	95	2	5	-	-	9+	9+	220	1	*
	Boscombe Down	1008.6	+6	WNW	3	o/f	53	95	5	5	-	-	10	10	220	1	*
	Calshot, (S'thmtn)	1008.5	+2	WNW	3	m	53	95	4	5	-	-	10	10	800	0	1
	Dungeness ...	*	*	SW'W	1	bc	*	*	5	5	-	*	2-3	2-3	1500	*	1
	Lympne ...	1008.0	-2	NW'N	2	3o	53	95	5	-	-	-	0	0	-	0	*
2	Shoeburyness	1007.3	0	E'N	1	b	57	85	5	-	-	-	0	0	-	0	*
	Felixstowe ...	1006.7	-2	WNW	1	3o	58	85	6	-	-	-	0	0	-	0	0
	Gorleston ...	1006.5	-4	WNW	2	b	55	85	6	-	-	-	0	0	-	0	1
	Cranwell ...	1007.1	-2	W'S	2	m	52	95	4	-	-	-	0	0	-	0	*
3	Birmingham ...	1008.2	0	W	2	bc	55	85	6	-	-	4	0	2-3	-	1	*
	Upper Heyford	1008.2	+2	W	1	b	55	95	5	-	-	1	0	Tr	-	1	*
4	Ross-on-Wye ...	1008.5	0	SSE	1	bc	55	95	8	-	9	9	0	2-3	-	1	*
5	Portland Bill...	1008.9	+4	NNW	3	bc	57	85	8	4	-	-	4-6	4-6	-	0	2
	Plymouth ...	1010.2	+4	WNW	1	c	57	95	8	8	-	-	9+	9+	1500	1	1
	The Lizard ...	1011.1	+2	NW	2	c	55	95	8	8	-	-	9+	9+	2500	1	2
	Scilly (St. Mary's)	1011.7	+2	WNW	3	c	55	95	8	8	7	-	4-6	9	2500	0	2
	Guernsey ...	1010.3	+8	WNW	2	bc	59	85	8	7	3	-	2-3	4-6	2500	0	2
6	Pembroke ...	1009.5	0	-	0	c	55	95	7	5	3	-	4-6	10	2500	0	1
7	Holyhead ...	1008.9	0	W'N	3	c	55	95	8	5	-	-	10	10	1500	0	1
	Chester (Sealand)	1007.8	+2	-	0	3o	56	95	5	5	3	1	4-6	7-8	2500	0	*
8	L'pool (Bidston)	1008.0	0	WSW	2	c	57	85	8	5	-	-	9+	9+	4000	0	*
9	Harrogate ...	1006.9	0	SW	3	b	55	85	7	-	-	1	0	Tr	-	1	*
10	Spurn Head ...	1005.7	-2	NW	4	bcf	56	95	3	5	-	-	4-6	4-6	220	0	2
	Catterick ...	1006.5	0	SE	1	b	57	85	7	1	-	9	Tr	Tr	4000	0	*
	Tynemouth ...	1006.0	0	W	2	bc	55	85	5	5	-	-	4-6	4-6	800	1	1
11	Inchkeith ...	1007.1	-2	WSW	1	c	53	95	6	5	-	-	10	10	1500	0	1
	Leuchars ...	1006.8	-6	WSW	2	o	53	95	5	5	-	-	10	10	450	0	*
12	Renfrew (Abbotts L)	1006.7	0	-	0	cf	52	95	3	5	-	-	9+	9+	800	0	*
	Eskdalemuir ...	1006.3	0	-	0	b	53	85	7	-	-	1	0	Tr	-	1	*
13A	Tiree	1006.1	-4	WNW	1	o/d	54	95	6	5	-	-	10	10	220	1	1
13B	Stornoway ...	-	-4	SSE	1	c	54	95	7	8	2	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1007.7	-8	-	0	b	56	85	8	4	-	-	1	1	2500	0	*
	Aberdeen ...	1006.1	-2	NW	1	o	52	95	5	5	-	-	10	10	220	0	1
	Wick	1005.8	-8	ENE	2	c	53	95	7	5	1	-	7-8	10	1500	0	2
16	Lerwick ...	1006.6	-16	NNE	2	o/r	53	95	6	6	-	-	10	10	800	1	*
17	Blacksod Point	1006.0	-22	S	3	c	52	95	8	5	-	-	10	10	220	0	3
18	Malin Head ...	1006.4	-4	W'S	1	c	54	85	7	8	2	-	7-8	10	450	1	1
	Aldergrove ...	1007.6	-2	W	2	do	54	95	6	5	-	-	10	10	800	1	*
	Donaghadee ...	1007.3	-4	NW	2	c	57	85	7	5	-	-	9	9	1500	1	1
19	Birr Castle ...	1008.5	-6	SSW	1	c	51	95	7	6	2	-	7-8	10	2500	1	*
20	Valentia Obsy.†	1008.7	-18	SE	1	c	53	95	5	6	-	-	10	10	800	1	2
	Roches Point...	1009.7	-10	W	1	c	52	95	8	5	-	-	9	9	2500	0	1

PAST 24 HOURS.

Diagram	Stations	Temperatures. 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 22nd Hrs. (36)
1	London (Kew)...	68	52	46	-	-	8.9
	Croydon ...	68	51	48	S	-	8.2
	S. Farnborough	72	46	33	0.2	-	8.2
	Winchester ...	67	44	39	3	0.5	1.8
	Boscombe Down	69	47	44	1	7	5.2
	Calshot, (S'thmtn)	66	49	46	Tr.	2	3.6
	Dungeness ...	66	47	*	-	-	*
	Lympne ...	65	46	44	0.4	-	7.1
2	Shoeburyness	68	46	37	-	-	11.5
	Felixstowe ...	65	49	43	-	-	10.36
	Gorleston ...	62	49	48	-	-	8.6
	Cranwell ...	70	47	45	1	-	4.2
3	Birmingham ...	61	48	36	S	-	0.3
	Upper Heyford	68	44	38	2	4	*
4	Ross-on-Wye ...	70	45	40	2	Tr	6.3
5	Portland Bill...	61	55	*	-	-	*
	Plymouth ...	63	55	52	6	0.1	2.8
	The Lizard ...	59	52	*	0.3	0.2	-
	Scilly (St. Mary's)	58	54	*	0.2	Tr	0.0
	Guernsey ...	63	54	51	-	-	6.3
6	Pembroke ...	59	53	*	-	Tr	3.2
7	Holyhead ...	65	54	50	Tr.	-	4.7
	Chester (Sealand)	68	43	39	-	-	11.1
8	L'pool (Bidston)	63	54	49	-	-	11.0
9	Harrogate ...	66	50	45	Tr.	0.2	5.2
10	Spurn Head ...	65	53	*	-	Tr	13.6
	Catterick ...	69	43	39	0.2	-	5.4
	Tynemouth ...	61	51	48	-	-	*
11	Inchkeith ...	65	51	44	-	-	10.0
	Leuchars ...	65	52	43	-	Tr	9.5
12	Renfrew (Abbotts L)	69	44	42	-	-	9.9
	Eskdalemuir ...	66	42	39	1	0.3	4.6
13A	Tiree	64	54	53	-	0.1	4.5
13B	Stornoway ...	67	50	*	Tr.	0.1	10.6
15	Dalwhinnie ...	66	37	30	-	-	5.0
	Aberdeen ...	60	51	49	Tr.	-	8.5
	Wick	57	49	*	-	-	*
16	Lerwick ...	59	51	*	-	5	8.2
17	Blacksod Point	56	49	*	0.3	0.2	*
18	Malin Head ...	61	51	*	-	1	0.4
	Aldergrove ...	70	53	52	-	0.1	5.2
	Donaghadee ...	61	52	*	-	0.5	*
19	Birr Castle ...	59	51	50	0.3	0.2	0.0
20	Valentia Obsy.†	55	51	47	0.6	6	0.0
	Roches Point...	61	50	*	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.
Kew	18	bcm 3o	c	cbc bw	68	52	46	-	-	8.9	*	*	6
Croydon	217	bm bc 3o y	Rtl rc rpr	cbc wbm	68	51	48	5	-	8.2	*	*	6
Greenwich (Royal Observatory) ...	149	e 3o y	ctl r	cd cb 3o	70	51	41	Tr	Tr	4.1	68	69	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	53	49	8		6.0	53	72	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	71	53	46	4		8.0	73	77	*
Camden Square	110	bcc	ctc ptl bc	*	71	53	49	0.3	-	*	*	68	*
Kensington	80	bctl	bc	*	70	53	46	-	-	6.1	At 18h.	69	*
Hampstead Observatory	450	bcpl	b	*	69	53	50	-	Tr	10.1	65	84	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd June: Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1007.5	S	2	c	63	1010.3	WNW	2	3o	55
Brussels	1006.2	W	1	c	63	1007.8	WSW	2	3o	54
Berlin	1003.3	NW	2	o	64	1000.7	SSW	4	c	57
Zürich	1009.6	SSW	2	c	52	1011.1	WSW	3	bc	54
Rome						1014.5	SE	1	c	66

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 23rd

South Kensington.

Max.	Time.	Min.	Time.
0.6	8h 22nd	0.0	20h 22nd to 0h 23rd

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	7h 23rd	<0.1	18h 22nd

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	50	-	-
70	50	1	-
?	57	12	39
54	48	5	Tr
	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	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.

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.

Gl 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

Saturday, 24th JUNE 1933.

No. 26147

OBSERVATIONS at 13h. G.M.T. 23rd June

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)...	1007·0	-8	WNW	3	c	69	55	T	8	5	-	7·8	7·8	4000
	Croydon ...	1006·9	-6	W'N	4	c	68	55	T	8	-	-	7·8	7·8	2500
	S. Farnborough	1006·9	-6	W'N	4	PR	71	55	6	9	-	-	9+	9+	1500
	Winchester ...	1007·1	-6	WSW	3	bc	68	55	T	1	-	-	4·6	4·6	4000
	Boscombe Down	1006·9	-6	W'S	3	c	66	55	8	8	-	-	7·8	7·8	2500
	Calshot, S'thmtn	1007·1	-6	SSW	4	bc	68	65	8	8	4	-	1	2·3	4000
	Dungeness ...	*	*	SW'S	4	bc	*	*	6	5	-	-	2·3	4·6	1500
	Lympne ...	1007·1	-6	SW'S	3	c	68	65	T	2	-	-	7·8	7·8	4000
2	Shoeburyness	1006·2	-6	WNW	3	bc	70	45	T	8	-	-	4·6	4·6	4000
	Felixstowe ...	1005·7	-8	W	2	3o	71	45	T	2	-	-	7·8	7·8	2500
	Gorleston ...	1005·2	-8	NE'E	1	bc	65	75	6	2	-	-	4·6	4·6	2500
	Cranwell ...	1005·5	-6	NW	2	3o	66	75	6	3	-	-	9	9	2500
3	Birmingham ...	1006·4	-2	WSW	2	bc	67	55	8	3	-	-	4·6	4·6	2500
	Upper Heyford	1006·2	-10	SW	2	c	71	55	T	2	-	-	7·8	7·8	2500
4	Ross-on-Wye ...	1006·6	0	W	3	c	68	55	8	8	6	-	7·8	7·8	4000
5	Portland Bill...	1008·9	-2	WSW	4	bc	59	85	8	5	4	-	2·3	4·6	2500
	Plymouth ...	1009·3	-6	SW	4	c	61	75	8	8	T	5	2·3	7·8	1500
	The Lizard ...	1010·1	-6	SW	3	c	58	85	8	4	-	-	10	10	2500
	Scilly (St.Mary's)	1009·5	-12	SW'W	3	id.	57	95	5	5	-	-	10	10	1500
	Guernsey ...	1010·5	+2	W	4	c	62	75	T	8	-	-	10	10	2500
6	Pembroke ...	1007·7	-8	SW	2	c	59	75	T	5	8	-	4·6	9	2500
7	Holyhead ...	1007·5	-10	SSW	3	c	60	75	T	5	3	8	4·6	9	1500
	Chester (Sealand)	1006·5	-4	WNW	3	c.	62	75	T	1	3	-	4·6	7·8	1500
8	L'pool (Bidston)	1006·9	-4	WNW	2	bc	58	85	8	1	-	-	4·6	4·6	4000
9	Harrogate ...	1005·1	-5	W'S	3	b	69	55	T	2	-	-	1	1	4000
10	Spurn Head ...	1004·8	-2	E	3	bc	65	75	T	3	1	8	2·3	4·6	4000
	Catterick ...	1004·3	-6	W	1	c	69	55	8	3	6	-	7·8	7·8	2500
	Tynemouth ...	1007·1	-2	NE	1	bc	61	85	T	5	-	-	2·3	2·3	1500
11	Inchkeith ...	1005·0	-30	S	1	c	61	85	5	8	-	-	7·8	7·8	1500
	Leuchars ...	1004·6	-14	E	3	3o	68	65	6	2	-	-	2·3	2·3	4000
12	Renfrew (Abbotts'l)	1004·5	-10	SW'S	2	c	66	65	7	2	8	8	4·6	7·8	2500
	Eskdalemuir ...	1004·0	-8	SSW	4	bc	64	75	8	T	-	-	4·6	4·6	2500
13A	Tiree	1004·4	-8	SE	2	c	58	75	9	5	3	8	·3	9+	1500
13B	Stornoway ...		-4	SE	2	bc	60	75	9	8	7	-	2·3	4·6	1500
15	Dalwhinnie ...	1004·0	-8	W	2	bc	68	55	9	4	-	-	2·3	4·6	2500
	Aberdeen ...	1005·2	0	ESE	3	bc	60	75	8	-	8	1	0	2·3	-
	Wick	1005·4	-2	SE	2	bc	55	95	7	1	1	-	2·3	4·6	1500
16	Lerwick ...	1006·1	0	SSE	2	c	59	95	7	5	3	-	4·6	7·8	800
17	Blacksod Point	1002·3	-12	SW	3	iD	57	95	5	6	-	-	10	10	<150
18	Malin Head ...	1003·5	-12	E	3	pr	55	95	T	8	-	-	9+	9+	1500
	Aldergrove ...	1004·6	-14	S	2	c	60	65	9	8	7	-	7·8	9+	2500
	Donaghadee ...	1005·4	-4	ESE	2	c/d	54	95	7	6	-	-	9	9	800
19	Birr Castle ...	1005·0	-12	S	1	rr	55	95	T	6	-	-	10	10	2500
20	Valentia Obsy.	1006·3	-6	WSW	3	o/f	56	95	6	6	-	-	10	10	<150
	Roches Point...	1006·0	-16	SW	3	ir.	56	95	7	6	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 23rd June

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)...	1005·0	-10	SW	4	bc	69	55	8	8	-	-	4·6	4·6	4000	1	*
Croydon ...	1006·0	-6	SW'W	4	bc	66	75	8	8	3	-	4·6	4·6	4000	1	*
S. Farnborough	1005·5	-2	SW	4	bc	65	75	T	7	-	5	2·3	4·6	2500	1	*
Winchester ...	1006·0	-2	SW	3	bc	63	75	8	8	-	-	4·6	4·6	4000	1	*
Boscombe Down	1005·8	-2	W'S	3	c	62	75	8	8	-	6	4·6	9+	1500	0	*
Calshot, S'thmtn	1006·9	-2	SSW	5	c	61	75	8	5	7	6	2·3	7·8	4000	0	2
Dungeness ...	*	*	SW	4	q	*	*	T	5	8	*	4·6	9+	1500	*	3
Lympne ...	1006·5	+2	WSW	4	c/pr.	61	75	T	5	-	-	9	9	4000	0	*
Shoeburyness	1005·0	-4	WSW	3	bc	65	65	8	8	-	-	4·6	4·6	4000	0	*
Felixstowe ...	1004·2	-8	W'N	2	bc	71	85	8	8	-	1	2·3	4·6	4000	0	0
Gorleston ...	1004·5	0	-	0	ir.	63	75	6	6	-	-	9+	9+	1500	0	1
Cranwell ...	1004·1	-2	NW	4	t	67	65	T	3	-	-	9	9	1500	0	*
Birmingham ...	1004·4	-6	WNW	1	c	65	65	8	9	T	-	7·8	9	2500	1	*
Upper Heyford	1005·0	-12	SSW	3	bc	67	55	8	2	3	8	1	4·6	4000	1	*
Ross-on-Wye ...	1005·3	-4	WSW	3	c	62	65	8	6	T	-	Tr.	9+	4000	0	*
Portland Bill...	1007·3	-10	WSW	4	c	57	85	T	5	T	-	7·8	10	1500	0	4
Plymouth ...	1007·1	-12	S	2	d,r.	55	95	6	6	-	-	10	10	720	1	2
The Lizard ...	1007·0	-20	SW	2	rf	56	95	2	5	-	-	10	10	800	1	2
Scilly (St.Mary's)	1006·5	-16	W'S	4	df	57	95	3	5	-	-	10	10	800	1	2
Guernsey ...	1009·3	-14	WSW	4	c	58	75	T	3	-	-	7·8	7·8	1500	0	3
Pembroke ...	1004·9	-14	SSW	2	df	55	95	2	5	-	-	10	10	220	1	2
Holyhead ...	1005·9	-8	SW'S	4	ir	52	95	6	6	-	-	9+	9+	800	0	2
Chester (Sealand)	1004·9	-8	WNW	3	c	160	85	8	5	-	6	7·8	9	2500	0	*
L'pool (Bidston)	1004·9	-4	NW'W	2	c	58	95	9	5	-	-	9+	9+	4000	0	*
Harrogate ...	1003·8	0	W	3	b	68	65	T	2	-	-	1	1	4000	0	*
Spurn Head ...	1004·0	0	E'S	2	cf-	56	95	3	5	3	-	4·6	7·8	220	0	1
Catterick ...	1003·9	+6	NE	1	c	62	85	6	8	3	-	7·8	7·8	1500	0	*
Tynemouth ...	1004·4	0	E	1	c	58	95	6	8	-	-	7·8	7·8	2500	0	1
Inchkeith ...	1004·2	-4	E	2	c	60	85	T	8	-	-	9	9	1500	0	1
Leuchars ...	1004·4	+4	E	3	b	59	85	T	5	8	-	Tr.	1	1500	0	*
Renfrew (Abbotts'l)	1003·8	+2	SW'W	2	c	62	75	8	T	-	8	7·8	7·8	4000	0	*
Eskdalemuir ...	1003·7	0	SSW	3	bc	62	65	8	1	3	-	4·6	4·6	4000	1	*
Tiree	1003·3	-4	E'N	1	c	57	75	9	5	7	8	4·6	9+	2500	0	1
Stornoway ...		+4	NE	2	c	60	85	8	8	6	-	4·6	7·8	1500	1	0
Dalwhinnie ...		-2	W	2	c	64	55	8	4	1	-	4·6	9	2500	0	*
Aberdeen ...	1005·1	+4	ESE	3	bc	55	85	T	5	3	1	1	4·6	1500	0	1
Wick	1005·2	+2	SE	2	c	55	95	8	5	1	-	7·8	9	1500	0	2
Lerwick ...	1006·2	+2	SE	3	bc	59	95	T	8	T	9	2·3	4·6	800	0	*
Blacksod Point	1001·5	-4	WSW	3	c	55	95	T	5	-	-	10	10	<150	1	2
Malin Head ...	1001·7	-8	S	2	r.r.	55	95	T	8	2	-	9	10	800	1	1
Aldergrove ...	1003·3	-2	SSE	3	c	56	85	T	5	2	-	7·8	10	2500	1	*
Donaghadee ...	1003·7	-6	W	2	c	57	95	8	5	-	-	9	9	1500	0	1
Birr Castle ...	1002·4	-14	SW	2	ir	59	85	T	6	-	-	10	10	2500	1	*
Valentia Obsy.	1005·4	-4	W	3	c	55	85	8	5	-	-	10	10	1500	1	2
Roches Point...	1003·9	-16	N	2	ir	57	95	6	6	-	-	10	10	1500	1	1

PAST 24 HOURS.

Stations.	WEATHER. 7h.–13h. 23rd (37)	13h.–18h. 23rd (38)	18h. 23rd ... to 1h. 24th (39)	1h.–7h. 24th (40)
London (Kew)...	b3o bc	bcy	bcc	cod.rd.n
Croydon ...	bcm. bbc	bccpr. bc	cbcbw	cwom.
S. Farnborough	bcc	bRbc	bcc	crom.
Winchester ...	fcm. bcy	bccbc	bc	bccorr
Boscombe Down	bccy	cbcyc	corrm.	oird.m
Calshot, S'thmtn	bcm.r	bc	crr	orrmf
Dungeness ...	bc	bc	*	d
Lympne ...	bm. bc	bc rcpr.	bccw	c.df
Shoeburyness	bbcm.	bcy	bccir.	spr.cir.
Felixstowe ...	b3o bc3o y	bc3o y	bcyc	obc3o
Gorleston ...	bbc	bccr.	crgc	bbc3o
Cranwell ...	bm. c3o	pr.cr	c	cm.
Birmingham ...	bbc	bcpr.	cir	cir.
Upper Heyford	bm. bc	bccbc	bc	bccm
Ross-on-Wye ...	bcc	bcyc	ccr. or.	r. rp
Portland Bill...	bc	bcc	r r 3 df	odc
Plymouth ...	cpr. cr.	bccr dor. fm.	ordm.	ocd.
The Lizard ...	c	drrff	ff f r b	bbcc
Scilly (St.Mary's)	or. m.	rdfdf	dfid.	cp.
Guernsey ...	bcc	cbc	orrfc	bc
Pembroke ...	cbcc	m. rffd.d.	ofidmc	cm. idir.qc
Holyhead ...	c	c	r.r.c	r. r. c
Chester (Sealand)	rn. bc	cbc	crr	orr. m.
L'pool (Bidston)	cbc	ccv	crcom	orfid
Harrogate ...	b	bcb	bbcc	bcc
Spurn Head ...	fbc	bcf	fc bcw	bcwif
Catterick ...	bbc pry	bcyc3o	bcm. cm	bcm.
Tynemouth ...	bcm	bcc	co	or. r.
Inchkeith ...	c3o c	c	RRtco	orr ir
Leuchars ...	cm. b3o	b3o bcb	b-cb	cr. r. rc
Renfrew (Abbotts'l)	fbcc	cbc	bcc	ccir
Eskdalemuir ...	bbc	bc	bc	ccir.
Tiree	ocid. im	c	c	cw
Stornoway ...	cbc	bcc	c	cpr.
Dalwhinnie ...	bc	bc	*	ir
Aberdeen ...	cm. bc	bbc	bccpr	cr. bc
Wick	iFbc	bcc	FFe	
Lerwick ...	oc	cbc	bc	bcb
Blacksod Point	iD	iD	cD	pr.c
Malin Head ...	c	cir	cr.r	
Aldergrove ...	odd m.c	cr.c	cr.rr	crr r.
Donaghadee ...	cid.	cid.c	opre	c
Birr Castle ...	cir rr	oir	cir	corr
Valentia Obsy.	orr r. fc	cid. ir.c	cpre	cpre
Roches Point...	odoir.	oir	orr c	cp.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 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 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.

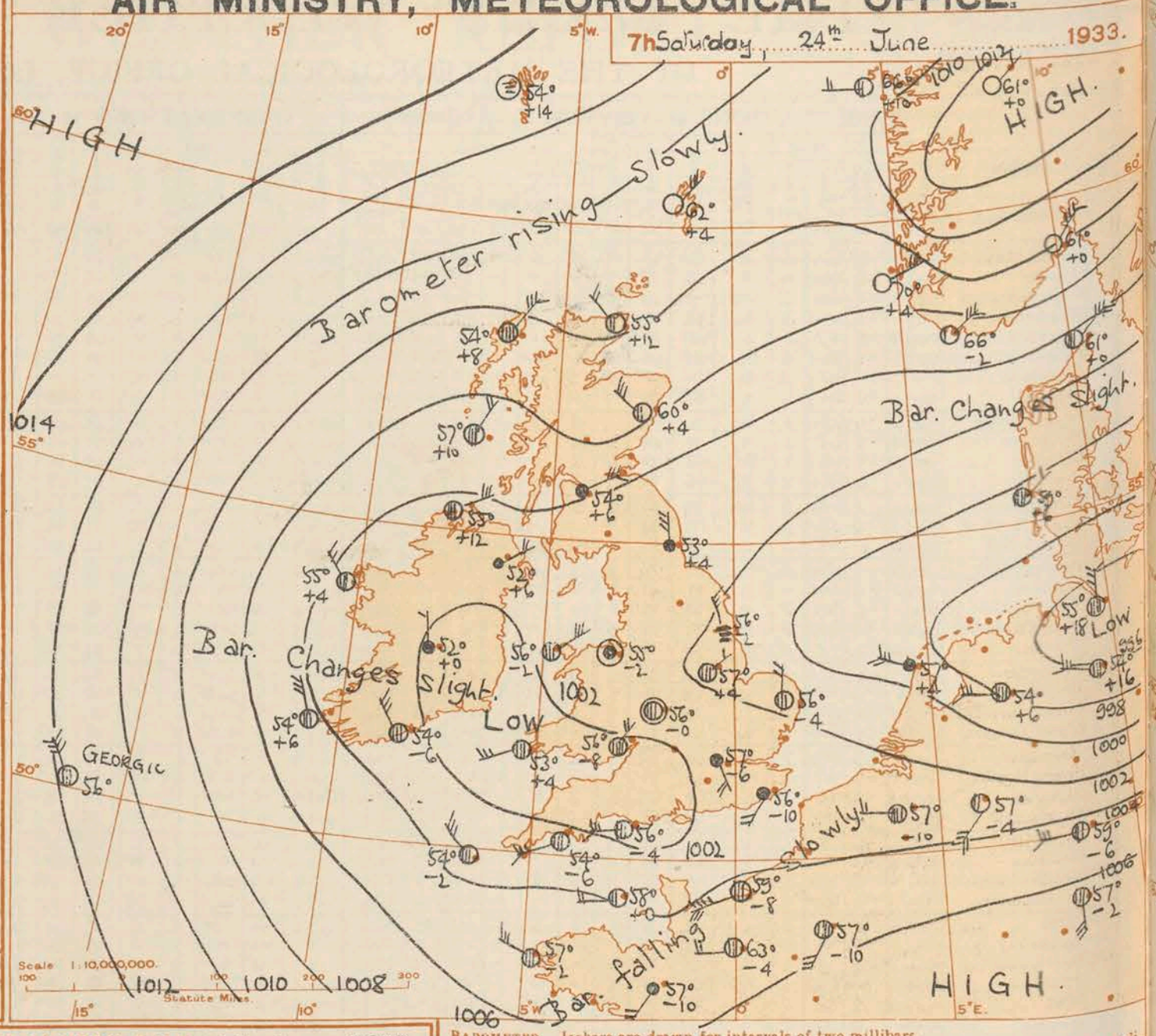
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 23rd June 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.	bc	bcc	46	72	-	-	7·5	4·8
	Bournemouth	cb	b	53	70	-	-	8·8	5·1
	Ventnor ...	pbcob	bz	52	62	0·5	-	9·2	4·2
	Southsea ...	b	b	51	70	0·4	-	9·2	7·9
	Bognor Regis	b	bbcb	53	66	-	-	11·8	9·2
	Littlehampton	bc	bc	50	63	-	-	11·9	9·1
	Worthing ...	b	bbcb	53	64	-	-	11·6	10·0
	Brighton ...	b	bbcb	53	64	-	-	10·5	12·2
	Eastbourne†	b	b	52	64	-	-	11·8	5·1
	Hastings† ...	bbc	bcbbc	51	67	-	-	10·2	5·3
	Folkestone ...	bbc	bc	51	67	-	-	10·1	10·0
	Dover... ...	mcb	bcotlr	52	64	3	14	9·4	10·9
	Deal	b	coc	51	71	-	-	7·9	11·5
	Ramsgate ...	bcmb	bbc	52	72	-	-	9·8	12·4
	Margate ...	bc	bcc	52	72	-	-	10·9	13·3
2	Southend ...	bmbc	bcbc	53	74	-	-	9·7	6·9
	Maldon ...	3b	b	46	74	-	-	10·9	6·5
	Clacton-on-Sea	bbcz	bczy	51	73	-	-	11·5	11·6
	Dovercourt ...	bm	bc	52	74	-	-	11·5	8·6
	Lowestoft ...	b	bcbc	48	72	-	-	9·3	6·4
	Skegness ...	b	bcol	47	71	-	-	10·4	14·0
	Mablethorpe	b	c	46	67	-	-	11·2	14·0
	Cleethorpes ...	bz	bc	49	70	-	-	10·9	12·8
3	Leamington S.	b	bbc	46	72	5	-	10·0	3·7
4	Cheltenham†	bcc	cbcq	46	69	5	-	9·6	6·6
5	Bath	bc	bcbbc	55	70	-	-	9·4	8·4
	Weymouth ...	bcb	bcb	53	69	-	-	8·8	7·5
	Jersey ...	cbc	bc	56	63	-	-	5·0	6·0
	Torquay ...	rpcw	cocojp	48	66	1	-	2·8	3·2
	Penzance ...	cbc	cb ro	53	61	0·5	2	2·8	0·0
	St. Ives ...	c	cbccd	54	60	0·3	2	3·1	0·6
	Bude	bc	mcbc	58	62	-	0·2	2·3	2·5
	Ilfracombe ...	cbcc	cod	57	61	-	0·1	1·6	7·9
6	Aberystwyth	cld.	id.c	55	61	Trace	Trace	0·6	11·4
7	Llandudno ...	c	cbcc	53	64	-	-	2·0	10·8
	Colwyn Bay...	oc	bcbcc	51	61	-	-	2·8	9·8
	Rhyl	cbc	bcc	48	62	-	-	3·3	10·3
8	Wallasey ...	bccb	bccbc	52	63	-	-	2·5	11·2
	Southport‖ ...	ocbcb	bcc	56	64	-	-	5·0	12·9
	Blackpool ...	cbc	bcc	55	64	-	-	5·8	12·8
	Morecambe ...	b	b	51	64	0·5	-	8·7	9·3
9	Ilkley ...	b	b	49	71	Trace	-	9·4	4·3
10	Berwick-on-T.	ocb	bpc	47	53	-	-	5·9	7·3
11	Dunbar ...	bcm	bc	52	61	-	-	6·2	8·7
12	Troon... ...	cbc	cbcbc	53	60	-	-	6·5	10·6
	Douglas ...	cb	cb	54	62	-	-	2·4	10·0

† 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 1/5 clouded. ◑ Sky 1/10 to 1/5 clouded. ◑ Overcast sky. ● Rain falling. ✳ Snow. ✱ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ϟ Thunderstorm. ∝ Haze
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 June, 1933.
1. S.E. England	Wind southerly or variable, light; cloudy; local drizzle; brighter later; close.
2. E. England...	Wind variable or northeasterly, light or moderate; cloudy; occasional rain or drizzle at first; brighter later; moderate temperature.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind west or northwest, moderate; cloudy, bright intervals; perhaps showers; moderate temperature.
6. South Wales	
7. North Wales	Wind variable or northerly, light or moderate; cloudy; occasional rain at first; brighter later; moderate temperature.
8. N.W. England	
9. N Midlands	As 2 - 4.
10. N.E England	
11. S.E. Scotland	Wind northeast, light or moderate; mainly fair; moderate temperature or rather warm.
12. S.W. Scotland & Isle of Man	
13. A. W Scotld. B. N.W Scotland	
14. Mid-Scotland	
15. N.E. Scotland	Wind northeast, light or moderate; mainly fair; local coastal fog; rather warm.
16. Orkneys and Shetlands.	
17. N.W. Ireland	As 20.
18. N.E. Ireland	As 6 - 8.
19. S.E. Ireland	Wind northerly, moderate; cloudy, bright intervals; perhaps showers; moderate temperature.
20. S.W. Ireland	

GENERAL INFERENCE.

A shallow depression over Southwest England is moving southeast and another depression is almost stationary over North Germany. Weather will be mainly fair in the extreme West and North, and is likely to improve slowly in the South and East.

FURTHER OUTLOOK.

Probably 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.

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

Morning of
Saturday,
24TH JUNE,
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, 24th June 1933.

No. 26147

OBSERVATIONS at 1 hr. G.M.T. 24th June

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	10051	-8	SSW	2	bc	53	95	7	-	3	-	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10056	-8	WSW	2	c	51	95	7	-	3	8	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	10026	-6	W	1	bc	58	85	6	-	1	-	0	4-6	-
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1002·8	-20	SW	3	dz	57	95	3	5	-	-	10	10	450
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1004·4	-8	W'N	3	b	53	95	8	4	-	1	1	1	4000
	Scilly (St. Mary's)	163	1004·7	-4	WNW	3	c	55	95	8	5	-	-	10	10	2500
	Guernsey ...	175	1004·5	-12	W'N	4	bc	55	95	7	8	-	-	4-6	4-6	2500
6	Pembroke ...	142	10010	-12	SW	2	id.	56	95	6	5	-	-	10	10	450
7	Holyhead ...	26	10037	-12	E	3	r.r.	54	95	6	6	-	-	10	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10025	-4	ENE	1	bc	54	96	7	-	1	-	0	2-3	-
	Catterick ...	175		*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	10040	0	N	2	0	55	96	7	5	-	-	10	10	1500
11	Inchkeith ...	190	10046	-8	NE	4	0	55	95	8	5	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts D	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	*	+8	NE	3	c	55	95	7	8	6	-	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	10062	+8	NNE	2	F	52	95	1	5	-	-	10	10	4150
16	Lerwick ...	54	10083	+12	-	0	bc	57	85	7	5	1	-	Tr.	2-3	1500
17	Blacksod Point	18	10026	+4	NW	2	bc	52	85	8	3	-	-	4-6	4-6	800
18	Malin Head ...	52	1002·1	+4	E	2	r.c	55	95	6	8	2	-	10	10	800
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	10040	-6	W	2	c	53	95	6	8	-	-	7-8	7-8	1500
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 24th June

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)...	1002·0	-6	E'S	1	d.d.	57	95	4	5	-	-	10	10	1500	1	*
	Croydon ...	1002·7	-6	S'E	2	id.	57	95	5	5	-	-	10	10	450	1	*
	S. Farnborough	1001·4	-6	-	0	0	57	95	6	5	-	-	10	10	450	1	*
	Winchester ...	1001·1	-10	SE	2	dr	57	95	6	6	-	-	10	10	450	1	*
	Boscombe Down	1001·0	-6	E	1	d.d.	57	95	5	5	-	-	10	10	<150	1	*
	Calshot,(S'thmtn)	1001·6	-10	S'W	3	rf	58	95	3	5	-	-	10	10	<150	1	2
	Dungeness ...	*	*	SW'S	2	d.d.	*	*	5	6	-	*	10	10	800	*	0
	Lympne ...	1003·2	-10	SW'S	2	df	56	95	3	5	-	-	10	10	<150	1	*
2	Shoeburyness	1002·6	-4	SSW	1	c/r.	58	95	7	5	-	-	9+	9+	1500	0	*
	Felixstowe ...	1002·7	0	WSW	1	3.	57	85	6	7	-	6	4-6	4-6	4000	0	1
	Gorleston ...	1001·8	-4	N	2	3.	56	95	5	-	7	2	0	7-8	-	0	1
	Cranwell ...	1002·0	+4	ENE	1	c	57	85	6	5	7	-	7-8	10	5700	1	*
3	Birmingham ...	1002·4	0	-	0	c/r	56	95	6	6	7	-	4-6	9+	1500	1	*
	Upper Heyford	1002·3	-4	-	0	c	57	85	7	5	2	-	2-3	10	7500	81	*
4	Ross-on-Wye ...	1001·5	-8	ENE	2	0	56	95	6	6	-	-	10	10	800	1	*
5	Portland Bill...	1001·6	-4	W	4	c	56	95	7	5	7	-	7-8	10	1500	1	3
	Plymouth ...	1002·7	-6	WSW	4	c/d	54	85	7	6	-	-	9+	9+	800	1	3
	The Lizard ...	1003·4	0	W'N	3	c	55	85	8	8	-	-	9+	9+	2500	1	3
	Scilly (St. Mary's)	1003·7	-2	NW	3	c.p	54	85	7	8	-	-	9	9	2500	1	2
	Guernsey ...	1004·0	0	W'N	2	bc	58	85	7	8	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	1000·8	+4	WSW	3	c	53	95	7	8	6	-	7-8	9	1500	1	2
7	Holyhead ...	1002·6	-2	ENE	3	c	56	95	6	6	3	-	9+	9+	800	1	2
	Chester (Sealand)	1002·2	-2	-	0	r.r.	55	95	5	6	-	-	10	10	1500	1	*
8	L'pool (Bidston)	1002·3	0	-	0	df	55	95	3	5	-	-	10	10	450	1	*
9	Harrogate ...	1003·3	0	NNE	3	c	56	85	7	5	-	-	7-8	7-8	2500	0	*
10	Spurn Head ...	1001·7	-2	N'W	3	cf	56	95	3	5	7	-	4-6	7-8	<150	0	2
	Catterick ...	1003·1	+2	NNW	2	bc	55	95	6	5	3	1	4-6	4-6	1500	0	*
	Tynemouth ...	1003·4	+4	N	3	r.r.	53	95	7	6	-	-	10	10	1500	1	*
11	Inchkeith ...	1005·1	+6	NE	2	ir	53	95	7	6	-	-	10	10	1500	1	2
	Leuchars ...	1005·6	+2	NW	2	c/r.	56	95	7	5	7	-	9+	9+	5700	1	*
12	Renfrew (Abbotts D	1004·9	+6	ENE	4	r.r.	54	95	6	5	2	-	7-8	10	4000	1	*
	Eskdalemuir ...	1004·0	+4	N'E	3	r.	53	85	7	6	7	-	7-8	9+	1500	1	*
13A	Tiree	1005·3	+10	NE'N	2	c	57	95	6	5	7	-	2-3	9+	2500	0	1
13B	Stornoway ...		+8	NE	4	o/pr.	54	95	7	5	-	-	10	10	800	1	2
15	Dalwhinnie ...	1001·1	+12	NE	2	c	55	85	8	4	1	-	4-6	9	2500	1	*
	Aberdeen ...	1006·3	+4	NW	3	bc	60	85	8	-	3	-	0	4-6	-	1	1
	Wick	1008·4	+12	NW	2	bc	55	95	7	5	1	-	4-6	4-6	1500	0	2
16	Lerwick ...	1009·2	+4	NE	3	b	62	75	8	-	-	-	0	0	-	0	*
17	Blacksod Point	1003·2	+4	NW	2	c	55	95	8	4	-	-	7-8	7-8	800	0	2
18	Malin Head ...	1003·9	+12	E'N	3	c	55	95	7	7	4	-	7-8	9	800	1	1
	Aldergrove ...	1003·4	+6	ENE	2	ir	52	95	7	5	7	-	7-8	9+	1500	1	*
	Donaghadee ...	1003·4	+4	NE	2	c	52	95	8	5	-	-	9	9	1500	1	0
19	Birr Castle ...	1001·9	0	N	1	rr	52	95	7	6	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1004·5	+6	N'W	3	c	54	85	8	8	-	-	9	9	1500	1	2
	Roches Point...	1002·7	-6	NW	3	c	54	85	8	3	-	-	9	9	1500	0	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 23rd Hrs. (36)
1	London (Kew)...	72	55	51	-	0·1	10·3
	Croydon ...	71	53	50	Tr.	Tr.	10·0
	S. Farnborough	73	53	50	5	0·3	10·3
	Winchester ...	71	53	52	-	3	7·8
	Boscombe Down	69	53	53	-	5	8·9
	Calshot,(S'thmtn)	68	56	55	-	3	9·2
	Dungeness ...	66	53	*	-	Tr.	*
	Lympne ...	68	51	49	Tr.	0·1	11·3
2	Shoeburyness	74	53	49	-	Tr.	11·7
	Felixstowe ...	73	53	53	-	-	13·2
	Gorleston ...	65	53	51	0·2	0·5	12·1
	Cranwell ...	71	52	50	Tr.	-	8·5
3	Birmingham ...	71	53	52	Tr.	1	9·4
	Upper Heyford	71	54	50	-	-	*
4	Ross-on-Wye ...	70	55	54	-	4	8·8
5	Portland Bill...	61	55	*	-	2	*
	Plymouth ...	62	54	51	3	3	1·6
	The Lizard ...	62	52	*	5	2	*
	Scilly (St. Mary's)	60	53	*	5	0·5	0·0
	Guernsey ...	64	54	51	-	2	7·9
6	Pembroke ...	61	52	*	4	2	1·1
7	Holyhead ...	61	51	51	0·2	4	2·9
	Chester (Sealand)	65	54	54	-	4	6·1
8	L'pool (Bidston)	61	54	53	-	2	2·5
9	Harrogate ...	70	53	48	-	-	14·2
10	Spurn Head ...	68	51	*	-	Tr.	13·7
	Catterick ...	71	52	49	0·2	-	7·1
	Tynemouth ...	61	53	52	-	2	*
11	Inchkeith ...	65	53	51	-	3	4·5
	Leuchars ...	68	50	41	-	3	8·3
12	Renfrew (Abbotts D	68	52	47	-	1	7·0
	Eskdalemuir ...	68	46	43	-	Tr.	13·2
13A	Tiree	60	51	43	0·1	-	1·7
13B	Stornoway ...	61	53	*	-	Tr.	5·6
15	Dalwhinnie ...	70	45	36	-	1	9·6
	Aberdeen ...	60	52	50	-	1	9·4
	Wick	57	51	*	-	0·1	*
16	Lerwick ...	62	57	*	-	-	4·5
17	Blacksod Point	58	50	*	5	0·3	*
18	Malin Head ...	57	53	*	2	6	0·0
	Aldergrove ...	63	52	50	1	16	0·1
	Donaghadee ...	60	52	*	Tr.	2	*
19	Birr Castle ...	60	50	49	6	11	0·0
20	Valentia Obsy.†	57	52	50	7	2	0·8
	Roches Point...	57	52	*	4	3	*

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h–15h.

	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. Yesterday.	Humidity 15h. G.M.T. % Yesterday.	Humidity 9h. G.M.T. % To-day.	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	b3.bc	bcy	bcc.d.rd	72	55	51	-	0·1	10·3	*	*	6
Croydon	217	bcm.b.bc	bcc.pr.bc	c.bc.b.w.c.a	71	53	50	Tr.	Tr.	10·0	*	*	6
Greenwich (Royal Observatory) ...	149	bcy	cy	c.bc	77	53	46	-	Tr.	10·9	55	83	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	72	55	53	0·4		12·1	49	81	*
‡Regents Pk. (Botanic Gardens) ...	168	*	*	*	73	58	51	Tr.		12·4	58	94	*
Camden Square	110	bc	c	*	74	55	55	-	Tr.		*	86	*
Kensington	80	bc	bc	*	73	54	50	-	0·1	12·0	At 18h.	86	*
Hampstead Observatory	450	bc	bc	*	72	52	48	-	Tr.	11·8	59	92	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·3	8h.-23rd.	Nil	

Kew Observatory. Max.	Time.	Min.	Time.
0·2	8-9h. 23rd.	<0·1	1-4h. 24th.

FOREIGN OBSERVATIONS.

18h. G.M.T. 23rd June — 7h. G.M.T. 24th June

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.
Paris	1008·5	WNW	3	c/pr	64	1005·7	SSW	3	o/r	57
Brussels	1004·9	W	3	c	64	1003·5	W	2	0	57
Berlin	1002·3	SSW	3	c	59	996·6	S	4	rr	55
Zürich	1011·6	WNW	4	c	57	1011·1	W	4	c/r	55
Rome	1015·1	WSW	4	bc	66	1016·0	W	2	bc	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day. mm.	Rainfall Night. mm.
72	55	Tr.	1
66	50	Tr.	-
64	54	0·3	3
66	54	1	0·4
72	57	-	-

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.

†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 25th. June 1933.

No. 26, 148

OBSERVATIONS at 13h. G.M.T. 24th. June

Division	Stations. (For heights see p. 4.)	(1) Barom. at M.S.L. mb.	(2) Change in 3 hours.	(3) Wind. Direc.	(4) Wind. Force. 0-12	(5) Weather.	(6) Temp. °F.	(7) % Humid.	(8) Visibility 0-9	(9) Cloud. Form. Low.	(10) Form. Med.	(11) Form. High.	(12) Amount. Low 0-10	(13) Amount. Total 0-10	(14) Height of Base. (feet)
1	London (Kew)	1001·1	-4	SE	3	c/r	62	85	6	8	2	-	9	10	1500
	Croydon	1001·9	-2	S	1	r₀r₀	61	96	5	6	2	-	7-8	10	2500
	S. Farnborough	1000·9	0	S	1	r₀r₀	61	96	7	9	3	-	9+	9+	800
	Winchester	1000·8	+2	WSW	4	c	63	85	7	8	-	-	7-8	7-8	1500
	Boscombe Down	1001·0	+2	WNW	2	c/r	62	85	7	8	-	-	9+	9+	1500
	Calshot, S'thmtn	1001·6	+2	SSW	5	bc	63	65	8	8	3	-	4-6	4-6	2500
	Dungeness	*	*	SW	3	o/r	*	*	6	5	-	*	10	10	800
	Lympne	1002·1	-4	SSW	3	c	60	85	7	5	7	-	9	9+	800
2	Shoeburyness	1001·6	-4	ESE	2	c	63	65	7	5	2	-	4-6	9+	2500
	Felixstowe	1001·6	0	SSE	3	ir₀	62	75	8	5	2	-	9+	9+	4000
	Gorleston	1001·5	0	NE	2	c	62	75	6	-	7	-	0	7-8	-
	Cranwell	1001·7	-2	NNE	2	c	66	65	7	7	-	6	7-8	10	2500
3	Birmingham	1001·9	0	SE	1	pr₀	61	75	6	9	7	-	7-8	10	2500
	Upper Heyford	1001·3	-2	S	1	ir₀	60	85	7	9	2	-	7-8	10	2500
4	Ross-on-Wye	1000·8	0	E	2	id₀	62	85	7	6	-	-	10	10	2500
5	Portland Bill	1001·6	0	W	5	bc	58	85	7	4	-	-	4-6	4-6	2500
	Plymouth	1002·5	+2	SW	3	c/pr	59	75	8	9	7	-	7-8	9+	1500
	The Lizard	1003·1	0	W'N	3	bc	61	75	8	2	3	-	4-6	4-6	4000
	Scilly (St. Mary's)	1003·3	0	WNW	4	c	62	75	8	3	5	-	4-6	7-8	4000
	Guernsey	1003·7	0	W	3	c	62	65	8	8	-	-	9	9	2500
6	Pembroke	1001·6	0	SW	2	c	59	85	7	5	8	1	4-6	7-8	1500
7	Holyhead	1002·7	+2	NE	4	c	61	85	5	5	-	-	9+	9+	2500
	Chester (Sealand)	1002·4	0	ENE	3	c	64	65	6	5	-	-	9+	9+	2500
8	L'pool (Bidston)	1002·2	0	E	2	z₀	63	65	5	5	-	-	10	10	800
9	Harrogate	1003·1	0	N	3	c/r	57	95	5	6	2	-	9	10	2500
10	Spurn Head	1001·0	-2	N	5	c	61	95	7	3	2	-	4-6	9+	4000
	Catterick	1003·1	+2	NW'N	2	o/d	59	95	5	5	-	-	10	10	1500
	Tynemouth	1003·8	+8	N	3	ir₀	57	95	7	6	-	-	10	10	1500
11	Inchkeith	1005·7	+2	NE	4	c	63	85	8	5	5	-	4-6	9	2500
	Leuchars	1006·7	+10	NE	4	c	65	75	8	6	9	9	4-6	9	5700
12	Renfrew (Abbotts I)	1004·7	-2	NE	4	c	70	65	8	1	3	1	4-6	7-8	4000
	Eskdalemuir	1003·3	+2	NE'N	4	c/p bc	66	75	7	8	7	1	4-6	7-8	2500
13a	Tiree	1007·4	+6	N	3	c	57	85	9	8	6	-	9	9+	2500
13b	Stornoway	"	+10	NE	6	c	58	95	6	5	7	-	7-8	9+	450
15	Dalwhinnie	"	+6	NE	3	c	64	65	8	4	1	-	4-6	9	2500
	Aberdeen	1008·6	+16	NE	3	bc	65	65	8	3	8	9	Tr	2-3	4000
	Wick	1009·6	+8	NE	4	bc	60	85	8	5	1	4	2-3	4-6	2500
16	Lerwick	1010·4	+2	NNE	3	bc	60	85	8	5	1	1	1	2-3	2500
17	Blacksod Point	1005·6	+16	N	5	cq	58	95	8	8	-	-	7-8	7-8	450
18	Malin Head	1006·0	+12	NE'N	3	c	59	85	7	2	9	3	Tr	9	1500
	Aldergrove	1004·3	+6	NE'N	2	bc	64	75	8	2	5	5	1	2-3	4000
	Donaghadee	1004·3	+6	E	2	bc	60	85	8	5	3	-	2-3	4-6	2500
19	Birr Castle	1002·9	+4	R	1	ir₀	60	95	7	8	-	-	9+	9+	1500
20	Valentia Obsy.	1005·3	+4	NW'W	4	c	58	85	8	8	-	-	9+	9+	800
	Roches Point	1003·4	+6	NW	4	c/pr	57	85	8	6	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 24th. June

Division	Stations. (For heights see p. 4.)	(15) Barom. at M.S.L. mb.	(16) Change in 3 hours.	(17) Wind. Direc.	(18) Wind. Force. 0-12	(19) Weather.	(20) Temp. °F.	(21) % Humid.	(22) Visibility 0-9	(23) Cloud. Form. Low.	(24) Form. Med.	(25) Form. High.	(26) Amount. Low 0-10	(27) Amount. Total 0-10	(28) Height of Base (feet)	(29) State of Ground. 0-9	(30) Sea. 0-9
1	London (Kew)	1000·9	-4	SE	2	c	64	85	8	8	-	-	9	9	2500	1	*
	Croydon	1001·4	-4	SW'W	3	c	64	75	8	8	3	-	9	9	2500	1	*
	S. Farnborough	1000·8	0	SW	4	c	64	75	8	8	3	-	4-6	7-8	2500	1	*
	Winchester	1000·9	0	SW	3	bc	64	75	8	2	-	-	4-6	4-6	2500	1	*
	Boscombe Down	1000·8	-2	WSW	2	c	62	75	8	8	-	-	9+	9+	2500	1	*
	Calshot, S'thmtn	1001·6	-2	SSW	4	bc	61	75	8	1	8	-	1	2-3	2500	0	2
	Dungeness	*	*	SW'W	3	bc	*	*	7	4	8	*	1	2-3	1500	*	3
	Lympne	1002·1	+2	SW	3	bc	61	75	8	7	-	-	2-3	2-3	2500	0	*
2	Shoeburyness	1001·3	-2	S	1	bc	64	85	7	8	9	-	4-6	4-6	4000	1	*
	Felixstowe	1001·2	-2	SE'S	1	c	61	85	7	5	7	-	7-8	9+	4000	0	1
	Gorleston	1001·6	+2	E'N	2	c	60	85	6	5	-	-	10	10	2500	0	1
	Cranwell	1001·6	+2	NE'N	3	c	63	85	6	8	3	-	9	9+	2500	0	*
3	Birmingham	1002·2	0	NE	2	ir₀	58	85	6	6	7	-	7-8	10	4000	1	*
	Upper Heyford	1001·9	+2	-	0	r₀r₀	58	95	6	6	2	-	9	9+	1500	1	*
4	Ross-on-Wye	1001·7	+4	SW	1	rr	57	95	6	6	-	-	10	10	800	1	*
5	Portland Bill	1001·6	0	WSW	5	c	57	85	7	5	-	-	7-8	7-8	2500	0	4
	Plymouth	1002·3	+2	SW	3	c	57	75	8	8	9	1	4-6	9	2500	1	2
	The Lizard	1002·9	0	W'N	2	bc	57	85	8	4	7	-	4-6	4-6	2500	0	2
	Scilly (St. Mary's)	1003·1	0	W'N	4	c	57	85	8	8	1	-	7-8	7-8	4000	0	2
	Guernsey	1003·8	0	W	2	bc	58	65	9	8	-	-	4-6	4-6	2500	0	2
6	Pembroke	1001·3	0	W	1	c/pr	57	85	7	8	6	-	7-8	9	1500	1	2
7	Holyhead	1003·7	+8	NE	4	c	60	75	8	5	7	1	Tr	9	1500	1	2
	Chester (Sealand)	1002·1	0	SE'E	2	z₀	66	75	6	2	3	-	4-6	9	1500	1	*
8	L'pool (Bidston)	1002·9	0	NE	3	pr₀	62	85	6	3	7	-	2-3	4-6	1500	0	*
9	Harrogate	1003·5	0	E	3	ir₀	60	85	7	6	1	-	9	10	2500	1	*
10	Spurn Head	1001·3	0	NE	4	c	59	95	6	5	2	9	4-6	7-8	1500	0	3
	Catterick	1004·0	+12	NNE	3	o	59	95	5	5	-	-	10	10	1500	1	*
	Tynemouth	1003·6	+10	NNE	3	bc	58	95	7	2	-	1	4-6	4-6	2500	1	2
11	Inchkeith	1008·4	+6	NE	4	c	60	85	8	5	4	2	4-6	7-8	4000	0	3
	Leuchars	1008·6	+10	NE	3	c	63	75	8	-	-	4	0	7-8	-	0	*
12	Renfrew (Abbotts I)	1007·1	+16	NE'E	34	c	67	65	8	-	7	1	0	9	-	1	*
	Eskdalemuir	1005·9	+14	NE'N	4	c	60	75	7	6	7	3	Tr	9+	1500	1	*
13a	Tiree	1008·9	+14	N'E	4	c	60	85	8	8	9	4	1	9	4000	0	2
13b	Stornoway	*	+16	NE	4	c	57	95	6	8	7	-	4-6	7-8	1500	1	2
15	Dalwhinnie	1009·4	+12	NE	3	bc	64	75	8	4	1	-	2-3	4-6	2500	0	*
	Aberdeen	1010·0	+10	NE'N	2	bc	61	85	8	3	8	3	1	4-6	4000	0	1
	Wick	1010·8	+12	NNE	3	bc	59	85	8	5	-	-	2-3	4-6	2500	0	2
16	Lerwick	1011·0	+6	NNE	3	b	58	85	8	-	-	-	0	0	-	0	*
17	Blacksod Point	1007·5	+10	N	5	bc	59	85	7	-	4	-	0	4-6	-	0	3
18	Malin Head	1006·9	+4	E	1	bc	59	85	7	2	9	9	Tr	4-6	1500	1	1
	Aldergrove	1005·8	+8	NNW	2	pr₀	60	85	7	8	-	-	10	10	2500	1	*
	Donaghadee	1005·3	+8	NNE	2	c	57	95	7	9	-	-	7-8	7-8	1500	1	2
19	Birr Castle	1004·3	+8	NE	1	c	60	85	7	5	2	-	4-6	10	2500	1	*
20	Valentia Obsy.	1005·9	+6	NW	4	c	59	85	8	5	-	1	9+	9+	1500	1	2
	Roches Point	1003·3	+4	NW	4	c/pr	59	85	8	6	-	-	9	9	1500	1	3

PAST 24 HOURS.

Division	Stations. (For heights see p. 4.)	(31) Weather. 7h.–13h. 24th.	(32) Weather. 13h.–18h. 24th.	(33) Weather. 18h. 24th. to 1h. 25th.	(34) Weather. 1h.–7h. 25th.
1	London (Kew)	od cirk	ctirc	ctbc	bc c
	Croydon	cr₀rt	fcRRc	bcc	cr₀bc
	S. Farnborough	cdr₀c	ctlPRbc	cbc	cr₀oc
	Winchester	crdr₀cr	cbc	bc	bc
	Boscombe Down	od₀cr₀rr	cpr₀c	c	cm₀
	Calshot, S'thmtn	u₀fcirbc	b bc	bc	bc cpr₀
	Dungeness	f	bc	*	bc
	Lympne	dfo ir	cpr₀bcv	bc b	bw bc v
2	Shoeburyness	circ	cr₀r₀bc	bc	bcw
	Felixstowe	bcz₀bcc	cr₀c	ccrc	cbcc
	Gorleston	mcz₀c	bc c	c	c cr₀r₀
	Cranwell	m₀c	c	cm₀	crrom₀
3	Birmingham	cpr₀	corr	or₀cr	or₀R
	Upper Heyford	cir₀	r₀birr₀	ir₀	cirRcrr
4	Ross-on-Wye	dmrco	id₀rr	mr₀r₀	cmr₀r
5	Portland Bill	bc	bcc	c	c
	Plymouth	cpr₀	c	cbc	bc
	The Lizard	cbc	bc	bcw	bc
	Scilly (St. Mary's)	c	c	cpbc	bcc
	Guernsey	bc c	cbc	bcw	bcwc
6	Pembroke	c	tbccpr₀c	cm₀idc	cid₀rm₀c
7	Holyhead	cm₀	cm₀c	crsc	cm₀ pr₀
	Chester (Sealand)	r₀d₀ cm₀c	cr₀Rm₀	crRc	
8	L'pool (Bidston)	dfmzo	orRa	corrb	
9	Harrogate	cir	cir	cir	cir
10	Spurn Head	fc	bc	fdid	id c
	Catterick	om₀rrd₀	om₀cm₀	om₀rr	om₀
	Tynemouth	oir₀	oir₀bc	bcc	cbc
11	Inchkeith	rrrc	c	cbc	bcw
	Leuchars	cir₀cq	cq tbc	cbbw	bw b
12	Renfrew (Abbotts I)	r₀r₀rrc	bcc	tcbt	b
	Eskdalemuir	crrbc	cbc	c	bcW
13a	Tiree	cir₀	cjp bcc	cbc	bc bw
13b	Stornoway	c	cbcc	cm₀	cir₀m₀
15	Dalwhinnie	c	c	c	b
	Aberdeen	bc b	b bc	bc bbc	bcc
	Wick	tc	bc	FF	FF
16	Lerwick	bbc	bc b	bbcFFc	FF cm₀
17	Blacksod Point	pr₀cq	bcq	pr₀bcq	bc
18	Malin Head	cbt	cpr bc	bc	bcc
	Aldergrove	cir₀cbc	bcp	cPRcbc	bc
	Donaghadee	cbc	bcpr₀c	cpr₀c	cbc
19	Birr Castle	rc ir₀	r₀c	cir	c
20	Valentia Obsy.	cbcc	c	cpr₀c	cbcc
	Roches Point	cpr₀c	cprtc	cpc	cpc

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/s₀, slight storm of drifting snow (generally low).
K/S, heavy storm of drifting snow (generally low).
s₀/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. r₀, 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.
"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.

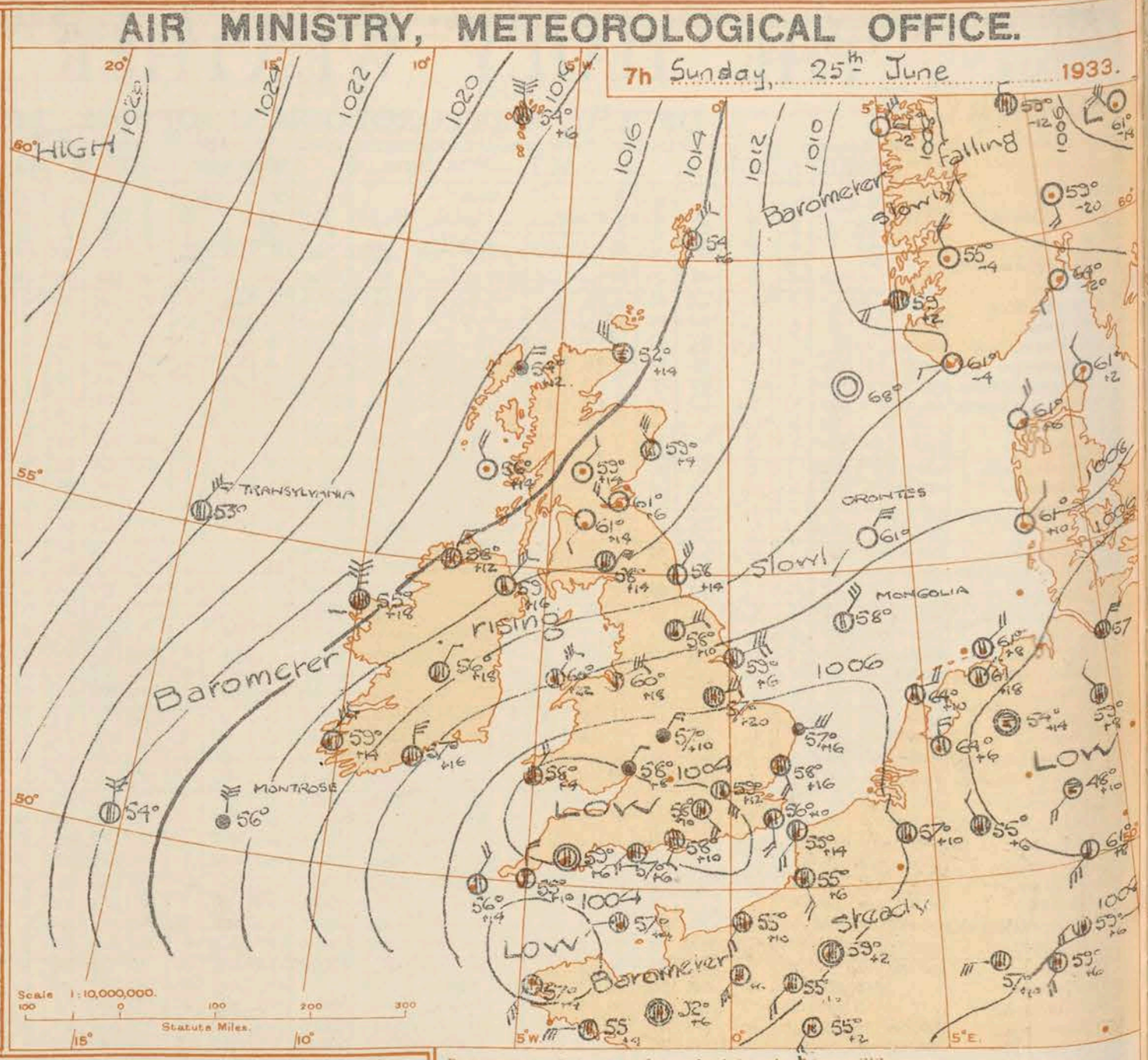
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow greater than 6 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 24th June 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.	op	obc	52	68	Trace	1	1·7	9·1
	Bournemouth	ab bc	bc	56	67	3	—	4·1	8·9
	Ventnor ...	ormb	b	55	60	5	—	7·0	6·6
	Southsea ...	ordcc	bbc	57	65	4	—	4·4	9·9
	Bognor Regis	odoc	cbcb	57	63	2	Trace	3·3	12·9
	Littlehampton	cbc	bc	56	62	1	—	2·8	13·0
	Worthing ...	cdoc	cbc	57	63	1	Trace	3·3	12·7
	Brighton ...	roc	b	56	62	1	0·1	3·2	11·9
	Eastbourne†	do oc	c bc	55	62	2	Trace	4·6	13·6
	Hastings† ...	oromo	ocbcb	54	64	2	1	3·3	11·0
	Folkestone ...	ofid	cdcbc	53	65	1	Trace	2·2	11·0
	Dover... ...	mdo	ombc	54	62	0·6	0·2	2·3	10·3
	Deal	cro	co	53	66	—	Trace	1·0	8·8
	Ramsgate ..	cido	idro	54	64	—	1	0·3	10·0
	Margate ...	c	crd	53	66	—	0·6	1·0	11·8
2	Southend ...	co	oirc	54	64	1	1	0·3	10·0
	Maldon ...	c	cir	50	68	—	Trace	0·2	13·1
	Clacton-on-Sea	bcc	c	54	64	—	—	1·8	12·5
	Dovercourt ...	bc	rbcc	53	67	—	Trace	2·4	12·0
	Lowestoft ...	bczbc	bcc	51	65	1	—	8·7	9·3
	Skegness ...	beouc	co	52	64	—	—	6·5	10·4
	Mablethorpe	cbcc	cadmo	51	65	—	Trace	2·8	11·3
	Cleethorpes...	oco	oro	53	63	—	Trace	0·3	11·0
3	Leamington S.	opr	opr	54	64	1	4	0·0	10·0
4	Cheltenham†	ocarc	oaoir	54	63	0·5	1	0·0	9·6
5	Bath	cdoc	cbc	56	66	4	Trace	2·1	9·4
	Weymouth ...	roob	bc	55	66	4	—	6·1	8·8
	Jersey ...	robc	bcc	56	61	7	—	6·7	5·3
	Torquay ...	rbc	bcrpc	53	64	3	0·5	3·5	2·8
	Penzance ...	cbc	cbc	52	63	3	—	3·1	2·7
	St. Ives ...	dacbc	d	54	61	2	3	3·5	3·1
	Bude	bc	cbc	53	61	7	—	3·4	2·5
	Ilfracombe ...	b	b bc	56	62	5	—	9·6	1·6
6	Aberystwyth	dcid	cdidc	53	61	1	5	0·2	0·6
7	Llandudno ...	oc	c	54	63	8	—	0·0	2·0
	Colwyn Bay...	ro	o	53	63	7	—	0·0	2·8
	Rhyl	omy	gorgc	54	64	3	0·1	0·0	3·3
8	Wallasey ...	omo	ropbc	56	66	3	Trace	0·8	2·5
	Southport‖ ...	odoc	ocgo	55	67	3	0·4	1·1	5·0
	Blackpool ...	od	coro	55	65	4	1	0·3	5·8
	Morecambe ...	cdpc	ctbc	56	68	—	0·3	2·6	9·5
9	Ilkley... ...	bbcc	opro	51	64	—	2	2·9	11·8
10	Berwick-on-T.	bc	ocbc	54	62	6	—	4·6	6·4
11	Dunbar ...	rbc	bc	53	62	6	—	4·4	6·2
12	Troon... ...	oro	chcc	52	72	Trace	1	3·2	6·6
	Douglas ...	oic	cdrly	52	65	6	1	2·3	2·4

† 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. 25th June, 1933.
1. S.E. England	Light south to southeast wind. Mainly cloudy, showers and perhaps thunder; moderate temperature.
2. E. England...	
3. E. Midlands	Light to moderate northeast to east wind; mainly cloudy; occasional rain or showers and perhaps thunder; Moderate temperature.
4. W. Midlands	
5. S.W. England	Light variable or northeasterly wind, mainly cloudy, showers and perhaps thunder; moderate temperature.
6. South Wales	
7. North Wales	Light or moderate northeasterly wind; mainly fair but local showers; moderate or rather high temperature.
8. N.W. England	
9. N Midlands	Light or moderate northeasterly wind; mainly fair, local showers; moderate temperature.
10. N.E England	
11. S.E. Scotland	Light or moderate north or northeast wind; fair or fine; rather high temperature.
12. S.W. Scotland & Isle of Man	
13. A. W Scotld. B. N.W. Scotland.	
14. Mid-Scotland	
15. N.E. Scotland	Light or moderate north or northeast wind; mainly fair; moderate temperature.
16. Orkneys and Shetlands.	
17. N.W. Ireland	Light or moderate northerly or northeasterly wind; bright intervals and local showers; moderate temperature.
18. N.E. Ireland	
19. S.E. Ireland	
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 6/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✳ Snow. ✶ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. K Thunderstorm. ∞ Haze.
SEA DISTURBANCE.~~Rough. ≈≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A shallow depression over Southwest England is almost stationary. Pressure is rising generally over the British Isles. Weather will be mainly cloudy in the south and east with showers and perhaps thunder. In the north and west weather will be mainly fair.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1100 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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 25th. June 1933.

No. 26,148

OBSERVATIONS at 1 hr. G.M.T. 25th. June

Dist.	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	10028	+2	S	3	c	55	95	7	5	-	-	9-	9+	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1004·1	+6	SW	2	b	51	95	8	5	-	-	1	1	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	10035	+4	E	3	c	58	85	7	5	-	-	10	10	2500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	406	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	10029	+8	W	3	c	54	85	8	5	-	-	7-8	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	10036	+2	NW	2	bc	52	95	8	8	-	1	4-6	4-6	2500
	Scilly (St. Mary's)	163	10026	0	NEN	2	bc	55	95	7	5	-	-	2-3	2-3	4000
	Guernsey	175	10040	0	-	0	bc	53	95	9	8	-	-	4-6	4-6	2500
6	Pembroke	142	10042	+8	NE	1	id.	55	95	6	3	-	-	10	10	1500
7	Holyhead	26	10056	+6	NE	5	c	57	85	6	5	-	-	7-8	7-8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	10034	+6	E'N	6	id.	56	95	6	6	2	-	4-6	9+	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	10082	+2	NE	4	c	57	95	6	6	-	-	7-8	7-8	1500
11	Inchkeith	190	10109	+2	NE	4	bc	56	95	8	5	-	-	2-3	2-3	4000
	Louchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts I.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	-	+10	NNE	2	c	55	95	6	8	2	-	4-6	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	10130	+8	WNW	3	F	55	95	1	5	-	-	10	10	<150
16	Lerwick	54	10134	+6	NNE	4	F	52	95	1	5	-	-	10	10	<150
17	Blacksod Point	18	1010·8	+2	N	5	q	58	85	7	3	-	-	4-6	4-6	800
18	Malin Head	52	1011·5	+14	E'N	3	bc	57	95	7	5	3	2	1	4-6	1500
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	10084	+14	N	4	c/pr	55	95	7	8	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th. June

Dist.	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)	1009·5	+10	SE	2	c	59	85	8	5	-	9	7-8	7-8	1500	1	*
	Croydon	1009·9	+10	SSE	3	c	59	85	8	7	-	1	4-6	7-8	1500	1	*
	S. Farnborough	1009·1	+10	SE	2	c	58	95	8	7	-	1	4-6	7-8	1500	1	*
	Winchester	1010·7	+8	SSW	1	c	56	95	7	5	-	-	7-8	7-8	2500	1	*
	Boscombe Down	1010·3	+10	W	1	ir	55	95	6	5	-	-	10	10	450	1	*
	Calshot, (S'thmtn)	1010·8	+10	SW'S	1	c/pr	58	75	8	8	8	-	4-6	9	4000	0	0
	Dungeness	*	*	SSW	2	bc	*	*	8	2	-	*	2-3	2-3	1500	*	2
	Lympne	1005·9	+10	S	2	c	56	95	9	4	-	1	7-8	9	1500	0	*
2	Shoeburyness	1005·8	+14	SSE	2	bc	59	85	8	7	4	-	4-6	4-6	2500	0	*
	Felixstowe	1005·3	+16	SSE	2	c	58	85	7	8	3	1	4-6	7-8	1500	0	1
	Gorleston	1005·5	+16	E'S	3	r/s	57	95	6	6	-	-	10	10	1500	1	2
	Cranwell	1006·4	+20	NEE	4	o	57	95	6	5	-	-	10	10	450	1	*
3	Birmingham	1005·3	+10	NE	2	rr	57	95	5	6	-	-	10	10	800	1	*
	Upper Heyford	1004·4	+12	E	2	rr	57	95	5	6	-	-	10	10	800	1	*
4	Ross-on-Wye	1004·1	+8	NNE	1	rr	58	95	4	6	-	-	10	10	800	1	*
5	Portland Bill	1003·5	+6	W	2	c	57	85	8	5	-	-	7-8	7-8	2500	0	2
	Plymouth	1004·3	+6	-	0	bc	59	75	8	8	7	9	1	4-6	2500	1	1
	The Lizard	1004·8	+10	N	2	bc	55	95	8	7	6	-	2-3	4-6	2500	1	2
	Scilly (St. Mary's)	1004·8	+14	NE	2	bc	56	95	7	2	3	-	1	4-6	4000	1	2
	Guernsey	1004·3	+4	WNW	1	c	57	86	9	8	-	-	7-8	7-8	1500	0	1
6	Pembroke	1003·6	+4	NE	2	7/10	58	95	6	5	-	-	9+	9+	1500	1	1
7	Holyhead	1003·3	+22	NE	4	c/pr	60	85	6	5	6	1	1	2-3	1500	1	2
	Chester (Sealand)	1001·2	+18	ENE	4	bc	60	75	7	1	3	-	2-3	4-6	2500	1	*
8	L'pool (Bidston)	1001·7	+10	ENE	4	b	60	75	8	1	4	-	1	1	4000	*	*
9	Harrogate	1008·8	+10	E'N	4	c	58	85	8	6	-	-	9+	9+	2500	1	*
10	Spurn Head	1006·8	+6	NE	5	c	59	95	7	5	3	-	4-6	7-8	2500	0	3
	Catterick	1005·5	+16	NNE	4	o	58	95	8	5	-	-	10	10	800	1	*
	Tynemouth	1010·3	+14	ENE	3	bc	58	85	8	1	-	-	2-3	2-3	4000	0	2
11	Inchkeith	1013·3	+16	NE	2	bc	58	85	8	5	8	-	2-3	4-6	4000	1	1
	Louchars	1012·9	+6	NNW	2	bc	61	75	8	-	3	-	0	1	-	0	*
12	Renfrew (Abbotts I.)	1012·7	+14	WSW	1	bc	61	75	8	-	-	1	0	Tr	-	1	*
	Eskdalemuir	1012·3	+14	NNE	3	bc	58	75	7	7	-	-	7-8	7-8	1500	1	*
13A	Tiree	1015·2	+14	NW	2	b	56	95	6	5	4	-	Tr	Tr	1500	0	2
13B	Stornoway	»	+12	NNE	2	id.	54	95	6	5	2	-	7-8	10	800	1	1
15	Dalwhinnie	»	+14	NE	1	b	59	75	8	-	-	-	0	0	-	0	*
	Aberdeen	1013·6	+4	NWN	3	c	59	85	8	8	-	-	9	9	1500	0	1
	Wick	1014·8	+14	WNW	3	c-	52	95	1	5	-	-	10	10	<150	0	2
16	Lerwick	1014·0	+6	NNE	4	c	54	95	6	5	-	-	9+	9+	450	0	*
17	Blacksod Point	1014·2	+18	N	7	q	55	95	7	-	1	-	0	10	-	0	4
18	Malin Head	1013·6	+12	N'E	1	c	58	95	7	-	9	4	0	9	-	0	1
	Aldergrove	1011·9	+16	NNE	4	bc	59	75	9	-	4	5	0	4-6	-	1	*
	Donaghadee	1012·4	+18	E	3	bc	58	85	7	9	3	-	2-3	4-6	2500	0	2
19	Birr Castle	1009·8	+16	NNE	1	c	56	95	7	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy.†	1010·4	+14	NE'N	5	c	59	75	8	8	4	2	4-6	7-8	1500	1	3
	Roches Point	1007·7	+16	N	3	c	57	85	8	3	-	-	9	9	2500	1	3

PAST 24 HOURS.

Dist.	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)	66	56	53	3	-	0·5
	Croydon	65	55	53	11	Tr	1·8
	S. Farnborough	66	55	50	10	0·1	0·9
	Winchester	66	53	52	2	-	5·5
	Boscombe Down	64	52	52	1	-	0·9
	Calshot, (S'thmtn)	64	53	51	0·3	1	5·7
	Dungeness	*	*	*	0·5	-	*
	Lympne	65	53	*	0·5	-	3·8
2	Shoeburyness	64	50	43	0·3	-	0·7
	Felixstowe	65	57	55	Tr	0·6	2·0
	Gorleston	64	57	56	-	3	3·4
	Cranwell	69	56	56	-	6	4·1
3	Birmingham	62	56	55	4	7	0·4
	Upper Heyford	64	55	55	4	7	*
4	Ross-on-Wye	63	55	56	8	11	0·0
5	Portland Bill	59	54	*	-	-	*
	Plymouth	61	52	50	Tr	-	1·2
	The Lizard	62	50	*	-	-	*
	Scilly (St. Mary's)	62	53	*	-	2	4·5
	Guernsey	63	52	48	-	-	5·2
6	Pembroke	60	*	*	Tr	5	6·3
7	Holyhead	63	56	54	-	1	3·1
	Chester (Sealand)	67	56	55	0·3	6	0·1
8	L'pool (Bidston)	65	55	53	Tr	5	0·7
9	Harrogate	62	54	55	1	1	0·7
10	Spurn Head	63	45	*	-	0·1	0·3
	Catterick	62	56	55	3	1	0·5
	Tynemouth	59	57	54	1	-	*
11	Inchkeith	64	50	46	4	-	6·5
	Louchars	66	48	38	1	-	7·7
12	Renfrew (Abbotts I.)	72	49	43	3	-	7·1
	Eskdalemuir	68	53	50	1	-	2·0
13A	Tiree	62	54	47	1	-	2·3
13B	Stornoway	61	53	*	-	Tr	5·9
15	Dalwhinnie	70	40	32	-	-	6·8
	Aberdeen	68	58	46	-	-	7·3
	Wick	64	51	*	-	-	*
16	Lerwick	67	52	*	-	Tr	17·0
17	Blacksod Point	59	54	*	1	Tr	*
18	Malin Head	60	55	*	1	-	6·2
	Aldergrove	65	56	51	1	3	2·5
	Donaghadee	61	59	*	0·3	0·3	*
19	Birr Castle	61	55	51	2	0·1	0·0
20	Valentia Obsy.†	60	56	53	-	Tr	4·2
	Roches Point	60	56	*	3	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	ed	irc	c	66	56	53	3	—	0·5	*	*	8
Croydon	217	c	cRR	c	65	55	53	11	Tr	1·8	*	*	8
Greenwich (Royal Observatory)	149	cR	cRR	c	67	54	50	11	Tr	0·9	96	77	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·1	*	*	*
Westminster (St. James' Park)	27	*	*	*	65	57	56			0·6	89	68	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*						0·1			*
Camden Square	110	ccp	cor	*	64	57	55	5	-	*	*	72	*
Kensington	80	coln	c	*	69	56	53	7	0·1	0·1	At 18h. 68	47	*
Hampstead Observatory	450	omd	or	*	61	54	53	3	Tr	0·4	*	87	*

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	8-17h 24h	Nil	22h-24h to 1h 25th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	15h. 24h	0·1	23h 24m to 5h 25m

FOREIGN OBSERVATIONS.

18h. G.M.T. 24th. June — 7h. G.M.T. 25th. June

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.
Paris	1003·4	-	0	c	68	1006·6	-	0	c	59
Brussels	1001·9	WNW	2	bc	64					
Berlin	996·8	WSW	?	ir	57	1003·2	WNW	2	c	57
Zürich	1009·6	WSW	4	r/s	57	1009·1	WNW	3	c	59
Rome	1016·3	SW	4	bc	68	1015·1	SSW	1	bc	70

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	54	11	2
66		2	
57	54	?	1
66	54	/	1
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.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 3/6 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

MONDAY, 26th JUNE 1933.

No. 26 149

OBSERVATIONS at 13h. G.M.T. 25th June

District.	Stations. (For heights see p. 4.) (1)	Barom. at M.S.L. mb. (2)	Change in 3 hours. (3)	Wind. Direc. (4)	Wind. Force. 0-12 (5)	Weather. (6)	Temp. °F. (7)	% Humid. (8)	Visibility 0-9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0-10 (13)	Amount. Total 0-10 (14)	Height of Base. (feet) (15)
1	London (Kew)...	1007·4	+1·2	ESE	2	c	66	55	8	5	-	1	9+	9+	1500
	Croydon ...	1006·7	+1·0	SE'S	2	c	67	55	8	7	7	6	7-8	9	4000
	S. Farnborough	1006·7	+1·4	SE	3	c	66	65	8	8	-	6	4-6	9	4000
	Winchester ...	1006·4	+1·6	SW	3	c	63	75	8	7	-	8	4-6	7-8	2500
	Boscombe Down	1006·1	+1·4	ESE	2	pr	62	75	7	8	2	-	9	10	1500
	Calshot, S'thmtn	1006·6	+1·4	SSE	1	c	65	75	8	8	3	1	4-6	7-8	4000
	Dungeness ...	*	*	SE	2	c	*	*	7	8	6	*	2-3	9	1500
	Lympne ...	1007·9	+1·0	ESE	2	c	60	65	9	5	3	-	7-8	9+	5700
2	Shoeburyness	1008·1	+1·2	E'S	3	c	64	75	8	7	7	8	2-3	9+	4000
	Felixstowe ...	1008·3	+1·4	ENE	2	c/r	61	85	7	5	2	-	4-6	9+	2500
	Gorleston ...	1008·4	+0·8	NE	3	bc	62	85	6	2	6	-	4-6	4-6	2500
	Cranwell ...	1009·4	+1·4	NE	4	c	66	75	7	8	-	-	9	9	1500
3	Birmingham ...	1008·8	+1·6	ENE	3	c	59	85	6	9	-	-	9+	9+	800
	Upper Heyford	1007·8	+1·4	E	3	c	64	65	7	9	2	7	2-3	10	2500
4	Ross-on-Wye ...	1007·7	+2·0	NE'E	3	c	60	85	6	6	1	8	7-8	9+	2500
5	Portland Bill...	1006·7	+1·6	WSW	2	c	61	85	8	5	4	-	4-6	7-8	2500
	Plymouth ...	1006·1	+1·0	S	3	c/pr	57	85	8	8	7	-	7-8	9	2500
	The Lizard ...	1007·2	+1·0	-	0	bc	62	75	8	4	4	-	2-3	4-6	4000
	Scilly (St. Mary's)	1007·8	+1·6	N	2	bc	62	85	8	2	7	1	2-3	4-6	4000
	Guernsey ...	1006·6	+1·0	-	0	bc	61	75	9	8	3	-	4-6	4-6	2500
6	Pembroke ...	1007·3	+0·8	NE	3	3o	63	85	6	5	6	-	4-6	10	2500
7	Holyhead ...	1011·5	+1·6	N'E	4	b	62	85	7	7	-	-	1	1	5700
	Chester (Sealand)	1010·1	+1·4	NE'E	4	pr	67	65	7	8	-	-	7-8	7-8	2500
8	L'pool (Bidston)	1010·2	+1·2	ENE	5	bc	63	55	8	2	-	-	4-6	4-6	4000
9	Harrogate ...	1010·6	+0·6	E'N	4	c	68	55	9	9	-	-	7-8	7-8	4000
10	Spurn Head ...	1009·8	+0·8	ENE	4	bc	63	85	7	5	2	-	4-6	4-6	2500
	Catterick ...	1011·7	+1·0	NNE	4	bc	65	75	8	1	-	-	2-3	2-3	4000
	Tynemouth ...	1012·9	+0·8	NNE	4	bc	57	95	7	2	-	-	4-6	4-6	2500
11	Inchkeith ...	1013·8	+0·6	ENE	4	bc	63	75	8	5	-	-	2-3	2-3	4000
	Leuchars ...	1014·6	+1·0	ESE	4	c	61	85	7	5	-	-	7-8	7-8	1500
12	Renfrew (Abbotts l)	1012·5	-2	ENE	1	b	77	45	8	1	-	-	1	1	4000
	Eskdalemuir ...	1012·8	+0·6	NE	4	b	63	75	8	1	-	-	1	1	4000
13A	Tiree	1016·0	+2	N'W	4	b	59	85	8	1	-	-	Tr	Tr	4000
13B	Stornoway ...	-	+0·6	NE	3	c	57	95	6	8	2	-	7-8	10	1500
15	Dalwhinnie ...	1014·4	+1·4	NE	4	b	71	45	8	2	-	-	0	1	-
	Aberdeen ...	1014·9	+1·4	NNW	3	c	60	85	8	8	3	-	7-8	9	1500
	Wick	1016·4	+0·8	NW	4	c	60	85	8	5	1	-	4-6	7-8	1500
16	Lerwick ...	1013·8	-0·8	NNE	3	bc	62	75	8	4	-	-	2-3	2-3	1500
17	Blacksod Point	1016·6	+1·0	N	5	bc	59	85	8	3	-	-	4-6	4-6	800
18	Malin Head ...	1015·8	+1·2	N'W	3	c	59	95	7	4	7	-	2-3	9	450
	Aldergrove ...	1013·6	+0·6	NE	4	b	72	45	9	1	3	-	Tr	Tr	2500
	Donaghadee ...	1013·3	+0·6	E	3	bc	63	75	8	7	3	-	2-3	4-6	2500
19	Birr Castle ...	1011·8	+1·0	NNE	2	c	69	55	8	8	-	1	4-6	7-8	2500
20	Valentia Obsy.	1013·1	+1·0	N	5	pr	62	75	8	8	-	-	9	9	2500
	Roches Point...	1010·6	+1·6	N	3	c	64	75	8	3	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 25th June

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0-12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Visibility 0-9 (23)	Cloud. Form. Low. (24)	Form. Med. (25)	Form. High. (26)	Amount. Low. 0-10 (27)	Amount. Total 0-10 (28)	Height of Base (feet) (29)	State of Ground. 0-9 (30)	Sea. 0-9 (31)
1008·8	+1·0	NE	3	c	67	45	8	7	3	5	2-3	7-8	2500	0	*
1008·3	+0·8	E'N	3	c	65	65	8	8	9	9	2-3	7-8	4000	0	*
1008·5	+1·2	SE	2	c/pr	64	65	7	9	4	3	4-6	7-8	2500	1	*
1008·3	+1·2	ENE	3	c/pr	61	85	7	3	-	8	4-6	7-8	2500	1	*
1008·4	+1·4	NE	1-2	c	62	85	7	8	7	2	4-6	9+	2500	1	*
1008·4	+0·6	E'N	2	c	63	65	7	8	3	4	4-6	7-8	4000	0	1
*	*	ESE	2	bc	*	*	7	2	7	*	2-3	4-6	1500	*	1
1008·6	+0·6	NNE	3	c	61	65	9	-	9	1	0	7-8	-	0	*
1009·0	+0·6	ENE	2	c	62	75	8	2	9	8	2-3	7-8	4000	0	*
1008·8	+0·4	NNE	3	bc	60	85	7	2	2	1	1	4-6	2500	0	1
1009·1	0	N'E	3	c	60	85	6	5	-	-	10	10	1500	0	2
1010·8	+1·2	NE'N	3	bc	65	75	8	7	-	-	4-6	4-6	2500	1	*
1010·0	+0·6	ENE	3	bc	64	75	7	9	4	-	2-3	2-3	1500	1	*
1009·3	+1·0	NE	4	c	64	75	7	2	4	3	2-3	7-8	2500	1	*
1009·0	+1·0	ENE	3	c	64	75	8	2	4	9	4-6	7-8	4000	1	*
1008·8	+1·4	W	3	c	60	85	8	4	4	1	4-6	7-8	2500	0	2
1008·2	+1·0	-	0	c/r	57	95	7	8	7	-	7-8	9	1500	1	2
1008·0	+1·0	NNW	2	c/pr	64	75	8	8	6	-	4-6	7-8	2500	0	2
1009·0	+1·4	N'W	3	c	61	85	6	5	7	-	7-8	9+	1500	0	2
1008·1	+1·2	ENE	1	bc	60	75	9	8	-	-	4-6	4-6	2500	0	2
1009·9	+0·8	NE	2	c	64	75	6	9	9	-	7-8	9+	1500	1	1
1012·2	+0·6	N'E	3	b	62	85	7	2	-	-	Tr	Tr	1500	0	2
1010·6	0	NE'E	3	bc	70	55	8	1	-	-	4-6	4-6	4000	0	*
1011·2	+0·4	ENE	4	bc	70	55	8	1	-	-	2-3	2-3	4000	0	*
1012·2	+0·6	NE	3	b	61	85	7	2	-	-	Tr	Tr	4000	0	*
1010·5	+0·6	NE'N	5	c	61	85	6	5	5	-	4-6	7-8	2500	0	3
1012·7	+0·4	NE'N	3	b	61	75	7	-	-	-	0	0	-	0	*
1012·7	0	N	4	bc	56	85	7	2	-	-	4-6	4-6	2500	0	2
1014·5	+0·2	ENE	4	c	59	85	8	5	-	-	9+	9+	2500	0	3
1014·7	-0·2	E'E	3	b	60	85	7	5	-	-	1	1	1500	0	*
1013·3	+0·6	NE'E	3	b	71	75	7	2	-	-	1	1	4000	0	*
1013·0	+0·2	NE'N	4	b	64	65	8	1	8	-	Tr	Tr	4000	1	*
1015·5	-0·2	N'W	4	b	58	85	6	3	-	3	Tr	Tr	4000	0	3
*	+0·2	N	2	c	56	85	7	8	2	-	4-6	10	1500	1	1
1014·4	+0·2	NE	5	b	69	45	8	1	8	-	Tr	Tr	5700	0	*
1014·2	-0·2	NW'N	5	bc	61	75	8	8	-	-	2-3	2-3	2500	0	1
1016·1	-0·4	WNW	4	d. d.	55	95	8	5	2	-	7-8	10	1500	1	2
1013·3	0	NNW	4	c	55	95	7	5	-	-	9+	9+	1500	0	*
1017·7	+0·6	N	4	c	56	95	7	-	2	-	0	10	-	0	3
1016·5	+0·4	NW	2	c	58	95	6	5	-	-	7-8	7-8	450	0	1
1014·3	+0·8	NNW	4	b	66	75	8	1	3	-	Tr	Tr	4000	0	*
1013·1	-0·4	NNE	3	bc	63	75	8	7	3	-	2-3	2-3	2500	0	2
1012·9	+0·6	NNE	1	bc	73	45	8	-	4	-	0	2-3	-	0	*
1015·0	+1·2	N'W	4	bc	67	75	8	1	3	2	1	4-6	2500	1	2
1011·9	+1·0	NE	3	bc	70	85 (65)	8	3	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

Weather. 7h.–13h. 25th (32)	Weather. 13h.–18h. 25th (33)	Weather. 18h. 25th to 1h. 26th (34)	Weather. 1h.–7h. 26th (35)
cy	cybcy	ybc	bcc
bccy	cyc	bccom.	om. prbc
cbccp. c	cbcpre	bcprbc	ccbc
bcc	cbcpr	ctlrbc	bcc
orrbrRc	cprcprt	ctlRb	bbcc
cjpbc	bcw	bc	bbc
bc	bc	*	c
bccw	cpr.	bcc	c
bcc	c	c	cid.
cur.	cur. cbc	bcc	cod.m.
orcbc	bcc	oc	cor.cq
oc	cbc	c	cm.
orR	cpRt	bc	bcc
cur.c	cbc	pr.b	bod.
rrrdc	cbcy	cbbw	bccm.
c	c	bcb	bcc
bccpr.	cr. rrrm.	cbcm.	bcbwm.
bc	bcpr.	cpr. b	bbcw
bc	bcc	cbcw	bcb
cprbc	bc	bcbw	bbcc
m. ur.c	ctlr.c	cbcb	bbm.
bccb	b	b	bbcw
bcc	bcy	bcb	bwf
bbcy	p. bcy	bcbb	b
cbc	cb	bbc	c
ffc	bc	cr	r. cid
cm. bc	bcb	bcc	com. d.
bc	bc	bco	oc
bc	bcc	c	c
bbcc	cb	bbccw	cwc
by	byb	bbc	bccm.
b	b	bbw	cw
b	b	b	bbc
ccd. c	c	cid.	c
b	b	*	bc
cbcc	cbcbq	bcqc	cir.
Ffc	cd. dt	cid.	oid. c
cbc	bcc	cidm.	cid.
cby	cbcy	bcb	bco
cbccp.	cpr. bc	bcwb	bwb
cp. c	cbc	bcbw	bbccw

§ The observations entered in the 18h. section (cols. 15-30) refer to 17h. on 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.
"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.*

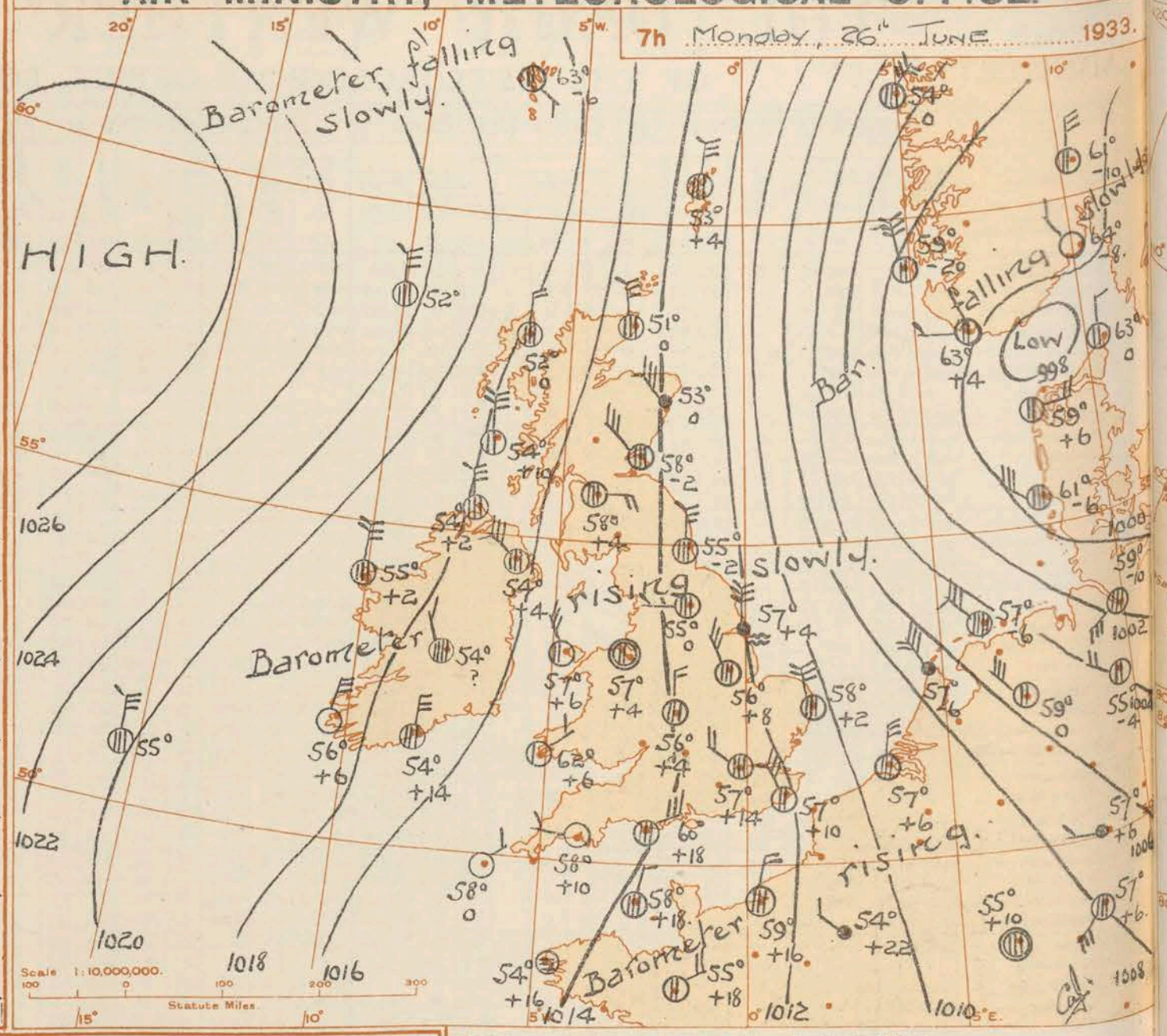
REPORTS from HEALTH RESORTS for 25th June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 24th to 9h. 25th	Temperature. Max. 9h.—17h. 25th	Rainfall. Night. 17h. 24th to 9h. 25th	Rainfall. Day. 9h.—17h. 25th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 24th
1	Tunbridge W.	bcc	cbc	51	69	-	-	6·3	3·9
	Bournemouth	abc	b	54	67	1	-	6·5	5·1
	Ventnor ...	rbcbc	b	55	69	2	-	8·3	7·7
	Southsea ...	cr,	cb	57	65	-	0·2	7·6	4·5
	Bognor Regis	cbcb	bbc	57	64	-	-	7·9	4·9
	Littlehampton	bc	bc	57	63	0·4	-	7·5	4·3
	Worthing ...	bcb	bbc	57	62	-	-	7·5	5·1
	Brighton ...	bcb	bbccp	56	64	-	Trace	7·4	5·3
	Eastbourne†	bcc	cbcc	54	64	-	-	9·4	5·4
	Hastings† ...	cbc	bbc	53	64	-	-	8·3	5·3
	Folkestone ...	bbc	pbc	50	66	-	Trace	9·7	4·1
	Dover... ...	bcc	cbc	54	66	-	-	9·3	4·7
	Deal	b	bbc	49	66	-	-	9·6	2·7
	Ramsgate ...	bc	bc	52	63	-	-	10·6	0·4
	Margate ...	bc	bc	51	65	-	-	8·9	1·5
2	Southend ...	bc	bc	54	67	-	-	5·2	1·2
	Maldon ...	c	cbc	52	66	-	-	1·7	0·2
	Clacton-on-Sea	bcc	cbc	56	68	-	-	2·1	1·8
	Dovercourt ...	bcc	bcc	56	68	-	-	3·2	3·7
	Lowestoft ...	oprc	c	56	64	8	0·1	1·4	3·7
	Skegness ...	bcm,	cm,	57	62	4	-	1·1	6·5
	Mablethorpe	com,	ocom,	57	60	4	-	1·2	2·8
	Cleethorpes ...	oc	co	56	64	Trace	-	4·2	0·3
3	Leamington S.	orprc	bc	58	68	5	2	2·0	0·0
4	Cheltenham†	oc	bcc	58	68	-	-	1·0	0·0
5	Bath	cur	curbc	55	68	4	6	1·4	4·5
	Weymouth ...	pc	cb	53	67	Trace	-	4·5	6·2
	Jersey ...	bcp	bc	54	66	7	Trace	5·5	8·2
	Torquay ...	co	pcbc	52	62	-	0·5	1·8	3·7
	Penzance ...	bcb	cbc	50	67	-	-	6·1	3·2
	St. Ives ...	b	c	51	62	-	-	6·4	4·8
	Bude	bc	cp	58	64	-	Trace	1·9	7·0
	Ilfracombe ...	cd	corc	52	63	0·1	2	0·5	11·8
6	Aberystwyth	cdcr	cprc	56	71	9	1	2·7	0·2
7	Llandudno ...	bc	bc	56	69	5	-	9·3	0·3
	Colwyn Bay...	rbc	bcbpb	55	67	5	0·5	8·8	0·4
	Rhyl	cbcc	cbc	55	72	5	-	6·5	0·2
8	Wallasey ...	bcbc	bbcb	56	73	6	-	9·6	1·0
	Southport‖ ...	bcc	b	58	74	-	-	11·3	1·1
	Blackpool ...	cbc	bcb	58	74	0·1	-	10·2	0·3
	Morecambe ...	b	b	58	72	-	-	11·3	2·6
9	Ilkley... ...	cbc	b	56	70	4	-	7·0	2·9
10	Berwick-on-T.	o	o	53	56	-	-	1·1	5·2
11	Dunbar ...	bc	bc	52	61	-	-	4·6	6·0
12	Troon... ...	bcb	bcb	57	75	-	-	12·5	3·5
	Douglas ...	bc	bcb	55	72	-	-	11·8	2·3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Monday, 26th June 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 2/10 to 5/10 clouded. Sky 6/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Haze.
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 June, 1933.
1. S.E. England 2. E. England...	Light or moderate northerly wind, fresh locally on coast; cloudy, slight occasional rain or drizzle locally; brighter later inland; moderate temperature.
3. E. Midlands 4. W. Midlands	Light or moderate northerly wind; cloudy, brighter later; moderate temperature.
5. S.W. England 6. South Wales	Light or moderate northerly wind; fair; moderate or rather high temperature.
7. North Wales 8. N.W. England	Light or moderate north or northwest wind; fair; moderate or rather high temperature.
9. N Midlands 10. N.E England 11. S.E. Scotland	As 1 - 2.
12. S.W. Scotland & Isle of Man 13. {A. W Scotld. B. N.W. Scotland} 14. Mid-Scotland	Light or moderate north or northwest wind; mainly fair; moderate or rather high temperature.
15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate north or northwest winds; cloudy, local drizzle; moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate northerly wind; mainly fair; moderate or rather high temperature.

GENERAL INFERENCE.

Pressure is high to westward of the British Isles and low over the Baltic.

Weather will be mainly fair but slight rain or drizzle will occur locally on and near the coasts in Eastern districts.

FURTHER OUTLOOK.

Probably mainly fair.

Forecasts issued at 1050 G.M.T.

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

H.M.Stationery Office Press Kingsway WC2.

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

Morning of MONDAY, 26TH JUNE, 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 26th JUNE 1933.

No. 26 149

OBSERVATIONS at 1 hr. G.M.T. 26th June

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	1011.6	+20	NE'N	3	0	58	95	6	5	-	-	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010.8	+4	N'E	4	bc	55	95	7	5	-	-	2-3	2-3	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1010.6	+4	NNW	4	c	57	95	7	5	-	-	10	10	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill..	32	1011.4	+10	W	2	b	57	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012.2	+22	N	1	b	55	95	8	1	-	1	1	1	4000
	Scilly (St. Mary's)	163	1012.6	+14	NE'E	3	bc	56	95	6	7	-	-	2-3	2-3	2500
	Guernsey ...	175	1011.6	+14	-	0	b	54	95	9	-	-	-	0	0	-
6	Pembroke ...	142	1012.8	+20	NE'N	1	b	58	85	7	1	-	-	1	1	5700
7	Holyhead ...	26	1012.2	+8	W'S	1	b	57	85	7	5	-	-	Tr.	Tr.	5700
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011.7	+2	N	5	r	57	95	7	3	2	-	7-8	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1014.3	+2	N	4	o	55	95	7	6	-	-	10	10	1500
11	Inchkeith ...	190	1015.0	+4	E	2	c	55	95	7	5	-	-	10	10	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	-	+4	NE	3	id.	52	95	6	5	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015.9	+2	NNW	4	id.	52	95	8	9	2	-	7-8	10	1500
16	Lerwick ...	54	1012.2	+2	N	4	id.	53	95	6	5	2	-	7-8	10	800
17	Blacksod Point	18	1013.3	+4	N	6	q	54	85	7	-	1	-	0	9	-
18	Malin Head ...	52	1017.5	+4	N'W	3	bc	56	95	6	5	3	-	2-3	2-3	450
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1017.4	+10	NE	2	b	55	95	8	-	-	-	0	0	-
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 26th June

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 (25)	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)
1013.8	+12	NW'N	2	c	57	75	7	5	-	-	10	10	2500	0	*
1013.3	+14	NW	2	c	57	85	6	5	-	-	9+	9+	2500	1	*
1013.8	+12	NW	2	bc	56	75	7	5	-	-	9	9	2500	1	*
1013.8	+10	NW	3	c	57	85	7	5	-	-	9	9	2500	1	*
1014.1	+16	NW	3	c	57	85	7	5	-	-	9+	9+	1500	1	*
1013.3	+14	NNW	3	c	59	85	7	5	-	-	10	10	450	0	1
*	*	NNW	3	c	*	*	7	8	6	*	7-8	9	800	*	2
1012.2	+10	NW	4	bc	57	65	8	7	-	1	2-3	4-6	2500	0	*
1012.4	+10	NW	3	id.	55	95	7	5	-	-	10	10	800	0	*
1011.7	+8	WNW	2	d. d.	55	95	6	6	-	-	10	10	800	0	1
1010.9	+2	NNW	5	c	58	85	6	8	-	-	9+	9+	2500	0	2
1010.0	+8	NNW	3	c	56	95	6	5	-	-	10	10	1500	1	*
1014.7	+4	N	2	c	56	85	6	5	-	-	9+	9+	2500	1	*
1014.4	+14	N	2	old.	55	85	7	5	-	-	10	10	4000	1	*
1014.4	+10	E	2	c	56	85	6	5	-	-	9+	9+	2500	1	*
1014.3	+18	ENE	3	c	60	85	8	5	7	-	7-8	9	1500	0	2
1014.4	+10	W	1	3o	58	85	5	8	-	-	0	0	-	1	1
1014.7	+12	NNW	1	bc	60	85	8	8	1	-	2-3	2-3	4000	0	1
1014.9	+10	NE	1	b	58	95	6	8	-	-	0	0	-	0	1
1013.8	+18	NNE	1	c	58	85	6	8	1	-	4-6	10	1500	0	1
1015.1	+6	NE	1	b	62	85	6	1	-	-	1	1	4000	0	1
1014.8	+6	NNW	3	c	57	95	7	5	8	-	Tr	7-8	800	0	1
1014.9	+4	-	0	3o	57	95	5	-	3	-	0	2-3	-	0	*
1014.9	0	SSE	2	b	58	85	6	1	3	-	Tr	1	4000	0	*
1014.2	0	W	1	c	55	85	7	5	2	-	9+	10	2500	0	*
1012.0	+4	N	6	id.	57	85	7	6	2	-	7-8	10	1500	0	5
1014.1	+2	N'W	3	d. d.	54	95	5	5	2	-	7-8	10	800	0	*
1013.2	-2	N	4	c	55	85	7	6	-	-	7-8	7-8	1500	1	3
1015.1	+2	N	3	c	56	75	8	8	7	-	7-8	9	4000	0	2
1015.1	-2	NW	3	c	58	65	9	5	-	8	7-8	7-8	4000	0	*
1014.8	+4	E	2	3o	58	85	6	5	-	-	10	10	4000	0	*
1014.5	0	NE	2	c	54	95	7	5	-	-	10	10	800	1	*
1017.7	+10	NW	5	bc	54	75	8	4	4	8	1	4-6	4000	0	3
	0	N	2	c	52	75	8	8	6	-	4-6	7-8	2500	1	0
1016.8	+2	NE	5	c	50	75	8	3	-	-	7-8	7-8	2500	0	*
1014.1	0	NW	4	id.	53	95	4	6	-	-	9+	9+	5700	1	1
1015.6	0	NNW	4	c	51	85	8	8	2	-	7-8	10	1500	0	3
1012.4	+4	N	4	c	53	85	7	5	7	1	4-6	7-8	1500	0	*
1019.9	+2	N	5	c	55	85	8	-	4	-	0	9	-	0	3
1018.0	+2	N	4	c	54	95	7	5	1	-	9	10	800	0	1
1016.7	+4	NW	4	c	54	85	8	5	-	-	10	10	800	0	*
1015.5	+2	NW	3	c	57	85	8	8	3	2	4-6	7-8	2500	0	2
1017.4	+4	NNW	1	o	54	95	7	5	-	-	10	10	2500	0	*
1018.7	+6	N'E	3	b	56	95	8	1	3	-	1	1	800	1	2
1016.6	+4	N	3	c	54	95	8	3	-	-	7-8	7-8	2500	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 26th Hrs. (36)
69	56	54	-	-	4.7
68	57	54	-	Tr	4.8
69	57	54	-	Tr	3.7
69	55	46	0.2	Tr	2.1
66	52	52	1	1	1.1
66	51	47	4	4	6.7
67	54	51	-	-	*
64	53	*	-	-	*
64	54	50	Tr	-	10.0
66	55	48	-	Tr	7.8
63	55	47	Tr	Tr	3.3
62	55	55	1	Tr	1.9
68	54	53	-	-	6.7
65	53	48	7	-	3.1
65	53	48	13	Tr	*
67	52	42	7	-	4.7
62	55	*	-	-	*
64	53	43	4	Tr	6.3
65	52	*	Tr	Tr	*
64	(56)	*	-	-	10.3
63	53	49	0.4	-	8.6
65		*	6	-	2.3
64	55	45	-	-	12.4
71	45	40	Tr	-	9.7
70	54	50	Tr	-	11.0
68	54	52	-	-	8.0
65	55	*	-	0.1	6.2
67	54	54	-	Tr	11.6
60	54	53	-	-	*
65	44	44	-	-	10.5
66	51	41	-	-	14.9
80	49	46	-	-	13.8
71	49	47	-	-	14.7
60	53	51	-	-	16.4
59	49	*	Tr	-	0.2
71	48	46	-	-	14.8
68	52	51	-	1	8.7
60	51	*	Tr	0.1	*
62	52	*	-	0.2	11.2
60	54	*	-	-	*
61	53	*	-	-	9.0
74	53	51	-	-	13.8
67	54	*	-	-	*
73	50	42	-	-	9.3
67	53	44	Tr	Tr	7.6
71	53	*	Tr	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.	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	cy	cybcy	ybcc	69	56	54	-	-	4.7	*	*	7
CROYDON	217	bccy	cyc	bccopc	68	57	54	-	Tr	4.8	*	*	6
GREENWICH (Royal Observatory) ...	149	cy	c	cbc	69	55	46	-	-	4.2	62	83	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	4.0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	68	56	54	-		4.2	33	76	*
‡REGENTS PK. (Botanic Gardens) ...	166	*	*	*	70	55	53	-		4.8	53	82	*
CAMDEN SQUARE	110	c	cbc	*	71	55	55	-	-		*	76	*
KENSINGTON	80	bc	cbc	*	69	56	53	-	-	4.5	At 18h.	78	*
HAMPSTEAD OBSERVATORY	450	bc	bcp	bcp	67	52	51	0.5	Tr	4.3	*	78	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 26th.

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0.3	10h 25th	Nil	19h 25th to 6h 26th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
40	1 Whole period		

FOREIGN OBSERVATIONS.

18h. G.M.T. 25th June

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1006.5	W	3	c	68
BRUSSELS	1007.0	NW	2	ir.	57
BERLIN	1004.1	NNE	1	c	64
ZÜRICH	1007.9	SSE	2	c/r	57
ROME	1010.5	S'E	4	b	72

7h. G.M.T. 26th June

Barom mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1010.9	WNW	1	id.	55
1009.4	NNW	3	c	57
1003.2	NW	1	bc	61
1009.4	NNW	1	c	54
1008.9	E'N	3	bc	70

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
68	54	21	Tr
61	50	16	2
66	46	-	-
61	50	4	4
79	61	-	-

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 9h. § The period referred to in Cols. 31, 32, 34 & 35 are 7h-17h & 17h-7h. in this report.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 27th June 1933.

No. 26.150

OBSERVATIONS at 13h. G.M.T. 26th June

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)...	1015.4	+4	NNW	1	c	65	65	7	7	–	–	9	9	4000
	Croydon ...	1014.8	+8	NW	3	c	63	75	7	5	–	–	9+	9+	2500
	S. Farnborough	1015.2	+8	NNW	1	c	66	65	7	5	–	–	9+	9+	2500
	Winchester ...	1015.2	+8	NNW	32	c	65	65	7	5	–	–	9	9	4000
	Boscombe Down	1014.9	+2	SSW	1	c	66	65	7	5	–	–	9	9	4000
	Calshot, S'thmtn	1015.3	+8	NW'N	2	c	66	65	8	5	–	–	7-8	7-8	4000
	Dungeness ...	*	*	NW'N	2	c	*	*	6	8	–	*	10	10	800
	Lympne ...	1014.4	+10	NNW	2	c	63	65	8	7	–	–	9+	9+	2500
2	Shoeburyness	1014.3	+10	NNW	3	c	63	75	8	5	–	–	10	10	800
	Felixstowe ...	1013.5	+6	NW	3	c	64	65	8	5	7	–	7-8	9+	1500
	Gorleston ...	1012.6	+10	NW'N	5	c	62	75	6	1	–	–	7-8	7-8	2500
	Cranwell ...	1014.6	0	NNW	3	c	60	85	7	5	2	–	9	10	1500
3	Birmingham ...	1014.2	-2	WSW	2	bc	67	55	6	8	–	9	1	2-3	2500
	Upper Heyford	1015.1	0	N	2	3o	64	65	6	7	–	–	7-8	7-8	2500
4	Ross-on-Wye ...	1014.2	-4	SW	3	3o	70	65	7	1	–	–	1	1	4000
5	Portland Bill...	1015.7	+10	NW	3	b	61	85	7	–	–	–	0	0	–
	Plymouth ...	1016.6	+10	S	3	3o	63	85	6	2	–	1	2-3	2-3	4000
	The Lizard ...	1016.4	+2	NNW	1	b	65	75	8	1	–	–	1	1	5700
	Scilly (St.Mary's)	1017.9	+8	NW	2	b	66	75	6	1	–	–	Tr	Tr	4000
	Guernsey ...	1016.6	+6	NNW	32	o	63	75	6	5	–	–	10	10	2500
6	Pembroke ...	1016.5	+8	NNE	2	bc	63	85	7	1	5	4	2-3	2-3	5700
7	Holyhead ...	1016.3	+6	NW'N	4	c	59	85	7	5	8	3	4-6	7-8	2500
	Chester (Sealand)	1015.2	+6	WNW	5	c	60	75	7	5	3	4	7-8	7-8	1500
8	L'pool (Bidston)	1015.3	+2	NW	4	c	59	85	8	5	–	–	9	9	4000
9	Harrogate ...	1014.9	0	NNW	3	c	57	75	7	6	2	–	9	10	2500
10	Spurn Head ...	1013.3	+2	N	6	c	59	85	7	3	7	–	4-6	7-8	4000
	Catterick ...	1014.9	+2	NNW	3	c	59	75	7	5	–	–	7-8	7-8	2500
	Tynemouth ...	1014.6	+6	N	5	c	56	75	7	2	–	–	7-8	7-8	2500
11	Inchkeith ...	1015.2	0	NNE	1	c	65	55	8	7	–	–	7-8	7-8	4000
	Leuchars ...	1015.8	+2	SSW	3	c	62	55	9	7	–	–	7-8	7-8	4000
12	Renfrew (Abbotts I)	1015.3	+2	NNE	1	c	67	45	9	1	–	6	4-6	7-8	4000
	Eskdalemuir ...	1015.1	+2	NE'N	3	c	59	65	8	8	–	–	9+	9+	2500
13A	Tiree	1018.7	+4	NW	5	c	57	65	9	–	7	6	0	9+	–
13B	Stornoway ...		+2	N	3	c	59	55	8	5	7	3	2-3	7-8	2500
15	Dalwhinnie ...	1016.6	+6	NE	3	bc	57	75	8	4	–	1	4-6	4-6	4000
	Aberdeen ...	1015.6	+6	NW'N	5	c	57	75	7	8	3	–	7-8	9	1500
	Wick	1016.1	+4	N	4	bc	57	95	8	5	6	–	4-6	4-6	2500
16	Lerwick ...	1013.2	-2	N	5	bc	59	45	9	5	–	9	2-3	2-3	2500
17	Blacksod Point	1021.5	+4	N	3	c	56	65	8	7	–	–	7-8	7-8	450
18	Malin Head ...	1019.2	+4	N	4	c	56	85	7	2	–	7	Tr	9+	2500
	Aldergrove ...	1017.1	-2	NNW	5	c	59	75	8	5	–	6	4-6	9	2500
	Donaghadee ...	1016.6	+6	NW	3	bc	60	65	8	8	3	–	4-6	4-6	2500
19	Birr Castle ...	1018.7	+2	N	1	c	62	75	8	5	–	–	9+	9+	2500
20	Valentia Obsy.	1019.7	+2	NW	4	b	63	75	8	7	3	1	Tr	1	2500
	Roches Point...	1017.8	+6	N	4	bc	63	75	9	3	–	9	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 26th June

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)
1013.4	-10	SSW	3	c	67	65	7	5	7	–	7-8	9	2500	0	*
1013.5	-8	SW	3	c	66	65	7	8	7	–	7-8	7-8	4000	1	*
1013.0	-14	NNE	4	TLR	58	85	7	3	7	–	9	9+	4000	1	*
1015.1	+2	N	42	TLR	58	85	5	5	–	–	10	10	1500	2	*
1013.3	-10	W'S	4	c	69	75	6	9	3	–	7-8	7-8	2500	1	*
1014.4	-4	SW	4	b	63	65	7	3	5	–	4-6	7-8	4000	0	1
*	*	SW	2	c	*	*	6	4	–	*	9	9	2500	*	2
1013.8	-6	SW'W	2	bc	65	65	6	5	3	–	4-6	4-6	4000	0	*
1013.6	-6	NNW	2	c	65	65	6	5	–	–	9	9	4000	0	*
1013.8	0	NNW	2	c/r	59	75	8	5	2	–	7-8	10	1500	0	0
1013.0	+2	NW'N	4	c	62	65	6	2	–	–	7-8	7-8	2500	0	3
(1014.1)	+2	SW	2	c	57	85	7	5	2	–	9	10	4000	1	*
1014.4	+8	NE	3	c	60	75	7	5	–	–	10	10	2500	1	*
1013.5	-4	W	2	c/tlr	60	75	8	8	7	–	2-3	9	4000	1	*
1013.7	0	W'N	3	bc	67	65	8	2	4	9	1	2-3	4000	0	*
1014.9	-6	W'S	4	bc	59	95	7	5	–	–	4-6	4-6	2500	0	3
1015.6	-4	SSW	1	bc	63	85	7	4	–	–	4-6	4-6	7200	1	1
1016.6	0	NNW	1	b	63	85	8	7	–	–	1	1	5700	0	1
1019.0	0	NW	3	c	63	85	6	8	–	–	7-8	7-8	4000	0	2
1016.4	-2	NW	2	b	62	75	7	–	–	–	0	0	–	0	1
1016.5	-2	NNE	1	c	59	75	7	5	–	–	10	10	4000	0	1
1016.5	+4	NW'N	3	c	58	85	7	5	–	2	4-6	9+	2500	0	2
1015.2	+2	NNW	3	c/d	59	95	6	5	–	–	9	9	800	0	*
1015.4	0	–	0	c	58	85	8	9	–	–	7-8	7-8	2500	0	*
1014.9	0	N	4	c	57	75	7	3	4	–	4-6	7-8	2500	0	*
1012.7	-2	N	7	c	58	85	8	5	2	–	7-8	9+	2500	0	5
1015.2	+8	NW	3	c	58	75	7	7	–	–	9	9	2500	0	*
1014.4	0	N	4	bc	55	85	7	2	–	–	4-6	4-6	2500	0	3
1015.7	-4	E	2	c	59	75	8	7	–	8	4-6	7-8	4000	0	2
1015.6	-2	N	3	c	64	35	9	1	3	6	Tr	7-8	4000	0	*
1015.3	0	N'E	3	bc	64	45	9	7	–	6	1	10	4000	0	*
1015.0	0	NNE	3	c	60	65	8	8	–	6	7-8	9+	4000	1	*
1018.7	-2	NNW	4	c	57	75	9	–	7	6	0	9+	–	0	3
·	+2	NNW	2	c	56	65	9	8	9	1	2-3	7-8	2500	1	1
1016.9	+2	NE	2	bc	59	45	8	4	2	–	Tr	4-6	5700	0	*
1015.5	+6	NNW	4	bc	59	35	9	–	–	6	0	4-6	–	0	2
1016.3	0	NW	4	bc	57	55	8	5	1	2	2-3	4-6	2500	0	3
1012.7	-4	NNW	5	bc	55	65	8	7	–	9	2-3	4-6	1500	0	*
1021.5	0	N	3	c	56	65	8	7	–	–	7-8	7-8	800	0	3
1019.2	0	N	4	c	56	75	7	4	9	2	2-3	9	2500	0	1
1017.5	+2	NNW	4	c	57	75	8	7	–	6	1	7-8	2500	0	*
1016.5	0	N	3	bc	59	75	8	8	3	2	4-6	4-6	2500	0	2
1018.2	-2	N	2	c	62	65	8	7	–	7	2-3	10	2500	0	*
1019.8	+2	NNW	5	c	60	75	8	2	7	6	1	7-8	1500	0	2
1017.8	+2	N	3	bc	64	75	9	5	–	–	4-6	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.–7h. 27th (40)
c	bcc	cbtlc	bcb
cm°id°c	cbcc	ctrbccm°	cwbccm°
bcc	ccTLR	tlrcc	cbw
c	cbcotlR	otlRcrbcm	bcbmbc
c	bcctlrh	ctp°	cbcbm°
cbcc	ct	ctlR	bwm°
bc	o	*	bc
cd°m°c	cbcjo	cPRq.pc	cbcm°
cid°c	cm°	cTLRc	cbcb
od°d°m°cjc	cd°circ	crcrc	c,b
cq	cq	cq.prcc	cbc
c	c	cb	b
cbc	bcct	c	cbc
ocbc	bcctlr°	cbcc	cb
cbcjbjc	bct°bc	bbcc	cbbcod°
bcb	bbc	bc	bccj°
bwbc	bm°bc	bcb	bbcj°
bcb	b	big	fc
b	bbcc	cofmc	bcc
ojbcb	ocbcb	bcc	bc
bj°bc	bcbbcc	cbc	bcw
bc	bcc	cbc	bc
m°bcc	c0d°m	cm°	bcm°
bbcc	ccid°	cbcc	cwbc
cid°	cb	cb	b
cdc°	bc	cbc	bc
oidmc	c	bcwb	bbcwy
cq	cbcq	bc	bc
c	c	c	c
cvy	bcvy ⊕	cyvbc	bxbcc
cm°bcv	bccvy	cvyc	cbcw
c	cyc	ccw	cw
bcc	c	c	c
cbcc	c	c	c
bc	bc	·	bc
cvjcq	bcbqy	bcycq	c
cbc	bc	bcc	c
cbcy	bc	bcc	c
cbc	c	c	ir°
c	c	c	bcc
e	c	c	cbcc
bc	bc	c	c
cbc	c	c	c
b	bbcc	cbcw	bcwc
cbcv	bcv	bcvc	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 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.

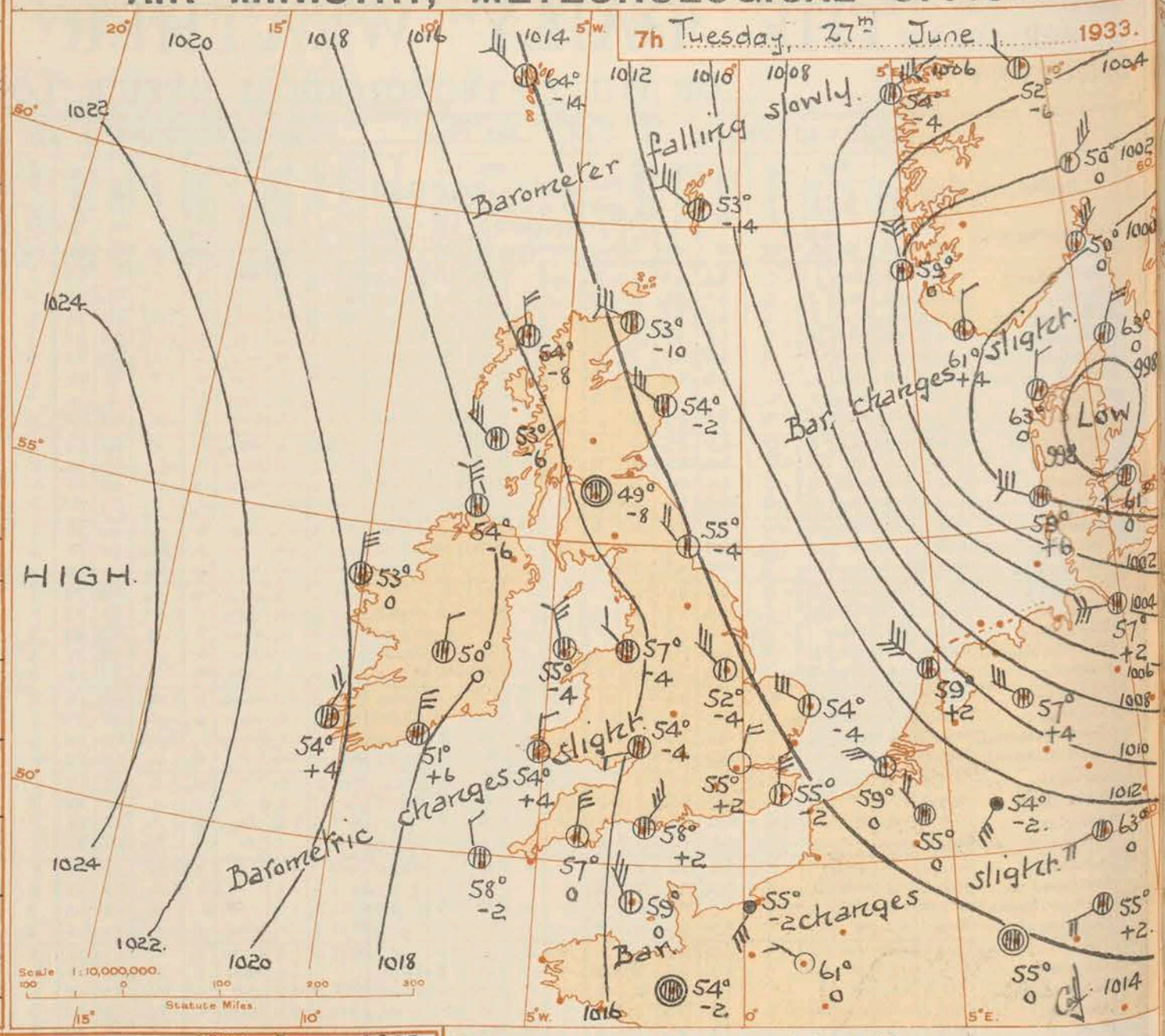
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

REPORTS from HEALTH RESORTS for 26th June 1933.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 25th to 9h. 26th	Temperature. Max. 9h.—17h. 26th	Rainfall. Night. 17h. 25th to 9h. 26th	Rainfall. Day. 9h.—17h. 26th	Sunshine. Sunrise to 17h. 26th	Sunshine. Sunrise to Sunset. 25th
1	Tunbridge W.	oc	cbc	52	68	Trace	-	2.6	7.5
	Bournemouth	cb	b	53	71	-	-	8.0	8.2
	Ventnor ...	bbcc	cbcbz	55	69	-	-	6.3	10.4
	Southsea ...	bcc	bcb	57	70	-	-	5.1	8.0
	Bognor Regis	bccbc	cbcb	55	65	-	-	4.9	8.2
	Littlehampton	bc	bc	55	67	-	-	4.0	7.5
	Worthing ...	c	cbcb	56	66	-	-	4.6	8.5
	Brighton ...	oc	cbc	56	67	2	-	3.9	8.4
	Eastbourne†	0	ocbc	54	65	-	-	2.7	11.4
	Hastings† ...	coc	cbc	56	65	-	-	2.1	8.3
	Folkestone ...	bcoid	cbc	56	66	-	Trace	2.8	10.1
	Dover... ...	oidoc	cbc	57	66	-	Trace	2.0	9.6
	Deal	co	cbc	57	67	-	-	2.5	9.8
	Ramsgate ...	obc	bc	56	66	0.3	-	3.3	11.3
	Margate ...	c	cbc	56	66	Trace	-	2.7	10.2
2	Southend ...	cbc	bcc	55	69	Trace	-	1.7	5.7
	Maldon ...	doc	co	55	66	Trace	-	1.2	3.1
	Clacton-on-Sea	crc	c	54	66	0.3	-	0.6	4.0
	Dovercourt ...	dbc	doc	52	65	Trace	Trace	0.7	1.4
	Lowestoft ...	coc	cbc	54	64	Trace	-	2.8	1.4
	Skegness ...	obc	bcom	55	62	-	-	1.9	1.1
	Mablethorpe	ocbc	bc	55	59	-	-	2.0	1.2
	Cleethorpes...	c	clc	56	61	-	-	1.6	4.2
3	Leamington S.	oc	co	54	70	-	-	2.8	3.3
4	Cheltenham†	ocbcc	ctirh	53	72	-	15	4.8	2.6
5	Bath	cbc	b	53	72	0.5	-	7.0	1.9
	Weymouth ...	bcb	b	53	69	-	-	8.8	6.0
	Jersey ...	b	bc	55	69	-	-	11.5	7.7
	Torquay ...	b3o	bcb	53	70	-	-	9.1	4.0
	Penzance ...	b	b	52	73	-	-	11.9	6.6
	St. Ives ...	b	b	54	65	Trace	-	11.7	6.7
	Bude	b	bbc	45	66	Trace	-	11.6	2.6
	Ilfracombe ...	b	b	52	67	-	-	12.3	2.6
6	Aberystwyth	cbcb	bbcbc	50	63	-	-	11.1	3.6
7	Llandudno ...	bbcc	coc	51	62	-	-	7.2	12.0
	Colwyn Bay...	bbcc	obco	52	65	-	-	6.0	11.9
	Rhyl	bbcc	c	48	64	-	-	6.4	9.3
8	Wallasey ...	b3b	bcobc	53	66	-	Trace	8.3	12.5
	Southport‖ ...	bc	bcobc	52	67	-	-	7.1	14.2
	Blackpool ...	bcc	cbc	51	66	-	-	7.6	13.2
	Morecambe ...	cbcc	bbcc	52	67	Trace	-	4.5	14.4
9	Ilkley... ...	c	c	55	62	-	-	0.7	9.7
10	Berwick-on-T.	c	cbc	54	59	-	-	2.7	1.2
11	Dunbar ...	bc	bc	54	60	-	-	3.5	5.2
12	Troon... ...	coc	cbcbc	51	66	-	-	5.5	13.9
	Douglas ...	bcqbc	cb	54	63	-	-	7.7	15.1

† 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. 27th June, 1933
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate north to northwest wind; fine or fair; normal or rather high 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 northwest or west wind; mainly fair; normal temperature.
13. A. W Scotld. B. N W Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate northwest or west wind; cloudy, occasional rain or drizzle later; moderate temperature.
17. N W Ireland 18. N.E. Ireland	Light or moderate northwesterly wind; cloudy, perhaps slight rain locally; moderate temperature.
19. S.E Ireland 20. S.W. Ireland	As 7 - 12. Light or moderate north or northwest wind; mainly fair; normal 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 3/10 clouded. ◑ Sky 3/10 to 6/10 clouded. ◑ Sky 7/10 to 9/10 clouded ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet ▲ Hail ≡ Fog. ≡ Mist. T Thunder. ⅋ Thunderstorm. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high to West and low to East of the British Isles. Weather will be fair in the South and Southwest, but occasional rain or drizzle is probable later in the North.

FURTHER OUTLOOK.

Fair in the South and Southwest; rather unsettled in the North and Northeast.

Forecasts issued at 1050 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.

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, 27th June 1933.

No. 26.150

OBSERVATIONS at 1 hr. G.M.T. 27th June

Dist.	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	1014·9	0	NE	2	3c	56	95	6	5	-	-	7·8	7·8	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·3	+6	N	1	c	56	95	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1013·7	0	NNW	3	c	55	85	7	8	-	-	9+	9+	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1015·1	-4	NNW	3	bc	57	85	7	4	-	-	2·3	2·3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1017·7	0	NNW	2	of	54	95	3	5	-	-	10	10	800
	Scilly(St.Mary's)	163	1018·2	-4	NNW	1	bc	57	95	7	3	-	-	4·6	4·6	4000
	Guernsey ...	175	1016·4	-2	-	0	bc	57	95	7	8	-	-	4·6	4·6	2500
6	Pembroke ...	142	1017·4	0	NW	1	bc	54	85	7	7	7	1	2·3	4·6	4000
7	Holyhead ...	26	1017·1	0	NW	3	c	55	85	7	5	-	-	7·8	7·8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013·8	+2	NNW	3	bc	51	85	7	-	2	-	0	2·3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1015·4	-6	W	3	bc	51	65	7	2	-	-	2·3	2·3	2500
11	Inchkeith ...	190	1016·5	0	W	2	c	54	75	8	4	-	6	4·6	7·8	4000
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(Abbotts I)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	·	-3	NW	2	c	52	85	8	8	7	-	7·8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014·6	-10	WNW	4	c	52	95	8	8	7	8	4·6	7·8	1500
16	Lerwick ...	54	1011·7	-4	NW	5	c	51	85	8	5	2	-	4·6	10	1500
17	Blacksod Point	18	1021·3	0	N	3	c	53	85	7	-	7	-	0	9	-
18	Malin Head ...	52	1019·2	0	N	4	bc	54	85	7	4	-	-	4·6	4·6	1500
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1020·6	+10	NE	2	bc	54	85	8	7	-	-	4·6	4·6	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 27th June

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)...	1015·6	+2	NNE	3	b	55	65	7	-	-	1	0	1	-	0	*
	Croyden ...	1015·2	+2	NNE	2	b	55	75	7	-	-	1	0	Tr	-	1	*
	S. Farnborough	1015·3	+2	NNE	2	b	56	75	7	2	-	1	Tr	1	4000	1	*
	Winchester ...	1015·1	+4	N	3	c	55	85	7	5	-	-	7·8	7·8	800	1	*
	Boscombe Down	1015·2	+4	N'E	2	bc	55	95	6	1	-	-	4·6	4·6	1500	1	*
	Calshot,(S'thmtn)	1015·1	+6	N	2	b	57	85	6	4	-	-	1	1	4000	0	1
	Dungeness ...	*	*	NNE	2	bc	*	*	7	7	1	*	2·3	4·6	2500	*	0
	Lympne ...	1014·5	-2	N	3	bc	55	85	6	5	-	-	2·3	2·3	1500	1	*
2	Shoeburyness	1015·0	0	NW	3	b	56	75	8	1	-	1	Tr	Tr	4000	0	*
	Felixstowe ...	1014·7	0	NW	2	b	55	75	8	1	-	4	1	1	1500	1	1
	Gorleston ...	1013·4	-4	WNW	3	bc	54	75	7	7	-	-	4·6	4·6	2500	0	1
	Cranwell ...	1014·4	-2	NW	3	bc	52	65	7	-	6	1	0	2·3	-	0	*
3	Birmingham ...	1015·9	0	NE	1	b	57	65	6	-	-	1	0	1	-	1	*
	Upper Heyford	1015·9	+2	N'E	1	b	57	65	7	-	-	1	0	1	-	1	*
4	Ross-on-Wye ...	1015·8	-4	W'S	1	c/d.	54	95	4	5	-	-	9+	9+	1500	1	*
5	Portland Bill...	1015·2	+2	NE	3	c	58	85	6	5	-	-	7·8	7·8	1500	1	2
	Plymouth ...	1016·2	0	N	3	3c	57	85	6	5	-	1	2·3	2·3	1500	1	1
	The Lizard ...	1016·8	0	NNW	1	c	57	95	7	8	-	-	10	10	2500	0	1
	Scilly(St.Mary's)	1017·7	-2	NW'N	1	c	58	95	6	5	-	-	9+	9+	4000	0	1
	Guernsey ...	1015·4	0	NNW	3	bc	59	85	6	2	-	-	4·6	4·6	1500	0	2
6	Pembroke ...	1016·5	+4	N	1	bc	54	85	7	5	7	-	2·3	4·6	5700	0	1
7	Holyhead ...	1016·6	-4	NW'N	4	bc	55	85	7	5	-	8	1	2·3	1500	0	2
	Chester (Sealand)	1016·2	-4	NW	1	bc	57	85	6	5	-	4	2·3	4·6	1500	0	*
8	L'pool (Bidston)	1016·2	-2	W'N	3	bc	54	95	8	7	-	-	4·6	4·6	4000	0	*
9	Harrogate ...	1015·0	-6	WSW	1	b	56	45	9	-	4	9	0	Tr	-	0	*
10	Spurn Head ...	1013·8	0	N'W	5	bc	54	75	8	-	1	8	0	4·6	-	0	3
	Catterick ...	1014·8	-6	NW'W	2	bc	56	45	8	4	3	9	1	2·3	4000	0	*
	Tynemouth ...	1014·2	-4	WNW	2	bc	55	65	6	2	-	-	2·3	2·3	2500	0	2
11	Inchkeith ...	1014·9	-2	W	2	c	53	75	8	5	4	2	2·3	7·8	4000	0	1
	Leuchars ...	1015·1	-8	NW	3	c	55	55	9	5	4	8	Tr	7·8	4000	0	*
12	Renfrew(Abbotts I)	1014·6	-8	W	3	c	55	65	8	-	9	3	0	7·8	-	0	*
	Eskdalemuir ...	1014·9	-8	-	0	c	49	75	8	-	9	6	0	7·8	-	1	*
13A	Tiree	1017·4	-6	NW	3	c	53	75	9	5	-	-	9+	9+	2500	0	2
13B	Stornoway ...		-8	NNW	2	c	54	75	8	8	7	-	7·8	9	1500	1	1
15	Dalwhinnie ...	1015·5	-8	NE	1	c	51	75	8	4	4	-	7·8	7·8	1500	0	*
	Aberdeen ...	1013·2	-2	NW	3	c	54	75	8	8	9	1	2·3	7·8	2500	0	1
	Wick	1013·9	-10	WNW	4	c	53	65	8	5	7	1	4·6	7·8	2500	0	2
16	Lerwick ...	1010·1	-14	NW	4	c	53	85	8	5	3	-	4·6	9	1500	0	*
17	Blacksod Point	1019·9	0	N	3	c	53	85	8	5	-	-	9	9	450	0	3
18	Malin Head ...	1018·2	-6	N'W	4	c	54	65	8	5	1	-	9	9+	2500	0	1
	Aldergrove ...	1017·6	-4	NW'N	3	c	54	85	8	5	3	-	9+	9+	1500	0	*
	Donaghadee ...	1017·9	-2	N'W	2	c	54	75	8	8	3	2	4·6	7·8	2500	0	1
19	Birr Castle ...	1019·4	0	N	1	c	50	95	7	4	-	5	7·8	9	2500	0	*
20	Valentia Obsy.†	1020·5	+4	NE'N	2	c	54	75	8	1	7	1	Tr	9	2500	0	2
	Roches Point...	1018·9	+6	N	3	c	51	85	8	3	-	9	4·6	7·8	2500	0	2

PAST 24 HOURS.

Dist.	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)...	70	54	46	-	1	3·1
	Croyden ...	69	53	48	Tr	1	3·1
	S. Farnborough	70	48	39	3	1	3·4
	Winchester ...	70	49	46	14	13	3·1
	Boscombe Down	70	47	46	5	Tr	5·9
	Calshot,(S'thmtn)	69	55	53	-	7	5·3
	Dungeness ...	65	52	*	-	-	*
	Lympne ...	65	51	49	Tr	1	3·0
2	Shoeburyness	68	52	49	Tr	11	2·4
	Felixstowe ...	65	51	50	Tr	1	0·9
	Gorleston ...	63	49	47	-	Tr	6·0
	Cranwell ...	63	47	46	-	-	0·6
3	Birmingham ...	70	53	44	-	-	3·8
	Upper Heyford	70	49	43	Tr	-	*
4	Ross-on-Wye ...	74	52	43	-	Tr	3·3
5	Portland Bill...	63	55	*	-	-	*
	Plymouth ...	64	53	50	-	-	12·5
	The Lizard ...	70	51	*	-	-	*
	Scilly(St.Mary's)	67	55	*	-	-	12·5
	Guernsey ...	65	56	53	-	-	7·7
6	Pembroke ...	65		*	-	-	10·7
7	Holyhead ...	60	53	50	-	-	8·6
	Chester (Sealand)	69	51	45	0·1	-	7·2
8	L'pool (Bidston)	66	53	51	Tr	-	8·0
9	Harrogate ...	62	43	38	Tr	-	2·6
10	Spurn Head ...	61	48	*	Tr	-	3·9
	Catterick ...	62	44	38	Tr	-	1·2
	Tynemouth ...	57	46	42	-	-	*
11	Inchkeith ...	67	51	40	-	-	5·8
	Leuchars ...	66	40	28	-	-	9·7
12	Renfrew(Abbotts I)	69	43	41	-	-	7·2
	Eskdalemuir ...	63	38	32	-	-	4·4
13A	Tiree	57	52	50	-	-	12·0
13B	Stornoway ...	60	50	*	-	-	12·5
15	Dalwhinnie ...	61	48	*	-	-	10·6
	Aberdeen ...	62	44	38	Tr	-	5·9
	Wick	58	48	*	-	-	*
16	Lerwick ...	60	49	*	-	-	11·7
17	Blacksod Point	58	52	*	-	Tr	*
18	Malin Head ...	57	52	*	-	-	7·1
	Aldergrove ...	61	47	40	-	-	8·4
	Donaghadee ...	61	50	*	-	-	*
19	Birr Castle ...	66	44	36	-	-	2·2
20	Valentia Obsy.†	64	52	46	-	Tr	12·8
	Roches Point...	66	50	*	-	-	*

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	bcc	ctlclcbcb	70	54	46	-	1	3·1	•	•	8
Croydon	217	cmidc	cbcc	ctrbccm	69	53	48	Tr	1	3·1	•	•	6
Greenwich (Royal Observatory) ...	149	c	c	ctlccby	71	53	44	-	Tr	1·6	62	81	7
City (Bunhill Row)	—	*	*	*	•	•	•	*	•	2·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	55	51	-		2·2	55	42	*
‡Regents Pk. (Botanic Gardens) ..	168	*	*	*	71	53	47	-		2·8	59	46	*
Camden Square	110	c	c	*	70	53	50	-	-	*	*	74	*
Kensington	80	co	cobc	*	70	54	46	-	Tr	2·9	At 18h.	81	*
Hampstead Observatory	450	bc	bcp	bc	68	51	48	Tr	-	2·2	62	86	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th

South Kensington.

Max.	Time.	Min.	Time.
0·3	10h 26th	Nil	11-18h 26th and 1-6h 27th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	5h 27th	<0·1	18h 26th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 26th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 27th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014·6	N	4	c	66	1015·4	WNW	1	b	61
Brussels	1012·4	NW	4	c	59	1013·0	NW	2	0	55
Berlin	1002·3	W	3	c	63	1005·2	WSW	4	c	59
Zürich	1012·6	WNW	1	ir	52	1015·2	WSW	2	c	55
Rome	1001·7	WSW	3	b	70					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
72	54	Tr	-
64	52	Tr	2
70	55	-	-
64	52	3	0·2
77		-	

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 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.

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.

† 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, 28th June 1933.

No. 26.151

OBSERVATIONS at 13h. G.M.T. 27th June

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)	°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)	1014.9	-6	N	2	bc	66	35	8	1	-	1	1	2-3	4000
	Croydon	1014.6	-2	WNW	3	b	65	45	7	1	-	1	Tr	Tr	4000
	S. Farnborough	1014.9	-2	WNW	3	b	68	35	8	1	-	1	Tr	Tr	4000
	Winchester	1014.9	-6	NW	2	c	67	55	8	2	-	-	7-8	7-8	2500
	Boscombe Down	1014.5	-6	NW	1	c	66	45	7	1	-	-	7-8	7-8	4000
	Calshot, S'thmtn	1015.0	-2	N'W	2	bc	68	45	8	7	-	-	2-3	2-3	4000
	Dungeness	*	*	ENE	2	bc	*	*	7	7	4	*	2-3	4-6	2500
	Lympne	1014.6	+2	NW	2	bc	63	45	9	1	-	1	2-3	2-3	4000
2	Shoeburyness	1014.6	-2	NW	2	bc	66	45	8	4	-	8	2-3	4-6	4000
	Felixstowe	1014.1	0	W'N	3	bc	66	35	9	1	-	1	2-3	2-3	4000
	Gorleston	1013.4	+4	NW'N	4	bc	63	45	7	-	4	-	0	4-6	-
	Cranwell	1013.6	-10	NW	3	c	66	45	6	7	-	9	7-8	7-8	4000
3	Birmingham	1014.4	-2	W	2	bc	67	45	8	8	4	-	2-3	4-6	4000
	Upper Heyford	1014.7	-8	W	2	c	67	55	7	2	3	-	2-3	7-8	2500
4	Ross-on-Wye	1014.6	-6	SW	2	c	66	55	7	8	6	-	7-8	7-8	4000
5	Portland Bill	1015.8	+2	ESE	3	bc	62	85	7	-	-	1	0	2-3	-
	Plymouth	1015.9	-2	W'N	3	c	65	55	8	1	-	4	4-6	7-8	4000
	The Lizard	1016.5	0	NW	2	bc	60+	75	8	4	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1017.8	+2	NNE	3	c	63	85	7	2	1	-	7-8	7-8	2500
	Guernsey	1016.1	0	N	1	3_o	61	85	5	8	-	-	9+	9+	2500
6	Pembroke	1016.5	0	NNE	3	bc	61	75	7	1	7	-	2-3	4-6	4000
7	Holyhead	1017.0	+2	NW'N	3	bc	59	75	8	1	-	2	2-3	4-6	2500
	Chester (Sealand)	1015.7	+2	WNW	5	bc	61	75	7	5	3	1	2-3	4-6	1500
8	L'pool (Bidston)	1015.9	+2	WNW	4	c	58	85	8	5	-	-	9+	9+	4000
9	Harrogate	1013.2	-6	W	3	c	66	65	8	8	-	-	7-8	7-8	4000
10	Spurn Head	1013.5	-2	NNE	5	bc	62	65	8	-	7	9	0	4-6	-
	Catterick	1012.7	-8	NNW	3	c	64	55	8	2	-	9	7-8	7-8	4000
	Tynemouth	1013.4	-4	N	3	bc	58	65	8	1	-	2	2-3	2-3	4000
11	Inchkeith	1014.0	-8	SSW	1	c	60	75	8	7	5	-	7-8	7-8	4000
	Leuchars	1013.8	-4	NW	2	c	64	45	8	5	4	1	7-8	9	4000
12	Renfrew (Abbotts I)	1013.8	-4	WNW	3	c	64	55	8	7	-	-	7-8	7-8	5700
	Eskdalemuir	1012.4	-6	W	1	bc	66	45	7	8	-	3	4-6	4-6	4000
13A	Tiree	1017.0	+2	NNW	3	bc	57	75	8	1	4	8	Tr	4-6	4000
13B	Stornoway	.	-8	NW	3	c	63	65	8	8	7	1	2-3	7-8	1500
15	Dalwhinnie	1014.8	0	N	3	c	59	65	8	4	2	-	4-6	10	2500
	Aberdeen	1012.2	-6	NW	4	c	63	55	8	5	7	-	7-8	10	2500
	Wick	1011.6	-14	WNW	4	c	57	75	8	5	7	-	7-8	9+	1500
16	Lerwick	1008.8	-8	NW	4	c/pr	55	75	8	5	3	-	4-6	9	1500
17	Blacksod Point	1019.8	0	N	3	c	57	75	8	5	-	-	10	10	220
18	Malin Head	1017.5	0	NW	3	c	56	75	7	8	1	-	9	9+	2500
	Aldergrove	1016.9	-6	NNW	4	c	58	75	9	7	-	-	9	9	2500
	Donaghadee	1016.1	-4	NNW	3	bc	58	75	8	8	3	-	2-3	2-3	2500
19	Birr Castle	1019.1	0	NNW	1	c	58	75	8	5	-	-	10	10	2500
20	Valentia Obsy.	1020.8	+2	NNW	4	bc	60	65	9	7	-	1	2-3	2-3	2500
	Roches Point	1018.3	0	N	2	bc	64	55	9	2	-	4	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 27th June

Distrct.	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)	°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)	1012.2	-14	W	2	bc	70	45	8	-	6	9	0	2-3	-	0	*
	Croydon	1012.5	-14	W'S	3	bc	68	45	8	1	3	9	Tr	2-3	4000	1	*
	S. Farnborough	1012.4	-14	W	2	bc	69	55	7	2	8	1	4-6	4-6	4000	1	*
	Winchester	1012.7	-14	SW	2	c	65	75	7	8	-	-	9	9	2500	1	*
	Boscombe Down	1012.7	-14	SW	2	c	65	65	7	3	-	9	7-8	7-8	2500	1	*
	Calshot, S'thmtn	1013.4	-10	SW	4	bc	64	65	7	8	-	-	2-3	2-3	4000	0	2
	Dungeness	*	*	SW	3	bc	*	*	7	5	4	*	2-3	4-6	1500	*	2
	Lympne	1013.3	-12	SW'S	3	bc	61	65	8	-	3	9	0	4-6	-	0	*
2	Shoeburyness	1012.4	-14	-	0	bc	67	55	8	4	5	-	4-6	4-6	5700	0	*
	Felixstowe	1012.3	-14	SE'E	3	c	60	75	8	5	7	-	7-8	8+	1500	0	2
	Gorleston	1011.7	-12	N'E	2	c	62	55	7	-	8	-	0	7-8	570°	0	2
	Cranwell	1011.9	-10	ESE	2	c	60	75	6	5	2	-	9	10	4000	0	*
3	Birmingham	1013.2	-6	NNW	3	bc	64	55	8	7	4	-	1	2-3	4000	1	*
	Upper Heyford	1012.4	-12	W	2	bc	67	65	8	2	3	-	1	4-6	4000	1	*
4	Ross-on-Wye	1012.9	-12	N	2	bc	66	65	8	1	-	-	2-3	2-3	4000	1	*
5	Portland Bill	1014.6	-4	SW	3	c	59	95	7	5	7	-	7-8	9	2500	0	2
	Plymouth	1014.8	-6	NW	4	bc	63	55	8	1	-	1	Tr	2-3	4000	0	1
	The Lizard	1015.9	-2	NW	2	bc	61	75	8	7	4	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1017.1	-8	N'W	4	bc	58	75	8	1	-	-	4-6	4-6	4000	0	2
	Guernsey	1015.3	-6	NNW	3	3_o	61	75	6	8	-	-	4-6	4-6	2500	0	2
6	Pembroke	1016.0	-10	NW	2	b	60	65	9	-	-	1	0	Tr	-	0	1
7	Holyhead	1015.4	-10	N	2	bc	57	85	8	4	4	6	1	4-6	2500	0	1
	Chester (Sealand)	1014.4	-10	WNW	5	bc	58	65	8	1	3	1	2-3	4-6	4000	0	*
8	L'pool (Bidston)	1014.4	-8	WNW	4	bc	58	75	8	1	4	-	2-3	2-3	4000	0	*
9	Harrogate	1012.3	-6	WSW	2	bc	61	55	7	-	3	9	0	2-3	-	0	*
10	Spurn Head	1011.9	-6	N'E	3	c	59	65	8	3	6	-	4-6	7-8	4000	0	2
	Catterick	1012.2	-6	-	0	c	59	65	7	8	3	-	9	9+	5700	0	*
	Tynemouth	1011.5	-14	-	0	c	62	55	6	6	-	-	7-8	7-8	1500	0	2
11	Inchkeith	1011.3	-16	SSW	3	c	65	65	8	7	-	-	7-8	7-8	4000	0	2
	Leuchars	1010.7	-20	WNW	3	c	68	45	9	5	4	1	4-6	7-8	4000	0	*
12	Renfrew (Abbotts I)	1012.2	-10	W	4	bc	66	65	8	7	-	-	4-6	4-6	4000	0	*
	Eskdalemuir	1011.6	-10	W'N	4	c	61	65	8	5	-	-	9+	9+	4000	1	*
13A	Tiree	1015.8	-6	NNW	3	c	58	85	7	5	4	6	Tr	9+	2500	0	2
13B	Stornoway	.	-6	NW	4	c	56	75	8	8	7	2	4-6	7-8	1500	1	1
15	Dalwhinnie	1011.1	-8	N	2	bc	63	55	8	4	-	1	1	2-3	4000	0	*
	Aberdeen	1009.7	-10	NW	5	c	62	55	8	7	3	9	4-6	7-8	2500	0	2
	Wick	1010.1	-4	NW	5	c	56	95	8	5	1	-	7-8	9+	1500	0	2
16	Lerwick	1008.6	0	NNE	3	bc	55	75	8	4	7	2	2-3	4-6	1500	0	*
17	Blacksod Point	1013.0	-6	N	3	c	55	75	8	5	-	-	10	10	450	0	3
18	Malin Head	1016.8	-4	NW'N	3	c	56	85	7	5	4	4	2-3	9	1500	0	2
	Aldergrove	1015.6	-6	NW	4	bc	58	65	9	7	4	1	1	2-3	2500	0	*
	Donaghadee	1014.8	-6	N	2	bc	58	75	8	8	3	2	2-3	4-6	2500	0	1
19	Birr Castle	1017.2	-14	NNW	2	c	60	65	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	1019.8	-8	N	4	c	56	75	8	7	-	-	9+	9+	4000	0	2
	Roches Point	1016.9	-6	N	3	bc	63	65	9	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

Distrct.	Stations. (For heights see p. 4.)	7h.–13h. 27th (37)	13h.–18h. 27th (38)	18h. 27th to 1h. 28th (39)	1h.–7h. 28th (40)
1	London (Kew)	b	by	bccr.	bc
	Croydon	$bz_o$by	byc	bccr.m_o	bcm.
	S. Farnborough	by	bybcy	bccr.c	bcw
	Winchester	cbcy	bcy	c	cbc
	Boscombe Down	bcm cbcy	bcybc	bcc	cb
	Calshot, S'thmtn	bm$_o$by	bybc	bc b	bwbcm.
	Dungeness	bc	bc	*	c
	Lympne	bcbyv	bcv	corm.	ocrm.
2	Shoeburyness	bbc	bc	bc	bccm.
	Felixstowe	bbcyv	bcyvbc	bcc	cc$_3$
	Gorleston	bcqy	bccy	cocr.c	coic
	Cranwell	bcy	c_3o	c	cm.
3	Birmingham	bcc	bccbc	bc	bcc
	Upper Heyford	bbc	cbcy	bcb	b
4	Ross-on-Wye	cbbcc	cbcc	bcbb	b
5	Portland Bill	cbc	bcc	cbc	b
	Plymouth	bcjoy	bcyb	b	bbcwm.
	The Lizard	cbc	bc	bcbw	bbcc
	Scilly (St. Mary's)	cbcc	cbc	bcc	c
	Guernsey	bcjom.	czbc	bw	bcb
6	Pembroke	bccbc	bcvb	bccbc	bcwc
7	Holyhead	bc	bcbbc	bccbw	bwbcq
	Chester (Sealand)	bc	bcv	bc	bcc
8	L'pool (Bidston)	bcc	bcbbc	bcv	c
9	Harrogate	bbcc	cbc	bcc	bbcc
10	Spurn Head	bc	bcc	clopr	proc
	Catterick	bcycy	cyc	c	c
	Tynemouth	bc	bcc	corr.	ocp.
11	Inchkeith	c	c	bcc	cv
	Leuchars	cvy	cvy	cvycv	cwcv
12	Renfrew (Abbotts I)	bcbbcy	cbcycbcy	bcb	bbc
	Eskdalemuir	bcy	cyc	b	c
13A	Tiree	cbc	bcc	cbc	c
13B	Stornoway	cbc	c	cid.	cid.
15	Dalwhinnie	c	bc	*	c
	Aberdeen	cy	cybc	bcycd.	cbc
	Wick	c	c	cid.c	c
16	Lerwick	cbc	bc	bc	bcc
17	Blacksod Point	c	c	c	c
18	Malin Head	c	c	c	c
	Aldergrove	cbc	bc	c	c
	Donaghadee	cbc	bc	bcc	c
19	Birr Castle	c$_r$c	c	c	c
20	Valentia Obsy.	bc	bcc	cpr.c	c
	Roches Point	cbcvy	bcv	bcvc	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. ⁱⁿᵉ 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.*

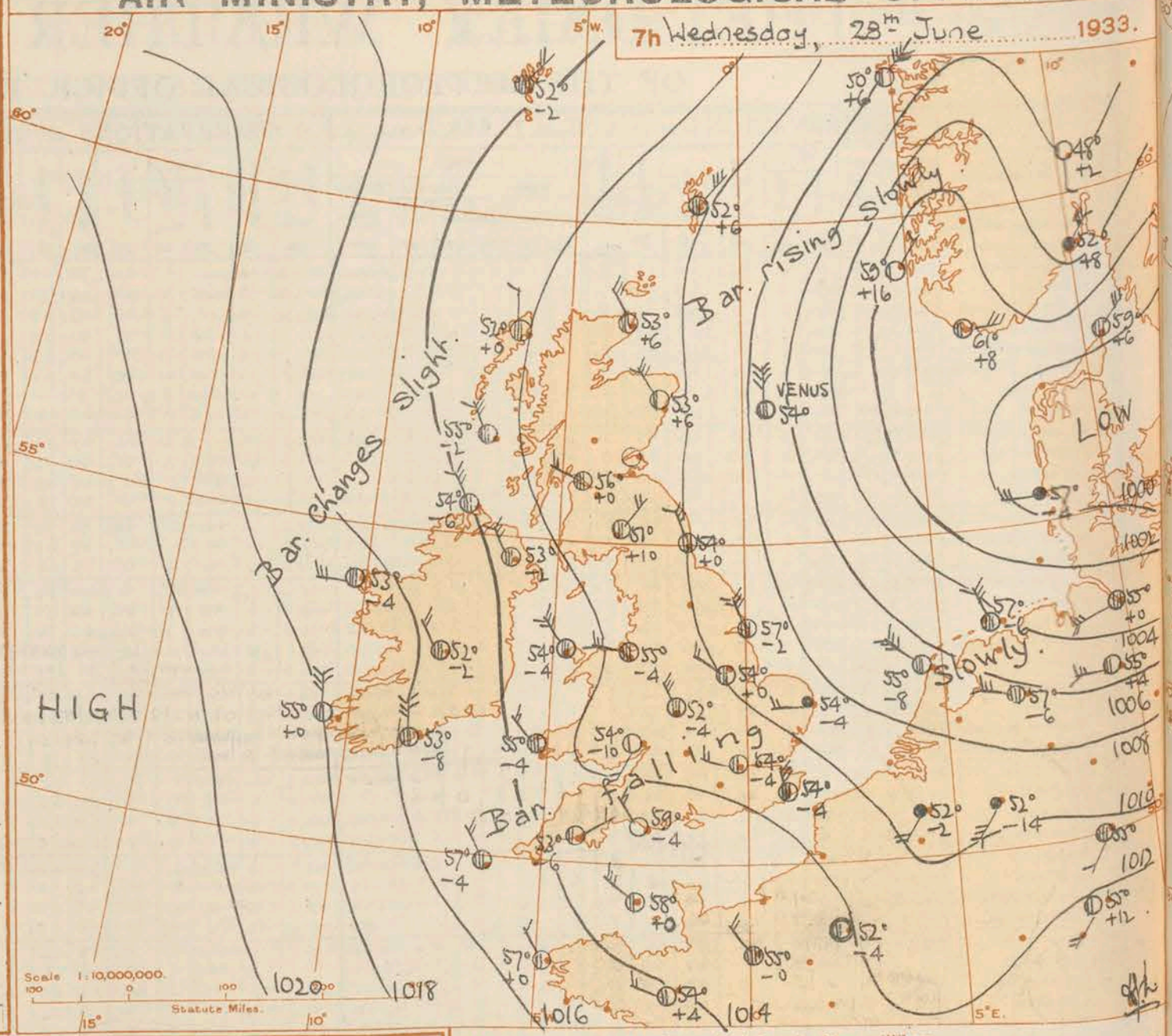
REPORTS from HEALTH RESORTS for 27th June 1933.

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	Sunshine. Sunrise to Sunset. 26th
1	Tunbridge W.	b	b	50	70	0·3	-	10·7	3·2
	Bournemouth	bbcb	b	52	70	-	-	9·4	9·9
	Ventnor ...	b3	b3	56	67	-	-	11·4	7·4
	Southsea ...	b	b	55	71	4	-	11·2	5·9
	Bognor Regis	b	b	55	66	6	-	10·4	5·9
	Littlehampton	bc	bc	55	68	5	-	10·7	5·1
	Worthing ...	b	b	54	68	5	-	10·1	5·7
	Brighton ...	bcb	b	55	70	3	-	10·4	5·1
	Eastbourne†	b	b	56	67	1	-	10·2	4·0
	Hastings† ...	bcb	bcb	54	67	1	-	10·5	3·6
	Folkestone ...	bcb	bbcb	53	67	1	-	9·0	2·8
	Dover... ...	bbc	bcb	54	67	5	-	10·4	2·3
	Deal	b	b	53	69	7	-	10·2	2·8
	Ramsgate ...	b	bbc	55	68	9	-	11·3	3·4
	Margate ...	b	bbc	55	67	7	-	11·4	3·0
2	Southend ...	b	bbc	53	71	10	-	11·4	1·7
	Maldon ...	b	b	53	70	2	-	12·3	1·2
	Clacton-on-Sea	cbc	bcy	51	68	6	-	12·3	0·6
	Dovercourt ...	bcc	bc	52	71	1	-	12·5	0·9
	Lowestoft ...	b	bbc	48	67	-	-	9·5	3·8
	Skegness ...	b	b	48	62	-	-	12·0	2·9
	Mablethorpe	b	bbc	44	62	-	-	11·4	2·2
	Cleethorpes...	b	b	46	66	-	-	11·1	1·2
3	Leamington S.	bbc	c	51	69	-	-	7·6	3·1
4	Cheltenham†	mbc	bcc	50	70	-	-	8·6	4·8
5	Bath	bbc	bcb	50	69	-	-	8·9	9·0
	Weymouth ...	b	bbc	54	68	-	-	10·2	9·8
	Jersey ...	bc	bc3	58	65	-	-	7·5	14·0
	Torquay ...	b3	bcy	55	67	-	-	9·3	11·7
	Penzance ...	ocbcb	bcb	54	68	?	-	7·5	13·0
	St. Ives ...	b	b	55	62	-	-	9·2	11·7
	Bude	bbc	bbc	49	62	-	-	10·3	13·1
	Ilfracombe ...	bcb	b	56	62	-	-	9·0	13·9
6	Aberystwyth	c	cbcb	50	60	-	-	5·2	11·4
7	Llandudno ...	bc	b	53	60	-	-	8·7	8·8
	Colwyn Bay...	bcc	cbc	51	62	-	-	9·0	6·8
	Rhyl	cbcc	cbbc	48	60	-	-	9·3	7·0
8	Wallasey ...	cbc	bcb	55	63	-	-	4·6	8·6
	Southport‖ ...	cbcb	bbc	50	64	-	-	6·8	8·4
	Blackpool ...	cbc	bcc	50	64	-	-	10·4	8·7
	Morecambe ...	b	b	47	64	-	-	12·1	5·0
9	Ilkley... ...	b	bbcc	42	71	-	-	9·4	0·7
10	Berwick-on-T.	bc	bccc	41	64	-	-	8·6	7·0
11	Dunbar ...	bc	bc	44	65	-	-	7·6	4·9
12	Troon... ...	cbc	bcc	50	61	-	-	9·0	6·9
	Douglas ...	cbbc	bccb	49	59	-	-	11·8	8·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday, 28th June 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate northwesterly wind; mainly fair, but chance of local thunderstorms this afternoon or evening; normal temperature.
7. North Wales 8. N.W. England 9. N Midlands	Moderate northwesterly wind; mainly fair; normal temperature.
10. N.E England 11. S.E. Scotland	Moderate north or northwest wind; cloudy, bright intervals, perhaps local showers; normal temperature.
12. S.W. Scotland & Isle of Man	Light or moderate north or northwest wind; mainly fair; normal temperature.
13. A. W Scotld. B. N W Scotland	Light or moderate northerly winds, backing; cloudy perhaps occasional rain later; moderate temperature.
14. Mid Scotland 15. N E. Scotland 16. Orkneys and Shetlands.	
17. N.W Ireland 18. N.E. Ireland 19. S.E. Ireland 20 S W. Ireland	Moderate northwest wind, backing; cloudy, bright intervals; 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. ∞ Haze.
SEA DISTURBANCE. ~ Rough. ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is high to west and southwest of the British Isles and low over the Baltic.

Weather will be mainly fair but there is a chance of local thunderstorms in the South this afternoon or evening and conditions may deteriorate later in Northern Scotland.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1045 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
28th JUNE
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, 28th June 1933.

No. 26.151

OBSERVATIONS at 1 hr. G.M.T. 28th June

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	1012·1	-2	W'N	2	bc/r	58	75	6	5	-	-	4-6	4-6	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1011·7	-10	W	3	cr	56	95	5	6	-	-	10	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1010·4	-4	-	0	c	56	75	7	5	-	-	7-8	7-8	2500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1012·9	-6	NW	3	b	57	85	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	(1015·8)	-2	NW'N	1	b	50	95	8	7	-	1	1	1	4000
	Scilly (St. Mary's)	163	1016·6	-4	NW'N	2	c	54	95	8	7	-	-	7-8	7-8	4000
	Guernsey	175	1014·8	-4	-	0	b	55	85	8	-	-	-	0	0	-
6	Pembroke	142	1013·8	-4	NW	2	bc	56	85	7	8	6	-	2-3	4-6	4000
7	Holyhead	26	1013·8	-12	SW'W	1	b	51	95	6	5	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1009·3	-6	WNW	5	c/pr	56	85	7	-	2	-	0	10	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1010·1	0	N	2	o/r	56	85	6	6	-	-	10	10	1500
11	Inchkeith	190	1010·9	+8	SW	1	c	57	85	8	5	-	-	9+	9+	4000
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34		-4	NNW	2	cir	52	95	5	9	2	-	7-8	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011·5	+4	WNW	4	c	50	95	8	8	1	8	4-6	7-8	1500
16	Lerwick	54	1010·2	+2	N'E	2	bc	50	85	8	5	3	2	2-3	4-6	1500
17	Blacksod Point	18	1018·0	-4	N	3	c	53	85	7	5	-	-	9	9	450
18	Malin Head	52	1015·3	-10	NW	4	c	53	75	7	4	1	-	7-8	9	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1019·4	0	WNW	3	c	53	95	8	7	-	-	7-8	7-8	5700
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 28th June

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)	1011·1	-6	NW	2	bc	58	65	7	1	-	2	1	4.6	2500	0	*
	Croydon	1011·5	-4	WNW	2	bc	54	85	7	5	3	9	1	4.6	1500	1	*
	S. Farnborough	1011·2	-6	WNW	2	bc	58	75	7	1	-	1	Tr	4.6	2500	1	*
	Winchester	1011·3	-6	WNW	3	c	55	85	7	-	-	4	0	7.8	-	1	*
	Boscombe Down	1011·6	-4	WNW	2	bc	55	85	7	-	-	1	0	2.3	-	1	*
	Calshot (S'thmtn)	1012·0	-6	WNW	2	bc	55	85	6	5	3	1	1	4.6	4000	0	1
	Dungeness	*	*	WNW	2	c	*	*	7	5	-	*	9	9	2500	*	1
	Lympne	1010·6	-4	NW'N	3	3o	54	75	5	-	7	-	0	7.8	-	1	*
2	Shoeburyness	1010·4	-2	WNW	2	c	56	85	6	-	7	-	0	7.8	-	0	*
	Felixstowe	1009·8	-8	W	2	3o	55	85	6	-	7	-	0	9	-	0	1
	Gorleston	1008·5	-4	W	2	3c	54	95	6	6	-	-	10	10	800	1	2
	Cranwell	1009·9	0	NW	2	c	54	95	6	5	2	-	9	10	2500	0	*
3	Birmingham	1011·4	-4	NW	3	c	52	85	6	5	3	-	4.6	9	2500	1	*
	Upper Heyford	1011·4	-6	WNW	4	c	53	85	8	5	3	2	4.6	9	1500	1	*
4	Ross-on-Wye	1011·6	-10	SW	2	b	54	85	8	1	4	1	Tr	1	4000	1	*
5	Portland Bill	1012·7	-4	NW	2	b	59	65	8	-	-	-	0	0	-	0	2
	Plymouth	1013·6	-6	ENE	1	3o	53	85	6	8	*3	4	2-3	4.6	2500	0	1
	The Lizard	1014·7	-2	NW'W	2	c	57	85	8	4	-	-	9+	9+	4000	0	1
	Scilly (St. Mary's)	1015·2	-4	NNW	2	c	57	85	7	4	-	-	9	9	4000	0	1
	Guernsey	1013·5	0	NW	3	bc	58	75	7	8	-	-	4.6	4.6	2500	0	2
6	Pembroke	1013·7	-4	NW	2	c	55	85	6	3	7	2	4.6	7.8	1500	0	1
7	Holyhead	1013·0	-4	NNW	5	c	54	85	7	5	-	1	9+	9+	1500	0	3
	Chester (Sealand)	1011·6	-4	WNW	4	c	55	75	8	5	3	1	9	9	2500	0	*
8	L'pool (Bidston)	1011·5	0	WNW	4	c	55	75	8	5	-	-	7.8	7.8	4000	0	*
9	Harrogate	1010·4	0	NNE	4	c	55	85	8	6	2	-	9	10	2500	0	*
10	Spurn Head	1008·6	-2	NNW	5	c	57	85	7	5	2	-	7.8	9+	2500	0	3
	Catterick	1010·4	+4	NW	3	c	53	85	7	5	-	-	10	10	4000	0	*
	Tynemouth	1009·9	0	NNW	4	c	54	85	8	9	-	-	7.8	7.8	1500	0	2
11	Inchkeith	1011·2	+6	NE	3	c	54	75	9	5	-	-	9+	9+	5700	0	2
	Leuchars	1011·7	+6	N	2	c	55	65	9	5	-	6	7.8	7.8	2500	0	*
12	Renfrew (Abbotts L)	1011·3	0	W'N	2	c	56	85	8	7	-	1	4.6	7.8	4000	0	*
	Eskdalemuir	1011·3	+10	NE	2	c	51	85	8	5	-	-	10	10	1500	1	*
13A	Tiree	1013·3	-2	NW'N	4	c	55	85	8	5	5	-	9	9+	2500	0	3
13B	Stornoway		0	N	1	c	52	75	8	8	6	-	4.6	10	1500	1	1
15	Dalwhinnie		+6	NE	1	c	48	75	8	4	2	-	9	10	1500	0	*
	Aberdeen	1011·1	+6	NW	4	bc	53	75	8	3	-	9	4.6	4.6	4000	0	2
	Wick	1011·6	+6	NNW	3	c	53	95	8	8	6	-	4.6	7.8	1500	0	2
16	Lerwick	1010·4	+6	NE	3	c	52	75	8	5	2	-	4.6	9+	1500	0	*
17	Blacksod Point	1017·1	-4	W	3	c	53	85	8	5	-	-	9	9	450	0	3
18	Malin Head	1014·0	-6	NW'N	4	c	54	85	7	5	2	-	7.8	10	1500	0	1
	Aldergrove	1013·6	-2	NW	4	c	53	85	8	5	-	-	9+	9+	1500	0	*
	Donaghadee	1012·9	+6	NNE	2	c	54	85	8	5	-	-	9	9	1500	0	1
19	Birr Castle	1016·0	-2	NNW	2	c	52	85	8	5	-	2	7.8	9	1500	0	*
20	Valentia Obsy.†	1017·9	0	N	5	c	55	85	8	5	-	-	9+	9+	1500	0	2
	Roches Point	1015·1	-8	N	5	c	53	85	8	3	-	-	7.8	7.8	2500	0	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 27th Hrs. (36)
1	London (Kew)	70	53	47	-	Tr	12.9
	Croydon	69	51	48	-	Tr	12.0
	S. Farnborough	71	47	38	-	Tr	12.0
	Winchester	69	47	42	-	-	11.4
	Boscombe Down	69	48	45	-	-	9.8?
	Calshot (S'thmtn)	69	52	48	-	-	12.1
	Dungeness	66	55	*	-	0.2	*
	Lympne	64	53	52	-	0.3	11.0
2	Shoeburyness	71	51	48	-	-	13.2
	Felixstowe	68	52	50	-	-	12.6
	Gorleston	64	53	52	-	0.1	10.3
	Cranwell	67	51	48	-	-	9.0
3	Birmingham	68	49	45	-	-	9.7
	Upper Heyford	69	47	41	-	-	*
4	Ross-on-Wye	70	46	40	-	-	8.0
5	Portland Bill	65	54	*	-	-	*
	Plymouth	67	48	43	-	-	13.9
	The Lizard	65	49	*	-	-	*
	Scilly (St. Mary's)	65	43	*	-	-	10.8
	Guernsey	64	52	47	-	-	8.2
6	Pembroke	62		*	-	-	14.2
7	Holyhead	61	51	42	-	-	12.7
	Chester (Sealand)	63	51	47	-	-	13.6
8	L'pool (Bidston)	59	52	50	-	-	6.9
9	Harrogate	67	54	50	-	-	7.6
10	Spurn Head	63	54	*	-	0.2	12.7
	Catterick	67	53	52	-	-	7.4
	Tynemouth	63	54	52	-	0.2	*
11	Inchkeith	67	53	44	-	-	7.4
	Leuchars	68	49	42	-	-	9.4
12	Renfrew (Abbotts L)	68	51	45	-	-	9.7
	Eskdalemuir	66	48	41	-	-	8.5
13A	Tiree	58	53	51	-	-	10.2
13B	Stornoway	66	50	*	-	Tr	9.3
15	Dalwhinnie	65	46	45	-	-	4.2
	Aberdeen	65	48	45	-	Tr	1.4
	Wick	61	48	*	-	Tr	*
16	Lerwick	57	50	*	Tr	-	4.4
17	Blacksod Point	58	51	*	-	-	*
18	Malin Head	58	52	*	-	-	1.6
	Aldergrove	61	50	46	-	-	4.9
	Donaghadee	60	51	*	-	-	*
19	Birr Castle	62	46	36	Tr	-	4.2
20	Valentia Obsy.†	60	52	48	-	Tr	6.6
	Roches Point	66	50	*	-	-	*

LONDON OBSERVATIONS.

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

	Heights 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	b	by	bccr,bc	70	53	47	-	Tr	12.9	*	*	7
Croydon	217	b3,by	byc	bccir,bcr	69	51	48	-	Tr	12.0	*	*	7
Greenwich (Royal Observatory)	149	by	bcy	cdbc	72	52	43	-	Tr	11.8	34	64	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	12.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	71	52	49	-		12.3	27	61	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	73	51	48	-	-	12.4	33	61	*
Camden Square	110	b	bc	*	72	52	49	-	-	*	*	65	*
Kensington	80	b3	bbc	*	71	52	45	-	-	12.4	At 18h.	64	*
Hampstead Observatory	450	bc	b	bc	69	48	47	-	-	13.0	47	67	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th

South Kensington. Max.	Time.	Min.	Time.
<0·3	8 and 20h 27th	Nil	Rest of period

Kew Observatory. Max.	Time.	Min.	Time.
0·1	8h 28th	<0·1	10-15h 27th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 27th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 28th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·5	NNW	4	bc	66	1012·7	-	0	bc	52
Brussels	1012·2	NW	4	b	59	1009·8	SW	2	r.r.	52
Berlin	1004·1	SW	5	c	64	1003·9	W	5	0	55
Zürich	1011·8	WNW	4	bc	66					
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
73	45	-	-
64	48	-	0·4
66	54	1	-
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.

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.

†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

Thursday, 29th June 1933.

No. 26.152

OBSERVATIONS at 13h. G.M.T. 28th June

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)	1009.6	-6	NW	3	c	64	65	8	1	3	-	7-8	9+	4000
	Croydon	1010.2	-6	W'S	2	c	65	65	7	2	3	-	7-8	9+	4000
	S. Farnborough	1010.2	-4	NNW	2	c	66	55	7	8	3	-	9	9+	4000
	Winchester	1009.9	-10	NW	3	c	66	55	7	1	3	1	7-8	7-8	2500
	Boscombe Down	1010.2	-8	NW	2	c	65	55	7	7	-	-	9	9	4000
	Calshot, S'thmtn	1010.6	-6	SW'S	4	c	67	55	8	8	-	-	7-8	7-8	2500
	Dungeness	*	*	SW	3	c	*	*	7	5	4	*	4-6	7-8	1500
	Lympne	1009.6	-6	NNW	2	pr$_o$	64	65	6	4	3	4	9	9+	4000
2	Shoeburyness	1009.8	-2	NW	3	c	62	75	6	5	2	-	7-8	10	2500
	Felixstowe	1009.6	+4	NW'N	1	c/r	61	65	7	6	7	-	7-8	10	1500
	Gorleston	1008.9	+2	NW'N	4	c	59	75	7	9	-	-	9+	9+	1500
	Cranwell	1010.5	+2	NW	2	c	60	75	7	8	-	-	10	10	2500
3	Birmingham	1011.0	-4	NW	3	c	61	65	6	8	-	-	7-8	7-8	2500
	Upper Heyford	1010.8	-6	NW	4	c	63	55	7	7	-	-	7-8	7-8	2500
4	Ross-on-Wye	1010.4	-4	NW'N	3	c	66	55	8	7	-	-	9	9	4000
5	Portland Bill	1010.9	-10	WNW	3	bc	65	85	8	4	-	-	2-3	2-3	2500
	Plymouth	1013.0	-2	WNW	4	c	62	55	8	7	-	-	9+	9+	4000
	The Lizard	1014.5	0	NW'N	2	bc	63	75	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1015.2	0	NW'N	4	bc	63	65	8	7	8	-	2-3	4-6	4000
	Guernsey	1013.1	-4	WNW	4	bc	63	65	8	8	-	-	4-6	4-6	4000
6	Pembroke	1013.3	-2	NW	2	bc	60	95	7	5	5+	2+	4-6	4-6	2500
7	Holyhead	1013.4	+2	NNW	4	c	57	85	8	5	-	-	9+	9+	1500
	Chester (Sealand)	1011.7	0	NW'N	4	c	59	75	8	5	1	-	9+	9+	1500
8	L'pool (Bidston)	1011.8	0	NW'N	3	c	58	75	8	8	1	-	7-8	10	2500
9	Harrogate	1011.0	0	NW	3	c	60	65	7	8	-	1	7-8	9	4000
10	Spurn Head	1009.4	+2	N	6	c	59	75	7	-	2	-	0	9+	-
	Catterick	1010.9	0	NNW	3	c	62	55	7	7	-	1	4-6	7-8	2500
	Tynemouth	1011.0	+6	N	4	bc	56	75	8	2	4	-	4-6	4-6	2500
11	Inchkeith	1012.2	+2	E	1	bc	61	65	8	7	-	-	4-6	4-6	4000
	Leuchars	1012.2	+2	ESE	3	bc	63	55	9	1	-	1	4-6	4-6	4000
12	Renfrew (Abbotts L)	1011.1	-2	-	0	c	68	55	8	7	-	-	7-8	7-8	4000
	Eskdalemuir	1011.3	-2	NNE	2	c	62	55	8	7	-	-	7-8	7-8	4000
13A	Tiree	1014.0	+2	NNW	4	bc	57	75	9	5	3	-	2-3	4-6	4000
13B	Stornoway	-	-2	ENE	2	c	58	65	9	8	6	-	7-8	9	1500
15	Dalwhinnie	1012.5	0	NE	4	bc	59	55	8	4	-	-	4-6	4-6	4000
	Aberdeen	1011.9	+6	NNW	4	bc	59	55	8	2	-	-	4-6	4-6	4000
	Wick	1012.5	+4	NNE	4	c	56	75	8	8	7	1	4-6	7-8	1500
16	Lerwick	1011.4	0	NE	4	bc	55	65	9	4	3	1	2-3	4-6	2500
17	Blacksod Point	1017.4	+2	NW	3	bc	57	65	8	2	5	4	2-3	4-6	800
18	Malin Head	1014.5	+4	NNW	4	c	55	95	6	8	2	-	9	10	800
	Aldergrove	1013.8	0	NW	4	c	56	75	8	8	-	-	9+	9+	1500
	Donaghadee	1013.0	+2	N	2	bc	59	75	8	8	-	-	4-6	4-6	2500
19	Birr Castle	1014.7	-6	NW	2	c	63	55	8	7	-	-	7-8	7-8	2500
20	Valentia Obsy.	1017.9	-2	NNW	4	c	57	75	8	5	-	-	9+	9+	1500
	Roches Point	1014.5	-6	N	3	bc	63	75	9	8	-	9	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 28th June

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)
1010.4	0	NNE	3	c	61	65	7	5	-	-	9	9	4000	0	*
1010.1	+2	ENE	3	c	60	75	6	7	3	-	9	9+	1500	0	*
1010.0	0	NNW	1	c	63	55	7	5	-	-	10	10	4000	1	*
1010.1	+2	N	2	c	61	75	7	5	-	-	9+	9+	2500	1	*
1010.2	+2	N'E	3	c	61	75	7	5	1	-	9	9+	2500	1	*
1010.0	+2	NW'W	3	c	64	75	7	8	-	-	10	10	4000	0	1
*	*	E	2	c$_o$	*	*	5	9	-	*	10	10	450	*	2
1010.3	+6	NNE	3	pr$_o$	56	85	7	8	2	-	9	9	2500	1	*
1010.3	+6	NNW	2	c	58	85	7	5	2	-	7-8	9+	4000	0	*
1009.8	0	NW	2	c	58	65	8	5	2	-	7-8	10	2500	0	1
1009.2	+2	NNW	5	c	58	65	7	-	3	-	0	9	-	0	3
1010.8	+2	N'E	3	c	63	65	8	7	-	8	4-6	7-8	4000	0	*
1011.3	0	WNW	2	c	58	75	6	5	3	-	9+	9+	4000	1	*
1010.2	+4	NNE	3	c	58	75	6	5	7	-	4-6	9+	2500	1	*
1011.3	+4	N	2	c	59	75	7	5	-	-	10	10	4000	0	*
1010.1	-8	WNW	4	bc	61	85	8	5	-	-	4-6	4-6	2500	0	3
1012.5	-2	NW	4	c	61	55	8	4	-	5	7-8	7-8	4000	0	2
1013.8	-2	NW	3	c	59	75	8	2	5	2	2-3	7-8	2500	0	1
1014.7	0	NW'N	3	bc	60	75	8	1	9	1	1	4-6	4000	0	2
1013.3	0	WNW	4	bc	61	75	7	7	3	-	4-6	4-6	4000	0	3
1012.7	-2	NW	2	c	58	75	7	5	2	-	4-6	9+	2500	0	1
1013.4	0	NW'W	4	b	58	85	8	5	-	1	1	1	2500	0	2
1012.0	+4	WNW	4	c	59	85	7	5	3	-	4-6	7-8	1500	0	*
1012.5	+2	NW'W	3	bc	60	75	8	7	-	-	4-6	4-6	2500	0	*
1011.5	0	NE	3	b	59	55	8	-	3	4	0	1	-	0	2
1009.9	+2	N	6	c	58	75	7	5	3	-	4-6	7-8	4000	0	4
1011.7	+4	NNE	3	b	59	55	8	4	-	2	Tr	1	4000	0	*
1011.7	+2	NNW	4	bc	56	75	8	1	-	1	2-3	2-3	4000	0	2
1012.3	-4	ENE	2	b	60	65	8	-	4	-	0	1	-	0	2
1012.9	+4	ESE	3	b	58	65	9	1	-	-	Tr	Tr	4000	0	*
1010.8	0	WNW	2	bc	69	55	8	1	-	-	4-6	4-6	4000	0	*
1011.1	0	NNE	1	bc	62	55	8	7	-	-	2-3	2-3	4000	1	*
1014.1	+4	NW'N	4	b	56	75	9	5	4	-	Tr	Tr	4000	0	3
·	+4	ENE	3	bc	55	75	9	8	7	-	4-6	4-6	2500	1	1
1012.4	0	NE	2	b	61	45	8	-	4	-	0	Tr	-	0	*
1012.5	+4	NNW	4	bc	56	55	8	7	-	-	4-6	4-6	4000	0	1
1013.1	+2	NNE	4	c	55	75	8	8	6	-	4-6	7-8	2500	0	3
1012.0	+6	NNE	4	bc	53	65	8	4	3	-	2-3	4-6	1500	fp	*
1017.2	0	N	3	c	57	75	8	5	-	-	10	10	450	0	2
1014.8	+6	NW	4	d	55	85	8	8	2	-	9	9+	1500	0	1
1013.8	+2	NNW	4	c/d	55	85	9	5	-	-	9+	9+	1500	0	*
1012.9	+2	N	2	bc	59	75	8	8	3	-	4-6	4-6	2500	0	1
1014.5	+2	N	2	bc	63	65	8	1	-	-	4-6	4-6	2500	0	*
1017.6	-2	NNW	4	c	57	75	8	5	-	-	7-8	7-8	1500	0	2
1014.0	-4	N	3	bc	65	65	9	8	-	9	2-3	4-6	2500	0	2

PAST 24 HOURS.

Weather. 7h.–13h. 28th (37)	13h.–18h. 28th (38)	18h. 28th–1h. 29th (39)	1h.–7h. 29th (40)
bcc	c	c	bwc
bcc	c	c, b3$_o$	b-cm$_o$w
bcyc	eyc	cir$_o$bc	bcbwbc
bcc	eyc	cr$_o$c	cb
bbccy	eyc	cbc	bcbm$_o$
bcm$_o$	bccy	cir$_o$c	cbcbm$_o$
bc	pr	*	
c3$_o$pr$_o$	c3$_o$pr$_o$	cbw	bwcm$_o$bc
cir$_o$m$_o$	cir$_o$m$_o$	c	b
c3$_o$rcg	cir$_o$	cbc	bccr$_o$c
6cir$_o$q	cbcq	cqc	c
cpr$_o$c	c	cb	bbcm$_o$
cbc	bcc	cbc	bcc
c3oy	cy3$_o$	c3$_o$	cm$_o$
bbcy	cyc	c	cbwb
bbv	bc	bccc	oc3$_o$
bcm$_o$cy	cbccy	cyb	b
cbc	bcc	c	c
cbc	bccbc	bcbcc	cbc
bc	bc	bcc	bcc
c	cbcc	c	c
c	cbc	b	bbcc
c	c	bc	bcc
c	cbbc	bc	bcc
bcc	cb	b	bbcc
cbcvy	bcybv	bvc	cbcw
bccy	cbcy	bcyw	bcbw
ccy	bcy	bc	bc
cir$_o$	bcb	bcb-c	c
c	cbc	bcc	c
bc	b	*	bc
bcy	bcy	bcc	cbbc
c	c	bc	bcc
cbc	bc	bcc	c
cbc	cbc	ccm	ir$_o$
cid$_o$	cpd$_o$	c	cid$_o$
cd$_o$m$_o$c	cvid$_o$	c	c
cbc	bc	bcb	b
c	cbc	bc	bcddd
c	c	cbcbw	bwbc
cbcv	bcv	bcvb	bbcc

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.
ip, 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.*

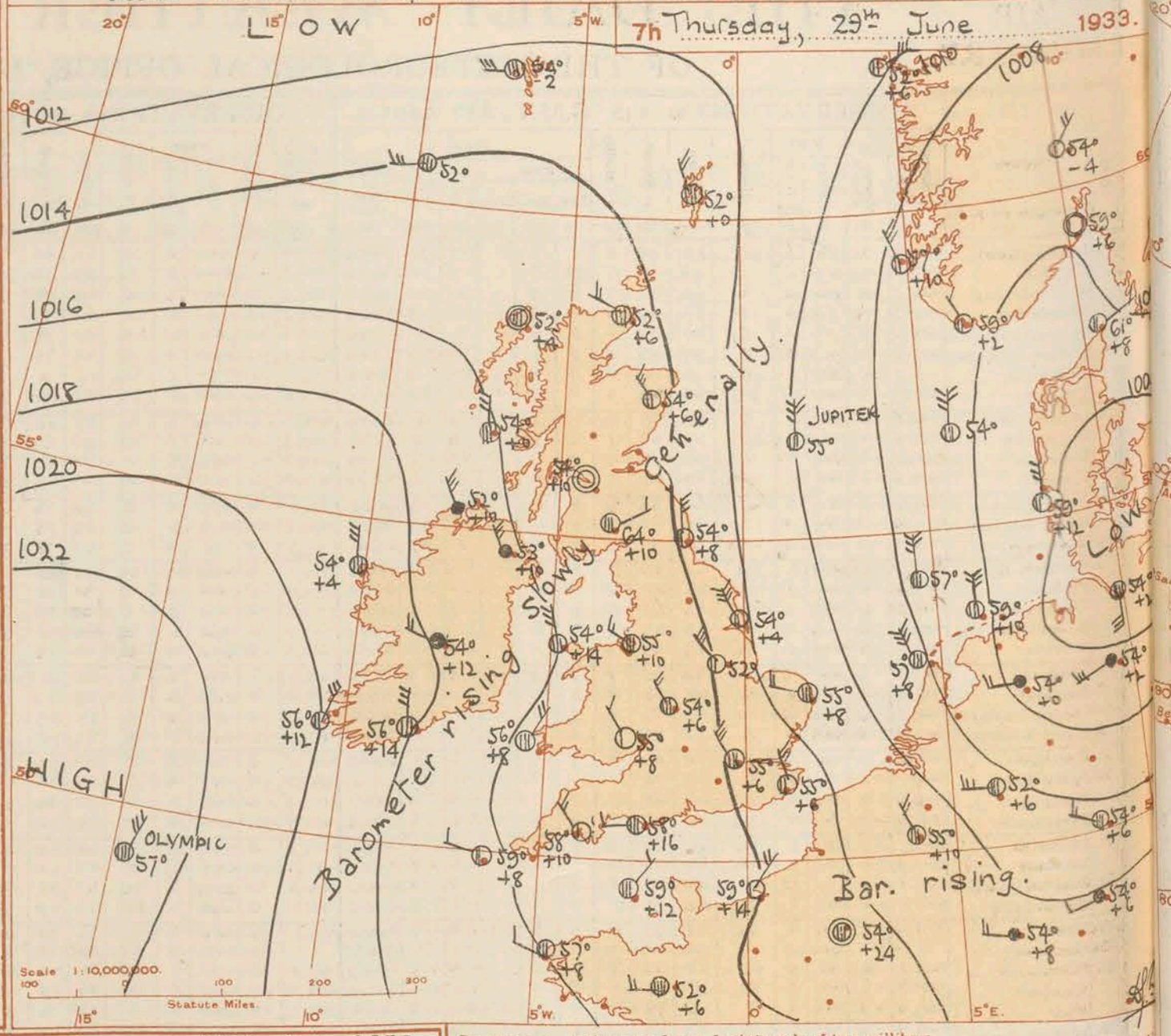
REPORTS from HEALTH RESORTS for 28th June 1933.

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.	bbc	copo	51	67	-	Trace	5·7	12·5
	Bournemouth	b	b	49	76	-	-	9·2	9·9
	Ventnor ...	bbc	bc	53	66	-	-	7·7	12·8
	Southsea ...	b	c	54	69	-	-	6·7	12·6
	Bognor Regis	bbc	bcoc	53	67	-	-	6·9	11·9
	Littlehampton	bcc	c	53	69	-	-	5·9	12·3
	Worthing ...	bbc	c	55	68	-	-	7·3	11·9
	Brighton ...	bcb	bbcc	55	66	-	-	8·0	12·1
	Eastbourne†	bcb	bbco	55	64	2	-	6·5	12·2
	Hastings† ...	bcbbc	bcco	55	68	-	-	5·6	11·8
	Folkestone ...	cbc	coor	56	66	-	5	1·7	9·7
	Dover... ...	ybcc	co	56	66	0·4	Trace	0·3	11·2
	Deal	cbcc	cpo	55	68	-	0·2	2·5	10·6
	Ramsgate ...	c	crc	55	66	-	1	0·2	11·9
	Margate ...	c	cr	55	63	-	1	0·6	12·2
2	Southend ...	bco	orco	52	66	Trace	0·5	1·5	12·3
	Maldon ...	bcd	ocd	54	63	-	Trace	2·3	12·8
	Clacton-on-Sea	c	c	51	62	-	-	0·8	12·6
	Dovercourt ...	dbcc	cc	52	63	Trace	-	0·4	12·7
	Lowestoft ...	cocic	c	52	62	-	0·1	0·4	10·0
	Skegness ...	ram.	om.bc	52	62	Trace	Trace	0·8	12·5
	Mablethorpe	or.c	cboc	5R	59	1	Trace	2·0	11·8
	Cleethorpes...	o	bc	54	61	0·5	-	2·5	11·5
3	Leamington S.	oc	co	47	64	-	-	2·7	8·9
4	Cheltenham†	cbcc	coc	47	65	Trace	-	5·4	10·1
5	Bath	bbc	bcc	49	68	-	-	8·2	11·3
	Weymouth ...	b	bbc	50	69	-	-	10·1	10·5
	Jersey ...	bc	bc	54	64	-	-	10·5	9·7
	Torquay ...	bc	bcbay	50	67	-	-	8·7	11·5
	Penzance ...	acbc	cbcb	52	64	-	-	6·3	9·5
	St. Ives ...	b	c	53	60	-	-	6·4	12·0
	Bude	bbc	bbc	55	61	-	-	11·0	11·2
	Ilfracombe ...	acbcb	bbc	56	62	-	-	7·9	12·0
6	Aberystwyth	bbc	c	55	58	-	-	4·0	7·9
7	Llandudno ...	c	cbcb	53	60	-	-	2·4	9·5
	Colwyn Bay...	o	acbcb	52	60	-	-	1·4	9·4
	Rhyl	c	cbc	54	61	-	-	1·6	10·2
8	Wallasey ...	cbcc	cbcb	54	65	-	-	5·7	6·5
	Southport‖ ...	oc	cobcb	54	64	-	-	4·5	7·8
	Blackpool ...	cbc	cbc	54	65	-	-	5·7	12·2
	Morecambe ...	cbbc	cbbc	55	67	-	-	6·1	13·2
9	Ilkley... ...	o	cbcb	53	64	Trace	-	2·6	8·4
10	Berwick-on-T.	bo	bc	52	59	Trace	-	10·8	8·6
11	Dunbar ...	bc	bc	53	60	-	-	9·4	7·6
12	Troon... ...	bbo	bcc	51	62	-	-	9·4	10·7
	Douglas ...	cbc	bbc	50	62	-	-	3·8	13·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 29th June 1933.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th June 1933
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate north to northwest wind; mainly fair; 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 north or northwest wind, backing, mainly fair; moderate temperature.
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 to moderate northwest or west wind, backing southwest; cloudy, rain probable later; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Light or moderate northerly wind, backing; cloudy, perhaps rain later; 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. TThunder. ↯Thunderstorm. ∞Haze.
SEA DISTURBANCE. ~Rough. ≈High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is low in the Baltic area and north of Iceland. A wedge of high pressure extending from the Azores anticyclone to the west coast of Norway is moving southeast. Weather will become unsettled in the Northwest but will remain mainly fair in the South and Southeast.

FURTHER OUTLOOK.

Unsettled in the North and Northwest; probably mainly fair in the Southeast.

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.

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

Thursday, 29th June 1933.

No. 26.152

OBSERVATIONS at 1 hr. G.M.T. 29th June

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	[illegible]5	+3	NW	1	3c	49	95	6	-	-	-	0	0	-
	S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot,(S'thmtn)	8														
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012·1	+6	NW	2	b	49	95	8	5	-	-	Tr.	Tr.	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1010·2	0	WNW	2	c	54	75	7	5	-	-	9+	9+	2500
	Cranwell ...	240														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill...	32	1012·8	+6	NNW	3	0	59	85	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·3	0	NW	2	c	56	85	8	8	-	-	10	10	2500
	Scilly(St.Mary's)	163	1015·7	0	NNW	3	c	56	85	8	8	-	-	7-8	7-8	4000
	Guernsey ...	175	1013·6	0	NW	3	c	56	85	8	8	-	-	10	10	2500
6	Pembroke ...	142	1014·2	+6	NW	1	c	55	95	7	5	-	-	9+	9+	4000
7	Holyhead ...	26	1014·7	+4	NW	3	b	54	85	8	5	-	-	Tr.	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011·1	+4	NW	6	c	52	85	8	5	2	-	4-6	7-8	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	100	1012·6	+2	NNW	2	bc	50	75	7	1	-	-	2-3	2-3	2500
11	Inchkeith ...	190	1013·9	+3	ENE	1	bc	52	85	8	7	-	-	2-3	2-3	2500
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew(AbbottsD	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	34	*	0	-	0	c	46	95	8	8	6	-	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1014·4	0	NNW	3	bc	48	95	8	5	1	-	2-3	2-3	2500
16	Lerwick ...	54	1013·2	+4	NNW	2	c	48	85	9	4	6	-	4-6	7-8	1500
17	Blacksod Point	18	*	+2	N	3	7c	53	95	7	6	-	-	10	10	450
18	Malin Head ...	52	1015·8	+4	NW	3	c	54	85	8	5	2	-	7-8	9+	450
	Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1013·4	+6	N	3	bc	52	95	8	7	-	-	2-3	2-3	4000
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th June

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)...	1014·7	+10	NNW	2	c	55	75	7	5	-	-	7-8	7-8	4000	0	*
	Croydon ...	1013·7	+6	NNW	3	3c	55	65	6	7	3	-	4-6	7-8	4000	1	*
	S. Farnborough	1014·6	+12	WNW	1	bc	53	85	7	7	4	-	2-3	2-3	4000	1	*
	Winchester ...	1014·6	+10	NNW	2	b	54	85	7	-	-	1	0	1	-	1	*
	Boscombe Down	1014·7	+8	NW'N	1	b	55	85	6	-	-	9	0	1	-	1	*
	Calshot,(S'thmtn)	1014·8	+12	NW	3	b	56	85	5	-	-	-	0	0	-	0	0
	Dungeness ...	*	*	NW	2	bc	*	*	7	5	1	*	1-3	4-6	2500	*	1
	Lympne ...	1013·3	+6	NNW	3	bc	55	75	7	5	3	9	2-3	4-6	2500	0	*
2	Shoeburyness	1013·7	+10	NW	3	b	54	75	8	-	5	-	0	Tr.	-	0	*
	Felixstowe ...	1012·7	+10	NW	3	c	54	85	7	5	-	-	9	9	4000	0	1
	Gorleston ...	1011·7	+8	WNW	2	c	55	75	6	8	-	-	9+	9+	2500	0	2
	Cranwell ...	1014·2	+14	NW	3	bc	52	85	6	7	-	-	4-6	4-6	4000	0	*
3	Birmingham ...	1015·1	+6	NW	2	c	54	85	5	5	-	-	9+	9+	2500	1	*
	Upper Heyford	1015·0	+10	NW	2	3c	53	85	6	5	-	-	9+	9+	5700	1	*
4	Ross-on-Wye ...	1014·8	+8	NW	1	b	55	85	7	7	-	-	1	1	4000	0	*
5	Portland Bill...	1014·4	+16	W'S	1	c	58	85	6	5	-	-	7-8	7-8	2500	0	2
	Plymouth ...	1015·5	+10	NW	2	b	57	75	8	7	-	-	Tr.	Tr.	2500	0	1
	The Lizard ...	1015·8	+4	NW'N	1	c	58	85	8	8	6	-	4-6	7-8	2500	0	0
	Scilly(St.Mary's)	1016·8	+8	NNW	1	bc	59	95	7	-	-	-	4-6	4-6	4000	0	1
	Guernsey ...	1014·6	+12	NE	1	c	59	85	7	8	-	-	9	9	2500	0	2
6	Pembroke ...	1015·0	+8	NNE	2	c	56	95	7	5	-	-	9+	9+	2500	0	1
7	Holyhead ...	1016·0	+14	N'W	3	c	54	85	7	5	-	-	9+	9+	1500	0	2
	Chester (Sealand)	1015·4	+10	WNW	2	c	55	85	7	5	-	-	9	9	1500	0	*
8	L'pool (Bidston)	1015·2	+4	WNW	4	c	54	85	8	5	-	-	10	10	2500	0	*
9	Harrogate ...	1014·5	+10	NNW	3	c	55	65	9	7	-	-	7-8	7-8	4000	0	*
10	Spurn Head ...	1012·1	+4	NW	6	bc	54	85	7	5	3	-	2-3	4-6	4000	0	4
	Catterick ...	1014·6	+8	NW'N	3	bc	55	75	8	1	-	-	4-6	4-6	4000	0	*
	Tynemouth ...	1013·6	+8	N	3	bc	54	75	7	2	-	-	2-3	2-3	2500	0	2
11	Inchkeith ...	1014·9	+8	WSW	2	c	52	85	7	7	3	-	4-6	9+	2500	0	1
	Leuchars ...	1015·1	+10	W	1	bc	51	85	7	7	4	-	4-6	4-6	4000	0	*
12	Renfrew(AbbottsD	1015·1	+10	-	0	b	54	75	8	-	-	9	0	Tr.	-	0	*
	Eskdalemuir ...	1014·8	+10	ENE	1	c	54	75	8	5	-	-	7-8	7-8	2500	1	*
13A	Tiree	1016·1	+10	N	3	c	54	85	9	5	1	-	9	9+	2500	0	2
13B	Stornoway ...	x	+4	-	0	c	52	85	9	4	6	-	4-6	10	2500	0	0
15	Dalwhinnie ...	1015·4	+6	NE	2	c	52	75	8	4	-	-	7-8	7-8	2500	0	*
	Aberdeen ...	1014·6	+6	NNW	3	bc	54	75	8	8	-	-	4-6	4-6	4000	0	1
	Wick	1014·8	+6	WNW	2	c	52	95	8	8	1	-	7-8	9	2500	0	2
16	Lerwick ...	1013·2	0	NNW	2	c	52	75	9	5	7	-	7-8	9+	1500	0	*
17	Blacksod Point	1019·1	+4	N	3	c	54	85	9	5	-	-	7-8	7-8	800	1	2
18	Malin Head ...	1017·1	+10	N'W	3	id.	52	95	6	8	2	-	9	9+	450	1	1
	Aldergrove ...	1016·7	+10	NNW	3	id.	53	85	7	5	-	-	10	10	800	0	*
	Donaghadee ...	1017·7	+10	NW	2	b	56	75	8	8	-	-	Tr.	Tr.	4000	0	0
19	Birr Castle ...	1018·0	+12	NW	2	d.d.	54	95	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.†	1020·0	+12	N'E	3	bc	56	75	8	1	-	1	4-6	4-6	2500	0	1
	Roches Point...	1017·7	+14	N	3	c	56	85	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Distrct.	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 28th Hrs. (36)
1	London (Kew)...	66	49	39	-	-	5·9
	Croydon ...	66	47	41	-	-	5·4
	S. Farnborough	67	44	34	-	Tr.	6·8
	Winchester ...	67	45	41	-	Tr.	6·3
	Boscombe Down	68	47	43	-	-	8·1
	Calshot,(S'thmtn)	67	54	52	-	Tr.	6·7
	Dungeness ...	66	45	*	3	0·5	*
	Lympne ...	68	47	45	0·1	-	3·9
2	Shoeburyness	65	47	42	0·1	-	2·2
	Felixstowe ...	61	48	44	Tr.	Tr.	0·1
	Gorleston ...	61	52	51	0·5	-	2·9
	Cranwell ...	63	45	42	Tr.	-	3·8
3	Birmingham ...	61	49	36	-	-	2·8
	Upper Heyford	64	47	42	-	-	*
4	Ross-on-Wye ...	68	49	40	-	-	7·6
5	Portland Bill...	65	55	*	-	-	*
	Plymouth ...	62	51	48	-	-	10·3
	The Lizard ...	63	54	*	-	-	*
	Scilly(St.Mary's)	64	55	*	-	-	8·0
	Guernsey ...	64	55	52	-	-	14·7
6	Pembroke ...	61	*	*	-	-	10·5
7	Holyhead ...	59	53	48	-	-	4·2
	Chester (Sealand)	61	48	45	-	-	4·5
8	L'pool (Bidston)	62	53	51	-	-	8·0
9	Harrogate ...	62	46	40	-	-	6·7
10	Spurn Head ...	61	49	*	-	-	4·1
	Catterick ...	63	48	44	-	-	7·0
	Tynemouth ...	57	48	45	-	-	*
11	Inchkeith ...	65	51	42	-	-	9·6
	Leuchars ...	64	43	33	-	-	10·0
12	Renfrew(AbbottsD	70	42	38	-	-	8·9
	Eskdalemuir ...	65	42	35	-	-	6·5
13A	Tiree	57	53	49	Tr.	-	9·0
13B	Stornoway ...	58	45	*	-	-	7·5
15	Dalwhinnie ...	62	40	36	-	-	9·6
	Aberdeen ...	61	41	38	-	-	13·6
	Wick	57	43	*	-	-	*
16	Lerwick ...	56	47	*	-	-	8·9
17	Blacksod Point	59	52	*	-	1	*
18	Malin Head ...	56	51	*	Tr.	0·2	0·0
	Aldergrove ...	59	52	48	Tr.	Tr.	0·1
	Donaghadee ...	61	49	*	-	-	*
19	Birr Castle ...	66	51	46	-	0·1	10·7
20	Valentia Obsy.†	59	49	44	-	Tr.	2·1
	Roches Point...	66	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 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.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
										Yesterday.		To-day.	
Kew	18	bcc	c	cbwc	66	49	39	-	-	6·0	*	*	7
Croydon	217	bcc	c	cbz-cmb	66	47	41	-	-	5·4	*	*	6
Greenwich (Royal Observatory) ...	149	c	cy	cbc	68	50	36	-	-	4·3	58	61	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	52	47	-	-	5·7	57	55	*
‡ Regents Pk. (Botanic Gardens) ...	168	*	*	*	67	49	47	-	-	5·7	63	55	5
Camden Square	110	bcc	c	*	66	51	46	-	-	*	*	61	*
Kensington	80	bc	bc	*	67	50	39	-	-	5·7	At 18h.	60	*
Hampstead Observatory	450	bc	bc	*	65	48	43	-	-	5·9	69 *	59	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 29th

South Kensington. Max.	Time.	Min.	Time.
0·3	4-5h. 29th.	Nil.	9-22h. 28th.

Kew Observatory. Max.	Time.	Min.	Time.
0·1	4h. 29th.	<0·1	14h. 28th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th June. 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	1008·9	NW	4	c|pr	64	1013·3	-	0	c	54	72	54	0·1	3
Brussels						1010·6	WNW	2	c	55		48		2
Berlin	1004·7	W	3	c|p	61	1004·7	SSW	1	ir.	55	66	52	0·5	3
Zürich	1010·0	-	0	ir.	57	1010·7	SSW	4	o|pr	55	72	52	5	5
Rome	1011·3	WSW	3	b	72	1011·7	SSW	3	c	68	*	59	-	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 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.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d. 2/6 per month; 6/8 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.

† 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

Friday 30th. June 1933.

No. 26. 153

OBSERVATIONS at 13h. G.M.T. 29th. June

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)	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)	1015.4	+2	NW	3	c	64	55	7	5	-	-	9+	9+	4000
	Croydon	1014.9	+2	NNW	4	c	64	58	7	8	3	-	7-8	9	4000
	S. Farnborough	1015.3	+2	NW	3	c	64	55	7	5	8	-	7-8	7-8	4000
	Winchester	1015.5	+2	NNW	3	c	63	65	7	4	-	-	9	9	5700
	Boscombe Down	1015.5	+6	NNW	3	c	64	55	7	7	-	-	9+	9+	4000
	Calshot, S'thmtn	1015.2	0	NNW	1	c	66	55	7	8	8	-	4-6	9	2500
	Dungeness	*	*	NNW	2	c	*	*	6	8	-	*	9	9	800
	Lympne	1014.8	+6	NW'N	3	c	61	45	8	7	-	-	9	9	4000
2	Shoeburyness	1014.7	+4	NNW	3	c	63	55	8	7	-	-	7-8	7-8	4000
	Felixstowe	1014.6	+12	NNW	3	c	59	55	9	7	3	-	7-8	7-8	4000
	Gorleston	1013.7	+10	NNW	5	c	59	75	6	8	-	-	9	9	2500
	Cranwell	1015.0	+2	NNW	3	bc	63	55	8	7	-	-	4-6	4-6	4000
3	Birmingham	1015.4	+4	NNW	2	c	60	75	7	8	-	-	7-8	7-8	1500
	Upper Heyford	1015.6	+4	NW	3	pr$_o$	61	75	6	9	-	-	9	9	1500
4	Ross-on-Wye	1015.0	+6	NNW	2	c	66	65	8	7	-	-	9	9	4000
5	Portland Bill	1016.5	+4	NNW	2	c	60	85	7	5	4	-	7-8	10	1500
	Plymouth	1016.6	+6	S	3	c	60	85	8	7	-	-	9	9	4000
	The Lizard	1018.0	+4	NW'N	2	c	63	75	8	8	6	-	9+	9+	2500
	Scilly (St. Mary's)	1018.7	+10	N'W	4	c	61	85	8	8	-	-	7-8	7-8	4000
	Guernsey	1017.1	+10	-	0	c	61	75	6	8	-	-	9+	9+	2500
6	Pembroke	1017.4	+4	N	2	c	57	75	7	5	2	-	7-8	10	2500
7	Holyhead	1017.6	+4	NW'N	3	c	59	75	8	5	-	-	9+	9+	2500
	Chester (Sealand)	1016.6	+8	SW'W	4	bc	61	75	8	5	4	-	4-6	4-6	1500
8	L'pool (Bidston)	1016.8	+4	W'N	4	bc	60	75	8	7	-	-	2-3	2-3	2500
9	Harrogate	1014.8	0	N	3	b	63	45	8	1	-	-	Tr	Tr	4000
10	Spurn Head	1013.9	+2	NE	6	c	59	95	7	5	7	-	2-3	7-8	4000
	Catterick	1014.7	-4	NW	2	bc	63	55	8	7	-	-	4-6	4-6	2500
	Tynemouth	1015.5	+6	NE	3	bc	56	75	8	2	-	-	2-3	2-3	2500
11	Inchkeith	1015.0	0	ESE	2	bc	63	65	8	7	-	-	2-3	2-3	4000
	Leuchars	1015.3	+2	E	3	bc	62	55	8	1	3	1	1	2-3	2500
12	Renfrew (Abbotts I)	1014.5	-2	WNW	2	bc	66	65	8	1	-	-	2-3	2-3	4000
	Eskdalemuir	1014.4	-4	WSW	2	c	63	65	8	8	-	-	9	9	2500
13A	Tiree	1017.5	+4	NW	3	c	56	75	8	5	1	-	7-8	9+	2500
13B	Stornoway	·	0	NNW	2	c	56	75	7	9	6	-	7-8	10	1500
15	Dalwhinnie	·	-4	NE	1	b	65	45	8	4	-	1	Tr	Tr	5700
	Aberdeen	1015.0	0	NW	3	bc	61	45	8	1	-	-	4-6	4-6	4000
	Wick	1015.5	-2	NNW	3	bc	59	65	8	1	7	-	2-3	4-6	2500
16	Lerwick	1013.3	-4	WNW	2	c	57	75	9	5	-	-	9+	9+	1500
17	Blacksod Point	1020.5	+4	N'W	3	c	58	65	9	5	5	-	2-3	9	800
18	Malin Head	1018.2	+6	NW	3	cjp	55	85	7	8	1	-	7-8	9+	450
	Aldergrove	1018.0	+6	NW'W	3	old	56	85	9	5	-	-	10	10	1500
	Donaghadee	1017.9	0	N	2	bc	57	75	8	5	-	-	4-6	4-6	2500
19	Birr Castle	1019.1	+2	NNW	3	c	60	65	8	5	-	-	9+	9+	2500
20	Valentia Obsy.	1021.1	+6	NW'N	4	c	58	75	9	5	-	-	9+	9+	1500
	Roches Point	1018.1	+10	N	2	c	60	85	9	5	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 29th. June

Dist.	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)	1015.3	0	NNE	2	c	66	45	6	5	-	-	9	9	4000	0	*
	Croydon	1014.7	+2	E'N	2	bc	65	55	6	8	3	-	4-6	4-6	4000	0	*
	S. Farnborough	1015.4	+2	NW	2	c	65	65	7	5	-	-	9+	9+	4000	0	*
	Winchester	1015.5	-2	NW'W	3	c$_r$	64	75	8	4	-	-	7-8	7-8	4000	0	*
	Boscombe Down	1015.7	+6	NW	3	c	64	65	7	4	-	-	9+	9+	4000	0	*
	Calshot, S'thmtn	1015.5	0	SW	2	bc$_r$pr	64	75	6	8	3	-	4-6	4-6	2500	0	1
	Dungeness	*	*	ENE	2	c	*	*	6	8	-	*	7-8	7-8	800	*	1
	Lympne	1015.6	+4	ESE	3	bc	59	75	8	4	-	1	4-6	4-6	4000	*	*
2	Shoeburyness	1015.4	+6	SE	2	bc	61	75	8	4	-	-	2-3	2-3	4000	0	*
	Felixstowe	1015.3	+4	NW'N	3	bc	61	55	8	8	3	-	4-6	4-6	4000	0	1
	Gorleston	1014.6	+6	NW'N	3	c	59	65	6	8	-	-	7-8	7-8	2500	0	2
	Cranwell	1015.5	+4	NE	2	bc	64	55	7	4	-	9	2-3	4-6	5700	0	*
3	Birmingham	1015.4	+2	NNW	3	c	66	55	8	8	-	-	7-8	7-8	2500	1	*
	Upper Heyford	1015.8	+4	N	2	3$_o$	62	75	6	5	3	-	4-6	9+	2500	1	*
4	Ross-on-Wye	1015.5	0	N	1	c	66	65	8	7	-	-	9+	9+	4000	0	*
5	Portland Bill	1016.8	-2	W	3	c	60	85	7	5	4	-	7-8	7-8	1500	0	2
	Plymouth	1017.6	0	N	4	bc	62	55	8	7	4	-	2-3	2-3	4000	0	1
	The Lizard	1018.4	+6	NW'N	3	bc	62	75	8	7	4	-	2-3	4-6	4000	0	1
	Scilly (St. Mary's)	1019.7	+4	N	4	c	60	75	8	8	-	3	7-8	7-8	4000	0	2
	Guernsey	1016.0	+2	-	0	bc	62	75	7	8	-	-	4-6	4-6	2500	0	1
6	Pembroke	1018.4	0	NNW	2	c	60	95	7	5	3	61	4-6	7-8	2500	0	1
7	Holyhead	1018.1	+2	WNW	2	c	57	85	8	5	-	-	9+	9+	4000	0	1
	Chester (Sealand)	1017.3	+4	WNW	5	bc	59	75	9	1	-	1	1	2-3	4000	0	*
8	L'pool (Bidston)	1017.8	+4	W'N	4	bc	58	75	8	1	-	-	2-3	2-3	2500	0	*
9	Harrogate	1015.5	0	NNW	2	bc	62	55	7	5	-	-	2-3	2-3	5700	0	*
10	Spurn Head	1014.8	+4	NE'N	5	bc	58	75	8	-	1	-	0	2-3	-	0	3
	Catterick	1015.9	+8	NE	2	b	60	55	7	4	-	1	Tr	Tr	4000	0	*
	Tynemouth	1015.8	+4	N	2	bc	56	75	8	2	-	1	2-3	2-3	2500	0	2
11	Inchkeith	1014.8	-8	E	3	bc	59	85	8	5	-	6	4-6	4-6	2500	0	2
	Leuchars	1015.7	+2	E	3	c	58	65	8	5	-	5	7-8	7-8	2500	0	*
12	Renfrew (Abbotts I)	1015.1	+4	W	3	c	64	65	9	1	-	6	Tr	7-8	4000	0	*
	Eskdalemuir	1014.7	+2	S	2	c	63	75	8	5	-	-	7-8	7-8	2500	1	*
13A	Tiree	1018.0	0	NNW	3	c	55	75	9	5	1	-	9+	9+	2500	0	2
13B	Stornoway	·	+4	W	2	c	54	75	8	8	2	-	4-6	10	1500	1	1
15	Dalwhinnie	·	0	NE	1	bc	66	45	8	4	-	1	4-6	4-6	4000	0	*
	Aberdeen	1016.0	+6	SE	1	b	56	65	8	1	-	1	1	1	4000	0	1
	Wick	1015.3	0	NNW	3	c	55	95	8	8	1	-	7-8	9	2500	0	2
16	Lerwick	1013.8	0	WNW	3	c	53	75	9	5	-	-	9+	9+	1500	0	*
17	Blacksod Point	1020.5	0	N'W	3	c	57	85	9	5	-	-	9	9	800	0	2
18	Malin Head	1019.0	+2	NW	3	cjp	55	85	7	8	1	-	7-8	9+	800	0	1
	Aldergrove	1018.6	0	NW	3	c	56	85	9	5	3	1	9+	9+	1500	0	*
	Donaghadee	1018.0	+2	N	3	c	55	85	8	5	-	-	9	9	1500	0	2
19	Birr Castle	1019.3	0	NNW	2	c	62	65	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	1021.8	+2	NW'N	4	bc	59	75	9	7	-	-	2-3	2-3	2500	0	1
	Roches Point	1019.0	0	N	3	bc	65	65	9	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

7h.–13h. 29th. (37)	13h.–18h. 29th. (38)	18h. 29th.–1h. 30th. (39)	1h.–7h. 30th. (40)
c	cc3$_o$	cy3$_o$	bcm$_o$
cc3$_o$mc	bccy	bcc3$_o$	cm$_o$bc
bccy	cpr$_o$bcyc	c	cbcc
bbcc	cr$_o$bc	c	c
bm$_o$c	c	c	cbc
bycgy	cgcpr$_o$	cbc	cbcm$_o$
bc	o	*	bc
bccy	cbcy	bco	obc
bccy	cbc	bc	bc
cy	cyvp$_o$bc	bcy	bc
cypr$_o$	cq	cqbc	bc
bc	bc	b	bm$_o$
c	bc	bcb	b
cvpr$_o$	c	cm$_o$	cm$_o$
bccbc	c	cbcb	bwc
c	c	bcb	bbc
b,c	cbc	bc	bcc⊕
c	cbc	bcc	c
bcc	cbcc	cbcc	cbcc
cbcc	cbc	bcbw	bbcc
c	c	vc	c
cbc	cbc	c	c
bc	bbv	bvb	bcd$_o$v
cb	bccb	b	bvcid$_o$
bcb	b	bbc	bcb
bcc	cbc	bcw	bb3
bcy	bcyby	bw	bwbc
bcq	bc	co	oc
cbc	bc	bcc	c
bcby	bcybcc	c	c
bbcb	byv	bvbc	bcc
bcc	c	cw	bcw
cicd	c	cid$_o$w	c
cpr$_o$	c	c	c
b	b	*	c
bcy	bcyb	bcc	c
cbc	bcc	c	c
c	c	c	cpr$_o$
c	cbc	c	cbc
cpr$_o$	cjp	cicd$_o$	c
oicd$_o$	cicdcv	cvc	cp$_o$c
bbc	bcc	c	cpr$_o$c
id$_o$oc	c	c	c
bcc	cbcv	bcvcw	cwc
cv	cbcv	bcvb	bbc

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.

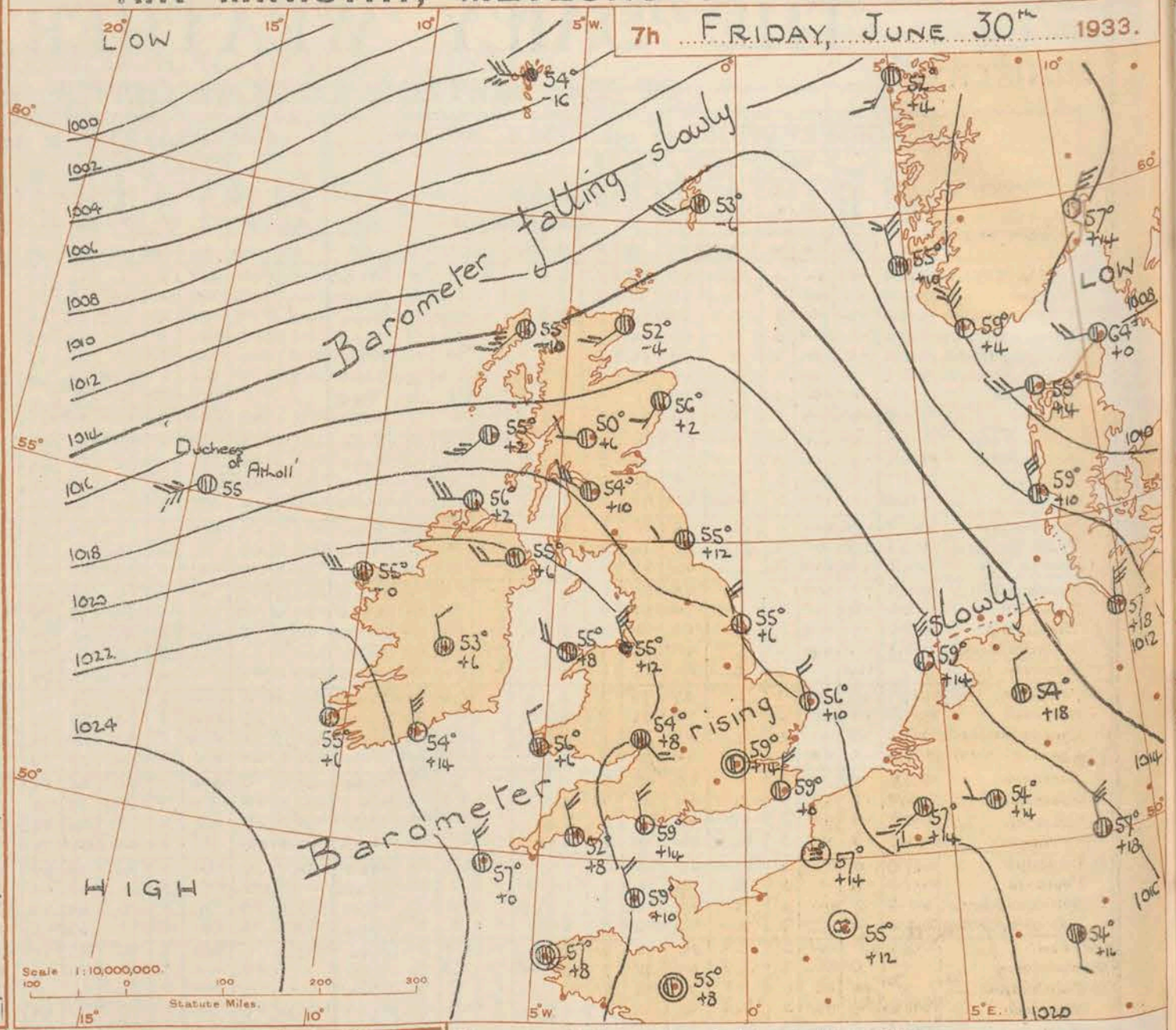
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 29th. June 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.	bc	bcc	44	66	-	-	8·7	5·9
	Bournemouth	bbcc	c	52	68	-	-	6·4	~~10·4~~ 7·2
	Ventnor ...	pb3	cou	51	66	1	-	6·8	7·7
	Southsea ...	b	c	54	68	0·2	-	6·5	6·7
	Bognor Regis	bbc	bcorb	50	67	Trace	Trace	7·2	6·9
	Littlehampton	bc	bc	48	67	Trace	-	7·1	6·0
	Worthing ...	bbc	c	50	66	-	-	7·1	7·5
	Brighton ...	bbc	bcc	50	67	-	-	7·1	8·1
	Eastbourne†	c	c	51	67	Trace	-	5·3	6·5
	Hastings† ...	bcc	cbcc	50	66	0·4	-	8·1	5·6
	Folkestone ...	bc	bc	48	64	Trace	-	7·9	1·7
	Dover... ...	ybcc	cbc	51	65	0·2	-	6·3	0·3
	Deal	cbcb	bcb	50	65	-	-	5·2	2·5
	Ramsgate ...	bc	bc	53	63	-	-	4·7	0·2
	Margate ...	bc	cbc	54	62	Trace	-	5·4	0·6
2	Southend ...	bbc	bc	49	68	-	-	5·8	1·5
	Maldon ...	b	bbc	51	65	-	-	8·9	2·3
	Clacton-on-Sea	cbc	bccbc	49	64	-	-	4·8	0·7
	Dovercourt ...	bcu	bcu	49	66	-	-	6·0	0·4
	Lowestoft ...	cpro	ccl,c	51	60	0·2	Trace	0·3	0·5
	Skegness ...	bc	bc	48	61	-	-	7·5	2·1
	Mablethorpe	bccbc	bcbo	46	60	-	-	8·1	3·1
	Cleethorpes...	bc	b	50	62	-	-	8·4	4·1
3	Leamington S.	oc	co	46	65	-	-	2·3	2·7
4	Cheltenham†	cwbc	bcc	47	67	-	-	3·2	5·4
5	Bath	bcbbc	cbcc	51	69	-	-	6·4	8·2
	Weymouth ...	cb	ucb	55	68	-	-	3·8	11·1
	Jersey ...	bcb	b	56	67	-	-	9·0	13·0
	Torquay ...	b	bcc	53	70	-	-	4·8	9·6
	Penzance ...	cbc	opcb	55	68	-	Trace	6·4	8·3
	St. Ives ...	c	c	55	62	-	-	4·7	11·3
	Bude	bbc	bc	45	63	-	-	11·6	11·4
	Ilfracombe ...	b	b	55	63	-	-	11·0	10·4
6	Aberystwyth	bc	bccbc	47	60	-	-	7·3	5·6
7	Llandudno ...	oc	bc	53	60	-	-	4·0	4·8
	Colwyn Bay...	o	obc	51	62	-	-	2·5	3·3
	Rhyl	c	cbcb	51	60	-	-	6·5	4·1
8	Wallasey ...	cbc	bcb	55	63	-	-	6·6	7·8
	Southport‖ ...	ocbcb	bbcco	51	65	0·2	-	6·8	7·0
	Blackpool ...	cbc	bcc	52	65	-	-	5·0	7·7
	Morecambe ...	cbbcc	bbc	53	66	-	-	7·3	8·4
9	Ilkley... ...	b	bbcc	47	71	-	-	7·0	5·1
10	Berwick-on-T.	bc	b	49	59	-	-	11·8	13·7
11	Dunbar ...	bc	bc	52	60	-	-	11·0	12·3
12	Troon... ...	bbc	bcb	47	63	-	-	12·0	12·2
	Douglas ...	cbbc	bc	51	61	-	-	9·8	5·0

† 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. T Thunder. K Thunderstorm. ∞ Haze.
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 June, 1933.
1. S.E. England 2. E. England... 3. E. Midlands 4. W. Midlands 5. S.W. England	Light or moderate northwest wind; fair; normal temperature or rather warm.
6. South Wales 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 northwest or west wind; mainly fair; normal temperature.
13. A. W Scotld. B. N.W. Scotland	Moderate or fresh southwest wind; cloudy, local drizzle, probably rain later; moderate temperature.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands.	Moderate west to southwest wind, fresh locally; cloudy, local drizzle, perhaps rain later; moderate temperature.
17. N.W. Ireland	As 13A and B.
18. N.E. Ireland	Light or moderate west to southwest wind; cloudy; moderate temperature.
19. S.E. Ireland 20. S.W. Ireland	Light or moderate northwest to west or southwest wind; cloudy, perhaps local drizzle; moderate temperature.

GENERAL INFERENCE.

An anticyclone is situated to southwest of the British Isles. A depression north of Iceland is moving northeast and there are indications of the development on the Atlantic of further disturbances. Over most of the country weather will be mainly fair but in the Northwest there will be local drizzle at first and probably rain later.

FURTHER OUTLOOK.

Unsettled in the Northwest; fair in the Southeast and South.

Forecasts issued at 0915 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
Friday,
30th. JUNE
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

Friday 30th. June 1933.

No. 26,153.

OBSERVATIONS at 1 hr. G.M.T. 30th. June

Distance	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	1017·0	+6	-	0	3c	57	85	6	-	7	-	0	10	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot, (S'thmtn)	8														
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1016·9	0	-	0	0	55	65	8	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1016·4	+6	NW	2	bc	50	85	7	1	-	-	2-3	2-3	2500
	Cranwell	240														
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Portland Bill	32	1017·7	0	NNW	3	b	53	85	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1020·2	+4	NW	1	c	55	95	8	8	7	8	4-6	7-8	2500
	Scilly (St. Mary's)	163	1021·2	+4	NNW	3	c	56	95	8	8	-	-	9+	9+	2500
	Guernsey	175	1018·7	+2	-	0	b	55	95	8	-	-	-	0	0	-
6	Pembroke	142	1019·2	+4	NNW	1	c	55	85	7	5	2	-	4-6	10	2500
7	Holyhead	26	1019·2	+4	NW'N	2	c	54	85	8	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1016·5	+6	NW	3	bc	54	85	8	-	7	-	0	4-6	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	100	1016·4	0	SW	2	0	55	85	7	5	-	-	10	10	1500
11	Inchkeith	190	1016·7	+6	WSW	2	c	53	85	8	5	-	-	9+	9+	2500
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotts L.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	34	*	-10	WSW	2	c	53	85	8	8	7	-	7-8	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1015·6	-2	NNW	2	c	49	95	8	8	1	-	7-8	9	1500
16	Lerwick	54	1014·0	0	W'N	1	c	51	~~75~~ 95	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1020·7	+2	-	0	c	55	85	8	5	-	-	9	9	450
18	Malin Head	52	1019·1	0	W'N	3	8c	54	85	7	8	1	-	7-8	9+	800
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1022·9	0	NW	3	b	53	95	9	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 30th. June

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)	1018·9	+10	-	0	bc	58	75	6	7	-	-	4-6	4-6	4000	0	*
Croydon	1018·5	+14	-	0	bc	59	75	6	-	3	1	0	4-6	-	0	*
S. Farnborough	1019·2	+10	NW'W	2	c	56	85	6	5	-	-	9	9	4000	0	*
Winchester	1019·5	+14	NNW	3	c	56	85	7	5	-	-	9+	9+	4000	1	*
Boscombe Down	1019·2	+18	N	2	bc	55	85	7	5	-	-	4-6	4-6	4000	0	*
Calshot, (S'thmtn)	1018·5	+14	NNW	3	c	58	85	6	-	3	-	0	7-8	-	0	0
Dungeness	*	*	NE	1	bc	*	*	6	-	-	*	0	2-3	-	*	1
Lympne	1018·2	+10	N	2	bc	59	75	7	-	-	1	0	4-6	-	0	*
Shoeburyness	1019·0	+12	NE	2	bc	59	75	8	-	9	-	0	4-6	-	0	*
Felixstowe	1018·6	+10	N'W	2	bc	55	75	8	5	-	1	4-6	4-6	4000	0	0
Gorleston	1017·9	+10	NW'N	2	bc	56	75	7	4	-	1	2-3	2-3	2500	0	2
Cranwell	1018·7	+10	WNW	1	b	55	85	6	-	4	-	0	1	-	0	*
Birmingham	1019·5	+10	NNW	3	c	53	85	7	7	-	-	7-8	7-8	2500	1	*
Upper Heyford	1019·7	+12	N	2	3c	53	95	6	5	-	-	9	9	800	1	*
Ross-on-Wye	1019·3	+8	E'S	2	c	54	85	7	5	-	-	10	10	4000	0	*
Portland Bill	1019·6	+14	NNW	2	bc	59	75	7	5	-	-	2-3	2-3	2500	0	2
Plymouth	1020·0	+8	NW	2	c	54	85	8	5	-	6	2-3	9	2500	0	1
The Lizard	1021·0	+8	NNW	2	c	57	95	8	7	4	-	4-6	7-8	4000	0	1
Scilly (St. Mary's)	1020·9	0	NW'W	2	c	57	95	7	5	7	-	4-6	7-8	4000	0	1
Guernsey	1019·4	+10	NW	2	c	59	85	8	8	-	-	7-8	7-8	1500	0	1
Pembroke	1020·8	+6	NW	1	c	56	85	7	5	4	-	4-6	7-8	4000	0	1
Holyhead	1020·1	+8	W'N	2	c	55	85	8	8	-	-	10	10	4000	0	1
Chester (Sealand)	1020·1	+12	NW'W	3	1r.	55	85	8	5	1	-	9	9+	1500	0	*
L'pool (Bidston)	1020·2	+14	WNW	3	c/d	54	85	9	9	1	-	7-8	9+	2500	0	*
Harrogate	1018·1	+6	WSW	3	bc	55	85	7	-	-	2	0	2-3	-	0	*
Spurn Head	1017·7	+6	NW'N	2	bc	55	85	5	-	2	-	0	4-6	-	0	2
Catterick	1018·0	+12	W	1	bc	56	85	7	5	3	1	2-3	2-3	5700	0	*
Tynemouth	1017·8	+12	W	1	c	55	85	6	4	-	-	7-8	7-8	4000	0	2
Inchkeith	1018·1	+10	WSW	3	c	52	95	6	5	-	-	9+	9+	1500	0	3
Leuchars	1016·7	+2	W	1	c	56	75	8	5	-	-	9+	9+	4000	0	*
Renfrew (Abbotts L.)	1017·9	+10	W'N	3	c	54	75	8	5	-	1	7-8	7-8	2500	0	*
Eskdalemuir	1017·8	+8	-	0	c	50	85	8	-	7	6	0	7-8	-	1	*
Tiree	1017·9	+2	SW	3	c	55	95	8	5	3	-	9	9+	2500	0	2
Stornoway	~~1021·8~~	-10	SW	3	c	55	85	8	8	6	-	9	10	1500	1	1
Dalwhinnie	1017·4	+6	W	1	bc	50	75	8	4	-	1	4-6	4-6	1500	0	*
Aberdeen	1016·3	+2	SW	1	c	56	75	7	5	-	-	9+	9+	4000	0	1
Wick	1015·1	-4	WSW	2	c	52	95	8	5	1	8	7-8	10	1500	0	2
Lerwick	1012·6	-6	W'S	3	c/pr.	53	95	8	8	7	-	4-6	9	800	0	*
Blacksod Point	1020·3	0	W	3	c	57	85	8	5	-	-	7-8	7-8	450	0	2
Malin Head	1018·8	+2	W	3	c	56	85	8	5	1	-	9	9+	1500	0	1
Aldergrove	1020·1	+6	W	2	c	55	75	9	5	-	-	9+	9+	4000	0	*
Donaghadee	1019·5	+6	NNW	1	c	53	95	8	9	-	-	7-8	7-8	1500	1	0
Birr Castle	1021·0	+6	NNW	1	c	53	85	8	5	-	-	10	10	2500	1	*
Valentia Obsy.†	1023·2	+6	N	1	c	55	95	8	5	-	-	9+	9+	1500	0	1
Roches Point	~~1020·8~~ 1021·8	+14	N	3	bc	54	85	8	5	-	9	2-3	4-6	2500	0	2

PAST 24 HOURS.

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. 0.1 Hrs. (36)
London (Kew)	68	54	51	-	-	5·0
Croydon	68	55	51	-	-	8·1
S. Farnborough	67	51	45	Tr	-	6·2
Winchester	67	51	47	Tr	-	6·2
Boscombe Down	69	49	44	-	-	7·0
Calshot, (S'thmtn)	69	55	42	Tr	-	7·2
Dungeness	62	57	*	-	-	*
Lympne	64	49	43	-	-	11·2
Shoeburyness	66	53	46	-	-	10·4
Felixstowe	64	48	43	Tr	-	7·2
Gorleston	61	45	43	Tr	-	0·9
Cranwell	66	46	42	-	-	11·1
Birmingham	67	50	45	-	-	5·0
Upper Heyford	66	50	47	Tr	-	*
Ross-on-Wye	68	48	39	-	-	6·3
Portland Bill	63	56	*	-	-	*
Plymouth	~~66~~ 67	51	48	-	~~-~~ -	10·1
The Lizard	67	51	*	-	-	*
Scilly (St. Mary's)	64	54	*	-	-	10·6
Guernsey	65	54	49	-	-	8·1
Pembroke	60	*	*	-	-	4·8
Holyhead	61	54	52	-	-	5·6
Chester (Sealand)	62	51	46	-	Tr	10·7
L'pool (Bidston)	60	53	51	-	Tr	9·0
Harrogate	65	51	47	-	-	12·8
Spurn Head	62	51	*	-	Tr	10·5
Catterick	66	45	41	-	-	13·9
Tynemouth	57	53	50	-	-	*
Inchkeith	65	50	49	-	-	11·1
Leuchars	63	54	51	-	-	10·7
Renfrew (Abbotts L.)	69	~~54~~ 42	42	-	-	14·4
Eskdalemuir	66	41 45	36	-	-	6·6
Tiree	57	53	51	0.3	Tr	0·0
Stornoway	62	52	*	0.3	-	1·0
Dalwhinnie	69	45	40	-	-	11·9
Aberdeen	64	51	46	-	-	11·4
Wick	60	48	*	-	-	*
Lerwick	57	50	*	-	Tr	0·5
Blacksod Point	60	52	*	-	-	*
Malin Head	56	52	*	Tr	Tr	0·7
Aldergrove	58	52	49	Tr	Tr	0·0
Donaghadee	59	51	*	-	0·4	*
Birr Castle	65	50	39	Tr	-	2·4
Valentia Obsy.†	62	50	42	-	Tr	11·2
Roches Point	67	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. To-day.
Kew	18	c	cc3o	cy3obcm	68	54	51	-	-	9·0	*	*	6
Croydon	217	c3omc	bccy	bccmbc	68	55	51	-	-	8·1	*	*	5
Greenwich (Royal Observatory)	149	cy	cbcy	c3o	69	53	44	-	-	7·0	48	59	*
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·9	*	*	*
Westminster (St. James' Park)	27	*	*	*	69	57	53	-	-	8·4	44	58	*
‡Regents Pk. (Botanic Gardens)	168	*	*	*	70	55	49	-	-	8·1	47	58	5
Camden Square	110	c	cbc	*	69	55	52	-	-	*	*	64	*
Kensington	80	cbcc	bc	*	69	55	48	-	-	7·7	At 18h. 64	*	*
Hampstead Observatory	450	bc	bc	*	66	51	50	-	-	8·8	82 *	78	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 29th. June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 30th. June. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015·7	NNW	3	c	64	1019·0	-	0	3o	55
Brussels	1014·2	NW	3	c	57	1017·8	SW'W	5	c	57
Berlin	1005·5	W'S	2	qp	64	1010·6	W	1	3o	59
Zürich	1014·6	WSW	3	c/r	52	1017·4	-	0	c/pr	50
Rome						1016·4	SSE	3	bc	68

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th.

South Kensington. Max.	Time.	Min.	Time.
0·6	7h. 30th	Nil	9-16h. 29th.

Kew Observatory. Max.	Time.	Min.	Time.
0·3	2h. 30th	<0·1	10h. 29th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day. mm.	Rainfall. Night. mm.
64	54	-	-
61	46	Tr	-
62	52	-	-
61	48	9	4
	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 31	m.

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; 6/8 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.

10