M.O. Form 2373

DUPLICATE

THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June

1939

METEOROLOGICAL OFFICE
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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, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

Till the end of December, 1937, the chart could be divided into the following three sectors as regards hour of observation.

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W.	6h. or 7h. G.M.T. (Azores 8h.).
40° W. to 170° W.	oh. or 1h G.M.T.

From January 1st, 1938, these have been reduced to the two sectors :—

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.).	1h. local time.
30° E. to 170° W.	oh. or 1h. G.M.T.

The improvement in the charts effected by this change is most marked over mid-Atlantic. Previously a difference of six hours had existed between observations from ships on opposite sides of the lines of longitude 40° W.

The gain in one respect has meant a sacrifice in another. The network of land stations in Europe and Africa making observations at 1h. is not so close as that of stations observing at 7h. This is particularly notable in Scandinavia, the Balkans and North Africa.

In the case of Iceland entries of weather, temperature and wind do not now appear on the chart, but pressure values at 1h. G.M.T. are available and are used in drawing the isobars.

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. 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 the issue for " yesterday " is published immediately prior to the issue of the British Section for " to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and 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.

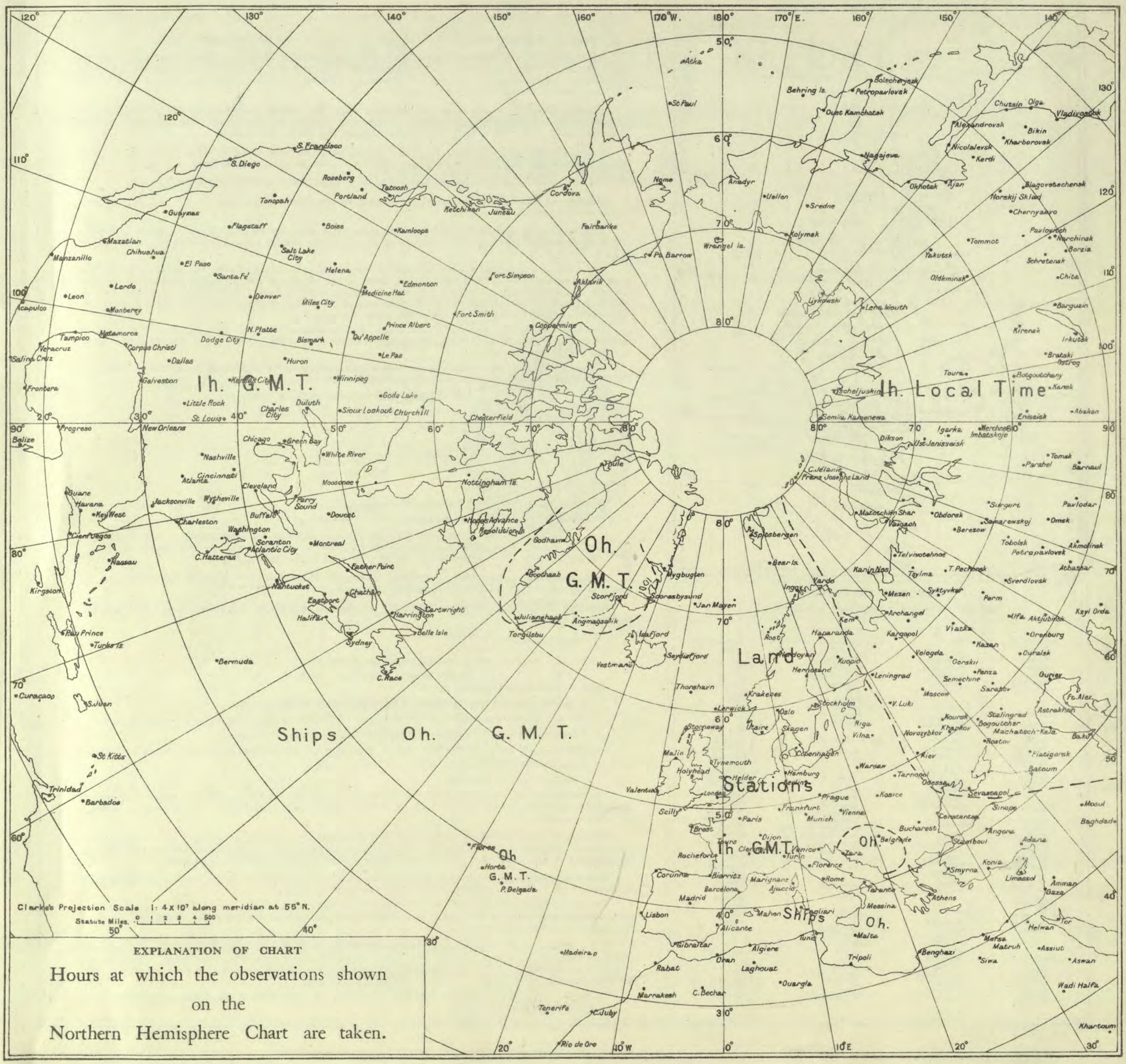
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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.



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

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.

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where rain gauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

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.

Point of Ayre.—The first observations are made at 0030 G.M.T. instead of at 0100 G.M.T.

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 1,500–2,000 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 temperature 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.

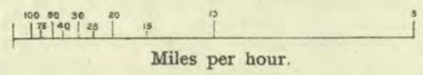
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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;

For air temperatures below 32° F. the value of F used is that appropriate to an ice surface.

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

For wet bulb temperatures below 32° F. the value of f used is that appropriate to an ice surface.

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19 : 25, between 20 and 29;.....and so on; 92, between 90 and 94; 97 between 95 and 100.

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. Each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

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.

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, York House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1938.)

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

H.M.S.O. Press, Cornwall House, S.E.1.

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DUPLICATE

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, MAY, 1939. No. 289

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Dry. Mainly cool first 3 weeks. Then fine and warm.

An anticyclone to north of Scotland gave cold north to northeast winds over the whole country in the opening days of the month, and in the south of England it was also rainy. 1 inch fell at Bath on the 1st and almost ½ inch at Whitstable and Ramsgate on 2nd. By the 4th however a deep depression on the Atlantic caused a change of pressure type, and warmer southwesterly winds spread to all districts. Cool conditions, however, became re-established by the 11th and low pressure on the Continent with an anticyclone persisting to west of Ireland caused another spell of northeast winds. During this period, there were local gales and some heavy falls of rain in East and Southeast England(27 mm. (1.06 ins.) at Shoeburyness and 24 mm. (.95 ins.) at Croydon on 15th). It was not until 22nd that conditions became more seasonable and apart from a temporary break in Scotland on the 26th, weather was mainly warm and sunny throughout the last week, resulting in a Whitsun weekend of exceptional brilliance.

In East and Southeast England temperature was a little below the monthly normal. At Kew Observatory day maxima were low on 16 out of the first 21 days, but this was partially offset by the complete absence of screen frosts there and by the higher temperatures at the end of the month. Elsewhere however, monthly values were above normal, owing to the warm spell in the last week. Outstanding among many high temperatures in this period was a reading of 80°F. at Forres on the 30th, while a day temperature of 72°F. at Dalwhinnie on 30th was followed by a night minimum of 33°F. in the screen and 20°F. on the grass.

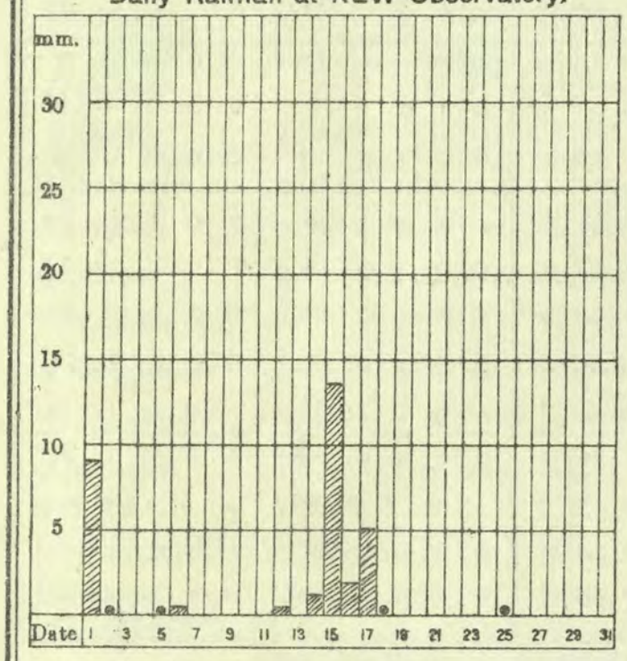
There was a small sunshine deficiency near the east coast but over the country as a whole there was an excess, particularly in Ireland, Wales and Southwest England. The shortage in the first part of the month was nullified in the last week when 15 hours per day were not uncommon. In the last 10 days Torquay enjoyed 132 hours sun.

Apart from the extreme southeast of England the month was dry, many places having less than an inch. At Renfrew and Aldergrove it was the driest May on record. At the end of the month only one more dry day was required in the South to establish an official drought.

There were local thunderstorms between 5th and 18th. A man was killed during a storm in Edinburgh on the 7th.

Fog, both inland and coastal, occurred frequently in the first fortnight and again in the anticyclonic spell at the end of the month.

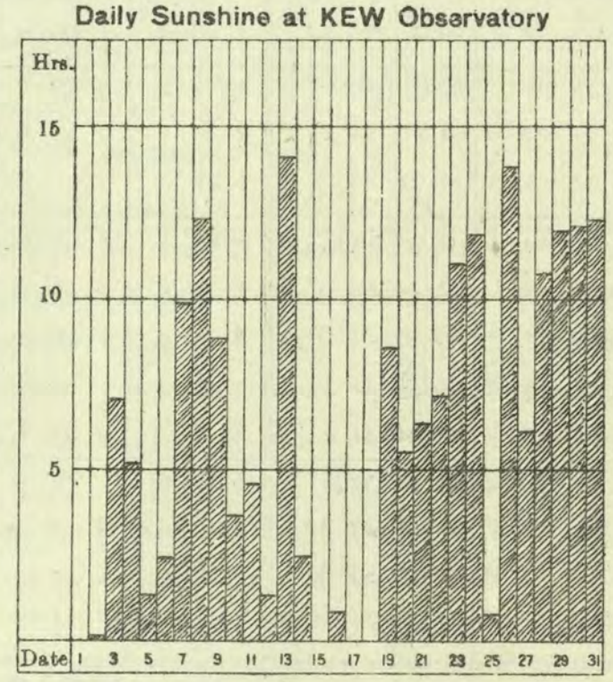
Daily Rainfall at KEW Observatory.



● = Less than 0·5 mm.

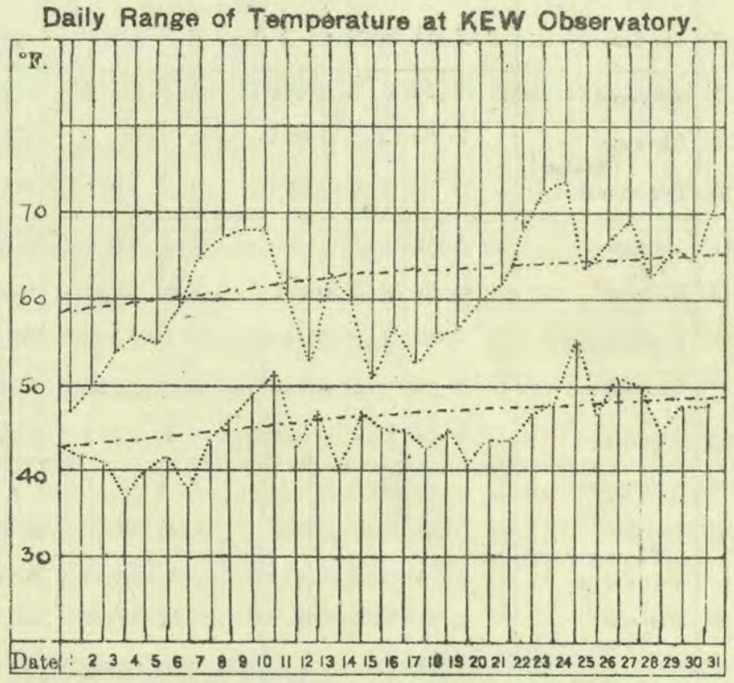
RAINFALL. Total for Month. 33 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 194 hrs.

Daily Range of Temperature at KEW Observatory.



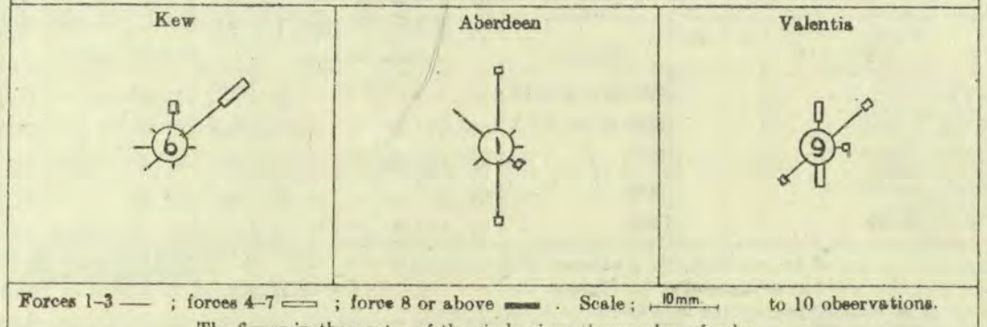
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb.	mb.	°F.	°F.
Kew	1018·1	+2·2	53·2	−1·3
Aberdeen	1019.9	+4·9	49·4	+1·3
Valentia	1020·0	+4·7	53·5	+1·7

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. duly corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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 ...	5,848
Aberdeen ...	5,907
Lerwick ...	11,384
Valentia ...	7,316

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 42° - 50°	51° - 59°	60° - 68°	69° - 77°	78° - 86°	Average Maximum. °F.	Minimum. 24° - 32°	33° - 41°	42° - 50°	51° - 59°	Average Minimum. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	2	10	15	4	0	62.5	0	6	22	3	46.6	74	24	47	1	56	25	37	4	3	0	20	1	2	25	1	0	25	2	0	0	0	2	4	0	0	0	0	9
	Croydon ...	2	9	14	6	0	61.7	0	8	21	2	45.3	76	24	46	1	52	11	38	7	1	5	13	2	1	26	2	1	22	3	0	0	2	2	11	0	0	0	2	18
	Calshot** ... (Southampton)	1	12	11	7	0	60.1	0	1	29	1	46.7	75	27	48	1	53	25	39	8	0	5	15	1	4	25	0	1	19	4	0	2	0	0	11	0	0	0	0	24
	Lympne ...	4	19	6	2	0	58.5	0	4	27	0	44.5	71	27	46	2	50	25	33	4	2	5	12	2	1	27	1	3	14	0	0	0	0	3	17	0	0	0	0	25
2	Shoeburyness ...	2	15	12	2	0	60.7	1	4	25	1	44.5	72	27	47	1	51	27	32	4	1	3	13	3	3	22	1	2	16	1	0	0	1	0	16	0	0	0	0	24
	Gorleston ...	4	25	2	0	0	56.8	0	2	28	1	45.8	63	27	47	1, 2, 4	51	24	38	4	0	0	22	0	0	23	0	0	20	0	0	0	0	0	6	0	0	0	0	12
	Cranwell ...	5	11	10	5	0	60.2	1	12	17	1	42.4	74	24	48	2	53	25	31	4	2	9	14	1	4	27	0	2	20	2	0	0	3	1	7	0	0	0	0	19
3	Birmingham ... (Edgbaston)	4	11	11	5	0	58.7	0	6	22	3	44.1	73	24	47	2	54	10	38	2	1	9	14	0	1	25	0	2	25	0	0	0	4	4	4	0	0	0	0	16
4	Ross-on-Wye ...	2	11	10	8	0	60.9	0	7	21	3	44.4	74	24	45	1	53	9	38	6, 7	2	8	17	1	1	28	0	3	24	0	0	0	1	0	13	0	0	0	0	22
5	The Lizard ...	2	13	16	0	0	*	0	2	24	5	*	68	25, 27	48	1	53	26, 31	40	1	*	3	26	0	1	30	0	1	29	0	0	0	3	0	28	0	1	0	0	29
7	Holyhead ...	1	22	8	0	0	54.8	0	1	26	4	46.5	67	29	48	2	52	27, 31	41	2	0	9	17	1	5	22	1	4	20	0	0	0	1	1	28	0	0	0	0	31
8	Chester ... (Sealand)	2	13	13	3	0	59.6	0	8	21	2	43.5	77	31	49	17	54	27	34	2	2	2	21	1	0	27	0	2	21	1	0	1	0	1	5	0	0	0	0	15
10	Tynemouth ...	15	10	4	2	0	53.9	0	2	26	3	44.1	73	23	46	1, 2	56	27	35	3	1	3	28	0	1	30	0	2	29	0	0	0	1	5	14	0	0	0	0	16
11	Leuchars ...	3	16	10	2	0	55.4	0	9	22	0	41.3	77	30	49	2, 6	49	10	33	3, 4	5	3	25	1	3	27	0	4	22	0	0	0	1	1	25	0	0	1	0	24
12	Renfrew ...	0	16	12	3	0	57.6	1	11	18	1	41.6	74	30	52	1	53	24	30	3	5	1	23	2	0	30	0	0	27	2	0	0	3	0	13	0	0	0	0	23
	Eskdalemuir ...	2	16	11	2	0	55.4	2	16	13	0	38.7	73	30	48	5	50	27	31	3	4	8	20	1	3	28	0	1	29	0	0	0	1	0	26	0	0	0	0	29
13B	Stornoway	4	26	1	0	0	52.8	0	3	28	0	42.2	66	30	49	1, 12, 18	50	10, 23, 29	35	20	*	1	29	1	0	31	0	0	30	1	0	0	0	0	26	0	0	0	0	28
15	Aberdeen ..	8	15	8	0	0	53.9	1	6	22	2	42.2	68	24, 30	45	6	54	24	32	20	0	6	15	1	5	23	1	6	23	1	0	0	0	1	16	0	0	0	1	16
18	Aldergrove ...	1	15	12	3	0	*	2	8	19	2	*	77	30	50	2	55	24	32	2, 3	2	6	18	0	1	28	1	1	28	0	0	0	2	0	24	0	0	0	0	30
19	Dublin ... (Phœnix Park)	1	13	14	3	0	58.7	1	11	18	1	42.2	70	23, 30	49	2	54	27	27	3	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	13	15	3	0	58.9	0	10	19	2	43.2	77	30	52	4	55	27	33	3	5	1	24	0	3	28	0	2	24	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ... (Cahirciveen)	0	20	8	2	1	56.9	0	5	17	9	46.7	78	31	54	4	55	23	37	2	0	9	16	0	8	21	1	3	25	2	0	0	0	0	24	0	0	0	0	25

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Mildenhall. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1,830	47.5	47.9	44	47.3	49		
850	4,810	36.9	39.0	44	40.2	49		
750	8,090	26.9	30.7	44	33.0	49		
650	11,770	18.7	20.5	44	22.1	49		
550	18,950	2.9	5.5	44	8.1	49		

UPPER WINDS.

No. of records of Velocity (km./hr.) within fixed limits.

Station Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Holyhead. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Station. Height. Metres.
500 above ground.	139	72	45	10	0	0	69	31	29	2	0	0	76	31	37	4	0	0	80	43	36	1	0	0	500 above ground
1000 above M.S.L.	109	61	32	9	1	0	53	32	18	1	0	0	65	26	29	4	0	0	67	32	29	6	0	0	1000 above M.S.L.
2000 " "	63	36	23	1	0	0	17	6	9	0	0	0	32	17	10	3	0	0	33	19	11	3	0	0	2000 " "
3000 " "	34	21	11	1	0	0	14	5	4	1	0	0	18	8	9	1	0	0	17	9	8	0	0	0	3000 " "
4000 " "	18	14	4	0	0	0	5	2	2	0	0	0	8	7	1	0	0	0	7	2	3	1	0	0	4000 " "

† The readings and averages 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 readings and averages for Phœnix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).

* Winds of 0—5 km./hr. are included in the number of observations.

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

N. K. JOHNSON D.Sc., A.R.C.S, Director.

SUNSHINE, RAINFALL, AND HUMIDITY ..... MAY 1939.

District.	Stations.	Sunshine: Number of Days with Duration: Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month: First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	Rainfall: ‡ Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month: First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	4	7	4	6	10	14.2	13	1471	+2	194	-4	1880	315	'09	114	'32	23	3	3	2	0	0	14	15	599	-7	33	-11	1856	106	'56	4	'96	1	0
	Croydon ...	5	3	6	7	10	13.7	26	1473	-52	199	+8	1922	286	'22	115	'32	24	3	1	2	1	0	24	15	773	+94	48	+1	1921	103	'32	11	'36	0	0
	Calshot** ... (Southampton)	1	7	7	3	13	14.7	31	1638	-108	230	+16	1881	327	'09	109	'32	23	3	4	1	0	0	8	15	625	-21	18	-27	1871	137	'32	8	'95	0	0
	Lympne ...	2	3	3	5	18	14.3	24	1763	-2	267	+42	1921	311	'22	154	'32	22	5	3	1	0	0	13	15	761	+37	25	-15	1920	108	'30	14	'36	1	0
2	Shoeburyness ...	3	4	3	7	14	14.4	13	1667	-49	241	+17	1919	290	'22	146	'32	26	1	2	1	0	1	27	15	535	+32	46	+13	1920	79	'24	9	'36	0	0
	Gorleston ...	2	8	5	5	11	14.8	23	1582	-61	210	-13	1908	304	'19	127	'32	23	5	2	1	0	0	11	14	589	-33	18	-26	1871	99	'24	9	'17	0	0
	Cranwell ...	5	5	4	11	6	14.2	23, 26	1434	-104	179	-10	1921	291	'22	99	'32	25	1	2	3	0	0	9	16	646	+56	26	-20	1917	117	'32	13	'34	0	0
3	Birmingham ... (Edgbaston)	5	8	4	7	7	14.6	31	1229	-75	171	0	1887	252	'09	83	'32	23	3	3	2	0	0	8	16	832	+158	28	-26	1893	173	'32	5	'96	0	0
4	Ross-on-Wye ...	3	6	7	4	11	15.3	31	1399	-86	194	+8	1915	246	'22	104	'32	23	3	5	0	0	0	4	16	726	+9	18	-36	1859	139	'86	5	'96	0	0
5	Falmouth ... (Observatory)	2	6	6	2	15	14.9	30, 31	1613	-97	240	+33	1881	336	'96	152	'25	21	6	2	2	0	0	9	5	1102	-5	24	-32	1871	142	'78	1	'96	0	0
7	Holyhead ..	2	5	5	5	14	14.8	25	1508	-42	236	+34	1914	267	'29	154	'20	27	1	2	1	0	0	9	16	1099	+212	17	-33	1871	121	'24	6	'95	0	0
8	Chester ... (Sealand)	2	8	6	5	10	14.4	31	1363	-13	189	+23	1923	242	'29	109	'32	22	2	4	3	0	0	14	14	815	+154	42	-5	1922	114	'24	9	'22	1	0
10	Tynemouth ...	1	5	8	9	8	14.4	23, 30	1385	*	201	*	1935	*	*	*	*	21	3	5	2	0	0	6	5, 16	683	+62	27	-24	1915	151	'24	15	'29	1	0
11	Leuchars ...	1	12	6	4	8	15.2	30	1401	-69	168	-9	1922	225	'35	119	'33	20	4	5	2	0	0	10	14	784	+131	33	-17	1922	109	'38	21	'22	0	0
12	Renfrew ...	3	12	3	6	7	14.0	30	1241	+48	167	+5	1921	195	'29	106	'25	22	2	4	3	0	0	12	14	1260	+321	34	-26	1921	156	'25	37	'37	2	0
	Eskdalemuir ...	1	12	6	7	5	15.1	31	1104	-97	156	-5	1910	223	'19	102	'24	19	7	2	3	0	0	10	13	2000	+571	31	-53	1910	236	'25	15	'36	1	0
13B	Stornoway .	6	6	6	3	10	13.8	29	1245	-30	175	-4	1881	279	'82	134	'20	17	7	5	2	0	0	6	23	1345	+79	31	-34	1870	132	'20	15	'90	0	0
15	Aberdeen ...	3	5	13	7	3	15.2	30	1348	+19	160	-10	1881	249	'81	105	'27	21	3	5	2	0	0	8	6	827	+79	29	-30	1871	124	'06	16	'76	1	0
18	Aldergrove ...	1	9	7	5	9	15.3	31	1230	*	185	*	1927	234	'27	116	'33	21	3	6	1	0	0	5	4	1017	+179	21	-37	1926	90	'31	24	'37	0	0
19	Dublin ... (Phœnix Park)	1	9	5	9	7	14.3	22, 30	1242	-195	194	+14	1881	261	'82	114	'25	23	4	3	1	0	0	7	6	810	+108	17	-36	1865	141	'25	7	'95	0	0
	Birr Castle ...	3	10	2	6	10	13.6	29	1165	-141	189	+20	1881	268	'01	107	'25	16	6	8	1	0	0	7	8	1129	+302	34	-22	1862	126	'16	9	'96	0	0
20	Valentia ... (Cahirciveen)	2	7	2	5	15	15.0	30	1312	-56	255	+71	1880	296	'96	139	'14	18	3	8	1	1	0	19	4	1587	+173	45	-36	1866	168	'13	6	'96	1	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	1	2	3	11	9	3	2	0
Ross-on-Wye ...	0	0	0	3	4	13	8	3	0	0
Falmouth (Obsy.)	0	2	5	10	13	1	0	0	0	0
Renfrew ...	0	0	1	4	7	12	6	1	0	0
Eskdalemuir ...	0	0	0	3	7	10	9	2	0	0
Aberdeen ...	0	2	2	6	13	7	1	0	0	0
Valentia ...	0	1	5	4	11	7	2	1	0	0

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	16	15	0	0	0	0	0	0	0	0
Ross-on-Wye	17	14	0	0	0	0	0	0	0	0
Renfrew ...	24	7	0	0	0	0	0	0	0	0
Eskdalemuir	9	22	0	0	0	0	0	0	0	0
Aberdeen ...	20	11	0	0	0	0	0	0	0	0
Valentia ...	20	11	0	0	0	0	0	0	0	0

CODE for State of Ground.

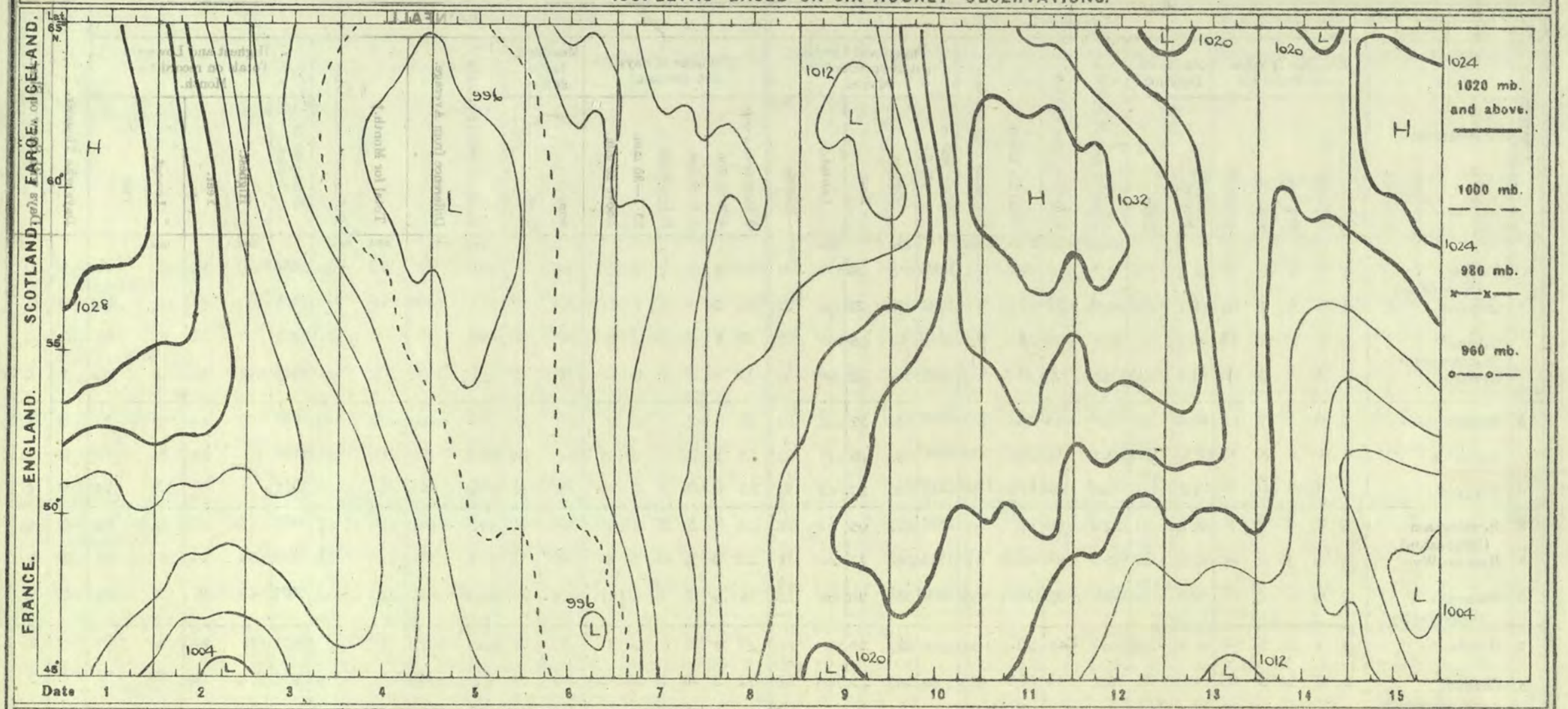
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow, greater than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

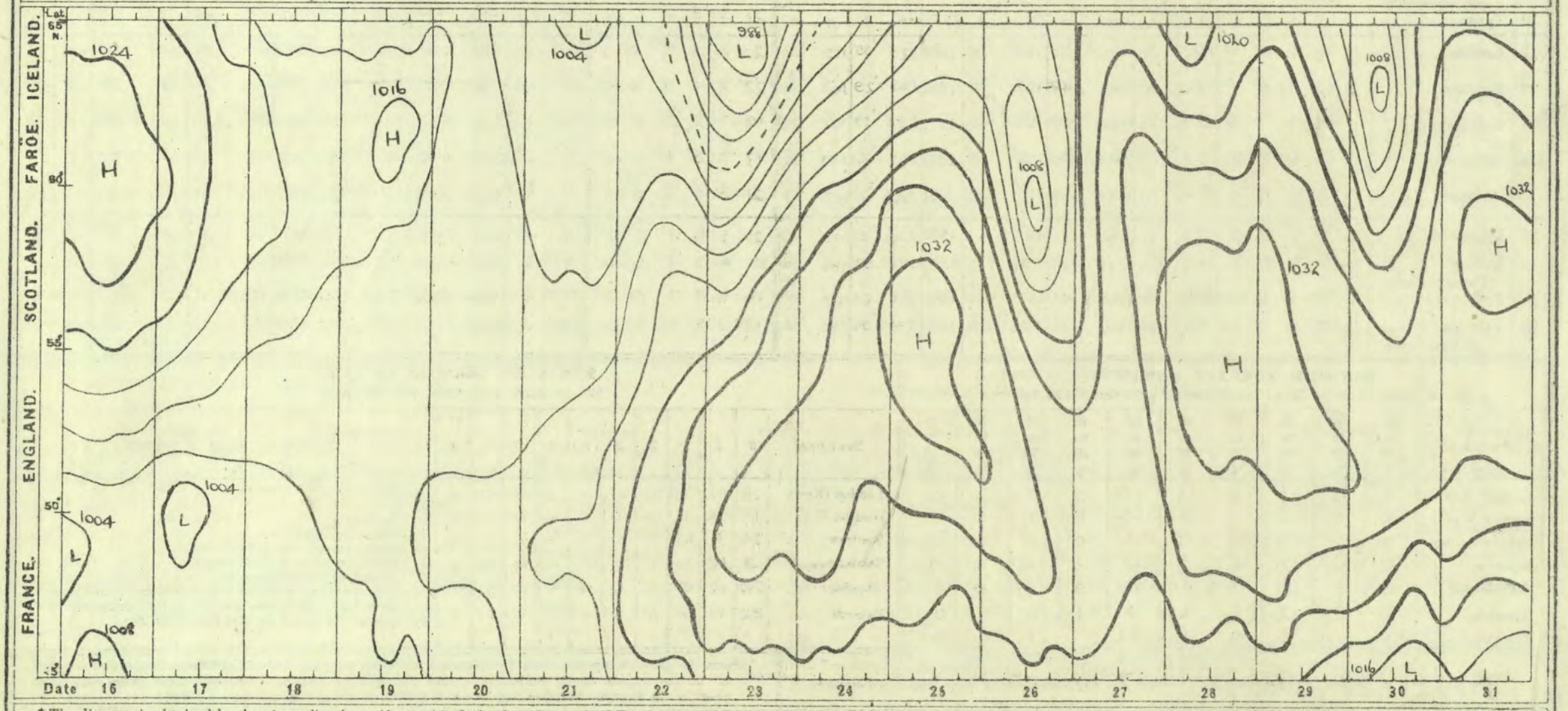
**The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

‡ 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.

PRESSURE: ICELAND TO GULF OF LIONS ..... MAY ..... 1939.

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.

H.M.S.O. Press, Cornwall House, S.E.1

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 1st May, 1939.

No. 28284.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1014.9	-6	NE	3	roro	44	92	5	6	2	-	9	10	800
	Croydon ...	1015.5	-6	NE	3	rF	44	97	3	6	2	-	9	10	450
	S. Farnborough	1015.3	-6	NNE	3	rr	43	85	6	6	2	-	7-8	10	1500
	Boscombe Down	1016.1	+8	NEN	4	rr	43	92	6	6	2	-	4-6	10	450
	Calshot (Soton.)	1015.3	-8	N	3	roro	46	92	6	9	2	-	9+	10	800
	Lympne ...	1013.9	-10	NE	3	iro	45	92	6	6	2	-	9	10	450
	Manston ...	1013.0	-12	NE	4	dodo	45	97	5	6	2	-	9	10	450
2	Shoeburyness ...	1014.2	-10	NNE	4	roro	45	97	6	-	2	-	10	10	450
	Felixstowe ...	1014.1	-12	NEN	5	dd	45	92	5	6	2	-	7-8	10	450
	Gorleston ...	1014.4	-12	NNE	5	ir	45	92	5	6	-	-	10	10	1500
	Mildenhall ...	1015.6	-10	NNE	4	ido	44	92	6	6	2	-	9+	10	800
	Cranwell ...	1018.8	-6	NE	5	c	45	75	7	5	7	-	4-6	10	4000
3	Birmingham ...	1017.7	-12	NNE	4	c	46	55	6	5	2	-	7-8	10	1500
	Upper Heyford	1017.2	-8	NE	4	c/d	43	85	6	6	-	-	10	10	450
4	Ross-on-Wye ...	1017.8	-12	NE	3	c/r	44	75	6	6	2	-	2-3	10	1500
5	Hartland Point	1017.6	0	NNE	5	ir	41	97	7	6	2	-	9+	10	1500
	Bristol ...	1017.7	-10	NNE	3	iR	43	92	6	6	2	-	7-8	10	450
	Portland Bill ...	1015.7	-6	NNE	4	c	45	85	7	5	7	-	7-8	10	2500
	Plymouth ...	1017.0	-6	NE	4	c	44	75	8	5	1	—	9	10	1500
	The Lizard ...	1017.6	-8	NE	3	c	46	75	8	8	6	-	7-8	9+	1500
	Scilly (St. Mary's)	1018.3	-8	NEN	4	c	46	92	8	8	-	-	10	10	1500
	Guernsey ...	1015.0	-6	NNW	1	roro	45	92	7	8	-	-	10	10	1500
6	Pembroke ...	1020.3	-4	NEE	5	rr	42	85	7	8	-	-	10	10	1500
7	Holyhead ...	1021.7	-10	NE	6	c	48	75	8	-	4	8	0	7-8	-
	Chester (Sealand)	1020.5	-14	NNE	4	c	53	45	7	5	3	-	7-8	9+	5700
8	Manchester ...	1020.0	-12	NEE	5	c	58	35	7	5	7	-	2-3	9	5700
10	Spurn Head ...	1018.1	-8	NNE	7	cq	46	75	7	5	2	-	7-8	10	1500
	Catterick ...	1022.6	-10	NNE	6	bc	50	55	8	1	9	9	Tr	4-6	2500
	Tynemouth ...	1023.9	-10	NE	6	bc	45	75	8	2	3	1	2-3	4-6	2500
11	St. Abbs Head...	1026.7	-8	NNE	4	c	44	75	8	2	6	1	4-6	7-8	2500
	Leuchars ...	1027.1	-10	E	4	bc	49	75	8	1	-	2	1	4-6	5700
12	Renfrew (AbbotsI.)	1026.0	-20	ES	3	bc	56	45	9	-	-	6	0	4-6	-
	Eskdalemuir ...	1024.2	-12	NEN	6	c	49	45	8	1	-	8	2-3	10	2500
	Point of Ayre ...	1024.2	-12	NEE	5	bc	53	65	8	-	5	9	0	2-3	-
13A	Tiree ...	1028.2	-8	N	3	bc	52	75	8	4	5	1	Tr	2-3	4000
13B	Stornoway ...	1029.8	-12	ENE	4	b	48	65	8	1	-	-	1	1	4000
15	Dalwhinnie ...	1027.1	-12	NE	4	bc	51	45	8	-	4	2	0	2-3	-
	Aberdeen ...	1027.7	-12	NEE	4	bc	48	65	8	7	-	1	4-6	4-6	2500
	Wick ...	1028.8	-12	NE	3	c	46	65	9	5	7	-	7-8	9	2500
16	Lerwick...	1028.1	-10	NE	3	c/pr	46	85	8	8	7	-	4-6	9	1500
17	Blacksod Point...	1026.7	-10	NE	4	bc	54	65	8	-	4	3	0	4-6	-
18	Malin Head ...	1027.8	-4	N	3	bc	50	75	8	7	-	4	2-3	4-6	5700
	Aldergrove ...	1025.4	-18	ENE	4	c	53	35	9	-	-	3	0	9	-
19	Birr Castle ...	1023.8	-12	NNE	1	c	49	65	8	5	1	-	7-8	10	2500
20	Valentia Obsy.†	1024.7	-10	NE	4	c	50	45	8	8	[illegible]	-	4-6	9+	4000
	Roches Point ...	1023.4	-12	NE	3	iro	45	92	8	6	2	-	7-8	10	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	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)	1013.6	-6	NE	3	dodo	44	92	5	6	2	-	7-8	10	800	1	*
Croydon	1013.5	-10	NE	3	rF	44	97	3	6	2	-	9+	10	450	1	*
S. Farnborough	1013.8	-6	NNE	3	rr	43	92	6	6	2	-	10	10	800	1	*
Boscombe Down	1014.8	-4	NNE	3	rr	42	97	5	6	2	-	9	10	450	0	*
Calshot (Soton.)	1014.4	-2	NW	2	rr	44	97	6	6	2	-	10	10	800	1	§1
Lympne	1013.2	-2	NE	3	rr	44	92	6	6	2	-	9	10	450	1	1
Manston	1012.1	-8	NE	4	roro	45	97	5	6	2	-	9	10	450	1	*
Shoeburyness	1013.1	-8	NNE	2	roro	45	97	6	-	2	-	10	10	450	1	*
Felixstowe	1013.0	-6	NNE	4	roro	45	92	6	6	2	-	7-8	10	800	1	2
Gorleston	1013.6	-2	NNE	6	c/ro	46	92	6	6	-	-	10	10	1500	1	4
Mildenhall	1014.0	-2	NE	4	ido	44	85	6	6	2	-	7-8	10	800	1	*
Cranwell	1017.6	-4	N	5	roro	43	85	6	5	7	[illegible]	Tr	10	4000	1	*
Birmingham	1017.5	-6	NNE	4	o/r	44	75	6	5	-	-	10	10	1500	1	*
Upper Heyford	1015.6	-16	NEN	4	rr	42	92	6	6	-	-	10	10	450	1	*
Ross-on-Wye	1016.4	-6	N	3	roro	43	85	6	6	-	-	10	10	1500	1	*
Hartland Point	1016.6	0	NNE	4	c/r	42	92	7	6	2	-	4-6	10	1500	1	3*
Bristol	1016.6	-8	NNE	3	rr	41	97	5	6	2	-	9	10	450	1	
Portland Bill	1014.5	-8	N	3	rr	44	92	7	5	-	-	10	10	1500	1	3
Plymouth	1015.9	-2	NE	3	roro	44	85	6	6	2	-	4-6	10	1500	1	1
The Lizard	1016.2	-8	NE	2	c	45	85	7	8	2	-	9	10	1500	0	2
Scilly (St. Mary's)	1017.3	-6	NNE	5	c	44	92	7	8	2	-	7-8	10	1500	1	3
Guernsey	1014.1	-4	N	1	iro	45	85	7	8	[illegible]	[illegible]	10	10	1500	1	1
Pembroke	1018.3	-10	NEN	4	c	47	85	7	8	2	-	7-8	10	1500	1	1
Holyhead	1020.1	-6	NE	5	o	48	75	8	5	4	8	4-6	9+	4000	0	3*
Chester (Sealand)	1019.7	-2	NE	3	c	49	45	7	5	3	-	7-8	9+	4000	1	*
Manchester	1019.2	-2	NEN	5	bc	47	55	7	7	9	-	4-6	4-6	5700	0	
Spurn Head	1017.3	-2	NNE	7	cq	45	86	7	5	2	-	7-8	10	1500	1	4*
Catterick	1022.4	0	NNE	6	c	44	75	8	4	-	2	7-8	9	2500	1	
Tynemouth	1023.2	-4	NE	5	c	45	75	8	2	-	-	7-8	7-8	1500	0	3
St. Abbs Head	1025.8	-6	NNE	4	c	43	65	9	5	6	-	7-8	9+	1500	0	3
Leuchars	1025.8	-4	NE	4	bc	46	75	8	5	-	2	Tr	4-6	2500	0	*
Renfrew (AbbotsI.)	1025.0	-2	EN	3	c	49	65	7	5	7	9	2-3	7-8	4000	0	*
Eskdalemuir	1023.3	-2	NEN	5	bc	48	45	8	1	-	2	Tr	2-3	1500	1	*
Point of Ayre	1022.4	-6	ENE	4	bc	50	65	8	-	4	6	0	4-6	-	0	3
Tiree	1025.4	-12	N	4	bc	48	75	8	5	3	-	2-3	4-6	4000	0	3
Stornoway	1028.5	-2	NE	4	bc	47	65	9	1	7	-	4-6	4-6	4000	0	2
Dalwhinnie	1026.5	0	NE	5	bc	50	45	8	-	-	9	0	4-6	-	0	*
Aberdeen	1026.5	-2	N	4	c	46	65	7	5	-	-	9	9	2500	0	2
Wick	1027.3	-6	N	3	c	45	85	9	5	1	8	7-8	9+	1500	0	1
Lerwick	1027.3	0	NE	4	c	45	85	8	8	7	-	4-6	7-8	1500	0	*
Blacksod Point	1025.0	-12	NE	4	bc	51	75	8	-	-	4	0	4-6	-	0	4
Malin Head	1025.4	-12	N	4	c	49	65	8	-	-	7	0	7-8	-	0	3*
Aldergrove	1023.6	-10	ENE	3	bc	52	45	8	-	-	3	0	2-3	-	1	*
Birr Castle	1022.4	-12	NNE	2	bc	54	45	7	5	4	8	2-3	4-6	2500	0	*
Valentia Obsy.†	1023.2	-14	NW	3	c	50	75	8	5	3	-	2-3	9	4000	0	1
Roches Point	1021.3	-14	W	3	bc	47	85	8	-	4	5	0	4-6	-	1	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 30th (37)	Weather 13h.—18h. 30th (38)	Weather 18h. 30th to 1h. 1st (39)	Weather 1h.—7h. 1st (40)
London (Kew)	crrom	cirrddo	cdordodomo	cdordodomo
Croydon	crrmfmr	crrFrodom	rorofddmrr	rorododo
S. Farnborough	roRerr	roroRr	crroro	rorordodoc
Boscombe Down	crrRRrr	crrRRrr	croro	cdodororo
Calshot (Soton.)	crorom	cRRrrm	crriR	crorocmo
Lympne	ororodmo	oRrrmo	orrdodomo	odorofc
Manston	ororomo	ddmro	rorordor	ododomo
Shoeburyness	crrrmo	ororom	roromoo	ddmo
Felixstowe	oddmmrd	oddmrr	ororomo	orrmododo
Gorleston	oroiro	oicrr	oproq	cpro
Mildenhall	cddrrm	cddrrm	idocmoiro	rciroccir o
Cranwell	c	crorom	croro	cmoc
Birmingham	proc	cphro	prcro	coiro
Upper Heyford	cRRrorrm	cmidrriR	crriR	ciRiroiRir
Ross-on-Wye	rrroor	coco	roroor	iroo
Hartland Point	iroc	iroroc	crr	crr
Bristol	cRRR	cRRrr	RRrr	crorRR
Portland Bill	cir	orr	orr	orr
Plymouth	c	cirrorom	ciroc	c
The Lizard	c	c	crr	rrprc
Scilly (St. Mary's)	cpoc	c	croro	iroroo
Guernsey	ciro	ciro	ciro	oriro
Pembroke	crrqo	orrirc	crr	crr
Holyhead	iroc	c	cb ⊕	b,c
Chester (Sealand)	czoy	cy	cy	czo
Manchester	cy	cybcy	bcybc	bcc
Spurn Head	cq	cqpro	cqpro	cqpro
Catterick	vcbcy	ybcc	coomo	pmdodoo
Tynemouth	cbc	bcc	coiroo	oiroc
St. Abbs Head	bcc	c	ciro	ciroc
Leuchars	bc	bc	bcc	c
Renfrew (AbbotsI.)	bcvy	bcvcyc	c	cbc
Eskdalemuir	cbcy	bcby	bccido	cdo
Point of Ayre	cbc	bc	bcc	c
Tiree	bc	bc	bc	bc
Stornoway	b	bbc	bcc	c
Dalwhinnie	bc	bc	•	bciD
Aberdeen	bc	bcc	cdoc	crocido
Wick	bbcc	c	c	codoc
Lerwick	cpro	cpro	c	c
Blacksod Point	bc	bc	bc	bc
Malin Head	cbcb	bcc	bc	bc
Aldergrove	cybccy	cybcy	bcyc	c
Birr Castle	c	cbc	bc	bccx
Valentia Obsy.†	bbccy	c	cbcb	bbcc
Roches Point	ciro	crrbc	bc	bcc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. ◍ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

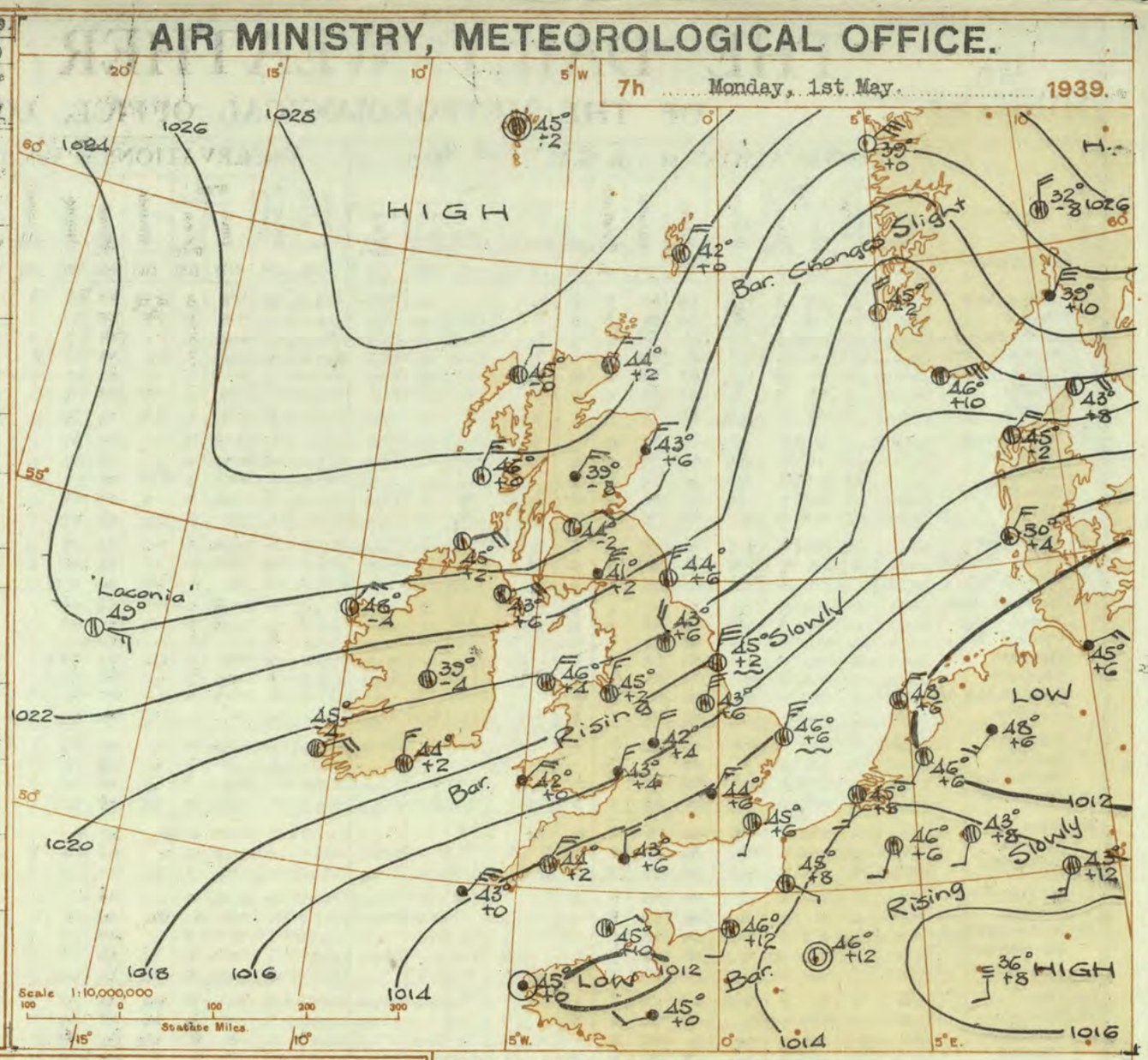
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 30th April 1939

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 29th to 9h. 30th	Temperature. (°F) Max. 9h.—17h. 30th	Rainfall. (mm.) Night. 17h. 29th to 9h. 30th	Rainfall. (mm.) Day. 9h.—17h. 30th	Sunshine. (Hrs.) Sunrise to 17h. 30th	Sunshine. (Hrs.) Sunrise to Sunset 29th
1	Tunbridge W.	oro	oro	39	44	9	5	0.0	3.6
	Bournemouth	orr	r	40	45	1	3	0.0	6.3
	Ventnor ...	orou	rm	40	46	1	5	0.0	5.3
	Southsea ...	or	or	41	48	1	5	0.0	6.1
	Bognor Regis	rr	rr	41	47	0.3	9	0.0	4.8
	Littlehampton	er	er	41	47	1	8	0.0	5.3
	Worthing ...	orr	orr	41	47	2	7	0.0	4.8
	Brighton ...	crr	crr	41	47	3	8	0.0	4.7
	Eastbourne† ...	rrr	rrr	41	48	2	9	0.0	4.8
	Hastings† ...	orrd	orr	40	47	6	9	0.0	4.9
	Folkestone ...	orr	orrm	41	48	9	4	0.0	3.3
	Dover ...	oro	or	43	48	9	5	0.0	2.8
	Deal	dd	dd	43	48	5	2	0.0	2.2
	Ramsgate ...	r	r	42	46	8	3	0.0	2.1
	Margate ...	erd	ed	43	46	6	3	0.0	2.1
2	Southend ...	orr	orr	41	45	10	5	0.0	2.6
	Clacton-on-Sea	odrd	odr	41	45	15	8	0.0	2.3
	Dovercourt ...	roc	roc	40	47	10	7	0.0	1.6
	Lowestoft ...	oir	oir	41	44	13	5	0.0	0.7
	Skegness ...	oco	oro	41	47	9	*	0.0	2.2
	Mablethorpe...	o	o	43	47	8	-	0.0	1.6
	Cleethorpes ...	c	o	43	46	3	-	0.0	2.8
3	Leamington S.	oir	oir	39	47	6	1	0.0	2.7
4	Cheltenham†	orr	oir	37	44	11	4	0.0	5.2
5	Bath	rr	rrc	39	44	3	10	0.0	5.8
	Weymouth ...	o	ir	40	46	1	1	0.0	7.8
	Jersey ...	rco	cdc	43	49	3	0.3	0.0	8.9
	Torquay ...	o	oirp	38	45	3	0.1	0.0	6.8
	Falmouth ...	coq	o	41	46	0.2	-	0.5	8.1
	Penzance ...	c	c	42	47	1	-	0.0	3.6
	St. Ives ...								
	Bude... ...	c	r	41	46	1	1	0.0	10.2
	Ilfracombe ...	poc	orr	41	*	1	7	0.0	6.6
6	Aberystwyth	prc	c	39	53	0.3	-	0.0	7.9
7	Llandudno ...	cbc	bac	39	52	4	-	1.9	6.7
	Colwyn Bay...	bcc	bcc	38	53	3	-	1.7	5.2
	Rhyl	c	c	38	54	4	-	0.5	3.0
8	Wallasey ...	cbcc	c	39	54	2	-	0.9	4.0
	Southport ...	bc	bco	42	57	-	-	0.1	6.4
	Blackpool ...	cbc	bcc	44	57	-	-	2.9	4.1
	Morecambe ...	cbc	bcc	43	55	-	-	4.9	7.3
9	Ilkley... ...	bc	bc	42	53	0.1	-	4.3	5.2
	Harrogate ...	bcoq	cbcq	42	52	-	-	3.6	4.2
10	Berwick-on-T.	bc	bcc	42	48	-	-	8.6	11.4
11	Dunbar ...	bem	bc	41	46	-	-	10.3	10.6
12	Troon... ...	ocb	bcc	35	55	-	-	7.1	4.1
	Douglas ...	bc	bc	42	53	-	-	8.0	7.5

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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. 1st May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	♠ Wind northeast, fresh to strong locally at first on the coast; cloudy; further rain early in the Southeast; local coastal showers; some brighter intervals locally to-morrow; cold.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind northeast, moderate or fresh; dull; rain at times to-day; fairer to-morrow; cold.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Wind northeast, moderate; cloudy; local light rain to-day; bright periods later; rather cold.
10 N.E. England 11 S.E. Scotland	♠ Wind north to northeast, moderate; cloudy and brighter periods; local showers, especially on the coast; cold.
12 S.W. Scotland & Isle of Man	As 7 - 9.
13. A. W. Scotld. B.N.W.Scotland	Wind northeast, light to moderate; fair with bright periods; rather cold.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland	Wind east, moderate; mainly fair; rather cold; local ground frost at night.
19 S.E. Ireland	As 7 - 9.
20 S. W Ireland	As 17 - 18.

H.M.S.O. Press, Cornwall House S.E.1

GENERAL INFERENCE.

The anticyclonic system to north of the British Isles is expected to persist, whilst pressure remains relatively low on the Continent. Weather will continue cold with northeasterly winds. Further rain will occur at first in the southwestern half of the country, but otherwise conditions will be mainly fair apart from showers near the East Coast.

FURTHER OUTLOOK.

Probably continuing cold and mainly fair.

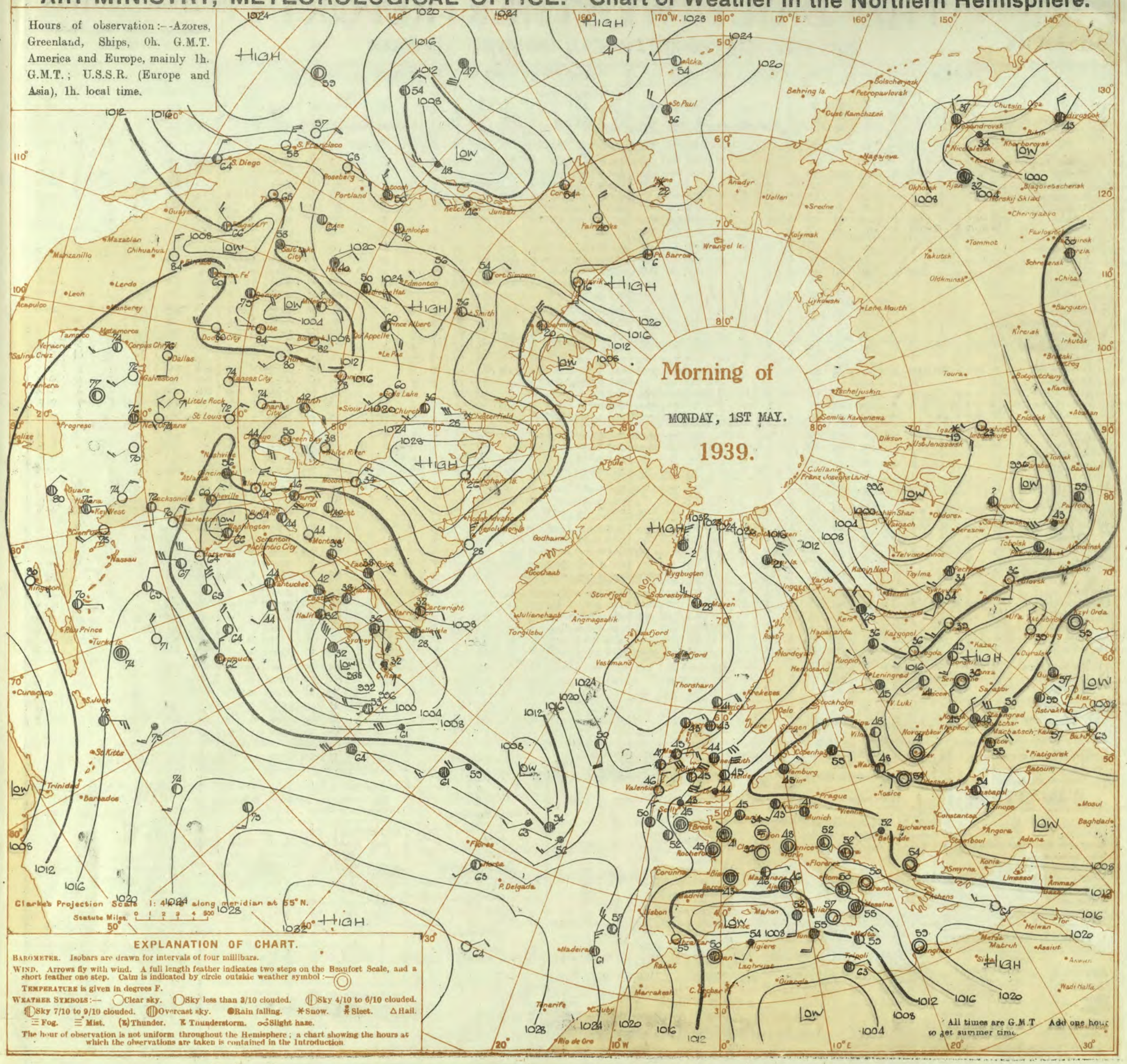
Time of Issue of Gale Warnings.

♠ North Cone hoisted at 1915 G.M.T. on 30th in districts 10 and part of 2.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 1st May, 1939.
No. 28284

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1013.4	-2	NNE	3	r₀r₀	44	97	6	6	2	-	7-8	10	450
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1013.3	0	NNE	3	d₀d₀	45	97	5	6	-	-	10	10	450
	Manston	154	1012.3	-4	NE'N	3	dr	46	97	4	-	2	-	10	10	220
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1013.6	0	NNE	5	o/pr	45	92	6	6	-	-	10	10	1500
	Mildenhall	19														
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015.0	-10	NNE	5	rr	42	97	7	6	2	-	4-6	10	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1013.1	-10	ENE	3	rr	43	92	7	5	-	-	10	10	1500
	Plymouth	82	*	*	*	*	*									
	The Lizard	240	1014.9	-12	N'E	3	rr	42	85	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1015.3	-12	NE'N	5	r₀r₀	43	97	7	8	2	-	7-8	10	1500
	Guernsey	175	1012.8	-8	-	0	ir₀	44	92	7	8	-	-	10	10	1500
6	Pembroke	142	1017.2	-2	NE'E	4	rr	42	92	7	8	-	-	9+	9+	1500
7	Holyhead	26	1019.8	0	NE'N	5	bc	45	75	8	1	4	8	Tr	2-3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1017.2	0	NNE	6	oq	45	92	7	5	-	-	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1022.4	-4	NE	6	o	44	85	7	6	-	-	10	10	800
11	St. Abbs Head	280	1024.8	-6	NNE	4	c/r	42	92	8	9	2	-	4-6	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1022.3	-6	E	5	c	45	85	8	4	-	-	7-8	7-8	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1028.4	-8	ENE	3	c	43	85	9	5	7	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1027.1	-6	NNE	2	c	43	92	8	5	7	-	7-8	9+	1500
16	Lerwick	156	1027.3	-6	NE	4	c	41	75	8	5	3	-	4-6	9	1500
17	Blacksod Point	18	1024.1	-8	NE	4	bc	47	85	8	-	-	1	0	2-3	-
18	Malin Head	84	1024.6	-4	E	3	bc	45	75	8	-	-	2	0	2-3	—
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021.9	-2	N'E	2	b	46	92	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1014.4	+8	NE	3	d₀d₀	44	92	5	6	2	-	7-8	10	1500	1	*
Croydon	1014.0	+6	NE'N	3	dr	44	97	3	-	2	-	10	10	450	1	*
S. Farnborough	1014.3	+8	NE'N	2	d₀d₀	43	97	5	6	2	-	9	10	800	1	*
Boscombe Down	1014.7	+8	NE	3	d₀d₀	43	97	5	6	2	-	7-8	10	450	1	*
Calshot (Sthmtn.)	1013.5	+6	NNE	3	z₀	45	92	6	6	2	-	9	10	800	1	2
Lympne	1014.0	+6	SSW	1	c	45	97	7	8	2	-	9+	10	1500	1	§ 1
Manston	1013.3	+10	SSW	1	c	45	97	6	5	-	-	10	10	1500	1	*
Shoeburyness	1013.8	+14	N'E	2	dd	45	97	5	5	-	-	10	10	450	1	*
Felixstowe	1014.3	+8	NE'E	3	r₀r₀	45	97	5	-	2	-	10	10	450	1	1
Gorleston	1013.9	+6	NNE	5	c/pr	46	85	6	6	-	-	10	10	2500	1	4
Mildenhall	1015.0	+6	NNE	3	c/r	45	92	6	6	2	-	9+	10	1500	1	*
Cranwell	1017.6	+6	N'E	5	c	43	85	7	5	-	-	10	10	1500	1	*
Birmingham	1017.1	+4	NNE	4	ir₀	42	92	5	6	-	-	10	10	800	1	*
Upper Heyford	1016.4	+14	NE	4	ir	42	92	6	6	-	-	10	10	450	1	*
Ross-on-Wye	1016.7	+4	NNE	3	ir₀	43	85	6	6	-	-	10	10	800	1	*
Hartland Point	1014.7	+4	NNE	5	rr	43	97	7	6	2	-	7-8	10	1500	1	3
Bristol	1015.9	+6	NNE	3	iR	41	97	4	6	2	-	9	10	450	1	*
Portland Bill	1013.2	+6	N	4	ir₀	43	92	7	5	-	-	10	10	1500	1	3
Plymouth	1013.7	+2	NE'E	4	c	44	85	8	5	-	-	10	10	1500	1	2
The Lizard	1013.6	0	NE	3	c	43	92	7	8	2	-	7-8	10	1500	1	2
Scilly (St. Mary's)	1014.2	0	NE'E	5	r₀r₀	43	97	7	6	2	-	7-8	10	1500	1	3
Guernsey	1012.6	+10	ENE	1	c	45	92	8	8	-	-	10	10	1500	1	1
Pembroke	1017.2	0	NE'E	4	rr	42	97	6	8	2	-	9	10	1500	1	1
Holyhead	1019.5	+4	NE	4	c	46	75	8	7	4	8	2-3	7-8	4000	0	2
Chester (Sealand)	1019.6	+2	N'E	3	c	45	75	7	6	7	-	4-6	9+	2500	1	*
Manchester	1018.8	+4	NE	5	c	44	75	7	5	-	-	9+	9+	4000	0	*
Spurn Head	1017.5	+2	NNE	6	oq	45	85	6	5	-	-	10	10	1500	1	4
Catterick	1021.6	+6	N'W	4	c/d	43	85	7	6	2	-	7-8	10	800	1	*
Tynemouth	1021.8	+6	NNE	5	c	44	75	7	8	-	-	9+	9+	1500	1	3
St. Abbs Head	1024.4	0	NNE	4	c/r	42	75	8	8	2	-	7-8	10	1500	0	3
Leuchars	1025.6	+8	NNE	4	c	43	75	9	5	-	-	10	10	1500	0	
Renfrew (Abbots I.)	1024.9	-2	ENE	2	bc	44	75	9	5	4	5	2-3	4-6	4000	0	*
Eskdalemuir	1023.2	+2	NE'N	5	id₀	41	86	7	5	-	-	9	9	1500	1	*
Point of Ayre	1021.9	+2	E'N	5	c	45	85	8	4	-	-	7-8	7-8	2500	0	4
Tiree	1024.8	0	NNE	3	bc	46	75	8	1	4	-	2-3	2-3	4000	0	2
Stornoway	1027.6	0	NE	2	c	45	85	8	5	7	-	7-8	10	2500	0	1
Dalwhinnie	1026.0	-8	NE	3	id₀	39	97	6	6	2	-	7-8	10	1500	1	*
Aberdeen	1025.7	+6	NNE	3	id₀	43	75	7	6	2	-	9	10	1500	1	2
Wick	1026.9	+2	NE	3	c	44	75	7	5	2	-	9	10	1500	1	1
Lerwick	1026.9	0	NE	4	c	42	85	8	5	7	-	4-6	9	1500	0	*
Blacksod Point	1023.0	-4	NE	3	bc	48	85	8	4	-	-	4-6	4-6	800	0	2
Malin Head	1029.3	+2	E'N	4	bc	45	75	8	1	4	-	2-3	2-3	5700	0	2
Aldergrove	1023.4	+6	E'N	4	c	43	85	8	5	-	-	9+	9+	1500	0	"
Birr Castle	1020.9	-4	NNE	2	c	39	92	8	5	-	-	9+	9+	2500	0	*
Valentia Obsy. †	1019.8	-4	ENE	4	c	45	65	8	1	4	9	Tr	7-8	4000	0	2
Roches Point	1019.2	+2	N	3	c	44	85	8	5	7	*	4-6	9	1500	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 30th Hrs. (36)
London (Kew)	45	43	42	7	6	0.0
Croydon	44	43	42	10	7	0.0
S. Farnborough	44	42	42	13	6	0.0
Boscombe Down	43	41	41	14	8	0.0
Calshot (Sthmtn.)	47	43	43	5	7	0.0
Lympne	46	43	43	10	6	0.0
Manston	46	44	45	6	6	0.0
Shoeburyness	45	45	44	8	6	0.0
Felixstowe	45	44	44	7	3	0.0
Gorleston	46	45	43	8	1	0.0
Mildenhall	45	48	42	4	1	0.0
Cranwell	46	41	41	Tr	0.4	0.0
Birmingham	47	40	37	1	1	0.0
Upper Heyford	43	41	39	7	6	*
Ross-on-Wye	45	41	39	10	7	0.0
Hartland Point	43	41	40	2	5	0.0
Bristol	43	40	40	16	14	0.0
Portland Bill	46	40	*	2	7	*
Plymouth	45	41	39	Tr	3	0.0
The Lizard	46	40	*	-	3	0.2
Scilly (St. Mary's)	46	42	*	1	4	0.0
Guernsey	46	43	42	0.2	3	0.0
Pembroke	47	41	*	4	8	0.0
Holyhead	50	44	40	Tr	-	2.0
Chester (Sealand)	54	43	38	-	-	0.4
Manchester	55	43	39	-	-	0.4
Spurn Head	46	43	*	Tr	Tr	0.0
Catterick	51	41	40	-	Tr	4.7
Tynemouth	46	42	39	-	0.4	8.8
St. Abbs Head	46	41	*	-	Tr	*
Leuchars	49	43	40	-	-	12.3
Renfrew (Abbots I.)	56	36	30	-	-	7.7
Eskdalemuir	52	38	36	-	Tr	10.2
Point of Ayre	54	43	*	-	-	10.4
Tiree	52	42	39	-	-	13.8
Stornoway	48	42	*	-	*	13.6
Dalwhinnie	52	37	35	-	0.1	11.9
Aberdeen	50	41	40	-	0.1	10.8
Wick	47	42	*	-	0.5	*
Lerwick	48	40	*	Tr	-	1.7
Blacksod Point	54	46	*	—	-	*
Malin Head	50	42	*	—	-	12.0
Aldergrove	55	38	32	-	-	11.2
Birr Castle	56	36	29	-	-	9.7
Valentia Obsy. †	53	41	31	-	-	6.0
Roches Point	50	43	*	2	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	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	crr₀m₀	cir₀rd₀d₀	cd₀rd₀d₀m₀	45	43	42	7	6	0.0	*	*	4
Croydon	217	crrm₀fmr	crrfr₀d₀	r₀fdldmrc₀	44	43	42	10	7	0.0	*	*	2
Greenwich (Royal Observatory)	149	rr	dodd	doirodd	44	43	42	7	8	0.0	98	97	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Park)	27	*	*	*	46	44	42	15		0.0	96	97	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	44	42	42	8	9	0.0	92	96	*
Camden Square	110	c	c	*	45	44	42	9	10	*	*	98	*
Kensington	80	cdm	or	*	45	43	42	7	8	0.0	At 18h 97	96	*
Hampstead Observatory	460	or	or	or	43	41	39	8	11	0.0	*	93	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 1st.

	Max.	Time.	Min.	Time.
South Kensington	0.3	17-19h 30th	<0.3	2-4h 1st
Kew Observatory	0.1	14h 30th	<0.1	0-3h 1st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 30th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 1st May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1012.6	-	0	ir₀	48	1014.3	-	0	z₀	46	52	41	0.5	0.3
Brussels	1011.5	SW	3	rr	45	1014.0	SSW	2	c	46	46	39	8	1
Berlin	1008.6	*	*	c	64	1010.0	SW'S	3	f-	52	68	52	-	-
Zurich						1014.2	NNW	1	z₀	41		36		-
Rome	1014.7	NNW	2	b	79	1015.8	ENE	2	bc	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.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 2nd May, 1939.
No. 28285

OBSERVATIONS at 13h. G.M.T. 1st May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)...	1015·8	0	NNE	3	zo	47	85	5	5	-	-	10	10	450
	Croydon	1015·6	+4	NE	2	d.d.	45	97	4	6	2	-	7-8	10	450
	S. Farnborough	1015·9	+2	NNE	3	dod.	46	92	5	6	2	-	9	10	800
	Boscombe Down	1016·2	+4	NE	4	c	45	92	7	6	2	-	9	10	800
	Calshot (Soton.)	1015·2	+6	NEN	3	c/d	48	85	6	6	2	-	7-8	10	800
	Lympne ...	1015·6	+2	SSW	1	c	49	85	8	5	7	8	7-8	10	2500
	Manston ...	1014·7	+2	NW	1	ido	48	92	7	5	2	-	9	10	450
2	Shoeburyness ...	1015·5	+2	NNE	3	dd	47	97	6	5	-	-	10	10	450
	Felixstowe ...	1015·4	-2	NEN	3	dodo	46	92	6	6	2	-	7-8	10	450
	Gorleston ...	1015·1	+2	NE	4	c	46	85	6	5	-	-	10	10	2500
	Mildenhall ...	1016·2	+2	NNE	4	c	47	85	6	5	2	-	9	10	1500
	Cranwell ...	1018·2	-2	NE	5	c	45	85	7	5	-	-	10	10	1500
3	Birmingham ...	1018·3	0	NNE	3	c/r	44	85	5	6	-	-	10	10	800
	Upper Heyford	1017·4	+4	NE	4	roro	43	97	5	6	-	-	10	10	450
4	Ross-on-Wye ...	1017·8	0	NNE	3	o/r	44	92	5	6	-	-	10	10	800
5	Hartland Point	1015·8	+4	NNE	6	iro	44	97	7	6	2	-	7-8	10	1500
	Bristol	1017·2	+2	NNE	2	RR	44	97	6	6	2	-	9	10	800
	Portland Bill ...	1014·8	+10	ENE	4	iro	46	92	7	5	-	-	10	10	1500
	Plymouth ...	1015·3	+6	NEE	4	c	48	85	7	5	-	-	10	10	1500
	The Lizard ...	1015·1	+2	ESE	4	c	47	85	8	8	2	-	7-8	10	2500
	Scilly (St. Mary's)	1015·4	+2	ENE	4	c	49	92	8	5	2	-	7-8	10	1500
	Guernsey ...	1014·0	+8	ES	1	c	50	75	7	8	2	-	7-8	10	1500
6	Pembroke ...	1017·5	+8	ENE	3	c	45	85	7	8	2	-	7-8	10	1500
7	Holyhead ...	1019·6	-2	NE	5	bc	49	75	7	1	4	-	2-3	2-3	2500
	Chester (Sealand)	1019·7	-6	NEN	4	zo	53	55	6	5	7	-	4-6	9	4000
8	Manchester ...	1019·4	-2	NE	4	bc	52	55	7	1	3	-	2-3	4-6	4000
10	Spurn Head ...	1018·2	-2	NEN	6	oq	48	75	7	5	-	-	10	10	2500
	Catterick ...	1021·9	-2	NNE	4	c	49	65	7	7	-	-	7-8	7-8	2500
	Tynemouth ...	1022·5	0	NNE	6	bc	46	75	8	2	-	-	4-6	4-6	1500
11	St. Abbs Head...	1024·8	0	NNE	4	bc	45	75	8	7	4	1	2-3	4-6	2500
	Leuchars ...	1025·4	-4	NE	4	b	48	65	8	8	6	-	1	1	4000
12	Renfrew (AbbotsI.)	1024·7	-4	EN	3	c	48	75	8	5	3	-	9	9+	2500
	Eskdalemuir ...	1023·0	-2	NEN	5	c	46	65	8	5	-	1	7-8	7-8	1500
	Point of Ayre ...	1022·1	0	EN	5	bc	50	75	8	2	4	-	1	2-3	2500
13A	Tiree	1024·6	0	NE	2	bc	50	65	9	1	4	2	Tr	4-6	4000
13B	Stornoway ...	1027·6	0	NE	4	bc	48	75	9	5	7	-	2-3	4-6	4000
15	Dalwhinnie ...	1025·3	-4	NE	4	c	44	75	8	4	6	-	4-6	9+	2500
	Aberdeen ...	1026·2	0	NE	3	bc	47	65	7	7	-	-	2-3	2-3	2500
	Wick	1027·0	0	NNE	3	c	44	65	8	5	7	8	7-8	9+	1500
16	Lerwick... ...	1026·9	0	ENE	3	pr	44	75	8	8	7	-	4-6	9	800
17	Blacksod Point...	1022·8	-2	NE	4	b	53	75	7	-	-	-	0	0	-
18	Malin Head ...	1024·9	-2	ENE	2	bc	48	75	8	1	-	2	1	4-6	5700
	Aldergrove ...	1022·5	-6	EN	4	bc	53	65	8	1	-	-	4-6	4-6	1500
19	Birr Castle ...	1020·6	-2	NNE	3	bc	55	65	8	1	-	-	2-3	2-3	2500
20	Valentia Obsy.†	1019·6	-4	NEE	4	bc	55	55	8	1	4	2	Tr	4-6	4000
	Roches Point ...	1019·1	-2	ENE	3	c	53	75	8	7	3	-	4-6	7-8	2500

OBSERVATIONS at 18h. G.M.T. 1st May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.–13h. 1st (37)	Weather 13h.–18h. 1st (38)	Weather 18h. 1st to 1h. 2nd (39)	Weather 1h.–7h. 2nd (40)
London (Kew)	1016·5	+6	NEN	3	roro	45	85	5	6	2	-	7-8	10	1500	1	*	cdodfmo	cmocroro	croro cmo	cm.
Croydon	1016·0	0	NNE	2	rof	45	97	3	6	2	-	9+	10	800	1	*	orodofm	dro rrf	rrfddmme	ccm.
S. Farnborough	1016·4	+2	NNE	3	roro	45	97	6	6	2	-	10	10	800	1	*	cdododdc	cdoro rc	crr dodo	d.d.c
Boscombe Down	1016·8	+2	NEN	3	ido	45	92	6	6	2	-	7-8	10	800	1	*	cdodoc	cdodocido	crrroroc	ccid.c
Calshot (Soton.)	1015·7	+4	N	2	zo	47	92	6	6	2	-	4-6	10	800	1	2	cmocdod	cidocmo	croroiro	ccm.
Lympne	1015·4	0	NNE	3	roro	45	92	6	6	2	-	9	10	800	1	§ 1	c	odoroto	prrroromo	rorodom.
Manston	1015·1	0	NE	4	rr	45	97	5	6	2	-	9	10	800	1	*	cdo	odoro rr	orrm.	ororom.
Shoeburyness	1015·7	+2	NE	2	rr	45	97	6	6	2	-	9	10	800	1	*	ddmmoo	dmorrc	rrmoc	croro.c
Felixstowe	1015·5	+2	NE	3	ido	45	92	6	6	2	-	9	10	450	1	1	oddmoror	ododorod.	ororoom.	om.
Gorleston	1015·4	0	NE	5	e	46	92	6	5	-	-	10	10	2500	1	4	opr.c	cpr.c	cq	cq
Mildenhall	1016·5	0	NE	4	c	46	85	7	5	7	-	7-8	9+	1500	1	*	cid.c	cid.roro m.	cm.c	c
Cranwell	1018·7	+6	NE	5	c	45	85	7	5	-	-	9+	9+	2500	1	*	crodoc	c	c	c
Birmingham	1018·2	0	NNE	3	bc	50	65	6	7	-	-	4-6	4-6	2500	1	*	• olr	orobc	bccro	c
Upper Heyford	1017·8	+4	N	3	roro	43	92	6	5	7	-	7-8	10	800	1	*	crrroroir	roro crroro	cromoc	c
Ross-on-Wye	1018·1	0	NE	3	iro	45	97	5	5	-	-	10	10	800	1	*	roorm.iro	oiro	roOC	c
Hartland Point	1017·0	+2	NE	5	ir	45	97	7	6	2	-	7-8	10	800	1	3	rrir.c	cir.ir	cirroro	c
Bristol	1017·7	+6	NNE	3	c/r	44	92	5	6	2	-	7-8	10	800	1	*	cRrrorR	cRro ir	cr Rroc	c
Portland Bill	1015·7	+4	NE	4	o	46	85	7	5	-	-	10	10	1500	1	3	orr	orr	orr	orr
Plymouth	1016·3	+4	NE	3	zo	47	85	6	5	-	-	10	10	1500	1	1	c	ccm.	ciro m.	cbccbc
The Lizard	1015·9	+6	NE	3	c/pr	46	92	7	8	2	-	9	10	1500	1	1	c	cpr.c	cpr.	prbc
Scilly (St. Mary's)	1016·1	+6	NEE	4	c	48	92	7	5	-	-	10	10	1500	1	3	cr.c	c	c	e
Guernsey	1014·5	+4	NE	1	zo	50	75	6	-	3	-	0	4-6	-	1	1	coc	cbc	bczcm	cmorr
Pembroke	1018·6	+2	ENE	2	c/r	47	85	6	8	2	-	7-8	10	1500	1	1	crr ir	irm.c	cm.bc	bcm.
Holyhead	1020·0	+2	N	4	bc	49	85	8	-	4	4	0	2-3	-	0	2	cb	b	b	b,c
Chester (Sealand)	1019·7	+2	NNE	3	zo	53	55	6	-	3	-	0	1	-	1	*	cr.zo	c,bzoy	bczobcc	czobcm.
Manchester	1019·8	+6	NEN	4	bc	51	55	7	-	4	1	0	2-3	-	0	*	ccr.zo.bc	bcbbcy	bcyc	cbzo
Spurn Head	1018·5	+2	NEN	6	cq	45	85	7	8	-	-	9+	9+	1500	0	4	cqpr.	cq	cqpr.	cq
Catterick	1022·2	+2	NNE	5	bc	45	65	8	1	4	-	2-3	4-6	1500	0	*	o c	cbc	bcir.c	ccir.
Tynemouth	1022·8	+6	NE	6	c	45	65	8	8	-	-	7-8	7-8	1500	0	3	cbc	bcc	cp.c	cp.
St. Abbs Head	1024·9	-2	NNE	3	bc	43	75	8	7	1	-	2-3	4-6	2500	0	3	ir.bc	bc	irprc	prc
Leuchars	1025·0	-6	ENE	3	bc	46	85	8	5	4	-	4-6	4-6	4000	0	*	cbcb	cbc	bccbc	bcxpr.c
Renfrew (AbbotsI.)	1024·6	-2	ES	3	bc	50	55	8	4	-	-	2-3	4-6	4000	0	*	bcc	cbcby	bybcy	c
Eskdalemuir	1023·2	+2	NE	4	bc	43	55	8	1	-	1	2-3	2-3	2500	1	*	cid.c	cbcy	bcybc	bc
Point of Ayre	1021·9	+4	ENE	5	b	50	75	8	-	-	1	0	1	-	0	4	cbc	bcb	b	bcc
Tiree	1023·8	-4	NW	2	b	50	85	8	-	1	-	Tr	1	4000	0	2	bc	bc	bbc	bcc
Stornoway	1026·8	-2	NE	5	bc	47	75	9	5	7	-	1	2-3	4000	0	3	cprbc	bc	bc,b,c	c
Dalwhinnie	1025·5	0	NE	4	c	42	75	8	4	6	-	4-6	9+	2500	0	*	cid	c	•	c
Aberdeen	1025·4	-4	NEN	3	bc	45	65	7	7	-	-	4-6	4-6	2500	0	2	cid.b	bcb	bcpr.bc	bcpr.c
Wick	1026·3	-2	NNE	3	c	45	75	8	5	7	8	7-8	9+	1500	0	1	c	c	c	cbc
Lerwick	1026·0	-2	EN	3	c	43	75	8	8	7	-	4-6	7-8	1500	1	*	cpr.	cpr.	cbcc	cpr.
Blacksod Point	1022·4	0	NE	5	bc	51	85	8	-	-	1	0	2-3	-	0	4	b	bcq	bc	b
Malin Head	1024·4	-2	ENE	2	bc	48	75	8	7	-	2	2-3	4-6	5700	0	2	bc	bc	bc	bcc ∞
Aldergrove	1022·6	+2	EN	4	c	50	65	8	5	-	6	Tr	9	1500	0	*	cbbc	bcc	cb	bwx,c
Birr Castle	1020·7	0	ENE	3	b	55	65	8	-	4	-	0	1	-	0	*	cbc	bcb	b	bx
Valentia Obsy.†	1019·6	0	SE	4	bc	56	65	8	7	-	1	2-3	2-3	4000	0	2	cbcy	bcy	bcybw	bw
Roches Point	1019·3	+2	E	3	bc	51	75	8	5	4	-	2-3	4-6	2500	0	2	c	cbc	bcbw	bwb

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
Solar halo. lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

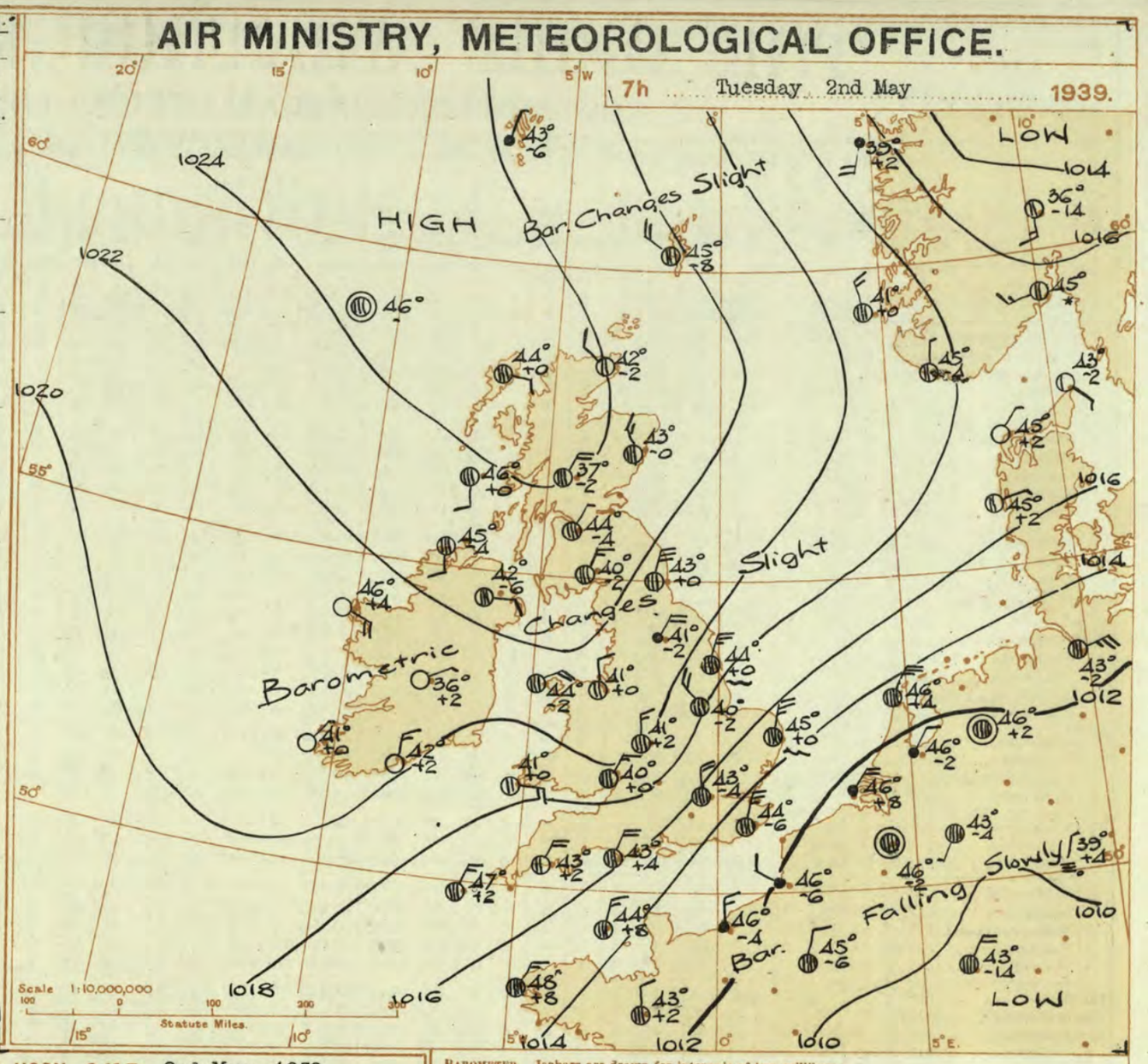
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 1st May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 30th to 9h. 1st	Temperature. (°F) Max. 9h.—17h. 1st	Rainfall. (mm.) Night. 17h. 30th to 9h. 1st	Rainfall. (mm.) Day. 9h.—17h. 1st	Sunshine. (Hrs.) Sunrise to 17h. 1st	Sunshine. (Hrs.) Sunrise to Sunset. 30th
1	Tunbridge W.	oro	or	43	46	12	2	0·0	0·0
	Bournemouth	·odo	o	42	47	9	-	0·0	0·0
	Ventnor ...	rofo	odou	42	47	12	0·3	0·0	0·0
	Southsea ...	od·o	od·o	44	48	8	Trace	0·0	0·0
	Bognor Regis	o	o	43	49	9	-	0·0	0·0
	Littlehampton	c	cod	44	49	9	Trace	0·0	0·0
	Worthing ...	o	o	44	49	8	-	0·0	0·0
	Brighton ...	c	cd	44	50	9	Trace	0·0	0·0
	Eastbourne† ...	bcco	od·o	44	54	8	Trace	3·5	0·0
	Hastings† ...	bcco	od·o	44	53	9	Trace	4·0	0·0
	Folkestone ...	vcc	codo	45	53	7	0·3	1·4	0·0
	Dover ...	co	or	43	51	7	1	0·6	0·0
	Deal	o	oror	45	51	9	0·5	0·0	0·0
	Ramsgate ...	o	or	44	49	7	2	0·0	0·0
	Margate ...	c	cr	45	49	7	5	0·0	0·0
2	Southend ...	odm	omrr	44	46	7	6	0·0	0·0
	Clacton-on-Sea	odrd	odrm	43	46	7	9	0·0	0·0
	Dovercourt ...	roc	roc	42	47	5	6	0·0	0·0
	Lowestoft ...	creir	cprc	43	46		0·1	0·0	0·0
	Skegness ...	o	ocbc	43	47	3	-	1·1	0·0
	Mablethorpe...	o	oc	43	47	-	-	0·1	0·0
	Cleethorpes ...	o	cbc	43	47	-	-	0·0	0·0
3	Leamington S.	oir	oir	42	47	4	1	0·0	0·0
4	Cheltenham†	m·oir	oirm·	40	45	13	2	0·0	0·0
5	Bath	rr	rrcrr	40	46	19	6	0·0	0·0
	Weymouth ...	id·	id·	42	48	6	Trace	0·0	0·0
	Jersey ...	pc	cbc	45	56	1	-	3·9	0·0
	Torquay ...	od id·	oid·p	41	47	7	Trace	0·0	0·0
	Falmouth ...	o	o	41	48	2	-	0·0	0·5
	Penzance ...	cpc	c	42	49	5	-	0·0	0·0
	St. Ives ...								
	Bude... ...	or	oro	41	48	5	1	0·0	0·0
	Ilfracombe ...								
6	Aberystwyth	c	pr·c	44	51	-	0·3	0·0	0·0
7	Llandudno ...	bc	b	44	53	-	-	7·3	1·9
	Colwyn Bay...	cbc	bcb	44	53	-	-	6·2	1·7
	Rhyl	cbc	bcb	44	55	-	-	5·7	0·5
8	Wallasey ...	cbc	bcb	42	56	Trace	-	6·3	0·9
	Southport ...	cbcb	by	41	58	-	-	7·1	0·2
	Blackpool ...	by	by	42	58	-	-	10·8	2·9
	Morecambe ...	b	b	41	56	-	-	11·5	10·9
9	Ilkley... ...	cb	b	42	51	-	-	7·3	4·4
	Harrogate ...	cbcq	bcbq	41	50	-	-	5·9	4·1
10	Berwick-on-T.	obc	bc	41	47	0·1	-	6·8	8·7
11	Dunbar ...	cpr·	bcm·	41	46	0·3	-	6·7	11·7
12	Troon... ...	coco	bcb	41	51	-	-	5·2	7·1
	Douglas ...	b	b	41	54	-	-	11·0	10·3

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind northerly, moderate or fresh, decreasing; mainly cloudy at first; considerable bright periods spreading in later; cold; chance of local ground frost at night.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Winds northeast to east, moderate to light; fair; bright periods; mainly rather cold; ground frost at night.
10 N.E. England 11 S.E. Scotland	Wind northerly, moderate, freshening on the coast; cloudy and brighter periods; local coastal showers; cold; ground frost inland at night.
12 S.W. Scotland & Isle of Man.	As 4 - 9.
13 A. W. Scotld. B.N.W.Scotland.	Wind variable, light; fair; mainly rather cold.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind north freshening, perhaps strong locally later; mainly cloudy; occasional showers; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W Ireland	Wind easterly to variable; fine or fair; average to rather low day temperature, ground frost at night.

GENERAL INFERENCE.

The anticyclone to northwest of Scotland persists and a depression over Scandinavia will move southeast and deepen. Weather will be fair over the British Isles apart from a few scattered showers near the East Coast. Conditions will continue cold with ground frost at night in many areas.

FURTHER OUTLOOK.

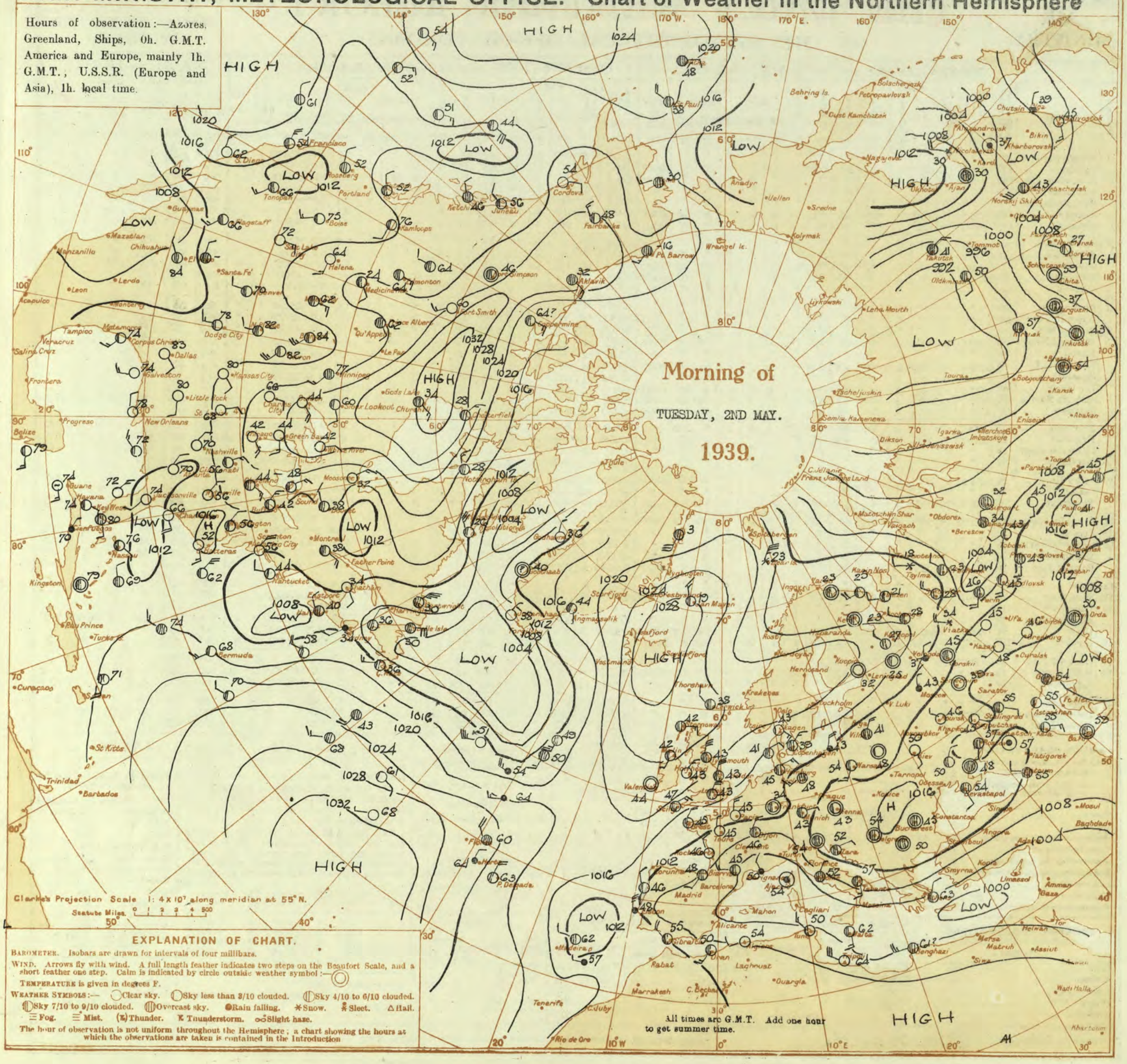
None issued.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 2nd May, 1939.
No. 28285

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·8	-2	N'E	4	c	43	92	7	5	-	-	10	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·3	-2	N'E	4	r₀r₀	43	92	6	6	2	-	9	10	450
	Manston ...	154	1015·0	-6	N'E	5	rr	44	97	5	6	2	-	9	10	220
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·9	0	NE	6	c	45	85	6	5	-	-	10	10	2500
	Mildenhall ...	19	1017·1	-4	N	3	c	44	85	7	5	-	-	10	10	2500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1017·8	0	NE	3	c	45	97	7	6	2	-	7-8	10	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1016·6	+4	NE	4	rr	44	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1017·2	+2	NNE	2	pr	45	92	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	1017·7	0	NEE	3	c	47	92	6	5	2	-	7-8	10	2500
	Guernsey ...	175	1015·5	0	NEN	2	m	48	92	4	5	-	-	10	10	1500
6	Pembroke ...	142	1019·7	0	E	3	bc	44	85	7	-	4	1	0	2-3	-
7	Holyhead ...	26	1021·5	+2	NEE	3	b	43	75	8	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·8	0	N'E	6	oq	43	85	7	5	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1022·5	-10	NNE	6	c	43	55	8	2	-	-	7-8	7-8	1500
11	St. Abbs Head	280	1023·9	-14	NNE	4	c	41	75	8	5	3	-	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1022·9	-2	EN	5	b	44	75	8	1	-	-	Tr	Tr	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026·6	-2	E	3	c	42	85	8	5	5	-	4-6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1025·6	-6	NNW	2	c	42	85	8	5	7	-	4-6	7-8	1500
16	Lerwick ...	156	1024·7	-14	NW	2	c	38	85	8	5	3	-	4-6	9	1500
17	Blacksod Point	18	1022·5	0	-	0	b	43	92	7	-	-	-	0	0	-
18	Malin Head ...	84	1024·9	-2	SW	1	bc	42	75	8	4	-	-	2-3	2-3	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021·6	+6	-	0	b	44	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1016·0	-2	NNE	4	z₀	43	85	6	5	-	-	10	10	1500	1	*
	Croydon	1015·7	-4	N	4	z₀	43	75	6	5	-	-	10	10	800	1	*
	S. Farnborough	1016·2	0	N	3	c	42	85	7	5	2	-	9+	10	2500	1	*
	Boscombe Down	1017·3	-2	N'E	3	c	41	85	7	5	2	-	7-8	10	2500	1	*
	Calshot (Sthmtn.)	1015·9	0	NW	4	z₀	43	83	7	5	-	-	10	10	1500	1	1
	Lympne	1013·4	-6	NNE	5	z₀/d	44	92	5	-	2	-	10	10	450	1	§ 2
	Manston	1013·6	-2	N'E	5	z₀	45	92	6	5	-	-	10	10	450	1	*
2	Shoeburyness	1014·8	+2	N	4	c	45	85	7	5	2	-	7-8	10	1500	1	*
	Felixstowe	1014·7	0	N	4	z₀	45	92	6	6	2	-	7-8	10	450	1	2
	Gorleston	1014·8	0	N'E	5	c	45	92	6	5	-	-	10	10	2500	1	4
	Mildenhall	1016·1	0	N	4	o	45	85	7	5	-	-	10	10	1500	1	*
	Cranwell	1018·7	-2	NNW	4	c	40	75	7	5	-	-	9+	9+	4000	1	*
3	Birmingham	1020·1	+2	N	3	c	41	75	6	8	7	-	4-6	9	2500	1	*
	Upper Heyford	1018·1	+2	N	4	o	40	75	7	5	-	-	10	10	2500	1	*
4	Ross-on-Wye	1019·4	0	NE	3	c	40	65	7	5	-	-	10	10	2500	1	*
5	Hartland Point	1017·8	+4	E	4	c	42	85	8	6	4	-	4-6	7-8	1500	1	3
	Bristol	1018·7	+2	N	4	c	41	75	7	5	-	-	9+	9+	2500	1	*
	Portland Bill	1016·3	+4	NE	4	c	43	85	7	5	-	-	10	10	1500	1	3
	Plymouth	1017·4	+2	NE	4	bc	43	75	7	8	-	-	4-6	4-6	2500	1	1
	The Lizard	1017·0	-2	NE	3	bc	44	85	8	8	6	-	4-6	4-6	2500	1	1
	Scilly (St. Mary's)	1017·2	+2	NE	3	c	47	92	6	8	6	-	7-8	9+	2500	1	2
	Guernsey	1015·0	+8	NNE	3	c/r	44	92	7	5	-	-	10	10	1500	1	2
6	Pembroke	1019·9	0	E'S	3	bc	41	85	7	5	-	-	2-3	2-3	2500	1	1
7	Holyhead	1020·4	-2	ENE	4	c	44	75	8	7	-	-	10	10	2500	0	2
	Chester (Sealand)	1021·2	0	N	2	z₀	41	65	6	5	-	-	2-3	2-3	4000	1	*
8	Manchester	1020·6	-2	NNE	3	z₀	41	65	6	5	-	-	4-6	4-6	4000	0	*
10	Spurn Head	1018·0	0	NNE	5	cq	44	85	7	5	-	-	10	10	2500	0	4
	Catterick	1021·0	-2	NEN	4	ir₀	41	75	8	6	-	-	9+	9+	800	1	*
	Tynemouth	1021·5	0	NNE	6	c/pr	43	65	8	8	-	-	9+	9+	1500	1	3
11	St. Abbs Head	1022·8	-6	NNE	3	c	42	65	9	5	6	-	7-8	9	2500	0	3
	Leuchars	1023·7	0	NNE	1	c	43	85	8	8	-	-	9+	9+	2500	1	*
12	Renfrew (Abbots I.)	1023·9	-4	NE	1	c	44	75	8	5	3	-	4-6	7-8	2500	0	*
	Eskdalemuir	1022·3	-2	NEN	3	c	40	65	8	5	-	-	7-8	7-8	2500	1	*
	Point of Ayre	1022·1	-4	EN	4	c	43	75	8	8	-	-	7-8	7-8	4000	0	3
13A	Tiree	1023·0	0	S	2	c	46	85	7	5	3	-	4-6	7-8	2500	0	2
13B	Stornoway	1024·7	0	ESE	2	c	44	65	9	5	7	-	4-6	7-8	2500	0	1
15	Dalwhinnie	*	-2	NE	4	c	37	85	8	4	6	-	4-6	7-8	2500	0	*
	Aberdeen	1023·5	0	NW	3	c	43	85	8	8	-	-	7-8	7-8	2500	1	1
	Wick	1024·2	-2	NW	2	bc	42	85	9	7	5	-	2-3	2-3	2500	0	1
16	Lerwick	1022·0	-8	NW	4	c/pr	45	92	8	8	2	-	4-6	10	1500	0	*
17	Blacksod Point	1021·9	+4	SE	4	b	46	75	8	-	-	-	0	0	-	0	3
18	Malin Head	1023·7	-4	S	2	c	45	65	8	5	-	-	9	9	5700	0	2
	Aldergrove	1023·0	-6	E	2	c	42	75	8	5	-	-	9	9	4000	0	"
19	Birr Castle	1021·6	+2	ENE	1	b	36	97	7	-	-	-	0	0	-	0	*
20	Valentia Obsy. †	1021·0	0	NEE	1	b	41	92	8	-	-	-	0	0	-	0	1
	Roches Point	1020·5	+2	NE	3	b	42	92	8	-	-	-	0	0	-	0	1

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 1st Hrs. (36)
1	London (Kew)	47	42	41	5	4	0·0
	Croydon	46	42	41	4	3	0·0
	S. Farnborough	46	41	40	3	3	0·0
	Boscombe Down	46	39	39	0·6	2	0·0
	Calshot (Sthmtn.)	48	42	41	Tr	2	0·0
	Lympne	50	43	42	0·6	4	0·2
	Manston	49	43	43	4	8	0·0
2	Shoeburyness	47	43	42	8	5	0·0
	Felixstowe	46	44	43	5	0·5	0·0
	Gorleston	47	44	43	0·5	-	0·7
	Mildenhall	48	43	42	1	-	0·0
	Cranwell	49	40	39	Tr	-	0·7
3	Birmingham	50	38	37	3	Tr	0·6
	Upper Heyford	45	39	37	6	0·3	*
4	Ross-on-Wye	45	39	38	3	Tr	0·0
5	Hartland Point	45	41	39	3	0·6	0·0
	Bristol	45	40	38	9	2	0·0
	Portland Bill	46	40	*	1	1	"
	Plymouth	48	42	40	-	Tr	0·0
	The Lizard	48	42	*	Tr	1	0·0
	Scilly (St. Mary's)	51	46	*	Tr	-	0·0
	Guernsey	53	44	43	-	1	4·9
6	Pembroke	48	39	*	5	-	0·0
7	Holyhead	51	41	38	-	-	11·4
	Chester (Sealand)	56	34	27	Tr	-	6·6
8	Manchester	55	34	25	Tr	-	6·5
10	Spurn Head	48	43	*	Tr	-	3·0
	Catterick	49	38	35	-	Tr	7·4
	Tynemouth	46	42	39	-	Tr	7·3
11	St. Abbs Head	45	·40	*	Tr	0·1	*
	Leuchars	50	37	28	-	Tr	3·8
12	Renfrew (Abbots I.)	52	39	32	-	-	5·5
	Eskdalemuir	51	34	29	Tr	-	5·9
	Point of Ayre	53	41	*	-	-	8·9
13A	Tiree	52	39	36	-	-	14·6
13B	Stornoway	49	41	*	Tr	-	11·7
15	Dalwhinnie	45	34	27	Tr	-	1·3
	Aberdeen	48	37	34	Tr	0·4	5·9
	Wick	45	36	*	-	-	*
16	Lerwick	46	38	*	Tr	Tr	1·2
17	Blacksod Point	54	49	*	-	-	*
18	Malin Head	49	39	*	-	-	13·2
	Aldergrove	53	32	26	-	-	10·1
19	Birr Castle	56	34	25	-	-	9·9
20	Valentia Obsy. †	59	37	31	-	Tr	12·7
	Roches Point	53	40	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet.	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	cd₀d₀m₀	cm₀cr₀r₀	cr₀r₀cm₀	47	42	41	5	4	0·0	•	•	5
Croydon ...	217	or₀d₀d₀f	dr₀rrf	cm₀	46	42	41	4	3	0·0	•	•	5
Greenwich (Royal Observatory) ...	149	ddr₀	r₀rr	rrr₀c	46	42	41	6	3	0·0	95	81	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	•	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	48	43	42	10		0·0	95	87	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	46	42	42	3	9	0·0	92	84	•
Camden Square ...	110	c	c	•	46	42	41	6	5	*	•	83	•
Kensington ...	80	cr	cr	•	47	43	41	6	4	0·0	At 18h 97	84	•
Hampstead Observatory ...	450	or	or	c	45	40	37	5	7	0·0	•	90	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 1st.

	Max.	Time.	Min.	Time.
South Kensington.	0·3	14-16h 1st.	<0·3	2-4h 2nd
Kew Observatory.	0·2	19h 1st.	<0·1	0-4h 2nd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 1st May: Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd May: Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours: Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1012·9	ENE	2	b	57	1011·1	NNE	2	z₀	45	59	41	-	-
Brussels ...	1013·9	WNW	2	o	48	1010·9	-	0	o	46	52	41	-	-
Berlin ...						1010·9	W'N	2	c	48		46		Tr
Zurich ...	1010·8	NNE	2	bc	57	1004·3	ENE	3	c	46	64	45	-	-
Rome ...														

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22—Code for surface visibility.

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

COLUMN 30—Code for State of Sea.
0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 3rd May, 1939

No. 28286

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	°Humid. (7)	Visibility 0–9 (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)	1014.7	−8	NNE	4	z.	49	75	6	5	–	–	10	10	450
	Croydon	1015.0	−6	N'E	4	z.	49	75	5	5	–	–	9+	10	1500
	S. Farnborough	1014.6	−14	N'W	4	c	51	65	7	7	–	–	9+	9+	2500
	Boscombe Down	1016.3	−6	NE'N	4	c	47	75	8	5	2	–	9+	10	2500
	Calshot (Soton.)	1015.3	−6	N'W	4	c	48	75	7	5	–	–	9+	9+	2500
	Lympne	1013.0	−8	N'E	5	d.d.	46	92	5	6	2	–	9	10	450
	Manston	1012.8	−6	N'E	5	dd	45	97	5	6	–	–	10	10	450
2	Shoeburyness	1014.1	−4	NNE	4	dd	47	85	6	6	2	–	9+	10	800
	Felixstowe	1014.0	−6	NNE	4	id.	46	85	6	6	2	–	9	10	800
	Gorleston	1014.4	−2	NNE	5	id.	47	85	6	5	–	–	10	10	1500
	Mildenhall	1015.3	−6	N'E	4	c	48	85	7	5	2	–	9	10	1500
	Cranwell	1017.5	−4	N'E	4	id.	45	92	6	5	–	–	10	10	800
3	Birmingham	1018.1	−6	NNE	4	c	46	75	6	5	–	–	9+	9+	2500
	Upper Heyford	1017.0	−6	N'E	4	c	46	75	7	5	2	–	9	10	1500
4	Ross-on-Wye	1017.6	−8	NE'N	3	c	49	55	6	5	–	–	9+	9+	4000
5	Hartland Point	1017.5	−2	ENE	3	b	47	85	8	1	–	–	Tr	Tr	2500
	Bristol	1017.4	−6	N'E	4	c	47	65	7	5	–	–	9+	9+	4000
	Portland Bill	1015.1	−6	NE	4	c	49	75	7	5	7	–	7-8	10	2500
	Plymouth	1016.5	−10	NE	3	c	52	55	8	7	–	–	7-8	7-8	2500
	The Lizard	1017.0	−4	ESE	2	c	47	75	7	8	2	–	7-8	7-8	1500
	Scilly (St. Mary's)	1017.5	+4	NNE	3	c	48	85	7	6	6	–	4-6	9+	1500
	Guernsey	1014.5	−6	NNE	4	c	48	75	7	8	2	–	7-8	10	1500
6	Pembroke	1018.3	−4	ENE	2	c	49	92	7	8	–	–	7-8	7-8	2500
7	Holyhead	1020.1	−6	NNE	4	bc	47	65	8	1	7	–	4-6	4-6	2500
	Chester (Sealand)	1019.6	−10	NNE	3	z.	48	55	6	5	–	–	9+	9+	2500
8	Manchester	1019.3	−10	NE	4	z.	48	55	6	5	–	–	10	10	4000
10	Spurn Head	1017.7	−2	NE'N	5	cq	47	85	7	5	–	–	10	10	1500
	Catterick	1020.4	−10	NNE	4	c	45	65	7	5	7	–	1	9+	2500
	Tynemouth	1021.5	−8	NE	5	bc	44	65	8	8	–	–	4-6	4-6	2500
11	St. Abbs Head	1022.3	−4	NNE	3	c	45	65	9	8	6	–	4-6	9+	1500
	Leuchars	1022.7	−10	E	3	bc	48	75	8	2	3	–	1	2-3	2500
12	Renfrew (Abbotsl.)	1022.2	−12	ESE	3	c	52	55	9	7	3	–	4-6	7-8	4000
	Eskdalemuir	1021.2	−8	NE'N	4	c	47	45	8	5	–	–	7-8	7-8	2500
	Point of Ayre	1021.5	−10	E'N	4	b	49	65	8	1	4	–	Tr	1	4000
13A	Tiree	1021.8	−6	S'W	2	c	50	75	7	5	–	–	9	9	2500
13B	Stornoway	1022.8	−16	SSE	2	bc	48	65	9	1	–	–	2-3	2-3	4000
15	Dalwhinnie	1022.3	−16	–	0	c	52	55	8	4	5	–	2-3	7-8	2500
	Aberdeen	1022.4	−8	ENE	3	b	48	65	8	1	–	–	1	1	2500
	Wick	1022.6	−10	SE	2	c	48	75	8	7	7	8	2-3	7-8	2500
16	Lerwick	1021.5	−6	NE	3	c	45	75	8	5	7	–	7-8	9+	1500
17	Blacksod Point	1020.5	−12	S	3	bc	55	55	9	1	–	–	2-3	2-3	7200
18	Malin Head	1022.6	−6	E	4	c	46	75	8	2	4	6	2-3	7-8	7200
	Aldergrove	1021.8	−10	E'N	2	c	46	55	8	5	–	–	9	9	4000
19	Birr Castle	1020.4	−6	ENE	2	bc	52	65	7	1	–	–	4-6	4-6	2500
20	Valentia Obsy.†	1019.8	−10	NNW	3	b	55	65	8	1	–	–	1	1	4000
	Roches Point	1019.6	−10	E	3	bc	51	75	8	1	–	–	2-3	2-3	4000

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	°Humid. (21)	Visibility 0–9 (22)	Cloud. Form Low. (23)	Cloud. Form Med. (24)	Cloud. Form High. (25)	Cloud. Amount Low 0–10 (26)	Cloud. Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1015.7	−4	NE'N	4	z.	47	85	6	5	–	–	10	10	1500	1	*
	Croydon	1013.6	−8	NE'N	4	z.	46	92	5	5	–	–	9+	10	1500	1	*
	S. Farnborough	1013.6	−8	NNE	3	c	47	85	7	5	–	–	10	10	1500	1	*
	Boscombe Down	1014.7	−2	N	4	id.	45	92	7	5	2	–	7-8	10	1500	1	*
	Calshot (Soton.)	1013.6	−6	N'W	4	z.	48	85	6	5	1	–	9	10	1500	1	2
	Lympne	1012.2	0	NNE	5	df	45	92	5	6	–	–	10	10	<150	1	§ 3
	Manston	1011.9	−2	NNE	5	id.	46	97	4	–	2	–	10	10	220	1	*
2	Shoeburyness	1013.1	−4	NNE	4	id	46	97	5	5	–	–	10	10	450	1	*
	Felixstowe	1013.4	−2	ENE	5	id.	45	97	6	5	2	–	9	10	800	1	2
	Gorleston	1014.2	0	NNE	5	c	46	85	6	5	–	–	10	10	2500	1	4
	Mildenhall	1014.7	−2	NE'N	4	c	48	85	8	7	3	–	9	9+	1500	1	*
	Cranwell	1017.1	−2	NNE	4	c	47	75	7	5	3	–	2-3	9	1500	1	*
3	Birmingham	1017.1	−4	NNE	3	0	45	85	6	5	–	–	10	10	800	1	*
	Upper Heyford	1015.7	−6	NE'N	4	c	46	85	6	5	2	–	9	10	800	1	*
4	Ross-on-Wye	1016.6	−4	NE'N	4	z.	45	85	5	5	–	–	10	10	1500	1	*
5	Hartland Point	1015.3	−10	N	2	b	47	75	8	1	–	–	1	1	2500	0	2
	Bristol	1016.1	−8	NNE	4	z.	47	75	6	5	–	–	9	10	2500	1	*
	Portland Bill	1013.8	−8	NNE	3	c	49	75	7	5	2	–	4-6	10	2500	1	3
	Plymouth	1015.0	−2	NE	3	c	51	55	7	5	–	–	7-8	7-8	4000	0	1
	The Lizard	1015.1	−8	NN'W	2	bc	50	65	8	8	6	–	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1016.3	−10	NNE	4	c	47	85	8	8	6	–	4-6	7-8	2500	0	2
	Guernsey	1013.5	−4	N	3	z.	49	75	7	–	3	–	0	4-6	–	1	3
6	Pembroke	1016.4	−6	NNE	4	c	48	75	7	5	7	–	4-6	7-8	2500	1	1
7	Holyhead	1018.2	−10	NE'N	4	bc	46	65	8	5	–	–	4-6	4-6	4000	0	2
	Chester (Sealand)	1018.1	−8	NE	3	z.	48	65	6	5	–	–	9+	9+	2500	0	*
8	Manchester	1018.2	−10	NE'E	4	c	47	65	7	5	3	–	4-6	9+	2500	0	*
10	Spurn Head	1017.3	−2	NE'N	5	c	46	85	7	4	4	–	4-6	7-8	4000	0	4
	Catterick	1019.5	−6	N'E	3	c	45	65	7	5	7	–	4-6	9+	2500	0	*
	Tynemouth	1020.4	−6	NE	3	bc	46	75	7	2	–	–	4-6	4-6	2500	0	2
11	St. Abbs Head	1020.9	−4	NE	2	bc	42	75	8	2	4	–	2-3	4-6	2500	0	2
	Leuchars	1021.0	−10	ESE	2	b	46	75	8	7	–	–	Tr	Tr	4000	0	*
12	Renfrew (Abbotsl.)	1020.1	−10	E'N	3	b	51	55	8	1	–	–	Tr	Tr	5700	0	*
	Eskdalemuir	1019.9	−6	E	3	bc	44	55	8	5	–	–	4-6	4-6	2500	1	*
	Point of Ayre	1019.0	−12	E	2	b	49	65	8	1	4	–	Tr	1	4000	0	2
13A	Tiree	1019.3	−8	NSW	1	b	49	65	7	5	–	5	Tr	Tr	4000	0	2
13B	Stornoway	1019.4	−20	SW	2	b	53	55	8	5	–	5	1	1	4000	0	2
15	Dalwhinnie	1020.2	−18	SW	4	c	50	55	8	4	5	–	4-6	9+	2500	0	*
	Aberdeen	1021.0	−8	E	2	bc	45	85	6	1	3	–	Tr	4-6	2500	0	1
	Wick	1020.6	−10	S	3	bc	46	75	8	7	7	8	2-3	4-6	2500	0	1
16	Lerwick	1020.7	−6	NE	2	c	43	75	8	5	7	–	4-6	10	1500	0	*
17	Blacksod Point	1017.7	−12	NW	1	bc	53	65	9	1	–	–	2-3	2-3	7200	0	2
18	Malin Head	1020.0	−16	E	4	bc	49	65	8	1	–	–	2-3	2-3	5700	0	2
	Aldergrove	1019.5	−18	ESE	2	b	50	55	7	1	–	–	Tr	Tr	2500	0	*
19	Birr Castle	1018.6	−10	ENE	3	bc	51	55	7	1	8	–	2-3	2-3	2500	0	*
20	Valentia Obsy.†	1018.3	−4	W	3	b	53	75	8	1	–	1	1	1	2500	0	1
	Roches Point	1018.6	−8	SSW	3	bc	49	85	8	5	–	–	2-3	2-3	2500	0	1

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 2nd (37)	Weather. 13h.—18h. 2nd (38)	Weather. 18h 2nd to 1h. 3rd (39)	Weather. 1h.—7h. 3rd (40)
1	London (Kew)	cm.cz.	cz.cm.	cm.dd.c	cbcbz.w
	Croydon	cm.	cm.	dfd.d.m	cbcm.
	S. Farnborough	cd.d.d	cbc	cid.c	cid.c
	Boscombe Down	c	cbccid.	cm.	cm.c
	Calshot (Soton.)	cm.c	ccm.	cm.	cm.c
	Lympne	cm.id.	om.dmfdd	fddd.m.	om.bc
	Manston	oddm.	odd.d.m	oidsm.c	bcb
2	Shoeburyness	m.ddc	cidm.o	oidm.c	cm.bw
	Felixstowe	oid.m.	oid.	oid.c	cbw
	Gorleston	coid.	oid.c	cq.bc	bcc
	Mildenhall	cid.c	coc	cpr.cb	bm.wbc
	Cranwell	ccid.	cd.m.c	cbc	cbcm.wc
3	Birmingham	cbcc	c.o	c	oc
	Upper Heyford	c	cid.c	cir.	cbcm.
4	Ross-on-Wye	cbccy	ccz.	cm.	c
5	Hartland Point	cbc	bcbbc	bcc	c
	Bristol	c	cz.	cz.cm.	cm.c
	Portland Bill	c	c	c	c.o
	Plymouth	bccbcy	bcycy	bcycz.	cz.
	The Lizard	cbcc	cbc	bcc	cbcw
	Scilly (St. Mary's)	c	c	cbcc	c
	Guernsey	oirc	c	cz.	oro.ir
6	Pembroke	c	c	cbcc	cm.
7	Holyhead	c,bc	bc	bcc	c
	Chester (Sealand)	bccz.y	cz.y	cz.m.	cm.mw
8	Manchester	bcz.czy	cz.yc	cbcz.	bcz.cz
10	Spurn Head	cqd.c	cqc		c
	Catterick	ir.cir.	c	ccm.w	cm.bm.w
	Tynemouth	cmpbc	cbc	bc	bcm
11	St. Abbs Head	c	bc	c	cbcb
	Leuchars	cbc	bcb	pbcwx	cm.bcw
12	Renfrew (Abbotsl.)	pr.cbcy	bcby	bybm.	cbcm.xbf
	Eskdalemuir	cbcy	bcy	bcyc	cbcc
	Point of Ayre	cbcb	bbcb	bcc	c
13A	Tiree	c	cbcb	bw	bbc
13B	Stornoway	bc	bcby	bcb	b
15	Dalwhinnie	cbc	c		c
	Aberdeen	cbcb	bbc	bcb,c	c
	Wick	bcc	cbc	bcc	c
16	Lerwick	cid.	c	c	cir.
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head	cbcc	bc	bc	bcc
	Aldergrove	ccy	cyby	bybw	b,cbcm.
19	Birr Castle	bbc	bc	bc	bcxc
20	Valentia Obsy.†	bwb	b	bbcw	bcwcdr
	Roches Point	bbc	bc	bcc	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. ☾ lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 of the sky.

"9 +" signifies an overcast sky with a few small openings.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

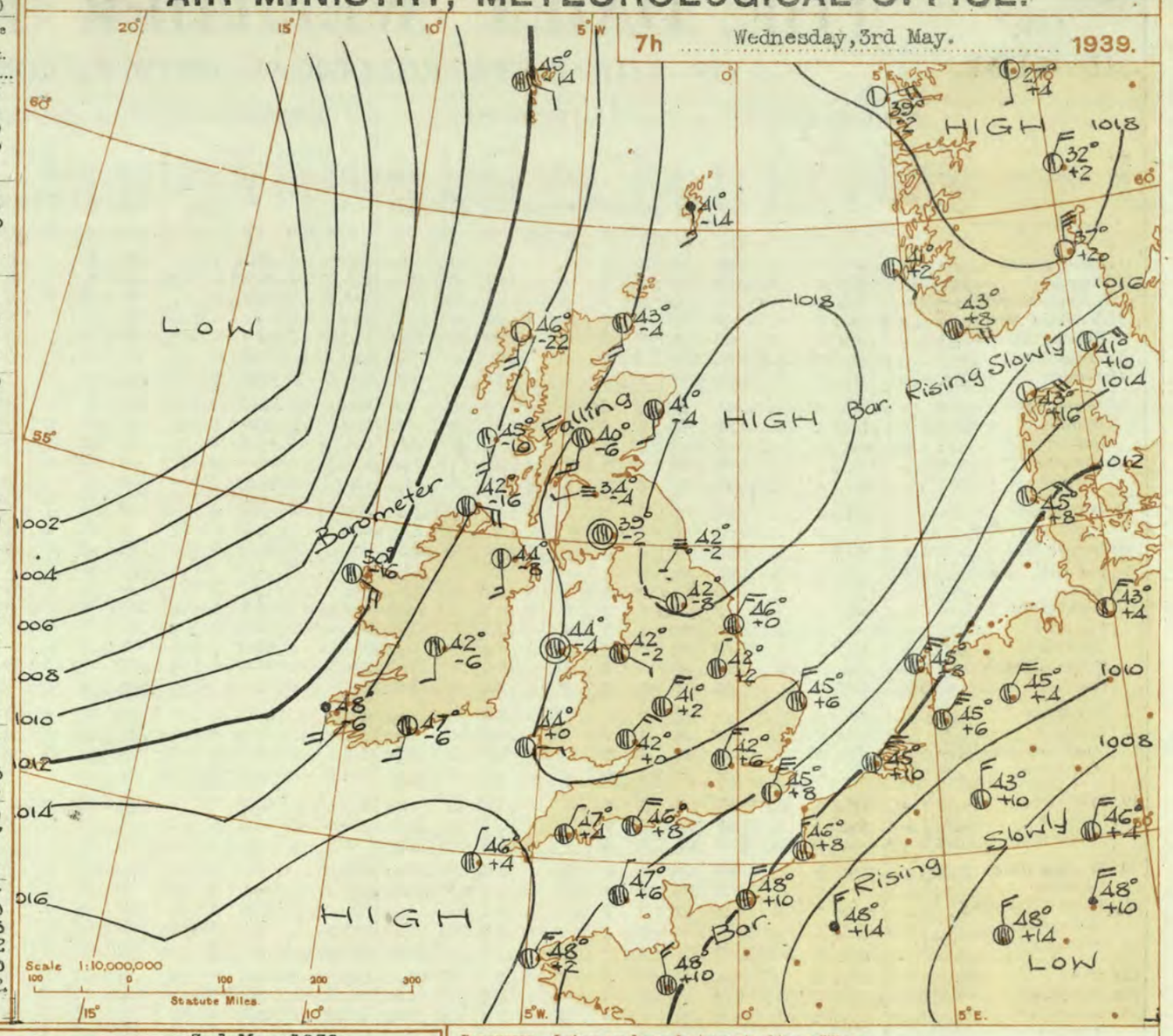
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 2nd May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 1st to 9h. 2nd	Temperature. Max. 9h.—17h. 2nd	Rainfall. (mm.) Night. 17h. 1st to 9h. 2nd	Rainfall. Day. 9h.—17h. 2nd	Sunshine. (Hrs.) Sunrise to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
1	Tunbridge W.	ocod.	ood.	40	49	8	Trace	0.1	0.0
	Bournemouth	oc	c	41	51	1	—	0.1	0.0
	Ventnor ...	robcc	bco	41	53	3	—	3.0	0.0
	Southsea ...	c	c	43	52	2	—	0.2	0.0
	Bognor Regis	bccbc	co	42	51	5	—	1.3	0.0
	Littlehampton	bcc	c	42	51	5	—	1.2	0.0
	Worthing ...	o	o	42	51	4	—	0.0	0.0
	Brighton ...	o	o	42	52	3	—	0.0	0.0
	Eastbourne† ...	oco	o	42	52	4	—	0.2	3.5
	Hastings† ...	o	o	42	49	4	—	0.0	4.0
	Folkestone ...	mo	ddom.	44	48	6	0.5	0.0	1.4
	Dover ...	od	do	44	48	7	0.3	0.0	0.6
	Deal	oor.	oro	45	48	8	Trace	0.0	0.0
	Ramsgate ...	od	o	43	46	11	Trace	0.0	0.0
	Margate ...	c	c	44	47	10	—	0.0	0.0
2	Southend ...	oco	ood.	42	49	6	Trace	0.0	0.0
	Clacton-on-Sea	oid.	oid.	43	48	5	Trace	0.0	0.0
	Dovercourt ...	oc	ocd	44	47	2	Trace	0.0	0.0
	Lowestoft ...	cidrc	circr	44	46	—	0.2	0.0	0.0
	Skegness ...	oc	bcob	43	49	—	—	1.1	1.1
	Mablethorpe...	o	obc	43	48	—	—	0.0	0.1
	Cleethorpes ...	oc	bc	43	47	—	—	0.0	0.0
3	Leamington S.	oc	co	41	49	0.1	—	0.3	0.0
4	Cheltenham†	c	cod.	39	50	1	Trace	0.1	0.0
5	Bath	c	c	41	51	1	—	0.1	0.0
	Weymouth ...	c	c	41	51	1	—	0.3	0.0
	Jersey ...	pc	cbc	45	52	0.6	—	1.4	3.9
	Torquay ...	co	cobcy	42	51	0.2	—	0.9	0.0
	Falmouth ...	bc	bc	42	52	—	—	4.3	0.0
	Penzance ...	b	b	44	52	Trace	—	10.4	0.0
	St. Ives ...								
	Bude... ...	bcb	b	42	51	—	—	11.2	0.0
	Ilfracombe ...	dcbc	bbcz	41	51	0.4	—	10.8	0.0
6	Aberystwyth	bcc	bc	38	53	—	—	10.3	0.0
7	Llandudno ...	bbc	cbcc	41	50	—	—	5.4	9.1
	Colwyn Bay...	bcbbc	bcco	39	48	—	—	5.4	8.3
	Rhyl	bbc	c	37	49	—	—	5.4	7.3
8	Wallasey ...	bcc	c	37	50	—	—	4.1	7.9
	Southport ...	xbbcc	c	32	52	—	—	3.3	8.7
	Blackpool ...	bcyc	c	34	50	—	—	5.2	12.3
	Morecambe ...	bcc	cbcc	36	49	—	—	5.1	13.3
9	Ilkley... ...	odoc	c	38	46	Trace	Trace	0.0	8.7
	Harrogate ...	c	c	37	45	Trace	—	0.3	6.9
10	Berwick-on-T.	obcc	cbc	40	46	Trace	—	2.6	8.5
11	Dunbar ...	bcm.	bc	39	46	Trace	—	6.8	8.2
12	Troon... ...	bccoc	bcb	37	52	—	—	7.6	6.9
	Douglas ...	bc	bc	39	50	—	—	8.7	13.2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
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. 3rd May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind variable to southerly, light; fine or fair; warmer by day but some local ground frost tonight.
5 S.W. England 6 South Wales ...	Wind southerly, moderate; fair; cloud increasing; becoming warmer.
7 North Wales ... 8 N.W. England	Wind south, freshening; fair today; cloud increasing with some rain or drizzle in places later; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1 - 4.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotland 13 B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind south, freshening to strong perhaps gale off the northwest coast; cloud increasing; occasional rain or drizzle spreading from west later today; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Wind south, fresh to strong locally on coast, veering southwest; cloudy; a period of rain or drizzle; average temperature.
19 S.E. Ireland	As 7 - 8.
20 S. W Ireland	As 17 - 18.

GENERAL INFERENCE.

A belt of high pressure from west of Spain across England to Scandinavia will move slowly southeast and a depression south of Iceland will tend to become stationary. Weather will be fine to fair over most of England and Wales but will become unsettled with some rain elsewhere. There will be a slow change to warmer weather generally.

FURTHER OUTLOOK.

Unsettled but warmer.

Time of issue of Gale Warning.

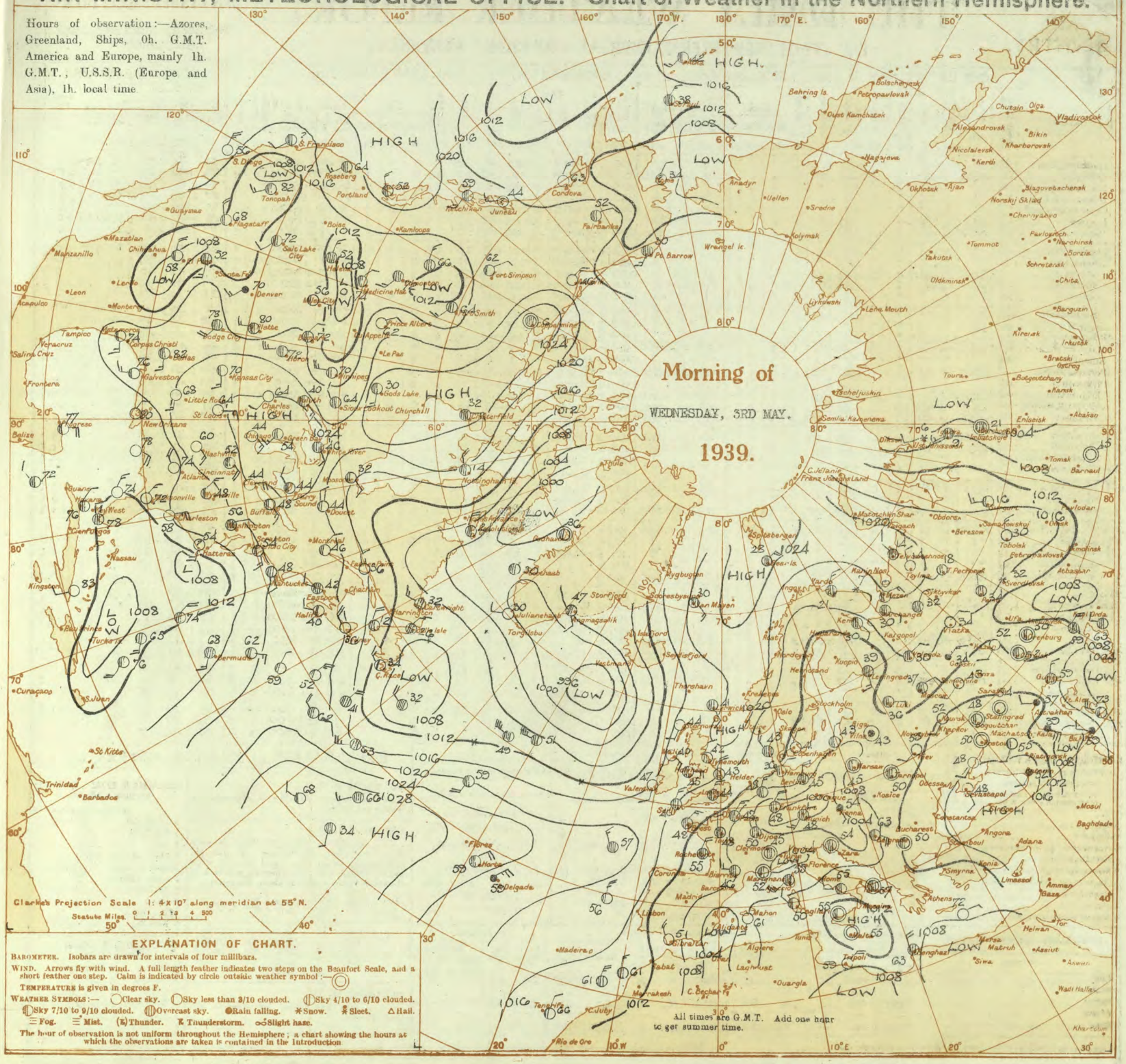
South cone hoisted at 0900 G.M.T. on 3rd in districts 13B and 16.

Forecasts issued at 0945 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 3rd May, 1939.
No. 28286

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1014·4	−2	NEN	3	c	44	97	7	6	-	-	10	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013·2	0	NNE	4	o	45	92	6	5	-	-	10	10	800
	Manston ...	154	1013·2	0	NNE	4	c	45	92	7	5	-	-	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014·9	0	NNE	4	bc	45	85	8	-	4	-	0	2-3	-
	Mildenhall ...	19	1015·4	−2	NW	2	b	38	97	7	-	4	-	0	Tr	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015·6	−6	NE	3	c	45	92	8	5	-	-	7-8	7-8	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1013·7	+4	NE	3	c	46	85	8	5	-	-	10	10	2500
	Plymouth ...	82														
	The Lizard ...	240	1015·5	−2	-	0	c	44	75	7	8	2	-	7-8	9+	2500
	Scilly (St. Mary's)	163	1016·3	−6	NNE	3	c	46	85	7	8	6	-	7-8	9+	2500
	Guernsey ...	175	1013·3	−2	NNE	2	o	48	85	6	5	-	-	10	10	1500
6	Pembroke ...	142	1017·2	+2	E	2	c	45	85	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1017·2	−12	E	3	c	45	75	7	5	-	-	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·3	0	NEN	4	c	43	85	8	4	4	-	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1019·4	−6	NNE	2	bc	42	85	7	2	3	-	2-3	4-6	1500
11	St. Abbs Head	280	1020·0	−6	E	2	c	42	75	9	5	2	-	7-8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018·5	−2	SSE	1	bc	41	85	7	5	5	-	2-3	2-3	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016·5	−10	SSW	2	b	44	92	7	5	-	-	Tr	Tr	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017·5	−14	SSE	5	c	45	92	8	5	1	-	7-8	9+	1500
16	Lerwick ...	156	1015·1	−8	SE	2	c	41	75	8	5	7	-	4-6	10	1500
17	Blacksod Point	18	1014·3	−12	S	3	bc	45	75	8	-	-	4	0	4-6	-
18	Malin Head ...	84	1017·2	−14	ESE	3	b	40	75	8	-	-	-	0	0	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·7	−6	SE	2	b	47	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations.	Barom. at M.S.L. ·mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount Low 0–10 (26)	Cloud. Amount Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1015·5	+6	NE'E	3	zo	44	75	6	1	-	-	Tr	Tr	1500	1	*
Croydon ...	1015·5	+6	NE'N	3	zo	42	92	5	5	-	-	7-8	7-8	1500	1	*
S. Farnborough	1015·3	+8	NE	3	bc	43	85	7	1	4	-	2-3	2-3	2500	1	*
Boscombe Down	1015·6	+8	NE	3	c	43	85	7	5	3	-	4-6	9	2500	1	*
Calshot (Sthmtn.)	1014·4	+4	N'E	3	zo	47	85	7	1	3	-	Tr	9	4000	1	§ 1
Lympne ...	1014·1	+8	NNE	5	bc	45	85	7	5	-	1	2-3	2-3	1500	1	§ 2
Manston ...	1014·0	+10	NNE	5	bc	46	75	7	5	-	1	1	2-3	1500	1	*
Shoeburyness ...	1015·0	+6	NNE	4	b	45	85	8	2	-	4	Tr	Tr	2500	1	*
Felixstowe ...	1015·1	+10	NEE	3	b	44	85	7	7	-	-	1	1	4000	0	1
Gorleston ...	1015·5	+6	NNE	4	c	45	75	7	8	-	-	7-8	7-8	4000	0	3
Mildenhall ...	1016·0	+4	NNE	4	bc	44	85	7	1	5	9	1	2-3	2500	1	*
Cranwell ...	1017·7	+2	NNE	1	c	42	85	7	5	4	-	9	9	5700	1	*
Birmingham ...	1017·0	+2	NE	3	zo	41	92	5	5	3	-	7-8	9+	2500	1	*
Upper Heyford	1016·5	−2	NE	3	bc	43	85	7	5	-	-	4-6	4-6	1500	1	*
Ross-on-Wye	1016·8	0	NEE	3	c	42	85	7	5	-	-	10	10	1500	1	*
Hartland Point	1015·4	+4	ENE	3	c	45	85	7	5	-	-	9+	9+	1500	0	2
Bristol ...	1016·5	+6	NE	3	c	43	85	7	5	-	-	9+	9+	1500	1	*
Portland Bill ...	1014·1	+8	NE	4	o	46	85	7	5	-	-	10	10	2500	1	3
Plymouth ...	1015·1	+4	NE	1	zo	47	75	6	5	-	-	9+	9+	1500	1	1
The Lizard ...	1016·3	+4	N'E	2	bc	46	85	7	4	-	-	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1016·2	+4	N'E	1	c	46	85	7	8	6	-	4-6	9+	2500	0	1
Guernsey ...	1013·6	+6	NNE	1	o	47	92	6	5	-	-	10	10	800	1	2
Pembroke ...	1016·0	0	E	1	c	44	85	6	5	-	-	9+	9+	2500	1	1
Holyhead ...	1015·8	−4	-	0	c	44	85	7	-	3	-	0	9	-	0	1
Chester (Sealand)	1017·5	−2	SE	1	zo	42	85	5	5	3	-	4-6	7-8	4000	0	*
Manchester ...	1017·3	0	E'S	2	m	44	75	4	5	-	-	10	10	4000	0	*
Spurn Head ...	1017·2	0	NE	3	c	46	75	8	2	-	-	9+	9+	2500	0	3
Catterick ...	1018·0	−8	WNW	1	zo	42	85	6	7	3	-	1	2-3	2500	1	*
Tynemouth ...	1018·2	−2	SW	1	m	42	85	4	5	-	-	2-3	2-3	1500	0	1
St. Abbs Head	1017·3	−6	S	2	b	43	75	8	1	3	-	1	1	1500	0	2
Leuchars ...	1017·1	−6	-	0	c	39	92	7	8	7	-	4-6	7-8	2500	1	*
Renfrew (Abbots I.)	1017·6	−4	W8	1	bf	34	92	3	-	-	-	0	0	-	0	*
Eskdalemuir ...	1016·9	−2	-	0	c	39	75	7	5	-	-	7-8	7-8	2500	1	*
Point of Ayre ...	1016·5	−2	S	4	c	46	85	8	5	-	-	9+	9+	2500	0	2
Tiree	1013·6	−10	SSE	4	bc	45	85	7	2	6	-	4-6	4-6	2500	0	3
Stornoway ...	1014·0	−22	S	4	b	46	75	8	1	4	6	Tr	1	4000	0	2
Dalwhinnie ...	1016·5	−6	SSW	3	c	40	65	8	4	6	-	4-6	7-8	2500	0	*
Aberdeen ...	1017·0	−4	S	2	c	41	75	7	5	-	-	7-8	7-8	5700	0	1
Wick ...	1015·4	−4	S	4	c	43	85	9	5	4	1	7-8	9	1500	0	2
Lerwick ...	1017·0	−14	SE	3	ir	41	85	8	5	2	-	7-8	10	800	1	*
Blacksod Point	1010·7	−16	SE	4	c	50	85	7	-	2	-	0	9	-	0	3
Malin Head ...	1014·6	−16	ESE	4	c	42	75	8	7	4	2	2-3	7-8	5700	0	1
Aldergrove ...	1015·2	−8	SSE	3	zo	44	85	6	5	-	-	4-6	4-6	4000	0	*
Birr Castle ...	1014·5	−6	S	2	c	42	85	8	5	-	-	10	10	2500	0	*
Valentia Obsy. †	1013·7	−6	S	4	dr	48	92	[illegible]	5	-	-	10	10	800	1	2
Roches Point	1015·7	−6	SW	3	c	47	85	[illegible]	5	-	-	9+	9+	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 2nd Hrs. (36)
London (Kew)	50	41	37	-	0·4	0·1
Croydon ...	49	40	36	-	1	0·0
S. Farnborough	51	41	39	-	Tr	0·2
Boscombe Down	49	41	41	Tr	Tr	0·5
Calshot (Sthmtn.)	53	44	44	-	-	1·0
Lympne ...	46	43	40	0·2	0·2	0·0
Manston ...	46	43	41	0·1	0·1	0·0
Shoeburyness ...	50	39	33	0·1	Tr	0·0
Felixstowe ...	48	38	35	0·1	Tr	0·0
Gorleston ...	47	43	41	Tr	-	0·0
Mildenhall ...	50	31	28	Tr	Tr	0·2
Cranwell ...	48	36	33	Tr	-	1·2
Birmingham ...	49	39	39	-	-	*
Upper Heyford	48	38	34	Tr	Tr	*
Ross-on-Wye	51	41	40	-	-	2·9
Hartland Point	49	44	42	-	-	10·2
Bristol ...	49	42	39	-	-	1·4
Portland Bill ...	50	44	*	-	-	*
Plymouth ...	53	46	44	-	-	8·0
The Lizard ...	50	41	*	-	-	5·5
Scilly (St. Mary's)	51	43	*	-	-	5·1
Guernsey ...	50	46	45	Tr	2	1·6
Pembroke ...	50	41	*	-	-	8·3
Holyhead ...	48	42	37	-	-	8·0
Chester (Sealand)	50	36	29	-	-	3·8
Manchester ...	49	42	36	-	-	1·2
Spurn Head ...	48	41	*	Tr	-	0·2
Catterick ...	46	33	28	Tr	Tr	0·8
Tynemouth ...	46	35	28	Tr	-	6·2
St. Abbs Head	45	37	*	-	-	*
Leuchars ...	49	33	26	-	-	11·0
Renfrew (Abbots I.)	54	30	25	Tr	-	8·0
Eskdalemuir ...	51	31	26	-	-	7·1
Point of Ayre ...	50	37	*	-	-	9·3
Tiree	52	37	32	-	-	5·7
Stornoway ...	53	42	*	-	-	12·5
Dalwhinnie ...	55	33	26	-	-	5·9
Aberdeen ...	48	40	37	-	-	10·7
Wick ...	49	43	*	-	-	*
Lerwick ...	48	40	*	Tr	Tr	0·0
Blacksod Point	55	43	*	-	-	*
Malin Head ...	49	37	*	-	-	6·4
Aldergrove ...	50	32	27	-	-	5·7
Birr Castle ...	52	33	22	-	-	13·2
Valentia Obsy. †	56	43	36	Tr	0·2	13·3
Roches Point	52	46	*	-	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	cmozo	czocmo	cmddz	50	41	37	-	0·4	0·1	*	*	6
Croydon ...	217	cmo	cmo	dfddomo	49	40	36	-	1	0·0	*	*	6
Greenwich (Royal Observatory) ...	149	c	c	crcb	51	40	35	-	0·3	0·2	80	64	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	41	36	0·8		0·1	83	67	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	51	40	37	0·2	0·3	0·1	85	59	*
Camden Square ...	110	c	c	*	51	40	36	-	0·5	*	*	68	*
Kensington ...	80	cr	c	*	52	41	37	Tr	0·5	0·1	18h 87	65	*
Hampstead Observatory ...	450	c	or	odbc	48	38	34	0·2	0·3	0·2	*	71	*

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

South Kensington. Max.	Time.	Min.	Time.
<0·3 whole period.			

Kew Observatory. Max.	Time.	Min.	Time.
0·1	16-21h 2nd	<0·1	1h 3rd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...	1007·7	NNW	4	c	52	1008·7	N	3	id	48	54	45	-	Tr
Brussels ...														
Berlin ...	1009·9	N	4	c	48	1008·5	N	5	c	45	54	43	-	-
Zurich ...	1001·2	N	1	c	57						*		-	-
Rome ...	1007·3	S	4	bc	59	1009·2	SSW	4	bc	59		*	3	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 4th May 1939.
No. 28287

OBSERVATIONS at 13h. G.M.T. 3rd May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	°Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015·7	0	NE'N	3	c	53	59	7	7	-	-	9	9	2500
	Croydon	1015·4	-2	NE	3	c	52	65	6	4	-	-	9	9	4000
	S. Farnborough	1015·4	-2	NNE	2	c	55	55	8	7	3	-	9	9	4000
	Boscombe Down	1015·5	-6	NE	2	c	55	55	8	1	4	-	4·6	7·8	2500
	Calshot (Soton.)	1015·3	+4	SSE	2	c	53	65	8	1	-	-	9+	9+	4000
	Lympne	1015·9	+8	NNE	4	c	48	65	8	5	-	-	9+	9+	2500
	Manston	1016·3	+10	N'E	4	c	47	75	8	5	-	-	9+	9+	2500
2	Shoeburyness	1016·3	+2	ENE	4	c	48	75	8	5	-	-	9+	9+	2500
	Felixstowe	1016·3	+6	ENE	4	c	47	75	8	7	-	-	9+	9+	1500
	Gorleston	1016·2	0	NNE	4	c/pr	48	75	6	8	-	-	10	10	2500
	Mildenhall	1016·3	-4	NE'N	3	c	50	65	8	5	-	-	9+	9+	4000
	Cranwell	1016·7	-6	NE	2	c	55	65	8	4	9	-	7·8	7·8	4000
3	Birmingham	1016·3	-2	E	2	c	51	65	6	5	-	-	9	9	2500
	Upper Heyford	1016·4	-2	ENE	3	c	54	55	7	8	-	-	7·8	7·8	4000
4	Ross-on-Wye	1015·7	-8	E	2	bc	55	55	8	7	-	-	4·6	4·6	4000
5	Hartland Point	1016·0	+2	NE	1	c	47	92	7	5	2	-	7·8	10	1500
	Bristol	1016·1	-6	E	2	bc	55	55	8	7	4	-	4·6	4·6	4000
	Portland Bill	1015·5	+2	WSW	2	c	52	85	7	5	4	-	4·6	7·8	2500
	Plymouth	1016·1	+6	SSW	2	2_o	49	85	6	5	-	-	10	10	1500
	The Lizard	1016·1	+6	W	2	c	56	65	7	8	6	-	7·8	7·8	2500
	Scilly (St. Mary's)	1016·4	-2	WNW	2	bc	55	75	7	2	6	6	1	4·6	2500
	Guernsey	1015·3	+6	NE	2	c	52	85	7	5	3	8	4·6	7·8	1500
6	Pembroke	1016·4	+2	S'W	2	c	50	75	7	5	6	-	4·6	7·8	2500
7	Holyhead	1015·1	-6	S	3	bc	54	65	7	8	4	-	2·3	2·3	5700
	Chester (Sealand)	1015·8	-14	SE	3	bc	57	45	6	7	-	-	2·3	2·3	4000
8	Manchester	1016·0	-14	SSE	2	2_o	54	45	6	2	3	-	4·6	9	4000
10	Spurn Head	1017·3	0	E	2	c	51	65	8	2	-	-	7·8	7·8	4000
	Catterick	1016·1	-10	-	0	bc	53	55	8	7	-	-	4·6	4·6	4000
	Tynemouth	1016·8	-6	SE	4	bc	46	75	7	2	-	-	2·3	2·3	2500
11	St. Abbs Head	1015·7	-4	SSE	4	c	45	85	8	5	6	-	4·6	9+	2500
	Leuchars	1014·9	-14	S	3	c	52	55	7	7	7	-	4·6	9+	4000
12	Renfrew (Abbotsl.)	1014·7	-14	S	3	c	51	55	8	7	-	-	9+	9+	1500
	Eskdalemuir	1014·7	-10	S'W	3	c	51	45	8	5	-	-	9	9	2500
	Point of Ayre	1015·0	-8	S	4	bc	55	75	7	8	4	-	4·6	4·6	2500
13A	Tiree	1010·7	-10	SSE	5	bc	53	65	7	7	4	2	1	4·6	4000
13B	Stornoway	1011·9	-12	SSE	4	c	52	65	7	5	7	7	4·6	10	4000
15	Dalwhinnie	1013·6	-16	S	4	c	47	55	8	4	6	-	4·6	9+	2500
	Aberdeen	1015·4	-12	S'E	4	c	47	75	6	2	-	-	7·8	7·8	1500
	Wick	1013·0	-12	SSE	5	b	49	75	8	7	-	-	1	1	2500
16	Lerwick	1015·1	-16	S'E	5	c/d	44	92	7	8	2	-	7·8	9+	800
17	Blacksod Point	1008·9	-10	SSE	5	dd	51	92	6	6	-	-	10	10	<150
18	Malin Head	1010·9	-18	S	5	c	56	65	7	8	-	9	4·6	7·8	5700
	Aldergrove	1013·1	-10	S'W	3	c	52	65	7	7	-	-	9+	9+	4000
19	Birr Castle	1013·0	-10	SW	3	c	53	65	8	5	2	-	7·8	10	1500
20	Valentia Obsy.†	1012·2	-10	S	5	$1r_o$	50	97	6	5	-	-	10	10	800
	Roches Point	1019·6	-8	SSW	4	c	50	92	8	5	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 3rd May

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	°Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. (29)	Sea. 0–9 (30)
1	London (Kew)	1015·5	-2	S	2	2_o	51	65	5	5	-	-	10	10	2500	1	*
	Croydon	1015·8	+6	E	2	2_o	50	75	6	4	-	-	9+	9+	4000	1	*
	S. Farnborough	1015·3	+2	NNE	1	c	53	65	7	5	-	-	9+	9+	4000	1	*
	Boscombe Down	1015·3	+2	SSE	2	c	53	75	7	5	-	-	2-3	10	4000	0	*
	Calshot (Soton.)	1015·6	+2	SW	2	c	51	75	7	5	-	-	9+	9+	5700	1	1
	Lympne	1015·6	-4	NE'N	3	bc	45	75	8	5	-	-	4·6	4·6	2500	1	§2
	Manston	1015·6	0	NE'N	3	c	45	75	7	5	3	-	4·6	7·8	2500	1	*
2	Shoeburyness	1016·1	-2	NE'E	3	c	47	85	8	5	-	-	7·8	7·8	4000	1	*
	Felixstowe	1016·0	-4	E	2	c	46	75	7	6	-	-	9+	9+	1500	0	1
	Gorleston	1015·8	-2	N	3	c	46	65	7	5	-	-	10	10	2500	0	2
	Mildenhall	1016·0	+2	NE'N	1	c	50	65	8	5	-	-	9	9	4000	1	*
	Cranwell	1015·8	+2	E'S	3	c	48	85	8	5	5	-	7·8	7·8	4000	0	*
3	Birmingham	1015·2	-2	ESE	1	c	52	55	6	5	3	-	2-3	10	2500	1	*
	Upper Heyford	1016·0	+2	ENE	2	c	51	65	7	5	-	-	10	10	4000	1	*
4	Ross-on-Wye	1014·9	-4	E'S	2	c	54	65	8	5	-	-	10	10	2500	1	*
5	Hartland Point	1015·1	-2	W	2	c	48	85	7	5	-	-	7·8	7·8	1500	0	1
	Bristol	1015·3	-4	W	2	c	52	75	8	5	7	-	7·8	9+	2500	1	*
	Portland Bill	1015·6	+4	WSW	2	c	49	85	7	5	4	-	4·6	7·8	2500	1	3
	Plymouth	1015·8	-2	SW'S	1	2_o	49	85	6	5	7	-	7·8	9+	4000	1	1
	The Lizard	1015·7	0	W'S	2	bc	52	75	7	4	-	-	4·6	4·6	2500	0	1
	Scilly (St. Mary's)	1015·8	-2	SW'W	2	bc	51	85	7	-	3	3	0	4·6	-	0	1
	Guernsey	1015·3	0	NNE	1	b	50	75	7	1	-	-	Tr	Tr	2500	0	2
6	Pembroke	1015·2	-6	SW	2	2_o	49	85	6	-	4	-	0	Tr	-	1	1
7	Holyhead	1013·6	-10	SSE	4	bc	50	65	7	5	-	-	4·6	4·6	4000	0	2
	Chester (Sealand)	1014·6	-6	SE	2	2_o	54	55	6	5	-	-	10	10	2500	0	*
8	Manchester	1014·6	-4	SSE	2	2_o	54	55	6	5	-	-	9+	9+	7200	0	*
10	Spurn Head	1016·6	-4	E'S	2	c	45	85	8	4	6	-	4·6	7·8	4000	0	2
	Catterick	1014·4	-6	S'E	1	c	53	55	8	5	-	-	10	10	4000	0	*
	Tynemouth	1015·2	-6	SE	4	c	45	75	8	5	-	-	9+	9+	2500	0	1
11	St. Abbs Head	1014·0	-8	SSE	4	c	45	85	8	5	3	-	4·6	7·8	2500	0	2
	Leuchars	1012·8	-14	SE	3	c	50	75	7	5	-	-	9+	9+	4000	0	*
12	Renfrew (Abbotsl.)	1012·3	-16	SW	3	c	52	65	8	8	6	5	4·6	7·8	2500	0	*
	Eskdalemuir	1013·1	-10	SSW	4	bc	50	45	8	5	-	4	2-3	4·6	2500	1	*
	Point of Ayre	1013·7	-10	S	3	bc	51	75	8	-	-	2	0	2-3	-	0	2
13A	Tiree	1008·6	-8	SSE	4	id.	49	85	7	5	-	-	10	10	1500	1	3
13B	Stornoway	1009·2	-8	S	5	c	51	65	7	7	5	7	7·8	10	4000	0	3
15	Dalwhinnie	1012·3	-16	S	4	c	48	55	7	4	6	1	4·6	7·8	2500	0	*
	Aberdeen	1013·6	-10	S	3	c	45	85	7	5	3	-	2-3	7·8	1500	0	2
	Wick	1010·3	-16	SSE	5	bc	47	75	6	5	5	-	2-3	4·6	1500	0	3
16	Lerwick	1013·1	-6	S'E	5	c	45	85	8	5	3	-	4·6	9	800	1	*
17	Blacksod Point	1008·5	-4	S	3	c	53	85	8	4	3	-	2-3	7·8	800	1	3
18	Malin Head	1009·3	-8	S	5	2_o	53	75	6	5	7	-	4·6	7·8	4000	0	2
	Aldergrove	1011·2	-6	S'E	4	c	52	65	7	5	-	-	10	10	2500	0	*
19	Birr Castle	1011·4	-10	S	2	c	52	75	8	5	1	-	7·8	10	1500	0	*
20	Valentia Obsy.†	1011·3	0	WSW	2	c	54	85	8	5	-	6	4·6	7·8	1500	1	2
	Roches Point	1012·4	-12	S	4	id	49	97	6	5	-	-	10	10	950	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 3rd (37)	13h.—18h. 3rd (38)	18h. 3rd to 1h. 4th (39)	1h.—7h. 4th (40)
1	London (Kew)	bz$_o$wbccy	cycz$_o$	cz$_o$	cm$_o$
	Croydon	bcm$_o$cbcm	cz$_o$	czbm$_o$w	bbcm$_o$bw
	S. Farnborough	bz$_o$cy	cy	cbm$_o$w	bm$_o$wbc
	Boscombe Down	cbc	bcyccyc	ccm$_o$c	cbccm$_o$
	Calshot (Soton.)	cm$_o$bc	c	ccm$_o$	cm$_o$ccm$_o$
	Lympne	b,c	cbc	bcbwx	bxcb,c
	Manston	bbcc	cbc	bcbwx	bxcb,c
2	Shoeburyness	b,c	cbc	bc	bcbwc
	Felixstowe	boc	cc$_o$pr$_o$c	c,b	bx,cbcm$_o$
	Gorleston	cpr$_o$	c	c	cbcz$_o$
	Mildenhall	c	ccvc	cbcbbm$_o$	bm$_o$xbm$_o$
	Cranwell	cbc	cbc	bcbw	bxm$_o$bcf
3	Birmingham	cbcc	c	cbc	bcb
	Upper Heyford	bccy	cyc	c	ccm$_o$
4	Ross-on-Wye	cbc	bcycc	ccm$_o$	bm$_o$wco
5	Hartland Point	c	c	cbccbc	bcc
	Bristol	cbcy	bccy	cm$_o$	cbccbcm$_o$
	Portland Bill	oc	c	bcc	c
	Plymouth	cz$_o$o	cbccm$_o$	cbcc,bm$_o$	bm$_o$wcm$_o$
	The Lizard	c	cbc	bcb	bbcc
	Scilly (St. Mary's)	cbc ⊕	bc	bcc	cid$_o$
	Guernsey	oidmc	cbcb	bwbcw	bc
6	Pembroke	c	c,bz$_o$	bccz$_o$	irm$_o$o
7	Holyhead	cbbc	bcby	bcb,c	bcm$_o$c
	Chester (Sealand)	cm$_o$wcbcy	bccz$_o$y	cym$_o$	c,bbcmm$_o$w
8	Manchester	czz$_o$y	cz$_o$cz$_o$y	cyz$_o$	cz$_o$bz$_o$
10	Spurn Head	c	c	bcbw	bw
	Catterick	bm$_o$bcy	cy	cybcc	ccm$_o$
	Tynemouth	bcm	bcc	c	cbc
11	St. Abbs Head	bcc	c	cbc	bcbz$_o$
	Leuchars	bccy	cyc	cbc	bcbxbc
12	Renfrew (Abbotsl.)	bbccffmy	cyc	bccm$_o$	cm$_o$id$_o$ir$_o$
	Eskdalemuir	ccy	cybcy	bcycz$_o$	cbcw
	Point of Ayre	cbc	bc	bcb	c
13A	Tiree	cbc	bccod	od$_o$rd	c
13B	Stornoway	bc	c	cr$_o$r$_o$	cprir$_o$
15	Dalwhinnie	c	c		c
	Aberdeen	ccz$_o$	cz$_o$c	cbc	bcz$_o$
	Wick	bcb	bbcz$_o$	bcc	c
16	Lerwick	cir$_o$id$_o$	circ	c	c
17	Blacksod Point	idq	id	cq	ir$_o$q
18	Malin Head	cbcc	z$_o$	cpr$_o$c	c
	Aldergrove	bcm$_o$y,c	c	c	r$_o$d$_o$d$_o$id$_o$
19	Birr Castle	c	c	circ	c
20	Valentia Obsy.†	drir.	cr$_o$f$_o$c	cbcpr$_o$	cir$_o$
	Roches Point	c	coid	odde	oidc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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).
FQ, 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). ⚡gale.
⊕ Solar halo. ☽ Lunar halo. ☆ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

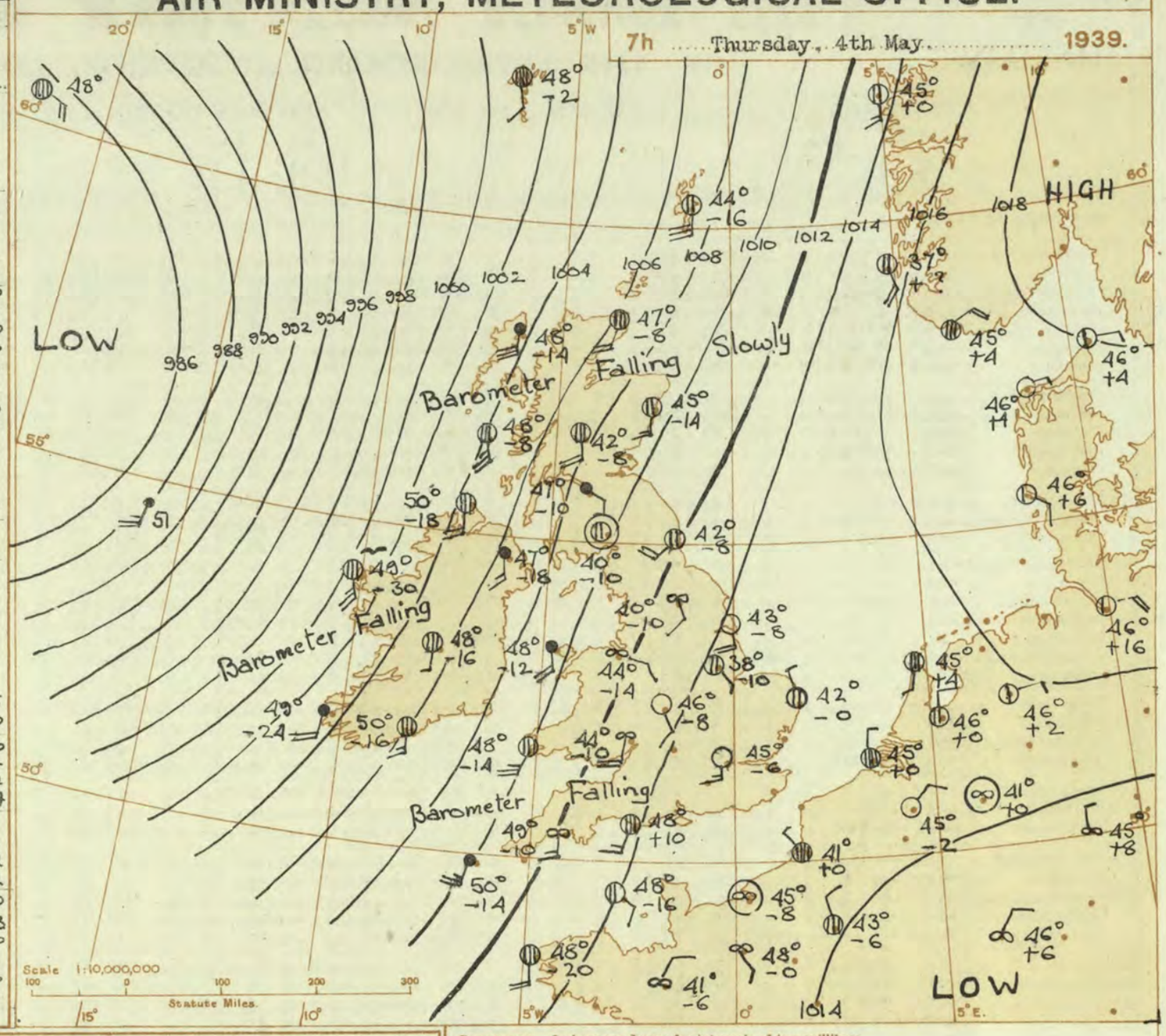
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 3rd May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 2nd to 9h. 3rd	Temperature. (°F) Max. 9h.—17h. 3rd	Rainfall. (Inm.) Night. 17h. 2nd to 9h. 3rd	Rainfall. (Inm.) Day. 9h.—17h. 3rd	Sunshine. (Hrs.) Sunrise to 17h. 3rd	Sunshine. (Hrs.) Sunrise to Sunset. 2nd
1	Tunbridge W.	bcc	cbc	41	53	0·5	-	6·0	0·1
	Bournemouth	bbc	bcc	49	59	-	-	6·0	0·1
	Ventnor ...	ob	boc	44	59	-	-	6·8	3·0
	Southsea ...	b	bcc	45	59	-	-	6·9	0·2
	Bognor Regis	b	bbcco	44	52	Trace	-	7·2	1·3
	Littlehampton	bbc	bcc	44	57	-	-	7·2	1·2
	Worthing ...	bbc	bcc	44	56	-	-	7·1	0·0
	Brighton ...	b	bc	44	57	Trace	-	7·5	0·0
	Eastbourne†...	bbc	bcyb	44	55	-	-	9·5	0·2
	Hastings† ...	bbcc	bcb	44	54	Trace	-	9·3	0·0
	Folkestone ...	c	c	44	50	0·5	-	6·7	0·0
	Dover ...	bc	bcc	45	51	0·3	-	6·4	0·0
	Deal	bc	coc	45	51	Trace	-	5·0	0·0
	Ramsgate ...	c	cbc	44	49	Trace	-	5·2	0·0
	Margate ...	bc	cbc	45	48	-	-	5·1	0·0
2	Southend ...	bbc	cbbc	39	51	Trace	-	8·6	0·0
	Clacton-on-Sea	bc	bcc	39	48	-	-	5·6	0·0
	Dovercourt ...	rocbc	bc	39	48	Trace	-	4·6	0·0
	Lowestoft ...	c	c	42	48	0·1	-	0·4	0·0
	Skegness ...	bc	ocb	42	48	-	Trace	6·6	2·6
	Mablethorpe...	bccbc	bbc	43	48	-	-	7·3	1·0
	Cleethorpes ...	bccbc	bc	43	51	-	-	9·5	0·0
3	Leamington S.	bc	bcc	39	56	-	-	5·4	0·3
4	Cheltenham†	bybc	c	40	56	-	-	5·1	0·1
5	Bath	bcb	bcc	42	58	-	-	6·4	0·1
	Weymouth ...	cb	b	44	57	-	-	6·4	0·3
	Jersey ...	pmc	cbc	46	56	0·5	-	4·6	2·0
	Torquay ...	o	ocbc	43	51	-	-	0·8	1·1
	Falmouth ...	b	c	41	55	-	-	5·1	5·6
	Penzance ...	bcc	bccbc	44	56	-	-	4·6	11·7
	St. Ives ...								
	Bude... ...	c	c	43	51	-	-	0·3	12·5
	Ilfracombe ...	bcco	ocbc	43	51	-	-	0·9	12·0
6	Aberystwyth	cbcc	c	43	54	-	-	2·1	10·6
7	Llandudno ...	cbc	c	39	56	-	-	3·3	5·4
	Colwyn Bay...	cbcc	cbcb	35	59	-	-	1·8	5·4
	Rhyl	cbc	cbc	37	57	-	-	2·2	5·4
8	Wallasey ...	cbc	bcc	41	58	-	-	*	4·1
	Southport ...	cz	czoz	39	56	-	-	0·3	3·3
	Blackpool ...	cm.	cm.	40	57	-	-	0·4	5·2
	Morecambe ...	cbcc	cbcc	41	56	-	-	1·2	5·2
9	Ilkley... ...	cb	bco	40	55	-	-	4·3	0·0
	Harrogate ...	bbc	bcc	38	55	-	-	4·8	0·3
10	Berwick-on-T.	bbcc	coc	35	50	-	-	6·4	3·6
11	Dunbar ...	bcxm.	cm.	36	54	-	-	4·3	8·2
12	Troon... ...	coc	cbc	35	52	-	-	3·4	9·6
	Douglas ...	bcz.	b	39	52	-	-	8·0	9·6

*Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
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. 4th May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind southerly, increasing to fresh; fair most of today but with considerable cloud; occasional rain by tomorrow: becoming mild.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales .. 8 N.W. England 9 N. Midlands ...	Wind south, increasing to strong to gale on the coast, veering later; cloudy or dull; occasional rain; hill fog; brighter periods later in the period; mild.
10 N.E. England 11 S.E. Scotland	Wind southerly increasing to fresh or strong; cloudy; occasional rain spreading from west; average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind southerly, strong at times, gale on coast; dull; occasional rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Wind south veering southwest, strong at times, gale on coast; dull; occasional rain today; showers and brighter periods tomorrow; mild.

GENERAL INFERENCE.

A deep depression about 600 miles west of Northwest Ireland will move east and then turn northeast and tend to become stationary. There will be a period of occasional rain in all western and northern districts extending later to the eastern side of the country. Subsequently bright periods with showers will spread to the West. Strong to gale winds are expected on the western coasts.

FURTHER OUTLOOK.

Unsettled but bright periods; warmer.

Times of issue of Gale Warnings.

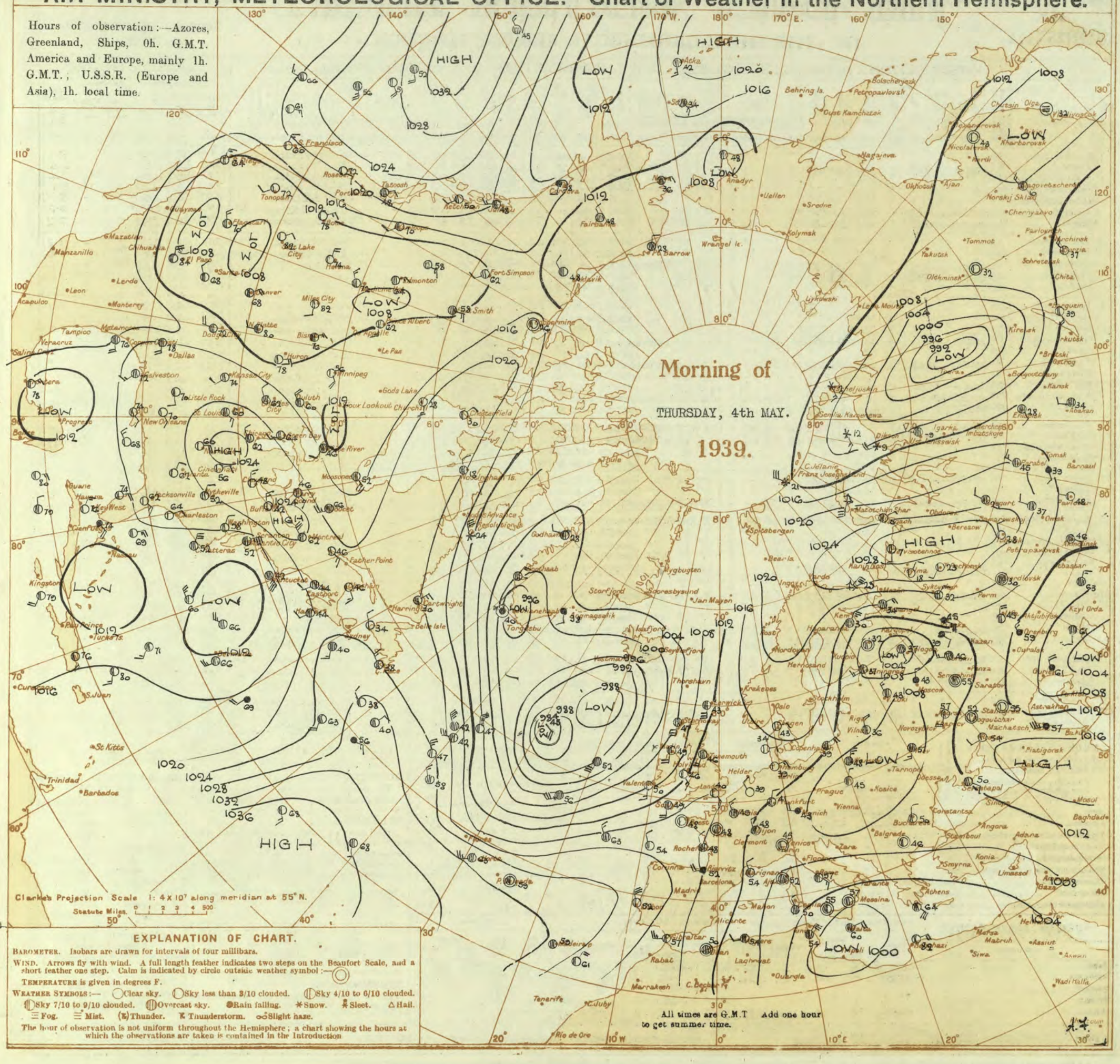
V South cone hoisted at 0900 on 3/5/39 in districts 16(part) and 13, and at 0800 on 4/5/39 in districts 5,7,8,12,16(part) 17,18,19 and 20.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 4th May, 1939.
No. 28287

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1016·3	-2	SE'S	3	b	40	92	6	5	-	-	Tr	Tr	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1016·6	-4	N'E	1	b	37	85	8	-	-	-	0	0	-
	Manston	154	1016·3	-4	NE'E	1	b	39	85	8	-	4	-	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1016·0	0	N'W	1	c	43	75	8	5	-	-	7-8	7-8	2500
	Mildenhall	19	1015·9	-4	SE'S	1	z_0	33	97	5	-	-	-	0	0	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1013·9	-10	S	2	b	44	85	8	5	-	-	1	1	2500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1015·6	-2	WSW	2	c	47	92	7	5	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1014·8	-8	S'W	2	b	47	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1013·5	-18	S'W	4	c	49	92	7	5	6	-	4-6	10	2500
	Guernsey	175	1015·7	-2	-	0	bc	43	97	6	-	3	-	0	4-6	-
6	Pembroke	142	1013·3	-6	S'W	3	c	47	92	6	5	6	-	4-6	9+	2500
7	Holyhead	26	1011·7	-18	SSE	3	bc	46	92	6	5	3	-	1	4-6	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015·7	-4	S'E	2	b	47	92	7	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1013·6	-10	SSW	3	c	46	75	7	5	-	-	9+	9+	1500
11	St. Abbs Head	280	1011·7	-14	SSW	4	bc	41	85	6	8	4	-	2-3	4-6	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1011·9	-12	S'W	4	b	45	85	7	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1006·4	-10	S	6	c	47	92	6	5	2	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008·0	-14	S	5	c	44	85	7	5	7	9	4-6	9	1500
16	Lerwick	156	1009·6	-22	S'E	6	c	43	85	8	8	2	-	7-8	10	800
17	Blacksod Point	18	1005·6	-14	S	5	c	50	92	8	8	-	-	9	9	1500
18	Malin Head	84	1006·8	-8	S	4	c	49	92	7	8	7	-	4-6	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1009·0	-10	S	3	bc	50	97	8	5	-	-	2-3	2-3	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1014·3	-6	SSW	2	z_0	45	92	6	5	2	-	4-6	9+	2500	1	*
Croydon	1014·7	-6	S	3	b	45	85	7	5	-	-	Tr	Tr	4000	1	*
S. Farnborough	1014·0	-4	SSW	2	z_0	45	92	6	1	3	-	Tr	2-3	2500	1	*
Boscombe Down	1014·1	-4	S'W	2	z_0	45	97	6	5	2	-	9+	10	1500	1	*
Calshot (Sthmtn.)	1014·3	-8	SSE	3	z_0	48	85	6	5	3	-	7-8	7-8	2500	1	1
Lympne	1015·5	-6	-	0	c	43	75	8	5	-	-	9+	9+	2500	1	§0
Manston	1015·1	-2	-	0	c	43	75	8	5	3	-	4-6	7-8	2500	1	*
Shoeburyness	1015·1	-4	SSW	2	c	44	85	7	5	-	-	9+	9+	4000	1	*
Felixstowe	1015·2	-6	NE	1	z_0	41	85	5	5	-	-	4-6	4-6	2500	0	0
Gorleston	1015·3	0	NNW	1	bc	42	85	6	-	4	-	0	2-3	-	0	2
Mildenhall	1014·0	-8	SE	2	z_0	41	92	6	-	-	-	0	0	-	1	*
Cranwell	1013·9	-10	SE'S	1	bc/F	38	97	5	-	3	-	0	2-3	-	1	*
Birmingham	1012·2	-8	SSE	2	b	46	85	6	-	7	-	0	Tr	-	1	*
Upper Heyford	1013·9	-6	S	2	z_0	44	92	5	5	-	-	9+	9+	4000	1	*
Ross-on-Wye	1012·8	-10	S'W	4	z_0	44	92	5	5	-	-	10	10	450	1	*
Hartland Point	1010·5	-18	S	4	c	46	85	7	8	2	-	4-6	9	1500	0	2
Bristol	1013·5	-6	S	3	bc	46	85	7	7	7	8	2-3	4-6	1500	0	*
Portland Bill	1013·4	+10	SSW	3	c	48	85	7	5	-	-	10	10	2500	1	3
Plymouth	1012·7	-10	S	3	z_0	49	85	6	8	-	8	7-8	9	1500	0	2
The Lizard	1011·5	-16	S'E	3	c	49	85	7	8	2	-	9	10	1500	0	2
Scilly (St. Mary's)	1010·0	-14	S'W	5	id_0	50	97	6	5	2	-	4-6	10	1500	0	3
Guernsey	1013·6	-16	SE	2	bc	48	85	7	-	-	8	0	2-3	-	0	2
Pembroke	1009·8	-14	SSW	5	c/r	48	85	6	5	2	-	7-8	10	1500	1	3
Holyhead	1008·7	-12	S'E	4	r	48	75	7	5	2	-	1	10	800	0	2
Chester (Sealand)	1011·2	-14	ESE	2	z_0	44	75	6	5	3	-	2-3	4-6	4000	1	*
Manchester	1011·8	-10	S'E	2	z_0	48	75	6	-	3	-	0	Tr	-	0	
Spurn Head	1013·4	-8	S'E	4	b	43	85	7	-	-	-	0	0	-	0	3
Catterick	1011·8	-10	SSE	2	z_0	40	92	5	5	-	-	7-8	7-8	450	1	*
Tynemouth	1011·3	-8	SW	4	bc	42	85	5	2	6	-	4-6	4-6	2500	1	1
St. Abbs Head	1008·9	-16	SSW	5	bc	45	75	6	-	4	-	0	2-3	-	0	3
Leuchars	1008·8	-12	SE	2	bc	42	85	7	5	3	-	4-6	4-6	4000	0	*
Renfrew (Abbots I.)	1008·4	-10	SE'E	2	ir	47	85	6	5	7	-	9	10	2500	0	*
Eskdalemuir	1009·6	-10	-	0	bc	40	85	7	5	-	-	4-6	4-6	5700	1	*
Point of Ayre	1008·8	-10	SSW	4	c	47	85	7	5	1	-	7-8	10	2600	0	3
Tiree	1003·1	-8	SSE	5	c	48	92	7	5	7	-	4-6	7-8	2500	0	3
Stornoway	1003·8	-14	S	6	ir_0	48	92	6	5	2	-	9	10	2500	1	3
Dalwhinnie	1007·7	-8	S	4	c	42	85	7	4	2	-	2-3	10	2500	0	*
Aberdeen	1008·2	-14	S	3	bc	45	75	6	-	3	4	0	2-3	-	0	1
Wick	1005·5	-8	SSW	4	c	47	75	7	5	2	-	7-8	10	1500	1	2
Lerwick	1006·5	-16	S	6	c	44	85	7	8	1	-	7-8	10	800	0	*
Blacksod Point	1000·5	-30	SSE	5	c	49	97	7	8	-	-	10	10	800	1	4
Malin Head	1004·1	-18	S	4	c	50	85	8	6	-	-	9	9	4000	0	2
Aldergrove	1005·6	-18	SSE	3	id_0	47	97	5	6	-	-	10	10	450	1	*
Birr Castle	1005·1	-16	S	1	c	48	92	8	5	2	-	9	10	2500	0	*
Valentia Obsy. †	1003·1	-24	S'W	4	id_0	49	92	6	5	-	-	10	10	1500	1	3
Roches Point	1005·8	-16	S	3	c	50	97	8	5	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

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 3rd Hrs. (36)
London (Kew)	54	37	28	-	-	7·1
Croydon	52	39	35	-	-	6·5
S. Farnborough	57	39	33	-	Tr	7·4
Boscombe Down	58	42	41	-	Tr	5·1
Calshot (Sthmtn.)	57	46	46	-	-	5·7
Lympne	49	33	27	-	-	9·2
Manston	49	36	28	-	-	7·2
Shoeburyness	51	32	27	-	-	11·2
Felixstowe	48	36	27	Tr	-	4·3
Gorleston	48	38	38	Tr	-	0·6
Mildenhall	52	30	27	-	Tr	7·6
Cranwell	55	·31	26	-	-	6·8
Birmingham	54	42	36	-	-	4·0
Upper Heyford	59	40	35	-	-	*
Ross-on-Wye	57	41	27	-	-	5·0
Hartland Point	50	41	40	-	-	0·5
Bristol	58	40	31	-	-	6·7
Portland Bill	52	44	*	-	-	*
Plymouth	51	40	39	-	-	0·6
The Lizard	56	45	*	-	-	9·4
Scilly (St. Mary's)	(55)	47	*	-	Tr	10·0
Guernsey	53	41	36	0·1	-	6·2
Pembroke	51	47	*	-	Tr	10·5
Holyhead	54	45	42	-	Tr	10·3
Chester (Sealand)	57	39	31	-	-	4·3
Manchester	56	41	36	-	-	1·4
Spurn Head	52	40	*	-	Tr	11·3
Catterick	56	39	37	-	-	8·4
Tynemouth	47	42	41	-	-	9·7
St. Abbs Head	49	·38	*	-	-	*
Leuchars	52	33	27	-	-	2·4
Renfrew (Abbots I.)	54	44	39	-	Tr	1·7
Eskdalemuir	59	31	25	-	-	4·1
Point of Ayre	55	41	*	-	-	9·0
Tiree	54	46	45	Tr	1	7·7
Stornoway	54	47	*	-	1	11·1
Dalwhinnie	49	40	34	-	-	7·3
Aberdeen	48	41	37	-	-	5·9
Wick	49	44	*	-	-	*
Lerwick	46	42	*	0·3	-	0·2
Blacksod Point	54	43	*	2	0·1	*
Malin Head	56	46	*	-	Tr	7·2
Aldergrove	56	46	45	-	0·4	5·3
Birr Castle	56	45	38	-	0·5	1·9
Valentia Obsy. †	55	47	42	4	0·5	1·7
Roches Point	53	50		0·2	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	b$z_0$wbcq	cycz_0	cz_0cm_0	54	37	28	-	-	7·1	*	*	7
Croydon	217	bc$m_0$cbcm	cz_0	c$z_0$bmw	52	39	35	-	-	6·5	*	*	7
Greenwich (Royal Observatory)	149	bc	c	cbxc	53	37	29	-	Tr	6·2	67	69	6
City (Sunhill Row)	—	*	*	*	*	*	*	*	*	6·6	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	43	35	Trace		6·6	67	79	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	56	42	36	-	-	6·7	60	72	*
Camden Square	110	bc	c	*	57	43	34	-	-	*	*	76	*
Kensington	80	bc	bc	*	55	41	33	-	-	6·5	At 18h 65	75	*
Hampstead Observatory	450	bc	cm	o	52	42	33	-	-	*	*	83	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 4th

	Max.	Time.	Min.	Time.
South Kensington.	0·3	18-20h 3rd.	<0·3	24h. 4th.
Kew Observatory.	0·2	19-21h 3rd.	<0·1	11h. 3rd.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 3rd May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 4th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1012·3	N	3	c	52	1014·1	NNW	2	c	43	54	43	Tr	-
Brussels	1012·5	N	4	b	52	1014·7	NE	2	b	43	59	37	-	-
Berlin						1015·9	NE'N	3	b	45		36		-
Zürich						1010·7	SSE	1	c	46		43		7
Rome	1009·0	S	4	c	59	1002·9	NNE	2	c	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 1½ miles.
5 Poor visibility 2½ ,,
6 Moderate ,, 6¼ ,,
7 Good ,, 12½ ,,
8 Very good ,, 31 ,,
9 Excellent ,, beyond 31m.

COLUMN 30—Code for State of Sea.
0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 5th May, 1939.
No. 28288

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

District	Stations (For heights see p. 4)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)	1011·0	-24	S	3	c	55	65	7	7	-	-	9	9	2500
	Croydon	1011·5	-20	S'W	3	c	54	65	7	8	6	-	4-6	9	4000
	S. Farnborough	1011·0	-18	S'W	3	c	51	75	7	8	7	-	9	10	2500
	Boscombe Down	1010·5	-14	S	4	c	54	75	7	8	2	-	7-8	7-8	2500
	Calshot (Soton.)	1011·8	-18	S'E	3	c	50	75	8	5	-	-	9+	9+	2500
	Lympne	1013·2	-10	SE'S	2	bc	49	65	8	5	-	-	2-3	2-3	4000
	Manston	1013·0	-14	SE	3	bc	48	75	8	7	-	-	4-6	4-6	2500
2	Shoeburyness	1012·0	-20	SSE	3	b	50	65	7	1	-	-	Tr	Tr	4000
	Felixstowe	1012·9	-14	SE'S	3	bc	48	65	9	7	-	-	2-3	2-3	4000
	Gorleston	1012·8	-12	SE	4	bc	47	65	7	5	-	-	2-3	2-3	2500
	Mildenhall	1010·5	-26	SE	3	bc	56	55	7	7	-	-	4-6	4-6	4000
	Cranwell	1009·8	-20	SSE	3	z$_o$	56	75	6	1	3	-	2-3	4-6	4000
3	Birmingham	1009·1	-16	S	3	c	52	65	8	8	-	-	9	9	2500
	Upper Heyford	1010·9	-18	S	3	c	52	75	7	5	7	-	7-8	10	1500
4	Ross-on-Wye	1008·7	-16	SSW	4	bc	57	55	7	1	-	-	4-6	4-6	4000
5	Hartland Point	1006·7	-20	S	5	c	51	75	7	5	2	-	7-8	10	1500
	Bristol	1009·9	-22	S	3	bc	56	65	8	7	-	-	4-6	4-6	2500
	Portland Bill	1010·8	-18	SE	3	bc	52	85	7	1	-	-	2-3	2-3	2500
	Plymouth	1008·9	-22	SSE	5	ir$_o$	50	85	8	5	-	-	10	10	4000
	The Lizard	1006·9	-24	SSE	5	c	51	97	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	1005·4	-22	S	5	c	55	92	6	8	2	-	7-8	9+	1500
	Guernsey	1010·4	-16	SE'S	3	b	55	55	7	-	-	8	0	1	-
6	Pembroke	1005·8	-16	S'W	5	c	50	75	6	5	-	-	10	10	1500
7	Holyhead	1005·1	-20	S'E	5	c/r	52	75	7	5	2	-	7-8	9+	4000
	Chester (Sealand)	1007·0	-18	SE'S	5	z$_o$	58	55	6	7	-	-	4-6	4-6	2500
8	Manchester	1007·4	-22	S	4	bc	57	55	7	1	-	1	4-6	4-6	4000
10	Spurn Head	1010·3	-18	SE	5	bc	50	85	7	-	1	-	0	4-6	-
	Catterick	1006·9	-26	S'E	4	z$_o$	58	45	6	5	-	-	7-8	7-8	2500
	Tynemouth	1006·9	-24	SE	4	c	49	75	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head	1005·7	-6	S	4	c	58	45	7	7	6	-	4-6	7-8	2500
	Leuchars	1005·1	-18	SSW	2	c	56	65	7	5	7	-	4-6	9+	2500
12	Renfrew (Abbotsl.)	1005·3	-10	S'E	4	z$_o$	50	75	6	5	-	-	10	10	1500
	Eskdalemuir	1006·5	-16	SW'S	4	c	49	65	6	5	-	-	10	10	1500
	Point of Ayre	1005·6	-20	SSW	4	ir$_o$	50	92	7	8	-	-	9+	9+	1500
13A	Tiree	999·1	-16	SE	5	c	53	85	7	5	1	-	4-6	7-8	2500
13B	Stornoway	1001·1	-14	S	5	c	50	85	6	5	2	-	4-6	10	2500
15	Dalwhinnie	1006·0	-16	S	5	c	46	85	6	6	2	-	4-6	10	2500
	Aberdeen	1005·9	-14	S	4	c	51	75	6	5	-	-	7-8	7-8	5700
	Wick	1003·1	-14	SSE	3	c	51	75	6	5	9	-	7-8	9+	2500
16	Lerwick	1005·5	0	S	6	c/r	45	92	7	8	1	-	7-8	9+	800
17	Blacksod Point	994·8	-38	SE	5	c	51	92	7	5	-	-	10	10	220
18	Malin Head	998·7	-28	S	5	c	54	65	8	9	1	-	4-6	9	5700
	Aldergrove	1001·0	-30	SSE	5	c/r	53	75	6	8	7	-	4-6	9+	800
19	Birr Castle	999·6	-28	SSW	3	ir$_o$	51	85	7	6	2	-	4-6	10	800
20	Valentia Obsy.†	994·6	-38	S	6	rr	51	92	5	6	-	-	10	10	800
	Roches Point	999·5	-38	S'E	6	rr	50	97	6	6	2	-	7-8	10	800

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1008·3	-14	S	3	bc	52	65	6	7	-	6	4-6	4-6	2500	1	*
Croydon	1007·8	-16	SSE	3	bc	51	75	7	8	3	-	4-6	4-6	2500	1	*
S. Farnborough	1009·1	-18	S	3	bc	51	75	7	4	-	2	1	4-6	4000	1	*
Boscombe Down	1007·2	-14	SE'S	3	z$_o$	50	75	7	5	4	-	2-3	4-6	2500	0	*
Calshot (Soton.)	1008·3	-18	ESE	4	z$_o$	49	75	7	-	-	-	0	0	-	1	2
Lympne	1010·4	-8	SE'E	2	b	46	75	7	-	-	5	0	1	-	0	§0
Manston	1009·5	-14	SE	2	b	47	65	7	-	-	5	0	1	-	1	*
Shoeburyness	1009·0	-16	SSE	4	b	51	75	8	-	4	-	0	Tr	-	1	*
Felixstowe	1009·9	-16	SE'S	4	b	47	75	8	-	-	-	0	0	-	0	2
Gorleston	1009·9	-12	SE'S	5	b	46	75	7	-	-	-	0	0	-	0	2
Mildenhall	1008·1	-10	SE	4	bc	51	75	7	5	-	-	2-3	2-3	4000	0	*
Cranwell	1007·6	-12	SSE	3	z$_o$	53	75	6	5	-	-	9+	9+	5700	0	*
Birmingham	1005·9	-14	S	3	c	52	65	8	8	7	-	4-6	10	2500	1	*
Upper Heyford	1007·6	-16	S	3	c	52	75	7	5	-	-	9+	9+	4000	1	*
Ross-on-Wye	1005·8	-14	S	4	pr	52	65	7	5	-	-	9+	9+	2500	1	*
Hartland Point	1002·3	-26	S	5	c	50	85	7	6	2	-	7-8	10	1500	0	3
Bristol	1006·6	-14	S	4	c	52	65	7	5	7	4	2-3	7-8	2500	0	*
Portland Bill	1006·6	-26	SE	4	c	48	85	7	2	4	-	4-6	10	2500	1	3
Plymouth	1004·6	-22	SE'S	4	z$_o$	50	83	6	5	-	-	10	10	1500	1	3
The Lizard	1002·4	-24	S	5	r$_o$r$_o$	50	97	6	5	2	-	9	10	1500	1	3
Scilly (St. Mary's)	1000·2	-32	S	5	r$_o$r$_o$	51	97	6	6	2	-	7-8	10	1500	1	3
Guernsey	1005·9	-24	SE'S	2	c	53	65	7	8	-	-	7-8	7-8	4000	0	1
Pembroke	1001·5	-20	S	6	r$_o$r$_o$	49	92	6	5	-	-	10	10	1500	1	3
Holyhead	1000·9	-24	SSE	5	c	52	75	7	5	2	-	9	10	4000	0	3
Chester (Sealand)	1004·0	-12	SSE	4	z$_o$	56	55	6	5	-	-	9	9	4000	0	*
Manchester	1004·2	-16	SSE	4	c	56	55	7	7	3	-	7-8	9+	4000	0	*
Spurn Head	1007·3	-12	SE	5	c	47	85	7	4	6	8	4-6	7-8	4000	0	3
Catterick	1004·1	-10	S'E	3	c	56	45	7	8	3	-	4-6	9	2500	0	*
Tynemouth	1004·2	-12	SSE	5	c	48	75	6	8	-	-	7-8	7-8	1500	0	2
St. Abbs Head	1003·5	-20	SSE	4	c	48	85	6	4	6	-	7-8	10	1500	0	2
Leuchars	1002·5	-14	SW	2	c	54	65	8	5	7	-	7-8	9+	4000	0	*
Renfrew (Abbotsl.)	1001·8	-18	SSE	3	z$_o$	52	75	6	5	2	-	7-8	9+	1500	0	*
Eskdalemuir	1002·2	-18	SSW	2	c	49	65	7	5	-	-	10	10	1500	1	*
Point of Ayre	1001·6	-14	S'E	3	c	51	86	7	8	1	-	7-8	10	1500	1	2
Tiree	995·5	-20	SE	5	rr	48	97	6	-	2	-	10	10	1500	1	4
Stornoway	998·0	-4	SSE	4	c	49	85	7	5	7	-	7-8	10	2500	1	2
Dalwhinnie	"	-20	SSE	5	ir	46	85	6	6	2	-	4-6	10	2500	0	*
Aberdeen	1003·7	-12	S'E	4	c	47	85	6	5	7	-	9	9+	4000	0	1
Wick	1000·4	-14	SSE	4	c	49	85	6	5	9	2	4-6	9+	1500	0	1
Lerwick	1003·9	0	S	7	c	45	92	6	5	2	-	7-8	10	800	0	*
Blacksod Point	991·3	-10	SSW	3	c	53	85	7	5	-	-	10	10	450	1	3
Malin Head	993·9	-16	S	5	c	51	85	6	6	2	-	7-8	10	2500	0	3
Aldergrove	997·3	-18	SSE	5	ir$_o$	49	85	6	6	-	-	10	10	800	1	*
Birr Castle	994·3	-24	S	4	c/r	52	85	7	6	2	-	2-3	10	800	1	*
Valentia Obsy.†	994·4	+2	SW	4	bc	53	75	8	8	8	-	4-6	4-6	2500	1	4
Roches Point	995·6	-6	SW	3	rr	49	97	8	6	2	-	7-8	10	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 4th (37)	13h.—18h. 4th (38)	18h. 4th to 1h. 5th (39)	1h.—7h. 5th (40)
London (Kew)	cm$_o$c	eycbez$_o$	bcz$_o$bc	cm$_o$
Croydon	bcc	cbc	bbcm$_o$w	cwbcm$_o$
S. Farnborough	bm$_o$c	cbc	bcbm$_o$	cbwcir$_o$c
Boscombe Down	cm$_o$c	cm$_o$	cm$_o$c	cir$_o$rr
Calshot (Soton.)	cm$_o$c	cbcbm$_o$	bm$_o$bcc	ccr$_o$r$_o$m$_o$
Lympne	cbcc	b	bbcbbm$_o$	bm$_o$cm$_o$
Manston	cbc	bcb	bbcbw	cbcm$_o$
Shoeburyness	bcb	b	bw	bwm$_o$c
Felixstowe	bcm$_o$bv	bv	b	bwcbcm$_o$
Gorleston	bccbc	bcb	b	bcz$_o$
Mildenhall	bc	bcybcm$_o$bc	bcbbm$_o$	bcbbm$_o$
Cranwell	bccbcz$_o$	bccz$_o$	cbcb	Ffw
Birmingham	b,c	c	c	corr
Upper Heyford	cm$_o$c	c	cbcm$_o$	cm$_o$cd$_o$d
Ross-on-Wye	om$_o$cbc	bcyc	ccm$_o$	corr
Hartland Point	cir$_o$	c	r$_o$r$_o$rrc	rrr$_o$cp$_o$
Bristol	bc	bcyc	cbcc	cr$_o$r$_o$r
Portland Bill	cbc	bcc	corr	orr
Plymouth	cbccir$_o$	r$_o$r$_o$cm$_o$	rrRR	rrr$_o$bc
The Lizard	cprr$_o$	crr$_o$	rrprc	prph
Scilly (St. Mary's)	cid$_o$c	cr$_o$r$_o$	cr$_o$r$_o$b	bwbc
Guernsey	bcb	bbcc	corr	orr
Pembroke	irz$_o$c	cir$_o$qm$_o$	rrqm$_o$	orrm$_o$bc
Holyhead	ir$_o$r$_o$r$_o$c	c	cr$_o$r$_o$c	r$_o$r$_o$rrc
Chester (Sealand)	bcwz$_o$y	cz$_o$y	cyz$_o$	cz$_o$r$_o$r$_o$
Manchester	bz$_o$bcy	bcycy	cybcz$_o$c	ccm$_o$r$_o$r$_o$
Spurn Head	bbc	bcc	bq	bcc
Catterick	bcm$_o$cm$_o$	bcz$_o$cy	cbcm$_o$	com$_o$
Tynemouth	bcc	c	cbc	bc
St. Abbs Head	cy	m$_o$c	bm$_o$	cm$_o$bc
Leuchars	bcbcc	cir$_o$c	ccm$_o$	cm$_o$
Renfrew (Abbotsl.)	cm$_o$ir$_o$	cz$_o$	cz$_o$	cm$_o$
Eskdalemuir	bccir$_o$c	ir$_o$c	cz$_o$c	ccir$_o$
Point of Ayre	irc	ir$_o$c	crrrr	rr
Tiree	c	codr.	orrdr	ordc
Stornoway	cir$_o$	c	cpr$_o$	c
Dalwhinnie	ciro	c	·	cir
Aberdeen	bccz$_o$	cz$_o$	cz$_o$	cz$_o$
Wick	prcz$_o$	cz$_o$	z$_o$cm$_o$	cm$_o$
Lerwick	cir$_o$	cm$_o$	cm$_o$	c
Blacksod Point	iDR	iR	preq	preq
Malin Head	c	cid$_o$zz$_o$c	cir$_o$c	cir$_o$bc
Aldergrove	id$_o$pr$_o$ir$_o$	cir$_o$m$_o$	cr$_o$r$_o$m$_o$	rrcpr$_o$
Birr Castle	cir$_o$	cir$_o$	ir$_o$pr	cprbcx
Valentia Obsy.†	rrr$_o$rr	crrcbc	pr$_o$bc	cpr$_o$c
Roches Point	cidrr	crr	crrbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
Solar halo. Lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

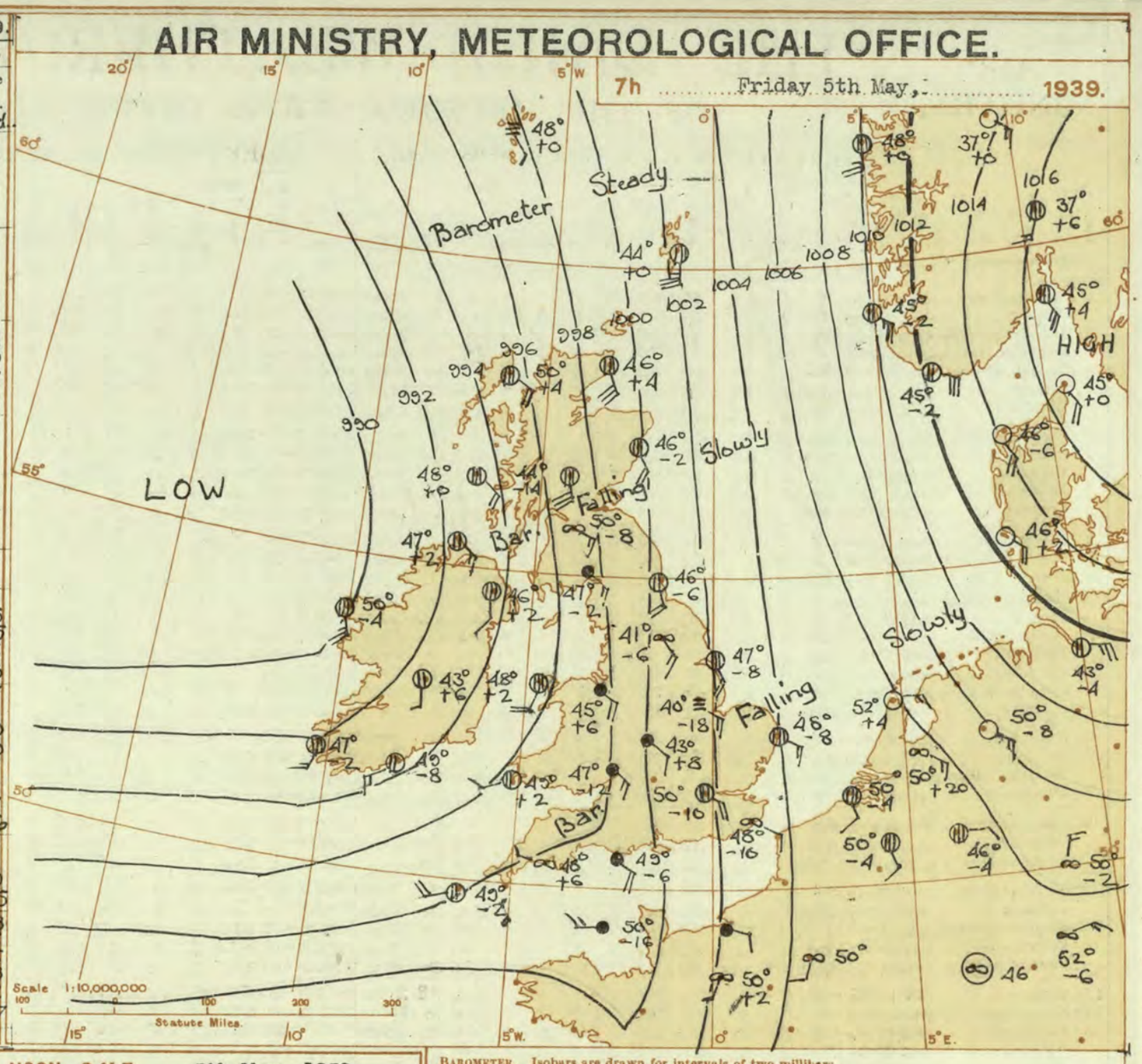
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 4th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 3rd to 9h. 4th	Temperature. (°F) Max. 9h.—17h. 3rd to 4th	Rainfall. (mm.) Night. 17h. 3rd to 9h. 4th	Rainfall. (mm.) Day. 9h.—17h. 4th	Sunshine. (Hrs.) Sunrise to 17h. 4th	Sunshine. (Hrs.) Sunrise to Sunset. 3rd
1	Tunbridge W.	co	pbcb	34	57	-	-	4·8	7·0
	Bournemouth	bcbb	b	46	56	-	-	7·6	6·0
	Ventnor ...	bbcb	b	45	60	-	-	10·0	6·8
	Southsea ...	cbcb	b	46	59	-	-	5·5	6·9
	Bognor Regis	bbcbc	bcb	46	51	-	-	7·0	7·2
	Littlehampton	bcb	pbcb	46	52	-	-	6·4	7·2
	Worthing ...	bc	b	46	52	-	-	6·9	7·1
	Brighton ...	cbc	b	46	52	-	-	7·3	7·5
	Eastbourne† ...	bcb	b	39	54	-	-	10·7	11·2
	Hastings† ...	cbcc	b	37	51	-	-	8·6	10·5
	Folkestone ...	cbc	bcb	37	52	-	-	8·1	7·5
	Dover ...	bcbc	bcb	37	51	-	-	5·4	7·3
	Deal	cbcb	bcb	46	51	-	-	6·7	5·0
	Ramsgate ...	c	bc	48	49	-	-	6·6	6·2
	Margate ...	bcc	bcb	42	49	-	-	5·4	6·2
2	Southend ...	cbcb	b	45	54	Trace	-	8·6	9·2
	Clacton-on-Sea	bc	bcb	39	49	-	-	8·4	5·6
	Dovercourt ...	bc	b	37	51	-	-	9·5	4·6
	Lowestoft ...	bcb	b	36	49	-	-	10·2	0·4
	Skegness ...	bzb	b	39	53	-	-	11·5	6·7
	Mablethorpe...	bbcb	bcb	32	53	-	-	11·2	7·5
	Cleethorpes ...	wbz	bbc	34	58	-	-	9·1	11·3
3	Leamington S.	b	c	43	57	-	-	5·7	5·4
4	Cheltenham†	cbcc	cbcc	43	68	-	-	4·3	5·1
5	Bath	bbcc	bcc	45	57	-	-	6·8	6·4
	Weymouth ...	cb	b	41	55	-	-	7·2	7·5
	Jersey ...	bcb	bbc	40	58	-	-	11·3	6·5
	Torquay ...	cbc	cor.p	39	52	-	Trace	4·4	1·5
	Falmouth ...	omr.o	o	40	51	-	1	0·0	5·3
	Penzance ...	cqcrc	cqcr	44	52	-	1	0·0	5·7
	St. Ives ...								
	Bude... ...	o	c	41	53	-	-	0·1	0·9
	Ilfracombe ...	bcbc	bcc	42	58	-	-	7·5	0·9
6	Aberystwyth	c	c	41	57	-	-	0·2	2·1
7	Llandudno ...	c	c	42	59	-	-	1·0	3·3
	Colwyn Bay...	cbcc	c	41	61	-	-	2·2	1·8
	Rhyl	bbccc	c	38	58	-	-	1·8	2·6
8	Wallasey ...	bc	bbc	44	61	-	-	5·9	*
	Southport ...								
	Blackpool ...	c	c	39	60	-	-	2·6	1·0
	Morecambe ...	bc	bcc	42	61	-	-	4·7	1·5
9	Ilkley... ...	bcb	bc	39	61	-	-	8·7	4·3
	Harrogate ...	bbcc	bbcc	38	59	-	-	5·5	4·8
10	Berwick-on-T.	bcco	cm.o	39	57	-	-	0·9	6·3
11	Dunbar ...	bcm.o	cm.o	41	61	-	-	5·7	4·3
12	Troon... ...	coc	coc	44	50	-	-	0·0	4·2
	Douglas ...	cir	bc	45	51	0·3	2	0·3	9·7

* Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. 9l.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th May, 1939.

Districts.	Forecasts
1 S.E. England	Wind southeast, moderate, veering south to southwest; dull; rainy; brighter periods later today and tomorrow; temperature rather below average.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind southeast, moderate; becoming dull and rainy; rather cool.
5 S.W. England	As 1.
6 South Wales ...	Wind south to southwest, light to moderate, freshening later; considerable bright periods; occasional showers especially tomorrow; average temperature then cooler.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 1.
10 N.E. England	
11 S.E. Scotland	Wind southeast, fresh at times, veering later; dull; rainy; local coast fog later today; rather cold.
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotld. B.N.W.Scotland.	Wind southerly, moderate; cloudy; occasional light rain; brighter periods and showers later; average temperature.
14 Mid Scotland	As 10 - 11
15 N. E. Scotland	
16 Orkney and Shetland †	Wind southeast, fresh or strong; mainly cloudy; average to rather low temperature.
17 N. W. Ireland	
18 N. E. Ireland	Wind southerly, moderate to fresh at times; cloudy and bright periods; showers with hail perhaps thunder locally later; rather cool.
19 S.E. Ireland	
20 S. W Ireland	

H.M.S.O. Press, Cornwall House S.E.1

GENERAL INFERENCE.

A depression covers the Northeast Atlantic and an associated trough from the Hebrides to Southwest France is moving slowly across England. Further secondaries will move in from the Atlantic. There will be rain at times in northern and eastern districts but in Ireland and the southwestern half of Great Britain weather will be rather showery with bright periods.

FURTHER OUTLOOK.

Rather showery in most districts.

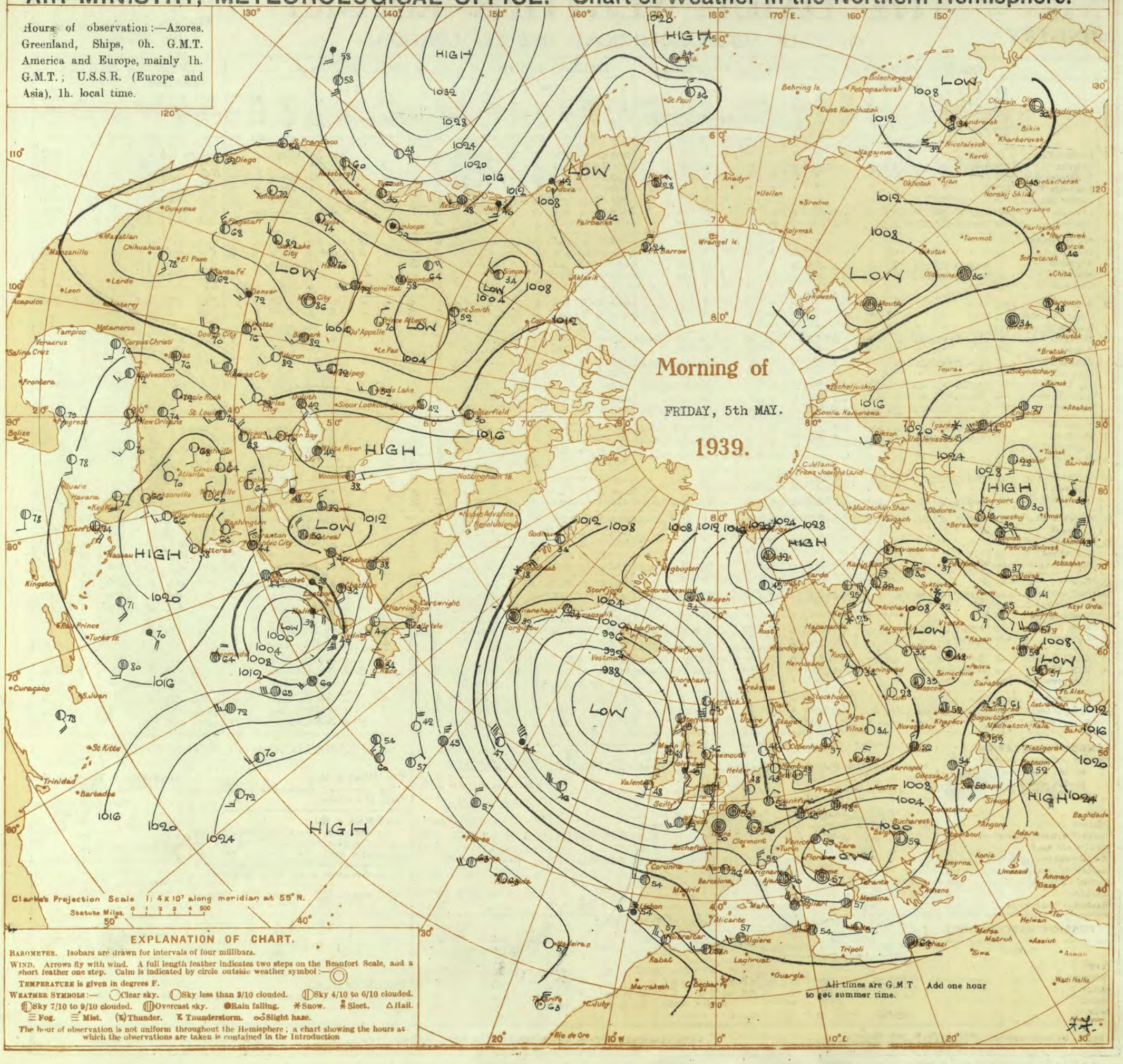
Time of issue of Gale Warnings.

† South Cone hoisted at 0940 on 4/5/39 in district 16 (part of).

Forecasts issued at 0945 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 5th May, 1939.

No. 28288

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1005·1	-18	SE'S	3	c	41	92	7	-	3	-	0	3	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1005·9	-34	E'N	3	b	43	92	6	-	-	-	0	0	-
	Manston ...	154	1005·4	-22	SE'E	2	b	45	92	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1005·9	-20	SE	3	b	46	85	6	-	-	-	0	0	-
	Mildenhall ...	19	1004·7	-16	ESE	2	2_0	37	97	6	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	997·8	-18	SSE	5	rr	49	92	7	6	2	-	9	10	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1001·2	-18	SSE	4	rr	48	92	7	5	-	-	10	10	2500
	Plymouth ...	82	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	The Lizard ...	240	998·0	-10	W	3	bc/pr	49	97	7	8	-	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	998·0	+2	W	4	b	48	97	6	-	-	-	0	0	-
	Guernsey ...	175	1000·8	-20	SSE	2	rr	49	97	4	5	-	-	10	10	1500
6	Pembroke ...	142	995·0	-24	S	6	rr	49	97	6	5	-	-	10	10	1500
7	Holyhead ...	26	996·6	-20	SE'S	5	r_0r_0	49	85	7	6	2	-	4·6	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1004·0	-12	SSE	5	b	45	92	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1002·3	-12	S	4	bc	46	85	6	5	-	-	4·6	4·6	1500
11	St. Abbs Head	280	1000·9	0	SE	3	bc	43	92	5	5	1	-	1	2·3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	998·7	-8	S'W	4	rr	47	97	7	8	2	-	7·8	10	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	996·5	-16	SSE	4	c	49	85	7	5	7	-	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	999·7	0	SSE	4	c	45	92	6	5	7	-	7·8	10	800
16	Lerwick ...	156	1002·9	0	S	7	c	45	85	6	5	2	-	7·8	10	800
17	Blacksod Point	18	991·0	-4	SSW	6	bc	49	85	8	8	-	-	4·6	4·6	1500
18	Malin Head ...	84	992·1	-2	S	3	c	48	85	7	5	7	-	4·6	7·8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	992·8	-6	SSW	4	bc	48	97	8	8	-	-	2·3	2·3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1000·6	-8	SSE	3	z_0	50	85	6	5	-	-	9+	9+	2500	1	*
Croydon ...	1001·7	-10	SE	4	c	50	85	7	-	7	6	0	9+	-	1	*
S. Farnborough	1000·3	-12	SE'S	2	$i r_0$	47	92	6	-	2	-	7-8	10	5700	1	*
Boscombe Down	999·1	-10	SE'S	4	rr	47	97	5	-	2	-	10	10	1500	1	*
Calshot (Sthmtn.)	999·7	-12	SE	4	r_0r_0	49	92	6	6	2	-	7-8	10	2500	1	2
Lympne ...	1003·3	-10	SE	2	z_0	48	85	6	5	-	2	4-6	4-6	5700	0	§1
Manston ...	1002·2	-12	SE'E	2	z_0	51	85	5	-	3	1	0	4-6	-	1	*
Shoeburyness ...	1002·2	-10	SSE	3	z_0	51	85	6	-	-	2	0	7-8	-	1	*
Felixstowe ...	1002·9	-18	S'E	4	z_0	49	85	5	-	5	5	4-6	4-6	7200	0	2
Gorleston ...	1003·6	-8	SE	3	c	48	85	6	5	-	-	9+	9+	2500	0	2
Mildenhall ...	1001·4	-10	ESE	3	z_0	49	92	6	-	3	4	0	4·6	-	1	*
Cranwell ...	1001·3	-18	SE	3	f-	40	97	2	-	-	-	10	10	<150	1	*
Birmingham ...	999·5	-8	SE	2	rr	43	92	5	6	-	-	10	10	800	1	*
Upper Heyford	1000·2	-2	SE'E	4	d_0d_0	45	92	5	5	7	-	7-8	10	1500	1	*
Ross-on-Wye	997·5	-12	SE	3	rr	47	97	6	6	1	-	9+	10	1500	1	*
Hartland Point	996·6	+4	WSW	4	c/pr	48	97	7	9	-	-	7-8	7-8	1500	1	3
Bristol ...	997·4	-12	SSE	3	r_0r_0	49	97	6	6	2	-	9	10	800	1	*
Portland Bill ...	998·2	-6	SE	4	rr	49	92	7	5	-	-	10	10	1500	1	3
Plymouth ...	998·2	+6	W'N	1	z_0	48	92	6	7	3	-	1	2-3	1500	1	1
The Lizard ...	998·0	0	WSW	3	bc	49	97	8	8	-	-	2-3	2-3	2500	1	1
Scilly (St. Mary's)	997·4	-2	WSW	4	bc/p	49	97	8	8	-	-	2-3	2-3	1500	1	3
Guernsey ...	997·5	-16	W	3	rr	50	97	6	5	-	-	10	10	800	1	3
Pembroke ...	996·4	+2	SW'W	2	bc	49	92	6	5	4	-	2-3	2-3	2500	1	2
Holyhead ...	994·6	+2	SSW	4	c	48	92	7	5	8	-	7-8	9+	800	1	2
Chester (Sealand)	997·8	-6	SE	4	r_0r_0	45	85	6	6	2	-	4-6	10	1500	1	*
Manchester ...	998·7	-10	SE'E	3	r_0r_0	47	85	5	5	2	-	9	10	2500	1	*
Spurn Head ...	1001·6	-8	SSE	4	c	47	92	6	5	2	-	7-8	10	2500	0	3
Catterick ...	1000·4	-6	SE'S	3	z_0	41	92	5	5	-	-	9+	9+	450	1	*
Tynemouth ...	1000·4	-6	SSE	4	bc	46	85	6	2	3	1	2-3	4-6	2500	0	2
St. Abbs Head	998·8	-20	SE	4	bc	44	92	5	7	4	-	4-6	4-6	2500	0	3
Leuchars ...	998·4	-6	ESE	4	z_0	47	85	6	5	7	-	9	9+	2500	0	*
Renfrew (Abbots I.)	996·7	-8	SE	3	z_0	50	75	6	6	2	-	4-6	10	1500	0	*
Eskdalemuir ...	997·2	-2	SE'S	3	$i r_0$	47	65	7	6	1	-	4-6	10	1500	1	*
Point of Ayre ...	994·6	-12	S'E	6	rr	46	97	6	6	2	-	4-6	10	1500	1	3
Tiree ...	992·2	0	SE'S	4	c	48	92	7	5	-	-	7-8	7-8	1500	1	3
Stornoway ...	995·3	+4	SE	4	c	50	75	7	5	2	-	4-6	10	2500	1	2
Dalwhinnie ...	996·3	-14	SSE	6	c	44	92	6	6	1	-	2-3	10	2500	1	*
Aberdeen ...	999·9	-2	SSE	4	c	46	85	6	5	7	-	9	9+	800	0	1
Wick ...	998·2	+4	SSE	6	c	46	92	6	5	-	-	9+	9+	800	0	3
Lerwick ...	1002·3	0	S	7	c	44	85	7	8	2	-	7-8	9+	1500	0	*
Blacksod Point	990·0	-4	SSE	5	c	50	85	7	9	-	-	7-8	7-8	800	1	3
Malin Head ...	992·4	+2	SE	3	bc	47	85	8	8	4	2	2-3	4-6	1500	0	2
Aldergrove ...	993·5	+2	S'E	2	c	46	92	8	5	-	6	4-6	7-8	2500	1	*
Birr Castle ...	992·9	+6	S	1	bc	43	97	8	5	4	-	2-3	2-3	2500	1	*
Valentia Obsy. †	992·0	-2	SSW	3	c/pr	47	85	8	9	7	-	4-6	9+	1500	1	4
Roches Point	993·8	-8	SW	3	bc	49	92	8	3	-	5	2-3	4-6	1500	1	4

PAST 24 HOURS.

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)	Night 18h–7h mm. (35)	Sunshine 4th Hrs. (36)
London (Kew)	56	40	29	-	-	5·2
Croydon ...	54	41	35	-	-	8·9
S. Farnborough	56	40	36	-	Tr	5·4
Boscombe Down	55	41	38	-	1	6·7
Calshot (Sthmtn.)	56	46	45	-	0·5	5·0
Lympne ...	50	42	39	-	-	9·6
Manston ...	50	43	37	-	-	7·1
Shoeburyness ...	53	46	40	-	-	10·5
Felixstowe ...	50	44	41	-	-	11·3
Gorleston ...	47	43	40	-	-	11·5
Mildenhall ...	55	36	31	-	Tr	11·7
Cranwell ...	57	34	31	-	-	6·8
Birmingham ...	55	42	40	-	0·5	5·8
Upper Heyford	55	38	32	-	0·1	*
Ross-on-Wye	58	45	43	Tr	3	6·5
Hartland Point	53	47	46	Tr	4	0·6
Bristol ...	57	44	41	-	2	8·6
Portland Bill ...	55	45	*	-	6	*
Plymouth ...	51	47	44	1	11	4·3
The Lizard ...	52	47	*	1	7	0·0
Scilly (St. Mary's)	55	48	*	1	2	0·6
Guernsey ...	57	48	48	-	8	11·6
Pembroke ...	50	47	*	0·1	6	0·0
Holyhead ...	54	47	46	1	3	0·2
Chester (Sealand)	60	44	43	-	Tr	10·1
Manchester ...	60	46	45	-	0·1	11·4
Spurn Head ...	51	43	*	-	-	10·6
Catterick ...	59	39	39	-	-	6·8
Tynemouth ...	58	44	40	*	-	8·2
St. Abbs Head	60	42	*	-	-	*
Leuchars ...	57	45	44	Tr	-	3·2
Renfrew (Abbots I.)	53	47	45	Tr	-	0·0
Eskdalemuir ...	53	44	42	Tr	Tr	0·1
Point of Ayre ...	54	45	*	0·5	4	0·7
Tiree ...	54	46	45	0·6	5	0·6
Stornoway ...	51	48	*	0·1	Tr	0·7
Dalwhinnie ...	48	42	41	0·4	1	0·0
Aberdeen ...	54	44	43	-	-	7·0
Wick ...	56	45	*	Tr	-	*
Lerwick ...	47	43	*	0·6	-	0·0
Blacksod Point	55	46	*	11	2	*
Malin Head ...	55	44	*	Tr	2	0·3
Aldergrove ...	54	45	43	Tr	5	0·0
Birr Castle ...	52	38	29	1	3	0·0
Valentia Obsy. †	54	46	41	18	0·6	2·0
Roches Point	51	45	*	13	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew ...	18	$c m_0 c$	$c y c b c z_0$	$b c z_0 b c$	56	40	29	-	-	5·2	*	*	6
Croydon ...	217	bcc	cbc	bbcmW	54	41	35	-	-	8·9	*	*	7
Greenwich (Royal Observatory) ...	149	c	cy	cbcy	58	39	30	-	-	3·9	57	54	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	3·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	43	37	Trace		2·7	69	69	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	57	41	36	-	-	3·0	57	65	*
Camden Square ...	110	bc	bc	*	56	40	33	-	-	*	*	62	*
Kensington ...	80	bc	bc	*	57	40	34	-	-	3·0	At 18h 59	65	*
Hampstead Observatory ...	450	o	bc	o	55	39	35	-	-	4·5	*	69	*

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	20-21h 4th	<0·3	15-16h 4th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	22h. 4th.	<0·1	10-11h 4th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 4th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...						*	SW'S	2	z_0	*				
Brussels ...	1009·0	-	0	bc	59	1004·3	SSE	2	c	54	*	46	*	-
Berlin ...	1014·1	E	3	b	55	1012·2	E	4	bc	43	59	36	-	-
Zürich ...						1003·8	NNW	1	c	48		*		*
Rome ...	997·4	-	0	c	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.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 h. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 6th May 1939.

No. 28289

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	999·0	-10	S'E	4	c/pr	54	75	7	7	2	-	7-8	10	1500
	Croydon	999·5	-14	SE'S	4	r$_0$r$_0$	53	85	7	6	1	-	7-8	10	1500
	S. Farnborough	998·5	-10	SE	4	d$_0$d$_0$	50	92	6	6	2	-	9	10	1500
	Boscombe Down	998·3	-2	NW'W	2	r$_0$r$_0$	48	85	6	2	2	-	1	9	1500
	Calshot (Soton.)	997·7	-10	S	2	r$_0$r$_0$	51	92	6	6	2	-	9	10	800
	Lympne	1001·2	-10	SSW	4	ir$_0$	56	65	7	-	7	7	0	10	-
	Manston	1001·1	-6	S'W	4	z$_0$	59	55	6	5	7	6	Tr	7-8	2500
2	Shoeburyness	1000·4	-14	S	3	c	56	65	8	1	7	7	Tr	9+	2500
	Felixstowe	1000·4	-14	SE'S	4	z$_0$	56	75	5	-	-	6	0	9	-
	Gorleston	1001·7	-12	SE'S	3	c	51	75	5	5	4	-	4-6	7-8	2500
	Mildenhall	998·7	+26	SSE	5	c	61	55	7	8	1	6	4-6	9+	2500
	Cranwell	998·7	-6	SSE	4	c/r	56	65	6	5	7	-	4-6	10	2500
3	Birmingham	998·5	-4	S	2	rr	48	92	6	9	2	-	4-6	10	800
	Upper Heyford	999·0	-2	SE'S	3	rr	50	97	6	6	2	-	7-8	10	450
4	Ross-on-Wye	997·1	0	SSE	2	c	52	85	7	9	1	-	2-3	9+	2500
5	Hartland Point	996·8	-2	WSW	4	bc	51	85	8	2	6	-	2-3	4-6	1500
	Bristol	997·7	-6	SSE	2	c	54	75	8	5	2	8	4-6	7-8	1500
	Portland Bill	998·4	+4	W	3	bc	50	92	7	5	-	-	4-6	4-6	2500
	Plymouth	998·2	0	SSW	3	bc	55	85	8	2	-	-	2-3	2-3	2500
	The Lizard	997·4	-2	SSW	3	bc	55	85	8	8	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	997·3	-4	SW'S	4	bc/p	55	85	8	3	6	-	2-3	4-6	1500
	Guernsey	999·6	+6	WSW	3	bc	56	65	7	8	3	-	4-6	4-6	2500
6	Pembroke	996·7	+2	SW'S	3	bc	52	85	7	5	4	1	2-3	2-3	2500
7	Holyhead	995·2	-2	S'W	4	bc	55	75	8	2	-	5	1	2-3	2500
	Chester (Sealand)	996·7	-6	SSE	2	z$_0$	53	85	6	9	2	-	7-8	10	1500
8	Manchester	997·5	-4	SSE	2	r$_0$r	51	92	5	6	2	-	9	10	800
10	Spurn Head	998·9	-12	SE'E	5	c	53	85	5	5	-	8	7-8	9	4000
	Catterick	999·0	-14	S'E	4	r$_0$r$_0$	54	65	6	6	1	-	1	10	1500
	Tynemouth	997·8	-16	SE	4	c	48	85	6	5	-	-	9+	9+	1500
11	St. Abbs Head	997·9	+4	SE	5	c	47	85	6	5	6	-	7-8	10	2500
	Leuchars	997·7	-2	SE	4	z$_0$	49	85	6	5	1	-	7-8	7-8	2500
12	Renfrew (Abbotsl.)	995·8	-2	SSE	4	z$_0$	51	75	6	5	2	-	7-8	10	2500
	Eskdalemuir	996·9	+2	S'E	3	rr	46	85	6	6	2	-	7-8	10	800
	Point of Ayre	995·6	+4	S	5	c	53	85	7	8	-	6	4-6	7-8	2500
13A	Tiree	993·1	+4	SE	4	bc	52	85	7	5	6	-	4-6	4-6	2500
13B	Stornoway	994·8	0	SSE	1	c	51	75	8	5	7	-	7-8	10	4000
15	Dalwhinnie	996·4	0	SSE	6	c	49	85	7	4	1	-	4-6	10	2500
	Aberdeen	999·8	-2	SE'S	4	c	48	85	6	5	3	-	7-8	9	800
	Wick	998·1	0	SSE	6	c	48	85	6	5	4	1	4-6	7-8	1500
16	Lerwick	1002·1	-2	S	6	c	46	85	7	8	7	-	4-6	7-8	800
17	Blacksod Point	990·4	+8	SSE	3	c	52	75	8	9	-	-	9	9	800
18	Malin Head	992·2	+2	S	3	c	56	55	8	8	5	-	2-3	7-8	5700
	Aldergrove	993·0	-2	S'E	3	c	55	55	8	2	-	-	7-8	7-8	2500
19	Birr Castle	992·4	-2	S	1	c/pr	51	75	8	8	7	-	7-8	9	1500
20	Valentia Obsy.†	992·2	+2	SW'W	5	bc	54	65	8	2	3	2	4-6	4-6	2500
	Roches Point	993·7	0	SW	3	bc	53	85	9	3	-	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	998·2	+2	SW'W	3	bc	54	75	8	1	-	-	2-3	2-3	2500	1	*
Croydon	998·7	-2	SW	3	bc	54	75	7	4	-	-	4-6	4-6	2500	1	*
S. Farnborough	997·8	+6	SW'S	3	bc	53	75	8	8	-	-	4-6	4-6	2500	1	*
Boscombe Down	997·5	-2	SW	4	bc	53	75	8	1	-	2	4-6	4-6	2500	1	*
Calshot (Soton.)	998·3	+2	SW	4	bc	53	85	8	1	-	6	2-3	2-3	1500	1	2
Lympne	1000·5	-2	SSW	3	c	49	85	8	5	7	-	7-8	9+	800	0	§4
Manston	999·3	-6	S	2	c	53	75	8	5	3	-	2-3	7-8	4000	1	*
Shoeburyness	999·2	-10	S'W	4	bc	53	75	8	4	4	-	2-3	4-6	4000	1	*
Felixstowe	999·6	-4	SE	3	c/r	50	92	6	5	7	-	7-8	9+	4000	1	1
Gorleston	1000·8	-6	SSE	4	pr	52	92	6	6	-	-	10	10	2500	1	2
Mildenhall	998·0	-4	SE	4	c	54	75	8	5	7	-	9	9+	1500	1	*
Cranwell	998·2	-6	SE	3	r$_0$r$_0$	50	92	6	5	2	-	9	10	2500	1	*
Birmingham	997·4	-6	SSE	2	bc	52	65	7	7	-	-	2-3	2-3	2500	1	*
Upper Heyford	998·5	-6	-	0	bc	51	75	8	5	3	-	2-3	4-6	2500	1	*
Ross-on-Wye	996·8	-4	SSW	2	pr	51	75	8	8	-	-	9	9	2500	1	*
Hartland Point	996·4	-4	W	2	c	52	75	8	8	-	-	7-8	7-8	1500	0	2
Bristol	998·1	+4	W	2	pr	49	85	7	8	7	-	4-6	9	1500	1	*
Portland Bill	998·2	+6	SW	3	bc	50	92	7	5	-	-	4-6	4-6	2500	1	4
Plymouth	997·4	-6	S'W	4	bc	51	85	8	2	4	2	2-3	2-3	2500	1	3
The Lizard	996·7	-4	S	3	c	51	85	8	8	7	-	7-8	7-8	2500	0	2
Scilly (St. Mary's)	995·6	-14	S'E	4	bc	51	92	8	8	6	5	2-3	4-6	2500	0	3
Guernsey	998·6	-6	SSE	1	bc	54	75	8	-	7	-	0	4-6	-	1	3
Pembroke	995·7	-2	SW'S	2	b	50	92	7	2	-	-	1	1	4000	1	2
Holyhead	996·3	0	SSW	3	bc	52	85	8	2	-	3	1	2-3	4000	1	2
Chester (Sealand)	996·4	+4	S'W	1	RR	48	92	5	5	2	-	7-8	10	2500	1	*
Manchester	996·4	-6	ESE	2	m	51	85	4	-	3	4	0	4-6	-	1	*
Spurn Head	998·2	-4	SW'S	2	o/pr	52	85	6	5	-	-	10	10	2500	1	1
Catterick	997·4	-4	SE'S	3	r$_0$r$_0$	50	92	6	6	2	-	7-8	10	800	1	*
Tynemouth	998·5	-4	SE	3	c/pr	47	92	3	5	-	-	9	9	1500	1	1
St. Abbs Head	997·3	-4	SE	5	ir	45	97	5	3	2	-	7-8	10	1500	1	3
Leuchars	997·5	-2	SE	2	r$_0$r$_0$	47	97	5	6	2	-	9	10	800	1	*
Renfrew (Abbotsl.)	995·7	0	SE'E	3	c	54	65	8	8	6	8	4-6	4-6	2500	0	*
Eskdalemuir	996·4	-2	-	0	r$_0$r$_0$	47	92	6	-	2	-	10	10	450	1	*
Point of Ayre	995·6	0	S	3	c	53	85	8	8	-	9	4-6	9+	2500	0	2
Tiree	993·2	+2	SE'E	4	bc	52	65	7	5	4	-	4-6	4-6	2500	0	3
Stornoway	995·8	+4	SE	1	c	49	85	7	5	7	-	4-6	10	2500	1	0
Dalwhinnie	996·1	+10	SE	4	c	46	85	7	6	2	-	2-3	10	2500	1	*
Aberdeen	999·4	0	SE'S	4	bc	47	85	6	5	-	6	1	4-6	800	0	2
Wick	998·3	0	SSE	6	c	47	92	6	5	2	-	9	10	800	0	3
Lerwick	1002·6	+2	SSE	6	c	46	92	6	8	7	-	7-8	9	800	0	*
Blacksod Point	991·0	+4	SSW	5	bc	51	75	8	2	-	4	2-3	4-6	2500	0	3
Malin Head	993·6	+6	S	3	c	50	85	8	2	4	1	2-3	9	1500	0	3
Aldergrove	993·0	+2	SSE	4	bc	53	65	7	7	-	1	2-3	4-6	2500	1	*
Birr Castle	992·4	0	S	2	c/pr	52	75	8	8	7	-	4-6	9	1500	1	*
Valentia Obsy.†	992·4	+2	SW'W	4	bc/pr	52	65	8	3	-	-	4-6	4-6	2500	1	4
Roches Point	993·6	0	SW	3	bc	52	85	8	2	4	-	2-3	4-6	2500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 5th. (37)	13h.—18h. 5th. (38)	18h. 5th. to 1h. 6th. (39)	1h.—7h. 6th. (40)
London (Kew)	cm$_0$pr$_0$c	cpdcm$_0$bc	bcbbcw	bccmw
Croydon	cir$_0$r$_0$r$_0$	cr$_0$dm$_0$	bbccm$_0$w	cm$_0$wcm
S. Farnborough	r$_0$r$_0$d$_0$c	d$_0$d$_0$cbbc	bm$_0$f	fFe$_0$
Boscombe Down	crrr$_0$r$_0$	cr$_0$bc	bcbm$_0$	bmFfw
Calshot (Soton.)	cr$_0$r$_0$m$_0$	bbc	bbccm$_0$w	cm$_0$wcm$_0$
Lympne	bcz$_0$	cr$_0$r$_0$ir$_0$bc	cbwbcm$_0$w	bcm$_0$wc
Manston	bcm$_0$y	bccir$_0$m$_0$	cir$_0$bm$_0$w	cm$_0$
Shoeburyness	m$_0$cbcc	cir$_0$bc	bcw	bcwcm$_0$
Felixstowe	bcm$_0$cm$_0$	cm$_0$cr$_0$r$_0$	cm$_0$b	bcwcm$_0$
Gorleston	cz$_0$z$_0$	copr$_0$	opr$_0$c	cz$_0$
Mildenhall	cy	cycir$_0$c	cbcbm$_0$	bm$_0$wb,cm
Cranwell	ofcm$_0$r$_0$	cz$_0$r$_0$r$_0$m$_0$	cr$_0$r$_0$m$_0$cm	cm$_0$bcfefe
Birmingham	or$_0$r	orbc	bc	bcbf
Upper Heyford	cddrrm$_0$	rr$_0$r$_0$cbc	cprbf	of
Ross-on-Wye	rrcr$_0$c	cbcyc	cb	bwcm$_0$f
Hartland Point	cpbc	bcc	cp	rrr$_0$c
Bristol	crRcr$_0$	cr$_0$Rr	cpr$_0$bc	bcwcm$_0$f
Portland Bill	rrbc	bc	bc	bc
Plymouth	bm$_0$bc	bc	bcoRRr	orrir$_0$c
The Lizard	bc	bcc	cpr$_0$c	cr$_0$r$_0$
Scilly (St. Mary's)	bcpqbc	bcp$_0$bc	bccw	cpc
Guernsey	cbc	bc	bcc	bcc
Pembroke	bc	bcb	bccpr	orrc
Holyhead	cb	bbcb	bw	bwc
Chester (Sealand)	r$_0$r$_0$rrm$_0$	cz$_0$rRRm$_0$	cRRr$_0$m	bcm$_0$FF
Manchester	r$_0$r$_0$rrm$_0$	rrr$_0$bcm	bcmfbcm	bcm$_0$FF
Spurn Head	pr$_0$m$_0$c	cpr$_0$	pr$_0$bc	bcFF
Catterick	id$_0$r$_0$r$_0$o	or$_0$r$_0$m$_0$	pm$_0$r$_0$r$_0$	om$_0$om
Tynemouth	bcc	cop$_0$c	or$_0$r$_0$m	oirmc
St. Abbs Head	m$_0$c	cm$_0$ir	ffir$_0$	Feir
Leuchars	cm$_0$	cm$_0$r$_0$r$_0$m$_0$	r$_0$r$_0$cir	ir$_0$cm
Renfrew (Abbotsl.)	r$_0$rrm$_0$	cm$_0$c	cbcm$_0$	bm$_0$bcffw
Eskdalemuir	ir$_0$crr	r$_0$rrr$_0$	or$_0$r$_0$	r$_0$cbcb
Point of Ayre	rrc	c	cbcbw	bcw
Tiree	c	bc	bcc	cbc
Stornoway	cpr$_0$	cpr$_0$	c	cpr$_0$
Dalwhinnie	cir$_0$	cir$_0$	·	cRr
Aberdeen	cz$_0$	cbcz$_0$	bcz$_0$c	cirRcm
Wick	m$_0$cz$_0$	bccm$_0$	cpr$_0$c	cm$_0$r$_0$
Lerwick	c	cm$_0$	c	cbc
Blacksod Point	c	bc	cbc	pr$_0$c
Malin Head	cbcyc	bcprc	cprcbcc	bcc
Aldergrove	bccy	cybcy	bccir$_0$	cbwm$_0$
Birr Castle	bccpr	cpr	cprbc	bcxc
Valentia Obsy.†	cpr$_0$cbc	bccpr$_0$bc	bbcw	bcwbc
Roches Point	cprbc	bc	bc	coffe

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⟶ gale.
⊕ Solar halo. ⦶ lunar halo. ⌂ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
— .. Fresh snow has fallen in the mountains.

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.*

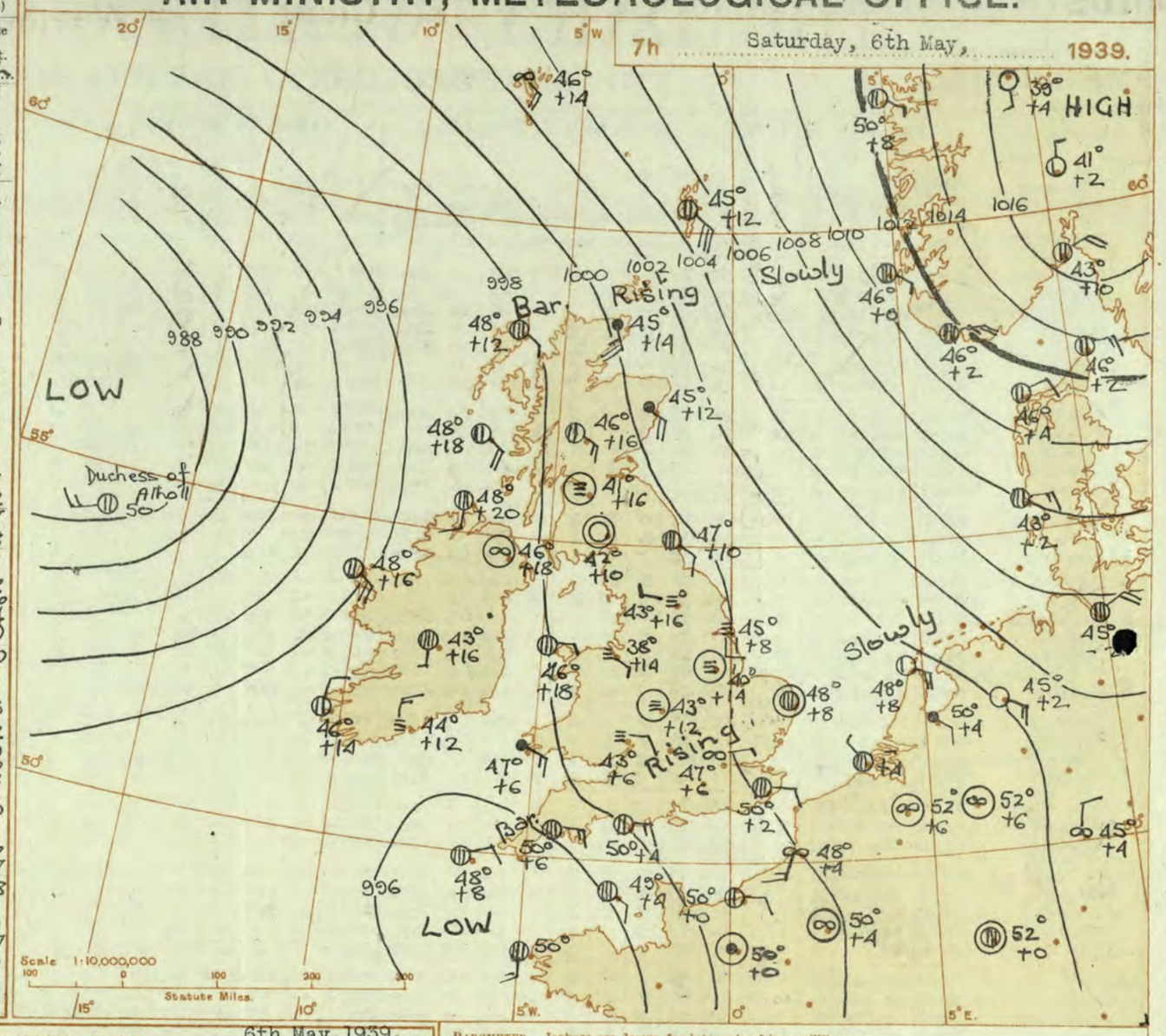
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 5th May, 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 4th to 9h. 5th	Temperature. (°F) Max. 9h.—17h. 5th	Rainfall. (mm.) Night. 17h. 4th to 9h. 5th	Rainfall. (mm.) Day. 9h.—17h. 5th	Sunshine. (Hrs.) Sunrise to 17h. 5th	Sunshine. (Hrs.) Sunrise to Sunset. 4th
1	Tunbridge W.	co	odoc	40	58	-	0·5	2·2	6·4
	Bournemouth	rr	bcb	46	57	7	5	4·0	9·1
	Ventnor ...	orf	ocb	44	54	3	4	3·7	11·4
	Southsea ...	oro	ocbcb	46	55	2	3	3·0	7·2
	Bognor Regis	rr	rbcb	46	54	1	2	2·3	8·8
	Littlehampton	cr	crcbc	45	55	1	2	2·3	8·3
	Worthing ...	cr	crbcb	44	53	0·5	1	2·3	8·5
	Brighton ...	dc	cbc	45	52	Trace	Trace	1·3	9·1
	Eastbourne† ...	cor	rocb	45	55	-	1	2·7	12·2
	Hastings† ...	ccop	prcbc	45	54	-	2	4·2	10·3
	Folkestone ...	mobbc	corpc	44	59	-	0·3	4·3	9·4
	Dover ...	bcc	corbc	46	59	-	0·5	5·1	6·6
	Deal	bcbbc	bccdc	45	62	-	Trace	6·4	7·9
	Ramsgate ...	bc	copbc	45	57	-	Trace	6·5	7·7
	Margate ...	bc	bcbbc	44	62	-	-	6·8	6·5
2	Southend ...	b	bccpc	44	61	-	Trace	6·4	9·5
	Clacton-on-Sea	bcz	bcor	46	54	-	0·3	7·2	10·0
	Dovercourt ...	bc	bcroc	35	59	-	Trace	7·2	10·9
	Lowestoft ...	cbcb	bbccr	42	59	-	2	6·1	11·8
	Skegness ...	bzbc	bco	39	58	-	-	3·0	11·7
	Mablethorpe...	bcbc	ocop	40	55	-	Trace	4·5	11·7
	Cleethorpes ...	cr.bc	cr.o	36	58	Trace	Trace	2·9	9·2
3	Leamington S.	or	orc	42	53	1	4	0·3	5·7
4	Cheltenham†	orr	orcbc	42	57	1	4	2·5	4·8
5	Bath	rrc	cbcp	45	56	5	3	1·7	6·9
	Weymouth ...	rrc	b	48	55	11	1	6·1	7·6
	Jersey ...	rcbc	bcc	49	56	4	-	6·6	11·6
	Torquay ...	pcb	bbc	48	58	6	-	9·9	4·4
	Falmouth ...	b	b	45	58	7	-	10·0	0·0
	Penzance ...	bcobc	bc	45	57	6	-	10·1	0·0
	St. Ives ...								
	Bude... ...	bc	bcc	47	55	4	-	8·3	0·1
	Ilfracombe ...	rrcbc	bcbbc	47	55	9	-	6·7	7·5
6	Aberystwyth	prbcc	bc	48	55	0·5	-	8·1	0·2
7	Llandudno ...	cbc	cbcc	46	56	Trace	-	2·4	1·0
	Colwyn Bay...	cbcbc	bccbc	50	59	-	-	3·4	2·2
	Rhyl	r.c	cprt	46	58	Trace	0·5	0·9	1·8
8	Wallasey ...	rrc	cor	44	54	3	3	0·1	6·0
	Southport ...	orrm	rmcz	44	55	2	2	0·0	*
	Blackpool ...	orr	ocm.o	44	54	4	3	0·0	2·6
	Morecambe ...	odr	cdr	47	52	2	8	0·0	4·7
9	Ilkley... ...	orr	rr	39	51	0·2	8	0·0	8·8
	Harrogate ...	oc	cro.o	38	52	-	1	0·0	6·1
10	Berwick-on-T.	bcco	r.o	42	53	-	Trace	3·8	5·9
11	Dunbar ...	cm.	cr.	44	55	-	0·5	2·9	5·7
12	Troon... ...	ocopo	cbc	45	60	-	Trace	2·9	0·6
	Douglas ...	bcr.	bc	44	52	5	Trace	4·8	0·9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind variable to easterly, light; mainly cloudy but some brighter periods; local thundery rain; local morning mist and fog; temperature rather below average.
5 S.W. England 6 South Wales ...	Wind southeast, light to moderate; dull; local coast fog; occasional drizzle later; rather cold.
7 North Wales ... 8 N.W. England 9 N. Midlands	As 1.
10 N.E. England 11 S.E. Scotland	As 1. Wind east to variable, light; cloudy; occasional rain, sometimes of a thundery type; average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland.	Wind southeast, moderate to fresh; dull; occasional rain; coast fog; rather cold.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind southeast, moderate; bright periods; some local thundery showers; becoming colder.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W Ireland	Wind southeast, fresh; cloudy or dull; local coast fog; cold.
	Wind variable to southeast; light or moderate; considerable bright periods; local showers perhaps with thunder; rather cool.

H.M.S.O. Press, Cornwall House S.E.1.

GENERAL INFERENCE.

A complex area of low pressure over France will extend its influence northwards and a depression west of Ireland will continue to fill up. Weather will be unsettled with local thundery rain in the West and South. In the East conditions will be dull with local rain and coast fog. It will become colder in the North and East.

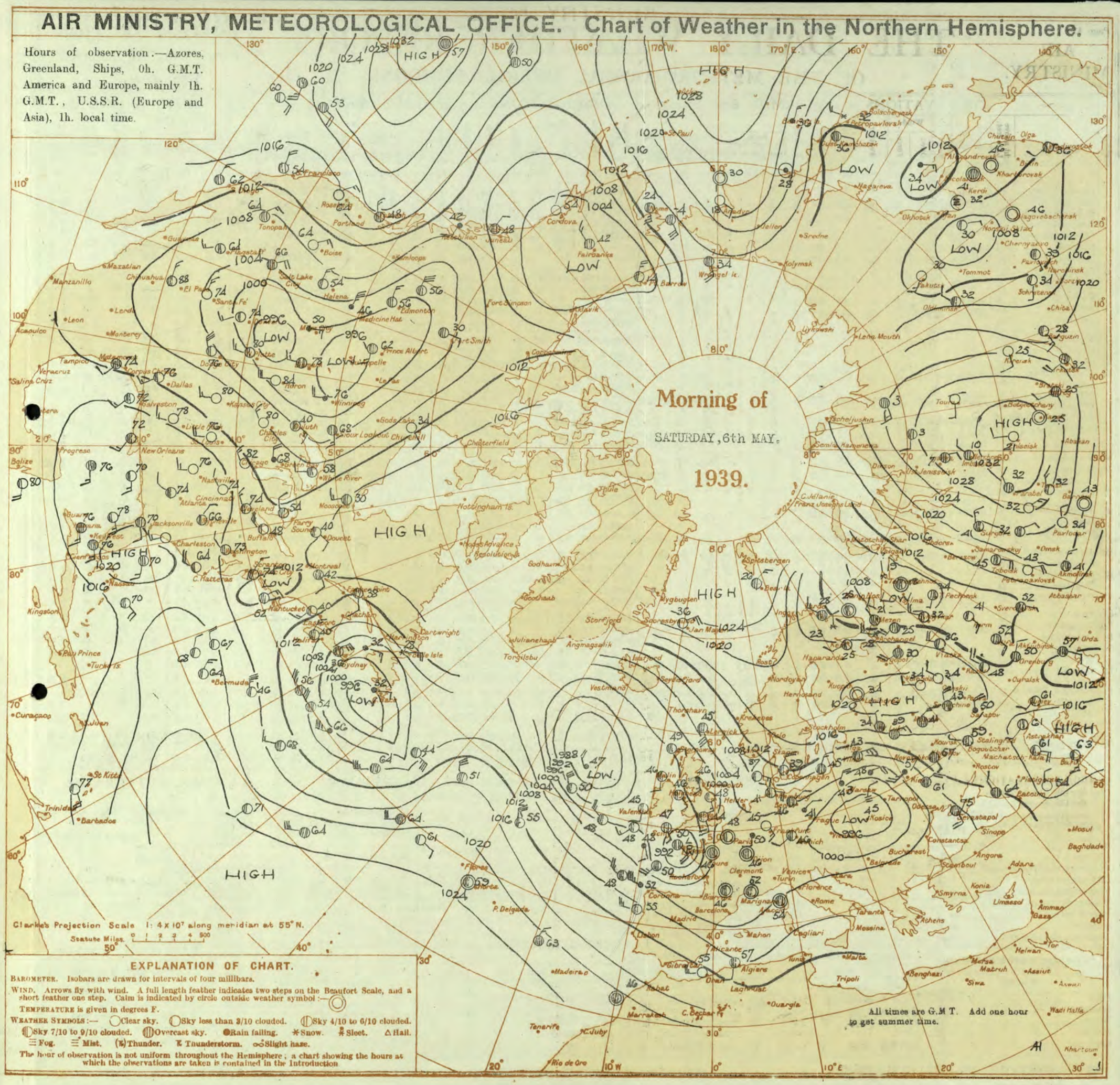
FURTHER OUTLOOK.

Cool in the north; unsettled generally.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 6th May, 1939.

No. 28289

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	999.8	+2	S'E	4	z₀	44	97	5	5	-	-	9+	9+	220
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1000.8	-2	SSW	1	bc	45	97	6	-	9	-	0	4-6	-
	Manston	154	999.7	-2	SSW	3	bc	43	97	6	-	-	6	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	999.9	0	SSW	2	c	47	85	6	5	-	-	7-8	7-8	2500
	Mildenhall	19	998.5	-2	SSE	2	z₀	41	97	5	-	-	1	0	1	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	995.9	-4	SE	3	c	47	85	8	8	-	-	9	9	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	998.0	-8	SE	3	bc	48	92	8	5	-	-	4-6	4-6	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	994.9	-10	SE'S	3	c/pr	47	97	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	994.1	-10	SSE	1	c	47	97	8	8	4	4	4-6	7-8	1500
	Guernsey	175	996.6	-16	N'E	1	c	49	92	9	8	-	-	7-8	7-8	2500
6	Pembroke	142	996.3	0	SE'S	2	c/pr	48	92	7	8	-	-	7-8	7-8	1500
7	Holyhead	26	995.9	0	SE	1	b	46	92	8	2	4	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	998.1	0	SSE	3	bc	48	92	7	-	8	-	0	4-6	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	998.3	-6	SSE	3	ir	46	97	4	-	2	-	10	10	1500
11	St. Abbs Head	280	997.9	0	SE	3	of+	44	97	2	5	-	-	10	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	996.5	+4	SSW	2	b	41	92	8	-	4	-	0	1	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	996.1	0	ESE	2	c	49	85	6	5	1	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1000.0	+4	SSE	6	c	46	92	6	5	-	-	9+	9+	800
16	Lerwick	156	1004.5	+8	SSE	6	c	45	85	7	8	7	-	4-6	7-8	800
17	Blacksod Point	18	993.2	+6	SSW	3	bc	48	75	8	2	-	-	4-6	4-6	2500
18	Malin Head	84	994.0	+2	S	2	c	46	92	8	4	3	-	2-3	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	994.0	+2	SSW	2	bc	45	97	8	8	-	-	2-3	2-3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 6th May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temp. Max. Day 7h–18h °F. (31)	Temp. Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 5th Hrs. (36)
London (Kew)	999.8	+6	NNE	2	m	46	97	4	5	3	-	7-8	9+	5700	1	*	55	42	32	0·1	-	1·5
Croydon	999.8	+6	E'N	1	z₀	47	97	6	5	5	-	4-6	9+	5700	1	*	56	41	36	0·1	-	2·4
S. Farnborough	999.3	+8	E'N	2	of-	44	97	2	5	-	-	10	10	450	1	*	53	42	37	1	Tr	2·2
Boscombe Down	998.8	+6	E	2	f-	43	97	2	-	-	-	10	10	<150	1	*	55	41	36	12	Tr	3·8
Calshot (Sthmtn.)	998.4	+2	E'N	3	z₀	48	92	6	5	-	2	4-6	9+	4000	1	1	55	44	40	3	-	4·7
Lympne	1000.3	+2	E'S	2	c	50	85	7	-	9	2	0	7-8	-	0	§1	57	42	36	0·2	Tr	5·5
Manston	1000.1	+8	NE	1	c	48	92	6	5	9	-	2-3	7-8	5700	1	*	62	42	36	0·1	0·1	6·9
Shoeburyness	1000.3	+8	NNE	1	c	47	97	6	5	7	-	2·3	9+	7200	1	*	61	43	34	Tr	-	7·8
Felixstowe	1000.6	+10	-	0	z₀	46	97	5	-	4	6	0	9+	-	1	0	58	40	32	0·5	-	7·0
Gorleston	1000.9	+8	-	0	c	48	92	6	5	3	-	4-6	7-8	2500	1	2	53	44	43	0·1	0·4	5·0
Mildenhall	1000.1	+14	E'S	1	z₀	45	92	5	-	7	6	0	9+	-	1	*	62	37	33	0·1	Tr	5·6
Cranwell	999.8	+14	-	0	f-	40	97	2	-	-	-	10	10	<150	1	*	57	36	30	1	0·6	0·8
Birmingham	999.6	+12	-	0	f	43	97	3	-	-	-	10	10	<150	1	*	53	39	33	7	-	2·6
Upper Heyford	1000.1	+10	-	0	f	43	97	3	-	-	-	10	10	<150	1	*	51	39	35	9	1	*
Ross-on-Wye	999.1	+6	E	2	of	43	97	3	5	-	-	10	10	220	1	*	59	38	27	1	-	1·9
Hartland Point	995.8	+2	ENE	3	c	48	92	8	6	2	-	4-6	10	1500	1	2	54	46	44	0·3	3	10·3
Bristol	998.5	+6	SSE	2	z₀	44	97	6	5	-	-	7-8	7-8	450	1	*	55	42	40	6	0·1	0·9
Portland Bill	997.9	+4	E	3	bc	50	92	7	1	4	-	4-6	4-6	2500	1	2	52	45	*	5	-	*
Plymouth	995.8	+6	E'S	3	c/r	50	85	8	6	2	-	4-6	10	2500	1	2	55	48	46	-	6	12·7
The Lizard	994.5	+10	ESE	2	r₀r₀	49	97	7	5	-	-	10	10	1500	1	2	55	46	*	-	2	10·5
Scilly (St. Mary's)	994.4	+8	ENE	2	cjp	48	97	8	8	7	-	4-6	9+	1500	1	1	56	45	*	1	1	12·5
Guernsey	999.7	+4	SE	2	c	49	92	7	5	3	-	4-6	10	2500	1	3	58	48	45	1	-	9·7
Pembroke	997.5	+6	SE'E	3	rr	47	97	6	8	2	-	7-8	10	1500	1	2	53	46	*	-	5	12·8
Holyhead	997.8	+18	E	1	c	46	92	9	5	-	5	7-8	7-8	4000	0	1	56	44	34	-	Tr	10·5
Chester (Sealand)	999.3	+14	SE	1	F-	38	97	1	-	-	-	10	10	<150	1	*	55	37	36	4	4	0·0
Manchester	999.2	+20	S'E	1	bcf-	43	92	3	-	3	-	0	2-3	-	1	*	52	34	31	6	-	0·1
Spurn Head	1000.0	+8	S	2	F	45	97	1	-	-	-	10	10	<150	1	1	54	44	*	Tr	1	5·1
Catterick	999.3	+16	W'N	1	m	43	97	4	5	-	-	10	10	450	1	*	55	39	34	2	1	0·1
Tynemouth	999.3	+10	SE	2	c	47	97	5	5	-	-	9+	9+	2500	1	1	49	46	45	1	5	3·5
St. Abbs Head	999.9	+20	S	2	F	45	97	0	-	-	-	10	10	<150	1	*	49	44	*	0·1	2	*
Leuchars	999.5	+14	ESE	1	m	48	92	4	5	7	-	9+	10	450	1	*	52	45	45	2	6	0·9
Renfrew (Abbots I.)	999.5	+16	-	0	bcf-	41	92	3	4	-	-	4-6	4-6	4000	0	*	57	36	30	1	-	0·4
Eskdalemuir	999.2	+10	-	0	b	42	92	8	-	-	-	0	0	-	1	*	48	33	29	6	2	0·0
Point of Ayre	998.9	+16	SSE	1	bc	50	92	7	2	-	-	2-3	2-3	1500	1	1	56	41	*	0·3	-	7·0
Tiree	997.2	+18	SE	4	bc	48	85	7	5	3	-	4-6	4-6	2500	0	3	53	45	43	-	-	6·8
Stornoway	997.7	+12	SE	1	c	48	92	6	5	5	-	7-8	9+	2500	0	0	51	44	*	Tr	Tr	0·0
Dalwhinnie	999.5	+16	SE	3	bc	46	85	8	4	5	1	1	4-6	4000	1	*	50	38	29	1	4	3·0
Aberdeen	1000.9	+12	SE	4	rr	45	92	6	6	2	-	9+	10	4000	1	3	51	45	44	-	5	2·4
Wick	1000.6	+14	SSE	5	r₀r₀	45	92	6	5	2	-	9	10	800	1	2	48	45	*	-	0·2	*
Lerwick	1005.7	+12	SE	6	bc	45	85	7	5	1	-	4-6	4-6	1500	0	*	47	44	*	-	-	1·9
Blacksod Point	995.2	+16	SE	4	bc	48	75	8	3	-	-	4-6	4-6	1500	1	3	54	45	*	-	0·5	*
Malin Head	997.4	+20	S	2	c	48	92	8	3	4	1	2-3	7-8	5700	0	2	59	47	*	3	1	7·1
Aldergrove	997.5	+18	-	0	z₀	46	92	6	2	4	-	Tr	2-3	1500	1	*	58	39	32	-	Tr	9·0
Birr Castle	996.4	+16	S	1	c	43	97	7	5	-	-	10	10	2500	1	*	58	38	30	3	0·1	6·9
Valentia Obsy. †	996.1	+14	NE'N	2	bc	46	85	8	8	5	1	2-3	4-6	2500	1	3	55	40	33	0·4	Tr	7·7
Roches Point	996.3	+12	N	3	of	44	97	3	5	-	-	10	10	<150	1	3	54	42	*	0·3	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	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	cm₀pr₀c	cpdcm₀bc	bcbbcw	55	42	32	0·1	-	1·5	•	•	5
Croydon	217	cir₀r₀r₀	cr₀dm₀	bbccmw	56	41	36	0·1	-	2·4	•	•	7
Greenwich (Royal Observatory)	149	cd₀	cr₀c	bwc⊕	58	41	32	Tr	Tr	1·9	84	70	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·1	•	•	•
Westminster (St. James' Park)	27	•	•	•	57	43	37	0·3		1·0	87	71	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	55	41	37	0·4	-	0·9	86	73	•
Camden Square	110	c	c	•	56	42	36	0·3	-	*	•	75	•
Kensington	80	bc	cp	•	56	42	35	0·3	-	1·4	At 18h 86	77	•
Hampstead Observatory	450	o	or	bcm	54	41	37	1	-	0·9	•	69	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 6th

	Max.	Time.	Min.	Time.
South Kensington.	0·6	6-7h 6th	<0·3	10-11h 5th
Kew Observatory.	0·3	7h 6th	<0·1	10-13h 5th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 6th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1001.1	WNW	2	c	57	1000.9	-	0	z₀	50	63	46	Tr	-
Brussels	1000.5	S	1	c/pr	55	1000.5	-	0	z₀	52	66	45	Tr	0·6
Berlin	1007.0	E	5	r₀r₀	50	1003.3	NNE	2	r₀r₀	45	57	43	Tr	2
Zürich						1002.0	ESE	1	z₀	48		45		0·1
Rome	1004.9	SW	2	bcjf	61	1007.7	SSW	3	cjf	59	*	*	-	-

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.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 7th May, 1939.
No. 28290.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	999.6	-2	E	3	c	59	65	6	5	-	-	7-8	7-8	4000
	Croydon	999.9	+2	SE'E	3	c	59	65	7	2	6	-	4-6	9	4000
	S. Farnborough	1000.3	+10	SE	2	PR	50	85	6	8	-	-	10	10	1500
	Boscombe Down	999.3	+6	-	0	pr	53	85	7	8	-	-	9+	9+	1500
	Calshot (Soton.)	999.2	+6	E'S	4	bc	53	85	8	8	-	3	2-3	2-3	2500
	Lympne	1000.9	-2	E	2	bc	56	65	8	2	6	6	1	4-6	4000
	Manston	1000.7	-2	NE	2	c/pr	55	75	7	8	7	-	4-6	9+	5700
2	Shoeburyness	1001.0	+2	E'N	3	bc	53	75	8	2	-	2	1	4-6	7200
	Felixstowe	1001.6	+6	SE	2	bc	53	85	7	2	4	8	Tr	4-6	2500
	Gorleston	1001.6	+4	E'N	1	bc	52	85	6	-	-	8	0	4-6	-
	Mildenhall	1000.7	+4	NE	1	c⊕	59	55	8	7	-	7	1	10	2500
	Cranwell	1000.7	-2	ENE	4	c	58	55	7	1	-	7	1	10	4000
3	Birmingham	1000.3	+2	E	2	c	58	45	8	1	-	1	2-3	7-8	2500
	Upper Heyford	1000.1	-2	E'N	2	c	59	65	7	8	-	1	7-8	9	2500
4	Ross-on-Wye	999.3	0	ENE	3	bc	60	65	8	2	-	1	4-6	4-6	4000
5	Hartland Point	997.2	+6	E	3	ir_o	54	65	8	8	2	-	4-6	9+	2500
	Bristol	999.1	0	E'N	3	c	59	55	8	8	-	3	7-8	7-8	2500
	Portland Bill	998.8	+10	E	3	bc	52	85	8	4	4	-	2-3	4-6	2500
	Plymouth	997.7	+14	SE	3	c/r	52	85	6	6	7	-	7-8	9+	1500
	The Lizard	997.0	+20	ESE	2	id_o	51	97	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	996.9	+14	NE'N	3	c	54	92	8	8	7	-	7-8	9+	1500
	Guernsey	999.6	-2	SE	3	c	54	85	7	8	-	-	9+	9+	1500
6	Pembroke	998.5	+4	SE	2	c	52	85	6	8	2	-	7-8	9+	1500
7	Holyhead	999.5	+6	NW	3	bc	53	75	8	2	9	3	1	4-6	4000
	Chester (Sealand)	1000.1	+2	SE	1	bc	61	45	8	2	-	1	4-6	4-6	2500
8	Manchester	999.9	0	SSE	2	ic	62	45	7	2	-	6	2-3	7-8	4000
10	Spurn Head	1001.4	+6	E'N	3	f-	49	92	3	-	-	-	10	10	<150
	Catterick	1000.8	+4	SE	1	z_o	60	65	6	1	-	6	4-6	9	2500
	Tynemouth	1001.5	+8	SSE	3	bc	49	92	5	6	-	-	4-6	4-6	2500
11	St. Abbs Head	1001.4	+16	SE	3	F-	47	92	1	-	-	-	10	10	<150
	Leuchars	1002.3	+14	E	3	z_o	48	92	5	5	-	-	10	10	450
12	Renfrew (Abbotsl.)	1001.2	+8	-	0	z_o	58	65	5	5	-	-	2-3	2-3	4000
	Eskdalemuir	1000.0	+6	E'S	1	c	57	55	8	8	-	1	7-8	9	2500
	Point of Ayre	1000.5	+8	E'N	2	b	54	85	7	2	-	6	Tr	1	2500
13A	Tiree	1000.3	+12	SE'S	4	bc	54	75	8	1	4	-	2-3	4-6	2500
13B	Stornoway	1001.2	+10	SSE	2	bc	54	65	8	1	4	4	1	4-6	4000
15	Dalwhinnie	1001.8	+12	SE	2	c	52	65	8	4	2	-	2-3	10	2500
	Aberdeen	1004.0	+12	SE'E	3	c/r	45	97	6	6	2	-	9+	10	800
	Wick	1003.9	+14	SSE	5	$r_o r_o$	45	97	6	5	2	-	9+	10	800
16	Lerwick	1008.3	+14	SE'S	6	c	45	75	7	5	2	-	7-8	10	800
17	Blacksod Point	998.1	+10	S	4	c	54	65	8	2	-	4	2-3	7-8	2500
18	Malin Head	999.4	+8	N	1	c	55	65	8	-	5	-	0	7-8	-
	Aldergrove	999.5	+8	SSE	2	c	57	55	8	2	-	-	9+	9+	2500
19	Birr Castle	998.7	+8	SSE	1	pr	52	85	7	8	2	-	7-8	9+	1500
20	Valentia Obsy.†	998.6	+16	S	4	bc	57	65	9	2	-	2	2-3	4-6	2500
	Roches Point	998.6	+12	E'S	3	c	52	85	9	3	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1001.4	+16	NNW	1	m	53	85	4	5	-	-	9	9	4000	1	*
Croydon	1000.8	+10	ENE	3	c	57	65	6	8	6	2	4-6	9	4000	1	*
S. Farnborough	1001.0	+14	NNE	1	c/pr	51	85	7	8	3	-	7-8	7-8	2500	1	*
Boscombe Down	1000.5	+6	-	0	bc	56	75	8	8	7	1	4-6	4-6	2500	1	*
Calshot (Soton.)	1000.1	+6	E	1	b	53	85	8	3	3	8	Tr	1	4000	1	1
Lympne	1001.4	+4	NE	3	c	54	65	8	-	7	6	0	9+	-	0	§2
Manston	1001.2	+6	NE	3	c	52	65	7	2	7	8	1	9+	4000	1	*
Shoeburyness	1001.5	+6	E'N	3	c	54	65	8	-	5	6	0	9	-	0	*
Felixstowe	1001.7	+6	E'S	2	z_o	51	85	6	2	4	8	Tr	7-8	2500	0	1
Gorleston	1002.2	+8	NE	2	c	50	92	6	-	4	-	0	7-8	-	0	2
Mildenhall	1001.0	+6	N	3	c	61	55	8	8	-	6	4-6	9+	4000	0	*
Cranwell	1002.0	+10	ENE	2	c	55	75	8	5	-	2	1	7-8	4000	0	*
Birmingham	1001.4	+8	E	1	bc	58	45	8	2	-	1	2-3	4-6	4000	1	*
Upper Heyford	1001.6	+14	NW	2	c/pr	51	85	7	8	6	-	7-8	9+	2500	1	*
Ross-on-Wye	1001.1	+10	SE	2	c	53	75	8	5	-	-	9+	9+	2500	1	*
Hartland Point	1000.2	+16	NNW	2	c/pr	49	97	8	8	-	-	9	9	1500	1	2*
Bristol	1001.0	+12	SE	1	pr	53	85	7	5	4	-	7-8	7-8	2500	1	
Portland Bill	1000.7	+18	E	3	bc	50	92	8	4	-	-	4-6	4-6	2500	1	2
Plymouth	1000.1	+14	S'E	3	c	55	75	8	2	7	3	2-3	7-8	2500	1	2
The Lizard	1000.4	+24	-	0	c	51	92	8	8	6	-	4-6	7-8	2500	1	2
Scilly (St. Mary's)	1000.5	+22	NW'N	3	bc	54	85	8	2	-	-	2-3	2-3	2500	0	2
Guernsey	1000.8	+6	NE	2	bc	53	75	7	-	3	-	0	4-6	-	0	2
Pembroke	1000.8	+10	NW	1	c	51	65	7	8	-	-	9	9	1500	1	1
Holyhead	1000.9	+14	N'E	3	pr	51	75	8	9	7	-	7-8	9+	2500	0	1
Chester (Sealand)	1001.1	+10	NNW	1	z_o	58	65	5	8	7	-	7-8	9	2500	1	*
Manchester	1001.2	+10	NNW	2	c/r	53	75	6	8	3	-	9	9+	4000	1	*
Spurn Head	1002.8	+6	E	3	c	48	92	6	-	-	7	0	10	-	0	2
Catterick	1002.7	+18	ESE	2	c	56	75	7	8	-	8	4-6	10	2500	0	*
Tynemouth	1003.3	+12	SE	3	o/f	46	97	5	5	-	-	10	10	1500	1	2
St. Abbs Head	1004.3	+4	SE	3	m	45	97	4	5	-	-	10	10	800	0	3
Leuchars	1004.5	+14	E	1	z_o	47	97	5	5	-	-	10	10	450	1	*
Renfrew (Abbotsl.)	1003.2	+16	E	4	z_o	55	85	6	8	-	1	7-8	7-8	2500	1	*
Eskdalemuir	1002.3	+16	E'S	4	c	53	75	6	8	-	-	9	9	1500	1	*
Point of Ayre	1002.0	+4	N'E	1	bc	52	85	7	-	4	6	0	4-6	-	0	1
Tiree	1001.9	+10	SE'E	1	bc	54	75	8	1	3	9	Tr	2-3	4000	0	2
Stornoway	1003.9	+14	E	1	c	51	75	8	5	4	6	1	7-8	4000	0	1
Dalwhinnie	1004.0	+18	SSE	4	c	48	85	7	4	6	1	4-6	9+	2500	0	*
Aberdeen	1006.2	+14	SE	3	id_o	45	97	4	6	2	-	9+	10	800	1	3
Wick	1006.1	+12	SE	5	c/r	45	97	6	5	2	-	7-8	10	800	1	3
Lerwick	1009.8	+8	SSE	6	c	45	85	7	5	7	-	7-8	9+	800	0	*
Blacksod Point	999.5	+12	S	3	bc	53	65	9	2	-	4	2-3	4-6	2500	0	3
Malin Head	1001.5	+8	E	2	c	55	65	8	7	4	2	2-3	7-8	5700	0	2
Aldergrove	1001.4	+14	SE'E	3	c	56	55	8	1	-	6	Tr	7-8	4000	1	*
Birr Castle	1000.8	+14	SSE	1	c/pr	51	92	7	8	1	-	7-8	9+	1500	1	*
Valentia Obsy.†	1001.0	+14	SSW	4	bc	53	65	9	7	4	1	2-3	2-3	2500	1	2
Roches Point	1001.2	+16	S'E	3	bc	53	85	9	3	3	-	2-3	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 6th (37)	13h.—18h. 6th (38)	18h 6th to 1h. 7th (39)	1h.—7h. 7th (40)
London (Kew)	cz_o	cz_o pr_ocm	cbcmfoF	oFfbmw
Croydon	cm_oc⊕	cpr_o	cz_obm_ow	bmwbcm
S. Farnborough	ofctPRc	cPRqbc	cbcbf	fFfb
Boscombe Down	fcm_ocpr_o	cpr_ocbc	bc	bcbw
Calshot (Soton.)	c$m_o$bbc	bbcb	b	bbm_o
Lympne	cbc	bcc⊕	cbcbm_ow	bmwfbm
Manston	cpr_o	ccy	cybcm_ow	bcffcm
Shoeburyness	c$m_o$wbc	bcc	c	ffo
Felixstowe	c$m_o$bc	bcccm_o	cm_obm_o	bm_ow
Gorleston	cbcz_o	bccz_o	cb$z_o$bc	cbc
Mildenhall	cm_oc	ajbcycy	cyc,b	bFF
Cranwell	ofebccy	cybc	bcbm_o	bwcm_o
Birmingham	fbc	bc	bc	bcf
Upper Heyford	ofbcc	ccPR	cpr_obc	bm_oF
Ross-on-Wye	ofomcbc	bcyc	c bm_ow	bmw
Hartland Point	cir_o	i$r_o$cp	c$pr_o$$r_o$	c
Bristol	c$m_o$bccy	cycpr_o	cpr_obcm	bcmFfw
Portland Bill	bc	bc	bc	bc
Plymouth	ci$r_o$$r_o$cm	i$r_o$$m_o$$pr_o$c	c	cbc
The Lizard	rrcid	cidc	bcw	bcw
Scilly (St. Mary's)	cidc	cbc	bcc	cbcwc
Guernsey	coir	cbc	bc	bcwb
Pembroke	i$r_o$$m_o$c	pr_oc	ir_oc	cbc
Holyhead	cbpr_oc	bccpr_o	c$pr_o$$m_o$c	cm_o
Chester (Sealand)	Fmbcz_oy⊕	bcycz_o	c$z_o$mbw	bwbcmm
Manchester	bcf$z_o$bcy	bcctlRq	c$z_o$bcz_o	bm_o
Spurn Head	ff	fc	bccw	c
Catterick	pmfcm_o	cytlc	ccm_oom_o	om_ow
Tynemouth	cbc	bcoff	oir_op	oc
St. Abbs Head	FFo	Ffom	om	ocir_o
Leuchars	cmir_ocm_o	cidmcm_o	cddmcm_o	cm_oc
Renfrew (Abbotsl.)	bcffpr_o	cPRHtpr	bcc$m_o$$pr_o$	bccm_o
Eskdalemuir	bbcc	cpr_oc	cm_o	cwm_o
Point of Ayre	bcb	bbc	bcc	c
Tiree	cbc	bc	bc	bcc
Stornoway	bc	bcc	cbc	bc
Dalwhinnie	bcc	cir_o	•	c
Aberdeen	rrcR	cm_ocd_o	md_ocz_o	cz_o
Wick	c$r_o$$m_o$	c$r_o$$m_o$	cm_o	cm_o
Lerwick	bce	c	cbc	bcc
Blacksod Point	pr_oc	bc	bc	PRc
Malin Head	cbcc	cbcc	cbccbcc	prc
Aldergrove	bcpr_ocy	cbcy	bcyc,r_oc	c,r$r_o$$r_o$c
Birr Castle	cpr_o	cpr	cprbc	bc
Valentia Obsy.†	bccbc	bcvybc	bcbbccpr	cprc
Roches Point	ffprc	cbc	bc	cid

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,-Ci: Cirrocumulus,-Cc: Cirrostratus,-Cs: Altocumulus,-Ac: Altostratus,-As: Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

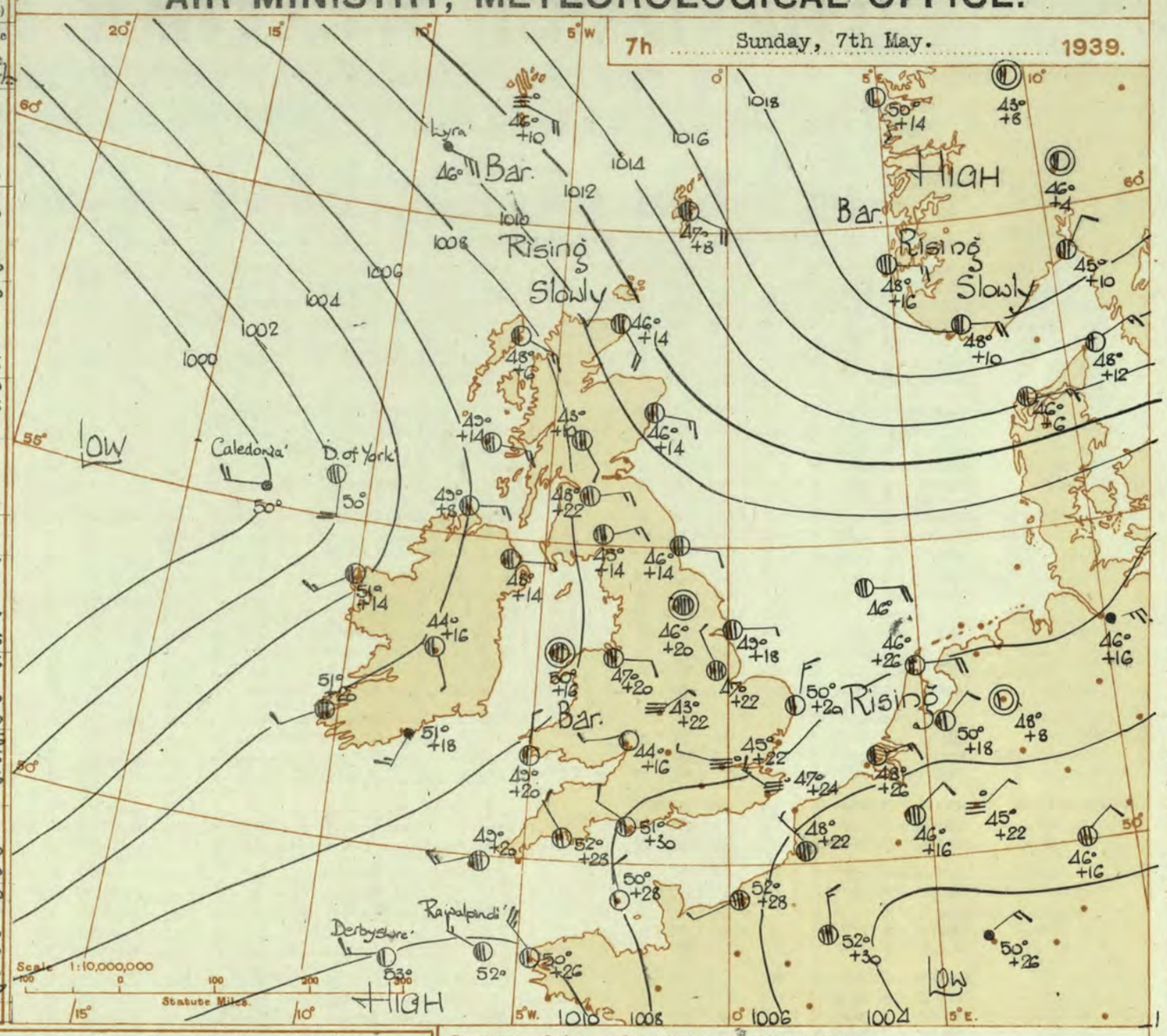
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 6th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 5th to 9h. 6th.	Temperature. (°F) Max. 9h.—17h. 6th.	Rainfall. (mm.) Night. 17h. 5th to 9h. 6th.	Rainfall. (mm.) Day. 9h.—17h. 6th.	Sunshine. (Hrs.) Sunrise to 17h. 6th.	Sunshine. (Hrs.) Sunrise to Sunset. 5th.
1	Tunbridge W.	cbc	bccpc	38	62	-	Trace	7.0	3.0
	Bournemouth	b	b	43	60	-	-	10.1	5.7
	Ventnor ...	obob	bz	45	58	-	-	9.0	4.6
	Southsea ...	b	b	45	58	-	-	9.4	4.7
	Bognor Regis	bc	b	45	57	-	-	8.7	4.0
	Littlehampton	bc	bc	44	56	-	-	10.1	4.2
	Worthing ...	b	b	45	55	-	-	9.6	4.0
	Brighton ...	bc	bc	44	56	-	-	9.8	3.1
	Eastbourne† ...	bcb	bbc	43	55	-	-	9.8	4.4
	Hastings† ...	cbc	bbc	45	59	-	-	6.7	6.0
	Folkestone ...	cbc	cbcc	43	58	-	-	6.1	4.8
	Dover ...	acpbc	bcc	44	59	-	Trace	4.5	5.5
	Deal	bcor	bcc	44	57	-	Trace	3.8	7.1
	Ramsgate ...	c	p.c	44	53	-	Trace	3.5	7.4
	Margate ...	bcc	bcc	44	54	Trace	-	4.0	7.6
2	Southend ...	c	cbbc	44	60	-	-	5.1	7.0
	Clacton-on-Sea	bccz	cbcz	44	54	1	-	4.5	7.6
	Dovercourt ...	bcc	bcm	42	59	Trace	-	5.2	7.3
	Lowestoft ...	cbcb	bbc	42	57	0.6	-	6.7	6.1
	Skegness ...	cbbzb	bcgb	44	54	0.5	-	7.1	3.0
	Mablethorpe...	ombcc	bcbbc	43	52	1	-	2.3	4.5
	Cleethorpes ...	cbccm	cbc	43	54	1	-	2.4	2.9
3	Leamington S.	bc	bc	38	62	-	-	6.7	2.0
4	Cheltenham†	bcbbc	bcc	41	62	Trace	-	6.8	2.9
5	Bath	bbc	bccp	46	61	Trace	0.5	5.5	1.7
	Weymouth ...	cb	b	48	57	-	-	9.8	8.3
	Jersey ...	c	cbc	48	62	-	-	2.7	7.1
	Torquay ...	cbc	cbcb	47	54	-	-	5.3	11.7
	Falmouth ...	orrgc	c	48	55	9	1	1.7	10.5
	Penzance ...	rr	c	47	54	5	3	0.5	11.6
	St. Ives ...								
	Bude... ...	c	cpc	47	56	4	1	0.0	8.3
	Ilfracombe ...	rocbc	cbc	46	58	0.4	-	3.5	7.3
6	Aberystwyth	r.bcc	bcc	42	60	Trace	-	5.7	9.6
7	Llandudno ...	bc	bc	40	56	-	-	8.5	2.6
	Colwyn Bay...	bcb	bccbc	39	56	-	-	9.7	3.8
	Rhyl	bbc	bc	38	58	0.3	-	9.0	1.1
8	Wallasey ...	bcb	bbcb	42	61	3	-	7.7	0.1
	Southport ...	Fbzbc	bczou	39	62	2	-	7.8	0.0
	Blackpool ...	cmcm.	bmcm.	39	59	Trace	-	8.2	0.0
	Morecambe ...	bcb	bcc	41	58	Trace	-	7.4	0.0
9	Ilkley... ...	focb	bc	41	61	1	-	4.6	0.0
	Harrogate ...	cb	bbc	42	59	1	-	5.3	0.0
10	Berwick-on-T.	om	m.o	45	55	2	-	0.0	3.8
11	Dunbar ...	cr.m.	cr.m.	45	49	3	Trace	1.3	2.9
12	Troon... ...	bcbbc	bcbbc	42	56	-	-	11.0	2.9
	Douglas ...	b	b	43	58	-	-	9.7	6.7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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 May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light variable winds; mainly fair but chance of local thundery showers; fog in early morning in many places; temperature about average.
10 N.E. England 11 S.E. Scotland	Light to moderate easterly winds; cloudy, occasional rain; coastal fog; rather cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Light to moderate southeasterly winds; occasional rain or showers with chance of local thunder; bright intervals; average temperature.
15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	As 12 - 14.

GENERAL INFERENCE.

Pressure is relatively high to the northeast and southwest of the British Isles. There will be occasional rain or showers in Scotland and Ireland but weather will be mainly fair elsewhere apart from a chance of local thundery showers; it will be rather cold in the North but temperatures will be about average in the South.

FURTHER OUTLOOK.

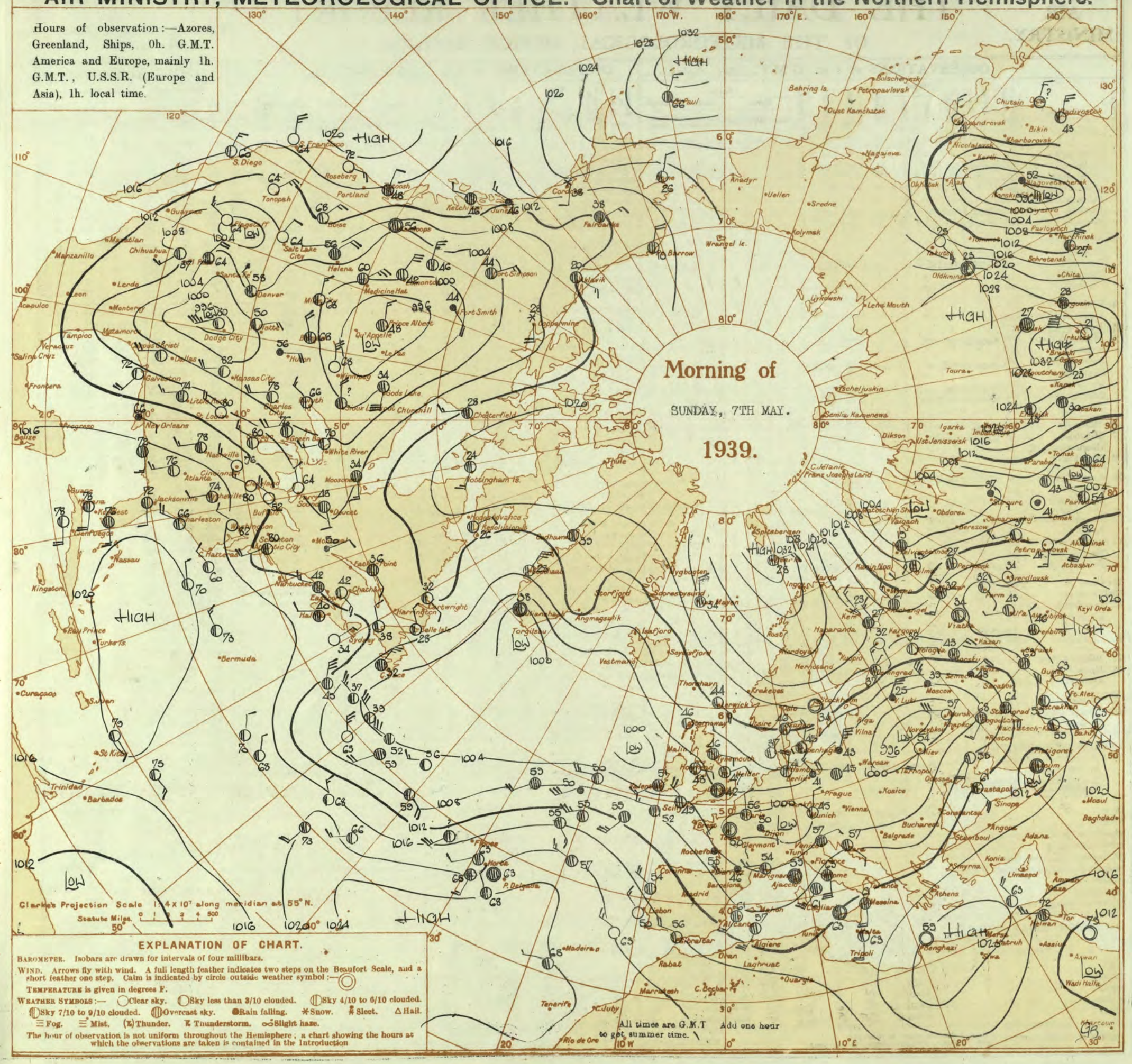
Mainly fair in the South; unsettled in the North.

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 7th May, 1939.
No. 28290.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1004·3	+10	-	0	z_0	42	92	6	-	-	6	0	4·6	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1004·4	+10	N	3	z_0	46	92	6	-	-	-	0	0	-
	Manston	154	1004·0	+10	N'W	3	m	44	97	4	-	-	8	0	4·6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1004·8	+10	NE'E	2	bc	49	85	7	-	3	-	0	4·6	-
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1004·6	+16	NE	2	c	49	92	8	8	2	-	7·8	10	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1004·0	+18	N	2	bc	48	92	8	5	-	-	2·3	2·3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1004·9	+24	NW	2	bc	44	97	8	8	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	1005·6	+20	NW'N	3	c	49	92	8	5	3	-	4·6	7·8	2500
	Guernsey	175	*	+8	S	1	bc	46	97	7	-	1	8	0	4·6	-
6	Pembroke	142	1004·9	+12	SW	2	c/r	49	92	7	8	2	-	7·8	9+	1500
7	Holyhead	26	1003·5	+10	SE'E	1	c	48	85	6	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1005·8	+16	E'N	2	c	47	97	7	5	-	-	7·8	7·8	4000
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1007·2	+10	SE	2	o	46	97	7	5	-	-	10	10	1500
11	St. Abbs Head	280	1007·6	+12	SSE	4	o	44	97	5	5	-	-	10	10	800
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1004·5	+10	E'S	1	c	49	92	7	5	2	-	4·6	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1005·6	+10	E	1	bc	46	85	7	5	-	-	4·6	4·6	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008·1	+6	SSE	4	c	45	97	6	5	2	-	7·8	10	800
16	Lerwick	156	1012·6	+14	SE'S	5	bc	44	85	8	5	7	-	4·6	4·6	1500
17	Blacksod Point	18	1001·8	+10	S	3	bc	50	85	8	2	-	-	4·6	4·6	4000
18	Malin Head	84	1003·9	+6	S	2	c/pr	49	85	7	8	1	-	4·6	7·8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1002·9	+6	SW	3	c	51	97	7	8	-	-	7·8	7·8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility (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)	1008·4	+28	-	0	m	43	97	4	-	-	-	0	0	-	1	*
	Croydon	1008·4	+22	WNW	1	m	45	92	4	-	4	2	0	2·3	-	1	*
	S. Farnborough	1008·4	+26	-	0	bf-	41	97	2	-	-	-	0	0	-	1	*
	Boscombe Down	1008·5	+20	-	0	z_0	42	97	5	-	-	5	0	2·3	-	1	*
	Calshot (Sthmtn.)	1007·7	+22	NW	2	z_0	49	85	6	-	-	1	0	2·3	-	1	*
	Lympne	1007·6	+24	N'W	3	m/f	47	97	4	-	-	1	0	Tr	-	0	§ 1
	Manston	1007·6	+26	NNW	2	z_0	48	97	5	5	-	-	7·8	7·8	450	1	*
2	Shoeburyness	1007·6	+24	NNW	2	of+	46	97	2	5	-	-	10	10	220	1	*
	Felixstowe	1007·7	+24	NE	2	z_0	50	85	6	-	4	1	0	Tr	-	0	1
	Gorleston	1008·2	+20	NE'N	3	bc	50	85	6	-	3	1	0	2·3	-	0	2
	Mildenhall	1008·7	+30	WNW	1	f-	42	97	2	-	-	-	10	10	<150	1	*
	Cranwell	1009·0	+22	NNW	1	z_0	47	97	6	5	-	-	10	10	800	0	*
3	Birmingham	1009·7	+22	NE	1	f	43	97	2	-	-	-	10	10	<150	1	*
	Upper Heyford	1009·3	+28	NNE	2	f-	42	97	1	-	-	-	10	10	<150	1	*
4	Ross-on-Wye	1008·9	+16	W'S	1	bfg	44	92	5	5	-	1	Tr	Tr	4000	1	*
5	Hartland Point	1008·7	+26	WSW	2	c	49	92	8	8	7	-	4·6	7·8	1500	1	2
	Bristol	1008·8	+24	-	0	bcf-	45	97	3	4	-	1	2·3	2·3	4000	1	*
	Portland Bill	1007·3	+30	NW	2	bc	51	85	8	5	-	-	2·3	2·3	2500	1	2
	Plymouth	1009·5	+28	NNW	2	bc	52	75	8	7	3	-	2·3	2·3	1500	1	1
	The Lizard	1009·2	+26	W'N	2	bc	49	92	8	8	7	-	4·6	4·6	2500	1	1
	Scilly (St. Mary's)	1009·4	+20	W'S	3	c	49	97	8	5	4	4	Tr	7·8	2500	0	2
	Guernsey	1008·4	+28	N'W	2	b	50	92	8	-	4	8	0	1	-	0	2
6	Pembroke	1008·5	+20	N	1	bc	49	92	7	5	7	-	4·6	4·6	2500	1	1
7	Holyhead	1007·4	+16	-	0	c	50	85	7	5	-	-	9	9	5700	0	0
	Chester (Sealand)	1008·6	+20	ESE	2	z_0	47	85	5	5	3	-	4·6	7·8	4000	1	*
8	Manchester	1008·7	+18	NE'E	3	z_0	48	85	5	-	-	1	0	Tr	-	1	*
10	Spurn Head	1009·2	+18	E'S	1	c	49	92	6	5	-	-	9+	9+	4000	0	1
	Catterick	1009·8	+20	-	0	z_0	46	92	6	5	-	-	10	10	800	1	*
	Tynemouth	1009·8	+14	ESE	2	c	46	92	7	5	-	-	7·8	7·8	1500	1	2
11	St. Abbs Head	1010·1	+16	ESE	2	ir_0	45	97	7	3	2	-	7·8	10	1500	1	3
	Leuchars	1010·2	+18	E	2	c	46	92	7	5	2	-	9	10	1500	1	*
12	Renfrew (Abbots I.)	1009·4	+22	E	3	z_0	48	85	6	5	-	-	9+	9+	1500	1	*
	Eskdalemuir	1009·4	+14	ENE	3	c	45	92	6	5	-	-	10	10	800	1	*
	Point of Ayre	1007·9	+20	S'W	3	c	48	92	6	8	1	-	4·6	10	2500	0	2
13A	Tiree	1006·4	+14	SE'E	3	c	49	85	7	5	-	-	9+	9+	2500	0	2
13B	Stornoway	1007·6	+6	SE	3	bc	48	85	7	1	-	3	1	4·6	4000	0	2
15	Dalwhinnie	*	+10	SSE	2	c	43	92	7	6	2	-	4·6	10	2500	0	*
	Aberdeen	1011·8	+14	SE'E	3	c	46	85	6	5	7	8	Tr	9+	450	1	2
	Wick	1010·9	+14	SSE	4	c	46	92	7	5	1	-	4·6	10	1500	1	2
16	Lerwick	1014·6	+8	SE	4	c	47	75	8	5	3	-	4·6	7·8	1500	0	*
17	Blacksod Point	1003·8	+14	SW	3	bc	51	92	8	3	-	-	4·6	4·6	1500	1	2
18	Malin Head	1006·1	+8	E'S	3	c	49	85	8	5	4	2	2·3	7·8	5700	0	1
	Aldergrove	1006·8	+14	E'S	1	c/r	48	92	8	5	3	1	2·3	7·8	1500	1	*
19	Birr Castle	1006·6	+16	SSE	1	bc	44	97	7	5	-	-	2·3	2·3	2500	1	*
20	Valentia Obsy. †	1007·3	+20	SW	2	c/pr	51	92	8	5	3	8	7·8	9+	1500	1	3
	Roches Point	1007·6	+18	SSW	3	id	51	97	8	5	-	5	4·6	9	800	1	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 6th Hrs. (36)
1	London (Kew)	59	38	33	0·5	0·1	2·6
	Croydon	63	38	31	0·1	-	4·4
	S. Farnborough	59	38	37	10	0·2	4·0
	Boscombe Down	57	35	34	3	Tr	6·0
	Calshot (Sthmtn.)	55	42	39	-	-	11·7
	Lympne	58	43	37	-	Tr	6·6
	Manston	57	41	35	Tr	Tr	4·1
2	Shoeburyness	52	40	32	-	-	6·0
	Felixstowe	56	42	37	-	-	5·7
	Gorleston	54	47	45	-	-	6·3
	Mildenhall	64	36	34	-	Tr	4·6
	Cranwell	59	42	37	-	Tr	6·5
3	Birmingham	61	42	33	-	-	9·0
	Upper Heyford	60	40	32	3	0·1	*
4	Ross-on-Wye	61	38	30	-	-	4·2
5	Hartland Point	55	48	46	2	2	0·1
	Bristol	60	35	33	Tr	0·2	6·1
	Portland Bill	53	46	*	-	-	*
	Plymouth	55	49	46	0·6	-	1·4
	The Lizard	55	43	*	4	-	1·2
	Scilly (St. Mary's)	54	46	*	0·6	-	4·9
	Guernsey	58	44	41	0·1	-	2·9
6	Pembroke	55	47	*	0·5	0·6	0·0
7	Holyhead	56	47	39	Tr	Tr	7·1
	Chester (Sealand)	64	39	35	-	-	9·6
8	Manchester	64	42	38	8	-	5·7
10	Spurn Head	52	45	*	-	Tr	3·0
	Catterick	62	44	32	-	-	5·6
	Tynemouth	50	45	44	-	Tr	3·2
11	St. Abbs Head	48	43	*	Tr	Tr	*
	Leuchars	49	45	44	Tr	Tr	0·0
12	Renfrew (Abbots I.)	60	46	43	3	Tr	1·9
	Eskdalemuir	58	41	40	Tr	-	6·9
	Point of Ayre	58	43	*	-	-	12·3
13A	Tiree	57	45	43	-	-	9·9
13B	Stornoway	55	44	*	-	-	9·7
15	Dalwhinnie	57	41	40	0·1	-	6·7
	Aberdeen	45	44	42	8	Tr	0·0
	Wick	46	45	*	4	-	*
16	Lerwick	47	43	*	-	-	2·5
17	Blacksod Point	55	48	*	Tr	4	*
18	Malin Head	56	46	*	-	2	10·8
	Aldergrove	59	45	40	Tr	1	9·5
19	Birr Castle	55	40	31	4	Tr	1·5
20	Valentia Obsy. †	58	48	42	-	2	13·0
	Roches Point	55	44	*	0·4	0·2	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	cz_0	cz_0prcmoffbmw		59	38	33	0·5	0·1	2·6	*	*	6
Croydon	217	cm$_0$c⊕	cpr$_0$	bmwbcm	63	38	31	0·1	-	4·4	*	*	4
Greenwich (Royal Observatory)	149	c⊕	bc	c5w	62	39	31	-	Tr	5·1	58	66	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5·4	*	*	*
Westminster (St. James' Park)	27	*	*	*	62	42	35	-	-	4·2	68	71	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	52	40	34	-	-	4·0	55	64	*
Camden Square	110	bc	bc	*	65	42	35	-	-	*	*	63	*
Kensington	80	bcm	c	*	63	41	33?	-	-	4·3	At 18h 57	67	*
Hampstead Observatory	450	bc	bc	b	60	44	35	-	-	5·2	*	71	*

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

South Kensington Max.	Time.	Min.	Time.
0·3	6-8h 7th	<0·3	10-17h 6th.

Kew Observatory Max.	Time.	Min.	Time.
0·6	1h 7th.	<0·1	13h. 6th

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th May — 7h. G.M.T. 7th May

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.	Past 24 Hours Max. Day °F.	Past 24 Hours Min. Night °F.	Past 24 Hours Rainfall Day mm.	Past 24 Hours Rainfall Night mm.
Paris	997·7	NE	2	c	63	1004·5	N	3	z_0	52	64	52	-	0·1
Brussels	999·7	NE	3	c	57	1005·1	NE	2	c	46	*	46	*	-
Berlin	1001·8	N	4	o	48	1006·9	ENE	3	c	45	50	43	5	1
Zürich	1002·8	E	3	bc	55	1003·5	W	2	ir_0	50	64	48	-	Tr
Rome	1008·2	SE	5	bc	61	1009·0	SSW	4	d_0d_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 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	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 8th May, 1939.
No. 28291.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010.2	+10	N	2	zo	62	55	6	8	-	-	4-6	4-6	2500
	Croydon	1009.8	+14	ENE	2	bc	62	65	6	2	-	-	4-6	4-6	4000
	S. Farnborough	1009.9	+8	-	0	zo	64	55	6	2	-	-	7-8	7-8	4000
	Boscombe Down	1010.2	+10	NW	1	c	64	55	8	8	-	1	7-8	7-8	2500
	Calshot (Soton.)	1009.7	+12	SW'S	3	zo	64	55	7	3	3	-	4-6	7-8	2500
	Lympne	1010.0	+6	NE'E	3	zo	56	65	6	1	-	3	2-3	4-6	4000
	Manston	1010.2	+10	NNE	3	bc	55	75	7	1	-	6	Tr	4-6	4000
2	Shoeburyness	1010.8	+12	E'N	2	bc	54	85	7	1	-	8	Tr	2-3	4000
	Felixstowe	1010.7	+14	ESE	3	b	53	75	7	2	-	6	Tr	1	2500
	Gorleston	1011.3	+16	NE'E	2	b	51	85	7	-	-	1	0	Tr	-
	Mildenhall	1010.3	+8	E'S	3	c	61	55	8	8	-	-	9+	9+	2500
	Cranwell	1009.7	+2	E	1	bc	62	65	8	1	-	-	2-3	2-3	4000
3	Birmingham	1010.6	+6	E	1	zo	57	65	5	-	-	-	0	0	-
	Upper Heyford	1011.0	+8	-	0	zo	58	75	6	7	-	-	4-6	4-6	1500
4	Ross-on-Wye	1010.3	+10	S	2	c	59	65	7	8	-	-	9+	9+	4000
5	Hartland Point	1011.9	+14	W	3	c	51	92	8	2	-	8	2-3	7-8	2500
	Bristol	1010.8	+12	WSW	3	c	58	75	8	8	3	-	7-8	9	2500
	Portland Bill	1011.0	+16	W	2	c	55	85	8	5	4	-	4-6	7-8	2500
	Plymouth	1011.7	+12	WSW	3	c	56	65	9	7	-	2	4-6	7-8	2500
	The Lizard	1013.0	+14	SW'W	2	bc	56	85	8	8	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	1012.6	+16	W	3	bc	57	92	8	2	4	1	2-3	2-3	2500
	Guernsey	1012.3	+18	NW'N	4	bc	54	75	8	1	7	8	1	2-3	1500
6	Pembroke	1011.8	+10	WSW	2	bc	53	85	7	2	6	1	2-3	4-6	2500
7	Holyhead	1010.0	+14	SW'S	3	bc	58	65	8	8	-	5	1	2-3	4000
	Chester (Sealand)	1010.2	+6	SW	2	pr	59	65	6	8	-	-	10	10	1500
8	Manchester	1009.6	+4	SSW	3	zo	62	55	6	8	3	-	4-6	7-8	5700
10	Spurn Head	1011.4	+8	ESE	3	bc	52	85	6	-	7	-	0	2-3	-
	Catterick	1010.3	+2	S	2	c	61	65	7	3	-	-	7-8	7-8	2500
	Tynemouth	1011.2	+6	SE	3	bc	50	92	6	2	-	-	2-3	2-3	2500
11	St Abbs Head	1012.1	+6	SE	4	bc	50	85	7	2	4	9	2-3	4-6	2500
	Leuchars	1011.8	+6	ESE	3	c	52	85	7	5	7	-	7-8	9	1800
12	Renfrew (Abbotsl.)	1010.3	+10	E	3	iro	52	85	5	5	-	-	7-8	10	1500
	Eskdalemuir	1008.8	-4	SE	4	c	58	55	7	8	-	1	7-8	7-8	1500
	Point of Ayre	1009.6	+8	SSE	2	c	54	92	6	5	3	-	4-6	7-8	2500
13A	Tiree	1007.7	+6	ESE	4	bc	52	85	7	5	7	-	4-6	4-6	2500
13B	Stornoway	1008.5	+2	SSE	1	c	51	75	7	5	7	-	7-8	10	2500
15	Dalwhinnie	1011.4	+6	-	0	ro	50	75	7	4	2	-	7-8	10	2500
	Aberdeen	1012.9	+6	SE'E	3	c	48	85	6	7	-	-	9	9	1500
	Wick	1011.9	+6	SE	4	bc	49	85	8	5	4	2	2-3	4-6	2500
16	Lerwick	1015.1	0	SE	5	c	50	75	8	5	3	-	4-6	7-8	1500
17	Blacksod Point	1007.2	+20	SSW	4	bc	55	85	8	2	-	3	2-3	4-6	4000
18	Malin Head	1007.1	+6	SW'W	3	c	58	65	8	9	-	4	4-6	7-8	5700
	Aldergrove	1008.0	+6	S'E	2	c	58	55	9	8	-	1	9	9+	2500
19	Birr Castle	1008.2	+8	WSW	1	pr	56	85	7	3	7	-	4-6	9	1500
20	Valentia Obsy.†	1010.5	+18	W'S	4	c	53	75	8	3	3	1	4-6	9	1500
	Roches Point	1010.2	+12	WSW	3	c/pr	55	85	9	3	3	-	4-6	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud Form High. (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1011.9	+16	SE'E	2	zo	60	55	6	8	-	-	7-8	7-8	2500	1	*
	Croydon	1012.0	+22	E	3	bc	59	65	7	-	6	3	0	4-6	-	0	*
	S. Farnborough	1011.6	+14	-	0	zo	62	55	6	8	-	-	9+	9+	4000	1	*
	Boscombe Down	1011.3	+12	NW	3	c	60	65	8	1	-	6	2-3	7-8	2500	0	*
	Calshot (Soton.)	1011.7	+18	SW'S	3	c	59	75	8	8	3	8	7-8	9	1500	1	1
	Lympne	1012.5	+6	NNE	2	b	55	65	7	-	-	1	0	1	-	0	§2
	Manston	1012.6	+12	N'E	1	b	51	75	6	-	-	1	0	1	-	0	*
2	Shoeburyness	1012.7	+12	E'S	2	b	51	85	7	-	-	1	0	Tr	-	0	*
	Felixstowe	1012.9	+14	E'S	3	b	50	75	8	-	4	1	0	Tr	-	0	1
	Gorleston	1012.9	+14	NE'E	2	bc	51	85	6	-	5	-	0	2-3	-	1	2
	Mildenhall	1011.8	+12	E	2	c	60	65	8	8	3	-	4-6	7-8	2500	0	*
	Cranwell	1011.8	+20	E	2	bc	55	75	8	-	3	2	0	4-6	-	0	*
3	Birmingham	1011.8	+8	SW	1	c	60	55	8	8	-	8	2-3	7-8	4000	1	*
	Upper Heyford	1012.1	+8	-	0	pr	60	65	6	8	3	8	7-8	9	2500	1	*
4	Ross-on-Wye	1011.7	+8	W'S	2	c	59	65	8	8	-	6	7-8	7-8	4000	1	*
5	Hartland Point	1013.4	+6	W	3	bc	53	85	8	3	-	4	4-6	4-6	1500	0	2
	Bristol	1012.9	+14	W	3	bc	56	65	8	-	4	8	0	4-6	-	0	*
	Portland Bill	1012.5	+12	W	2	c	52	85	8	1	4	-	4-6	7-8	2500	1	2
	Plymouth	1013.6	+10	W'S	4	c	54	85	8	9	3	8	7-8	9	2500	1	2
	The Lizard	1014.4	+12	WSW	3	bc	54	85	8	8	-	-	2-3	2-3	2500	1	1
	Scilly (St. Mary's)	1014.8	+12	W	3	bc	54	92	8	4	4	4	1	2-3	4000	0	2
	Guernsey	1014.2	+6	W'N	4	bc	52	85	8	-	7	8	0	4-6	-	0	3
6	Pembroke	1013.3	+4	W'S	2	bc	51	92	7	8	7	-	2-3	4-6	1500	1	1
7	Holyhead	1011.5	+8	SSW	4	c	52	85	9	1	-	2	Tr	7-8	4000	0	1
	Chester (Sealand)	1012.3	+14	NW'N	2	c	54	75	8	4	-	-	9+	9+	2500	1	*
8	Manchester	1011.8	+18	NNE	1	pr	54	75	6	9	3	-	7-8	9+	4000	1	*
10	Spurn Head	1012.9	+8	SE'E	4	bc	48	85	6	-	7	-	0	2-3	-	0	2
	Catterick	1012.1	+14	SE	1	S/tlR	52	85	7	9	-	-	10	10	1500	1	*
	Tynemouth	1013.4	+20	SW	1	c	47	85	6	8	-	-	9+	9+	1500	0	1
11	St Abbs Head	1011.8	0	SSE	5	c	45	92	7	8	2	-	7-8	9+	1500	0	3
	Leuchars	1012.3	+6	E	3	c/r	47	97	6	5	2	-	9	10	800	1	*
12	Renfrew (Abbotsl.)	1011.0	+6	ENE	2	zo	54	85	6	8	3	1	4-6	7-8	4000	1	*
	Eskdalemuir	1010.6	+8	S'E	3	c	56	65	7	5	-	-	10	10	1500	1	*
	Point of Ayre	1011.3	+12	S	1	c	55	75	8	-	4	7	0	9+	-	0	1
13A	Tiree	1008.6	+6	SSE	3	bc	50	92	7	5	3	-	4-6	4-6	1500	1	3
13B	Stornoway	1009.6	0	-	0	c	50	85	6	5	7	-	7-8	10	2500	1	0
15	Dalwhinnie	1012.2	+6	S	4	c	47	85	7	4	7	-	7-8	10	2500	0	*
	Aberdeen	1014.1	+8	SE'S	2	c	47	85	6	5	-	-	9+	9+	800	1	1
	Wick	1012.2	+4	SE'S	5	c	46	85	7	5	1	8	4-6	9	2500	1	3
16	Lerwick	1015.6	+2	SE	5	c	46	85	8	5	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1009.4	+10	SW	3	c	53	85	8	5	-	-	10	10	1500	0	3
18	Malin Head	1009.5	+8	W'S	1	pr	52	85	8	5	-	4	4-6	7-8	5700	0	1
	Aldergrove	1009.5	+12	SSE	2	c	53	75	9	5	3	-	9	9+	2500	1	*
19	Birr Castle	1010.1	+10	WSW	2	c/pr	57	65	7	3	3	-	2-3	7-8	1500	1	*
20	Valentia Obsy.†	1011.9	+6	SW'S	4	c	54	75	8	5	-	-	9+	9+	2500	1	2
	Roches Point	1012.0	+12	WSW	3	bc	57	75	8	2	4	-	2-3	2-3	2500	1	3

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 7th. (37)	13h.—18h. 7th. (38)	18h. 7th to 1h. 8th. (39)	1h.—7h. 8th. (40)
1	London (Kew)	bmw/bcz	bczoy	cbzow	bmow
	Croydon	bfbczoy	bczo	bczomow	bcwmo
	S. Farnborough	bfbczoy	bcczoy	cybcb	wbmob
	Boscombe Down	bwbccy	cyc	c,b	bmobcmw
	Calshot (Soton.)	bbcmy	bcmyc	c,b	bbmow
	Lympne	bcmozo	bczobcb	bbmow	bbcwb
	Manston	cbcmo	bcmo	bmow	bcmwbmo
2	Shoeburyness	offbc	bcb	bw	bmow
	Felixstowe	bmob	b	bbw	bwbmo
	Gorleston	bcb	bbc	bbcw	bcwzom
	Mildenhall	ffebcmoc	cybcybc	bcbmow	bmo
	Cranwell	cmobc	bcybc	bcbmo	bmo
3	Birmingham	fbz	bbcz	bc	bcbm
	Upper Heyford	oFcmo	bccpro	czob	bw
4	Ross-on-Wye	bmobczc	cbcy	cbcb	bwbcc
5	Hartland Point	c	cbc	bcebc	bccbc
	Bristol	bcfebczc	cbc	bcb	bbcwc
	Portland Bill	bcc	c	*	*
	Plymouth	bccbc	c	ebc	bcwcmo
	The Lizard	bc	bc	bcw	bcprc
	Scilly (St. Mary's)	cbc	bc	bbccw	codfdf
	Guernsey	bccbc	bccbc	bcw	bcdc
6	Pembroke	bc	bc	bcw	bccwf
7	Holyhead	b,bc	c,bc	bcc	c
	Chester (Sealand)	bcmprotRl	cprmotpro	cbcmo	bcmwc
8	Manchester	bmobczo	bcprtlrpro	cmbcmo	bmocff
10	Spurn Head	cbc	bc	bccw	cw
	Catterick	omcmoc	tlRtlc	promf	Ffw
	Tynemouth	cbc	bcc	corrbc	bcff
11	St Abbs Head	bc	c	cbcmo	cffe
	Leuchars	circ	irroircm	cmoiroCm	cmffff
12	Renfrew (Abbotsl.)	cmoiro	cirorrt	bcqprm	cmopro
	Eskdalemuir	ewct	ctcprc	cmo	cmocw
	Point of Ayre	cproc	c	prbc	cw
13A	Tiree	odgc	ciRt	bccw	cw
13B	Stornoway	bccpr	cir	crr	c
15	Dalwhinnie	c	ciro	•	cbc
	Aberdeen	cbcczo	cproc	czo	cmdo
	Wick	cbc	bcc	c	cproc
16	Lerwick	c	c	c	c
17	Blacksod Point	bc	bc	c	c
18	Malin Head	cbcc	cbcprc	cbcc	cproc
	Aldergrove	cbcc,y	cycroRc	cbc	bab,c
19	Birr Castle	bccpro	cpro	cprobc	bccproc
20	Valentia Obsy.†	c	cprodcc	rororo	rorocmo
	Roches Point	idprc	cbc	bc	codolf

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf. fog at a distance, but not at station.
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). gale.
Solar halo. Lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,-Ci: Cirrocumulus,-Cc: Cirrostratus,-Cs: Altocumulus,-Ac: Altostratus,-As: Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

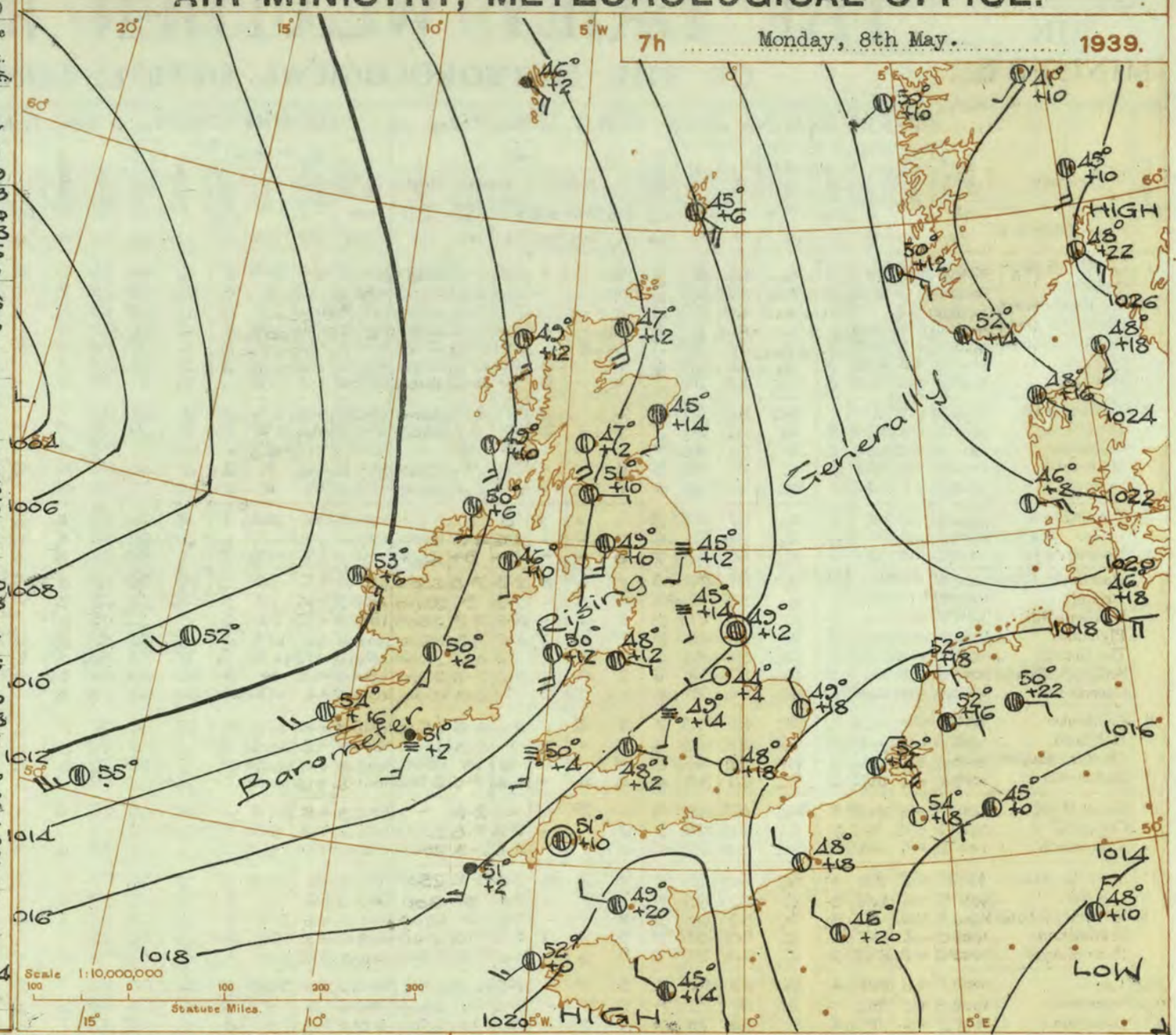
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 7th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 6th. to 9h. 7th.	Temperature. (°F) Max. 9h.—17h. 7th.	Rainfall. (mm.) Night. 17h. 6th. to 9h. 7th.	Rainfall. (mm.) Day. 9h.—17h. 7th.	Sunshine. (Hr.) Sunrise to 17h. 7th.	Sunshine. (Hr.) Sunrise to Sunset. 6th.
1	Tunbridge W.	b	bbcrc	35	64	-	Trace	10·0	7·2
	Bournemouth	bbc	b	41	66	-	-	9·0	12·1
	Ventnor ...	bc	bzb	46	64	-	-	11·2	10·7
	Southsea ...	b	b	45	67	-	-	11·3	11·5
	Bognor Regis	bbc	bcb	45	61	-	-	9·9	10·9
	Littlehampton	bc	bc	44	62	-	-	10·7	12·3
	Worthing ...	b	bcbbc	45	64	-	-	9·6	11·0
	Brighton ...	bc	bc	45	63	-	-	8·6	11·8
	Eastbourne† ...	b	bcc	46	64	-	-	9·7	10·6
	Hastings† ...	bc	bcobc	44	63	-	-	9·7	7·3
	Folkestone ...	m.bc	bcb	45	60	-	-	10·1	6·1
	Dover ...	bc	bc	45	59	-	-	7·9	4·5
	Deal	bc	bc	42	57	-	-	10·2	3·8
	Ramsgate ...	bc	bc	45	55	-	-	10·0	3·5
	Margate ...	bc	bc	46	54	-	-	11·1	4·0
2	Southend ...	bc	b	44	59	Trace	-	9·4	5·3
	Clacton-on-Sea	bcz	bc	43	54	-	-	10·7	4·5
	Dovercourt ...	bbc	bcv	42	56	-	-	11·5	5·2
	Lowestoft ...	b	b	45	54	-	-	10·7	7·0
	Skegness ...	cb	bcb	44	53	-	-	8·6	8·5
	Mablethorpe...	bcb	bcb	44	52	-	-	7·9	3·6
	Cleethorpes ...	wbcb	b	46	54	-	-	8·3	3·6
3	Leamington S.	cbc	bbc	42	64	-	-	6·0	7·2
4	Cheltenham†	wbcz	cbco	40	*	Trace	-	6·5	6·8
5	Bath	bbcc	cbcb	32	63	-	-	8·2	5·5
	Weymouth ...	bbc	b	41	62	-	-	10·6	12·0
	Jersey ...	bcb	bc	48	59	-	-	12·0	3·8
	Torquay ...	b	bbcv	50	61	-	-	8·6	7·2
	Falmouth ...	b	b	45	60	-	-	8·4	1·7
	Penzance ...	bbcb	bcb	45	61	-	-	10·8	0·5
	St. Ives ...								
	Bude... ...	bc	bcc	48	56	0·3	-	9·1	0·0
	Ilfracombe ...	cbc	bcbbc	47	62	-	-	6·9	4·8
6	Aberystwyth	cbcc	bc	47	56	0·3	-	6·1	6·6
7	Llandudno ...	p.cbc	p.cbc	45	57	-	Trace	5·3	9·1
	Colwyn Bay...	bcc	bcb	43	56	-	-	5·6	10·7
	Rhyl	cRt	cbc	42	59	-	8	4·7	9·2
8	Wallasey ...	bcc	n.tbc	46	59	Trace	Trace	6·1	8·4
	Southport ...	bczcz	cbcc	42	64	1	-	7·8	7·8
	Blackpool ...	bm.c	cpbc	44	62	Trace	Trace	7·9	8·2
	Morecambe ...	bcp	ctbc	46	62	-	Trace	7·9	7·4
9	Ilkley... ...	ocb	bcotr	41	61	0·5	1	3·7	4·6
	Harrogate ...	cbc	bccr.	44	62	-	0·1	3·3	6·1
10	Berwick-on-T.	bc	bcco	44	51	-	-	6·3	0·0
11	Dunbar ...	cm.	cpr	44	53	-	1	4·9	1·3
12	Troon... ...	ddoro	cbc	46	57	0·3	5	2·8	12·4
	Douglas ...	cfw	bcpr	46	58	-	0·5	5·1	11·1

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate south wind; fair; rather warm.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate south wind; fair at first, cloudy later with local rain and coast fog; rather warm inland.
10 N.E. England 11 S.E. Scotland	Light to moderate southeast wind; mainly fair but dull locally on coast with fog; rather warm inland.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Light to moderate south wind; fair at first, cloudy later with local rain; rather warm inland.
15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Light to moderate south to southwest wind; cloudy; occasional drizzle; local coast fog; rather warm inland.

L.D.

H.M.S.O. Press, Cornwall House S.E.1

GENERAL INFERENCE.

A ridge of high pressure over South England is increasing in intensity and a feeble trough of low pressure off our Southwest coasts is moving slowly northeast. Weather will be fair in the East but there will be some light rain in the West.

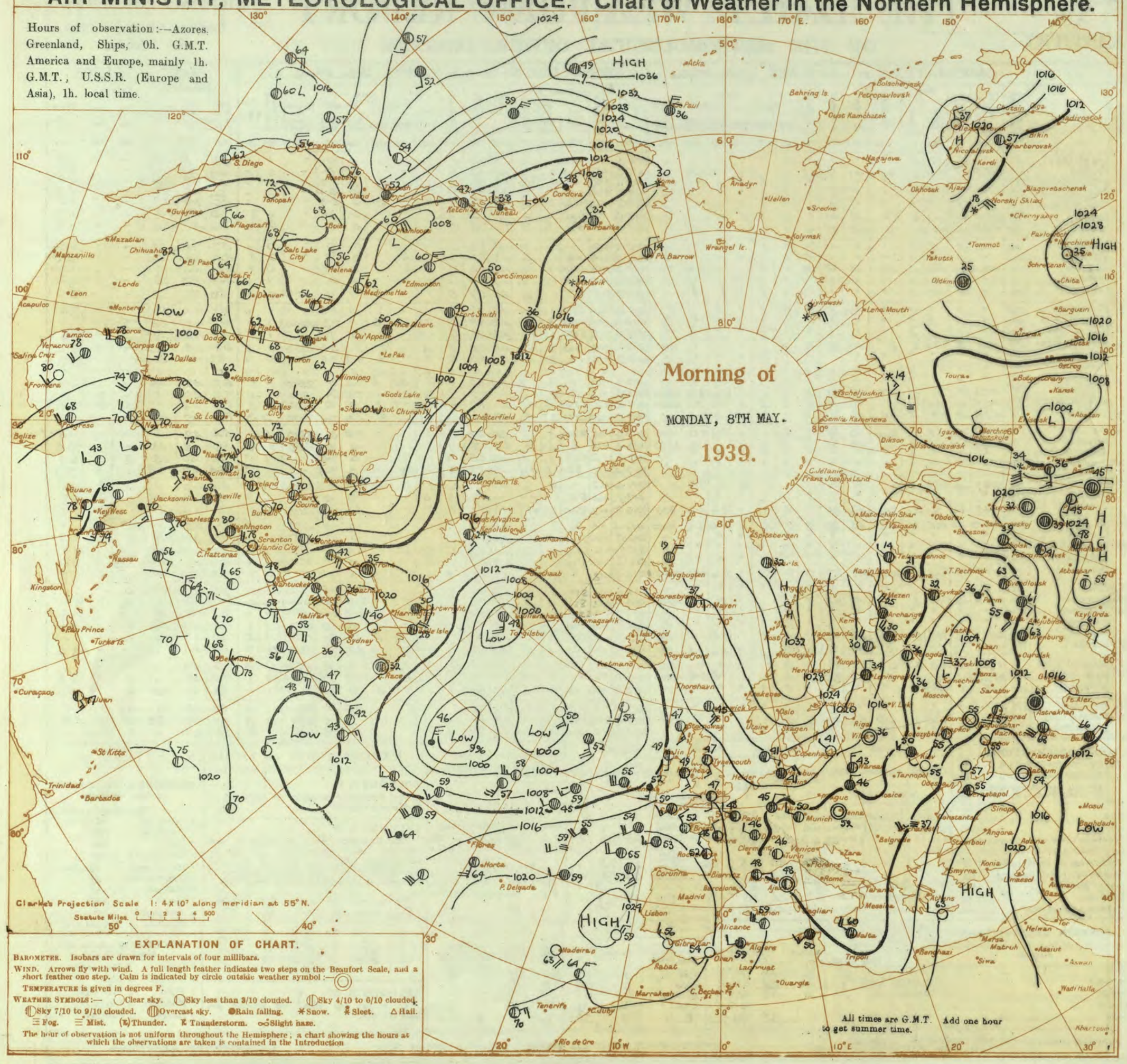
FURTHER OUTLOOK.

Little change.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON DSc., A.R.C.S.,
Director.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 8th May, 1939.
No. 28291.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·9	+10	SSW	2	bc	47	85	7	-	-	2	0	2-3	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·0	+10	N	2	b	45	85	7	-	-	8	0	1	-
	Manston ...	154	1016·9	+2·2	NW'W	1	b	43	97	6	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·3	+10	NW'N	1	bc	45	85	6	-	4	-	0	2-3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1016·4	+8	WSW	3	b	49	97	8	3	-	-	1	1	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1017·5	+8	-	0	bc	47	97	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1017·0	+4	SW'W	3	c	50	97	8	5	3	-	7-8	9	2600
	Guernsey ...	175	1017·3	+8	W'N	3	bc	49	97	7	-	4	8	0	2-3	-
6	Pembroke ...	142	1016·2	+6	W'S	3	bc/p	49	97	7	5	4	-	2-3	2-3	1500
7	Holyhead ...	26	1014·3	+4	S'E	3	c	49	92	8	5	2	-	1	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·7	+8	SE'E	3	c	47	92	7	-	4	8	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1014·7	+6	S	3	bc	47	92	7	3	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1013·9	+4	SSE	3	bc	44	97	6	8	4	-	4-6	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013·8	+10	S'W	2	bc	48	97	8	8	-	-	4-6	4-6	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1012·3	+8	SSE	3	c	47	92	7	5	-	-	9	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1013·7	+6	SSE	5	c	45	92	7	5	7	-	7-8	9	1500
16	Lerwick ...	156	1017·4	+2	SE	5	c	45	85	8	5	7	-	4-6	7-8	1500
17	Blacksod Point	18	1011·0	+6	SW	3	c	52	85	7	5	-	-	10	10	1500
18	Malin Head ...	84	1012·6	+10	S	1	c	49	92	7	4	-	-	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012·4	0	S'W	3	DD	52	97	2	5	-	-	10	10	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	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)
London (Kew)	1018·3	+18	W	1	2	48	92	5	-	-	-	0	0	-	1	*
Croydon ...	1018·2	+18	WNW	2	b	48	92	6	-	-	-	0	0	-	0	*
S. Farnborough	1018·5	+18	W	2	bc	47	92	7	-	-	5	0	2-3	-	1	*
Boscombe Down	1018·8	+14	-	0	2	47	97	6	-	-	8	0	4-6	-	1	*
Calshot (Sthmtn.)	1018·2	+10	NW'W	2	2	49	85	6	-	-	5	0	2-3	-	1	1
Lympne ...	1017·6	+10	NNW	1	b	50	85	8	-	-	-	0	0	-	0	§ 1
Manston ...	1018·0	+12	N'E	1	b	50	92	6	-	-	-	0	0	-	0	*
Shoeburyness...	1017·9	+18	-	0	b	49	92	6	-	-	-	0	0	-	0	*
Felixstowe ...	1017·8	+16	NE	1	2	49	85	5	-	4	-	0	Tr	-	0	1
Gorleston ...	1018·6	+18	NW'N	1	bc	49	85	5	-	4	-	0	2-3	-	0	1
Mildenhall ...	1017·6	+14	SE'E	1	2	47	85	6	-	-	-	0	0	-	1	*
Cranwell ...	1017·5	+4	W'S	1	2	44	97	5	-	-	-	0	0	-	0	*
Birmingham ...	1018·4	+14	SSW	1	m	49	75	4	-	-	1	0	2-3	-	1	*
Upper Heyford	1018·3	+14	WNW	3	bc	49	85	8	7	4	5	1	2-3	4000	1	*
Ross-on-Wye	1018·2	+12	ESE	1	fg	48	85	6	-	-	2	0	7-8	-	1	*
Hartland Point	1018·1	+10	SW	3	bc	49	92	7	4	-	2	2-3	4-6	1500	0	2
Bristol ...	1018·7	+12	W	2	c	51	85	8	5	-	8	2-3	7-8	1500	0	*
Portland Bill ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth ...	1019·1	+10	-	0	2	51	85	6	5	4	5	7-8	9	2500	1	1
The Lizard ...	1018·4	+12	S	2	c	51	97	7	8	2	-	7-8	9+	1500	1	1
Scilly (St. Mary's)	1017·4	+2	SSW	4	df	51	97	4	-	-	-	10	10	450	1	2
Guernsey ...	1020·7	+20	W'N	2	c	49	92	6	8	-	8	4-6	7-8	800	0	3
Pembroke ...	1017·6	+4	SSW	3	cf	50	97	4	5	1	-	7-8	9+	1500	1	1
Holyhead ...	1016·4	+12	S	4	2	50	92	7	5	-	-	10	10	450	0	2
Chester (Sealand)	1017·5	+12	ESE	1	2	48	85	6	-	7	-	0	7-8	-	1	*
Manchester ...	1017·4	+12	SE	1	mf	47	92	4	-	3	-	0	7-8	-	1	*
Spurn Head ...	1017·6	+12	-	0	c	49	92	6	5	8	-	4-6	7-8	2500	1	0
Catterick ...	1017·7	+14	S'E	1	f	45	97	3	5	-	-	10	10	450	1	*
Tynemouth ...	1016·5	+12	SSW	2	bcf	45	97	2	5	-	-	4-6	4-6	1500	1	1
St. Abbs Head	1016·4	+4	S	3	f	42	92	3	-	-	-	10	10	450	1	*
Leuchars ...	1016·5	+14	-	0	f	44	97	2	-	-	-	10	10	450	1	*
Renfrew (Abbots I.)	1015·7	+10	SE'E	1	2	51	85	5	5	3	-	4-6	7-8	4000	1	*
Eskdalemuir ...	1016·4	+10	S'W	3	c	49	85	7	5	-	-	10	10	800	1	*
Point of Ayre...	1016·0	+12	S	2	c	50	97	5	-	3	-	0	7-8	-	1	1
Tiree ...	1013·5	+10	SSE	3	c	49	97	7	5	-	-	7-8	7-8	1500	0	2
Stornoway ...	1014·2	+12	SSE	3	c	49	92	8	5	7	-	2-3	9+	1500	1	2
Dalwhinnie ...	1015·5	+12	SSE	4	bc	47	85	7	4	6	-	2-3	4-6	2500	0	*
Aberdeen ...	1016·9	+14	S'E	2	md	45	97	4	5	-	-	10	10	800	1	1
Wick ...	1015·3	+12	SSE	4	c	47	92	7	5	7	2	4-6	9+	1500	1	2
Lerwick ...	1018·1	+6	SE	4	c	45	85	8	5	7	-	4-6	7-8	1500	0	*
Blacksod Point	1011·1	+6	SE	3	c	53	85	8	5	-	-	10	10	2500	0	3
Malin Head ...	1014·0	+6	S	2	c	50	85	8	6	4	-	7-8	7-8	5700	0	1
Aldergrove ...	1014·8	+10	S'E	1	c	46	92	7	-	7	3	0	9+	-	1	*
Birr Castle ...	1013·3	+2	S'W	1	c	50	92	7	5	7	-	4-6	9	2500	1	*
Valentia Obsy. †	1013·8	+16	SW	3	2	54	97	6	5	-	-	10	10	450	1	3
Roches Point	1014·5	+2	SSW	3	df	51	97	3	5	-	-	10	10	450	1	3

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 7th Hrs. (36)
London (Kew)	65	44	38	-	-	9·9
Croydon ...	64	42	36	-	-	9·4
S. Farnborough	64	40	34	-	-	6·0
Boscombe Down	64	42	39	-	Tr	11·2
Calshot (Sthmtn.)	66	39	37	-	-	1·2
Lympne ...	59	43	34	-	-	11·2
Manston ...	56	41	32	-	-	11·6
Shoeburyness...	57	38	33	-	-	10·4
Felixstowe ...	54	42	36	-	-	13·0
Gorleston ...	52	44	40	-	-	12·6
Mildenhall ...	65	37	35	-	Tr	4·9
Cranwell ...	68	37	32	-	-	5·1
Birmingham ...	62	45	39	-	-	5·2
Upper Heyford	63	42	32	Tr	-	*
Ross-on-Wye	63	39	31	-	-	7·6
Hartland Point	53	48	46	-	Tr	8·0
Bristol ...	61	41	34	-	-	9·3
Portland Bill ...	*	*	*	-	*	*
Plymouth ...	57	48	44	-	-	11·0
The Lizard ...	58	47	*	-	Tr	13·7
Scilly (St. Mary's)	57	48	*	-	Tr	13·1
Guernsey ...	55	47	47	-	-	12·8
Pembroke ...	54	48	*	-	-	9·8
Holyhead ...	58	48	45	-	-	10·5
Chester (Sealand)	61	41	35	2	-	6·1
Manchester ...	64	37	34	1	-	8·3
Spurn Head ...	53	46	*	-	Tr	8·5
Catterick ...	63	43	40	6	0·1	3·8
Tynemouth ...	50	44	41	-	3	6·2
St. Abbs Head	50	39	*	Tr	Tr	*
Leuchars ...	52	39	32	2	0·2	1·8
Renfrew (Abbots I.)	55	46	40	2	1	0·7
Eskdalemuir ...	59	41	*	0·3	-	3·9
Point of Ayre...	58	47	*	Tr	Tr	3·2
Tiree ...	53	41	39	3	-	2·2
Stornoway ...	54	46	*	2	3	4·9
Dalwhinnie ...	52	42	37	0·1	-	0·5
Aberdeen ...	50	45	43	Tr	Tr	4·6
Wick ...	49	45	*	-	Tr	*
Lerwick ...	51	44	*	-	-	8·6
Blacksod Point	56	48	*	-	-	*
Malin Head ...	58	45	*	2	Tr	5·5
Aldergrove ...	61	41	35	4	-	5·3
Birr Castle ...	60	43	31	0·4	0·1	*
Valentia Obsy. †	57	52	48	Tr	3	4·2
Roches Point	58	49	*	1	0·6	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	bmwbcz	bczswy	bmw	65	44	33	-	-	9·9	*	*	5
Croydon ...	217	bfbczy	bczmw	pcwm	64	42	36	-	-	9·4	*	*	6
Greenwich (Royal Observatory)...	149	b	bc	cbwbz	63	41	32	-	Tr	9·8	60	70	4
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	9·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	66	44	38	Trace		8·9	41	75	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	66	43	37	-	-	8·8	53	70	*
Camden Square ...	110	b	bc	*	67	44	37	-	-	*	*	69	*
Kensington ...	80	bc	bc	*	67	44	35	-	-	8·2	At 18h 65	67	*
Hampstead Observatory ...	450	b	bc	bc	65	44	40	-	-	10·2	*	75	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	13-21h 7th	0·3	14-15h 7th

Kew Observatory. Max.	Time.	Min.	Time.
0·3	7h 7th	0·1	14-15h 7th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 7th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...	1010·1	-	0	fg	59	1017·5	NW	2	2	46	61	45	0·1	Tr
Brussels ...	1009·2	*	*	c	63	1016·2	NNW	3	b	54	66	46	-	-
Berlin ...	1012·6	E	3	0	52	1019·0	E	5	bc	48	54	43	-	-
Zürich ...						1012·4	NW	1	rr	46		46		11
Rome ...	1009·6	SSE	3	c	57	1011·7	E	1	b	55	*	*	3	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	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, KINGSWAY, LONDON W.C.2

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 9th May, 1939.
No. 28292.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. °F. (6)	°Humid. (7)	Visibility 0–9 (8)	Cloud. Form Low (9)	Cloud. Form Med. (10)	Cloud. Form High (11)	Cloud. Amount Low 0–10 (12)	Cloud. Amount Total 0–10 (13)	Cloud. Height of Base (feet) (14)
1	London (Kew)	1018.8	+2	NNW	2	bc	62	55	7	8	-	6	4-6	4-6	4000
	Croydon	1018.5	+2	W'S	2	c	66	55	7	2	-	6	4-6	9+	4000
	S. Farnborough	1018.8	+2	W	2	c	65	55	8	1	-	1	7-8	7-8	4000
	Boscombe Down	1019.6	+4	NNW	2	c	60	65	8	7	4	-	4-6	7-8	2500
	Calshot (Soton)	1019.5	+2	SW'S	4	bc	61	65	8	2	-	8	2-3	2-3	4000
	Lympne	1019.6	+12	SSE	2	bc	56	65	7	1	-	4	Tr	2-3	4000
	Manston	1020.2	+14	E	2	b	60	55	7	-	-	1	0	1	-
2	Shoeburyness	1019.3	+2	ES	3	bc	57	75	7	-	-	2	0	4-6	-
	Felixstowe	1019.6	+10	S'E	2	b	56	75	8	2	5	-	Tr	1	2500
	Gorleston	1019.7	+6	SE'E	2	b	53	85	6	2	-	-	1	1	2500
	Mildenhall	1018.1	0	SE	1	z	65	55	6	2	-	1	7-8	7-8	4000
	Cranwell	1018.1	-2	SE	1	z	65	55	6	1	-	1	2-3	2-3	4000
3	Birmingham	1018.4	+6	WSW	1	bc	61	45	8	7	-	6	4-6	4-6	4000
	Upper Heyford	1018.9	+2	SSE	2	bc	64	55	8	7	-	8	4-6	4-6	2500
4	Ross-on-Wye	1018.2	0	SW	2	c	63	55	7	1	9	-	2-3	7-8	4000
5	Hartland Point	1018.6	0	SW	3	c	56	85	8	5	-	-	9+	9+	1500
	Bristol	1019.7	+4	WSW	2	bc	61	55	8	1	7	8	2-3	4-6	2500
	Portland Bill	1020.0	+4	WSW	2	bc	53	85	8	1	-	-	2-3	2-3	2500
	Plymouth	1020.4	+6	S	4	rc	52	97	6	-	2	-	10	10	220
	The Lizard	1019.6	+2	S	2	rF	52	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	1019.0	+10	SWW	4	rf	53	97	2	-	-	-	10	10	<150
	Guernsey	1021.1	+6	WSW	2	fs	53	85	5	1	3	-	4-6	7-8	800
6	Pembroke	1018.3	+2	S	3	z	52	92	6	5	-	-	10	10	800
7	Holyhead	1017.9	+6	S'E	4	c	56	75	8	7	7	-	7-8	9+	2500
	Chester (Sealand)	1017.9	+2	SSE	1	c	63	55	8	2	-	-	7-8	7-8	2500
8	Manchester	1018.1	0	WSW	1	bc	62	55	7	2	-	3	2-3	4-6	4000
10	Spurn Head	1019.1	0	ESE	3	bc	53	75	6	-	7	-	0	4-6	-
	Catterick	1017.7	-2	SE'E	1	z	62	65	6	1	3	-	7-8	7-8	4000
	Tynemouth	1018.1	+10	SE	2	c	47	92	5	5	-	-	7-8	7-8	800
11	St. Abbs Head	1017.2	+6	SE	3	if	49	85	4	7	-	-	4-6	4-6	1500
	Leuchars	1017.9	+4	E	2	cf+	49	92	3	5	1	-	7-8	10	220
12	Renfrew (Abbotsl.)	1016.8	+6	SSW	1	c	58	65	9	7	4	-	7-8	7-8	4000
	Eskdalemuir	1017.1	+2	SSW	4	c	57	65	7	7	-	8	7-8	9	2500
	Point of Ayre	1017.8	+8	NE	1	bc	54	92	8	4	-	9	Tr	2-3	2500
13A	Tiree	1014.2	0	SSE	3	id	54	85	7	5	-	-	9	9	1500
13B	Stornoway	1015.4	+4	SE	3	c	52	85	8	8	7	-	7-8	9+	4000
15	Dalwhinnie	1015.9	+8	S	4	c	55	65	8	4	6	-	4-6	9+	2500
	Aberdeen	1018.1	+6	SE'E	2	m	46	92	4	5	-	-	10	10	800
	Wick	1016.7	+6	SSE	3	bc	50	85	6	2	6	-	2-3	4-6	2500
16	Lerwick	1019.0	+6	S'E	4	c/pr	47	85	8	5	7	-	4-6	9	1500
17	Blacksod Point	1014.1	+16	WSW	2	m	54	97	4	-	2	-	10	10	<150
18	Malin Head	1015.3	0	S'W	4	c	59	65	8	8	-	-	7-8	7-8	5700
	Aldergrove	1015.3	+2	SSE	4	c	60	65	8	5	7	-	4-6	9+	2500
19	Birr Castle	1014.4	+6	S	1	c/r	57	92	7	6	2	-	4-6	10	800
20	Valentia Obsy.†	1017.1	+20	W'S	4	z	55	97	6	5	-	-	10	10	450
	Roches Point	1016.4	+14	SW	3	c	58	92	8	8	-	5	4-6	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (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)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018.7	+4	WNW	2	bc	66	45	8	8	-	1	4-6	4-6	4000	0	*
	Croydon	1018.3	-2	W'N	3	bc	65	55	7	8	6	2	2-3	4-6	4000	1	*
	S. Farnborough	1018.9	+4	W'N	3	c	63	55	8	1	8	4	1	7-8	4000	1	*
	Boscombe Down	1019.4	+4	WNW	3	bc	61	65	8	4	6	2	2-3	4-6	4000	0	*
	Calshot (Soton)	1019.5	+4	SW	4	c	58	75	8	2	-	6	Tr	7-8	4000	0	§ 2
	Lympne	1019.9	+6	S'E	2	c	53	75	7	5	4	-	4-6	7-8	4000	0	§ 0
	Manston	1020.1	+4	SE'E	2	c	53	75	7	5	3	-	7-8	7-8	7200	0	*
2	Shoeburyness	1019.6	+2	SE	3	c	55	75	8	8	-	-	9+	9+	4000	0	*
	Felixstowe	1019.9	+4	SSE	2	c	52	85	7	5	7	-	4-6	7-8	5700	0	1
	Gorleston	1019.8	+2	SE'S	2	bc	52	85	6	-	3	-	0	4-6	-	0	1
	Mildenhall	1018.9	+10	SSE	4	c	57	85	8	5	1	-	7-8	9	2500	1	*
	Cranwell	1018.6	+6	E	2	z	59	75	6	8	-	-	7-8	7-8	4000	0	*
3	Birmingham	1018.5	+4	SSW	2	c	62	46	8	2	7	-	2-3	9	4000	1	*
	Upper Heyford	1018.8	+2	SW'W	2	bc	61	65	7	5	3	6	1	4-6	4000	0	*
4	Ross-on-Wye	1018.4	0	SW	3	c	60	65	7	5	3	8	4-6	9	2500	0	*
5	Hartland Point	1018.6	+4	WSW	3	dF	51	97	1	-	-	-	10	10	<150	1	3 *
	Bristol	1019.2	0	SSW	3	c	60	75	8	5	-	-	7-8	9	1500	0	
	Portland Bill	1020.0	-2	SW	2	c	52	92	7	5	4	-	4-6	7-8	2500	1	2
	Plymouth	1019.8	-2	S'W	3	rr	52	97	4	-	2	-	10	10	<150	1	1
	The Lizard	1019.9	0	W	2	dF	51	97	1	5	-	-	10	10	220	1	1
	Scilly (St. Mary's)	1020.2	+10	W	3	f	53	97	2	-	-	-	10	10	<150	1	2
	Guernsey	1021.1	0	S'W	1	o	53	85	8	5	-	-	10	10	800	1	3
6	Pembroke	1018.8	+2	W	3	F	51	97	1	-	-	-	10	10	<150	1	1
7	Holyhead	1017.7	0	S'E	4	c/pr	56	85	8	7	2	-	2-3	10	4000	0	1
	Chester (Sealand)	1018.4	+2	NNW	2	c	56	75	7	5	-	-	9+	9+	4000	1	*
8	Manchester	1018.0	0	WNW	2	z	59	75	6	8	-	-	9+	9+	4000	1	*
10	Spurn Head	1019.2	0	SE'E	2	c	51	85	6	5	8	-	4-6	7-8	2500	0	1
	Catterick	1017.9	-6	SSE	2	z	60	75	5	5	3	-	9	9	2500	1	*
	Tynemouth	1018.2	+2	SSE	3	c	49	85	7	8	-	-	9	9	1500	1	1
11	St. Abbs Head	1017.9	+10	SE	4	m	46	97	4	5	6	-	7-8	9	2500	0	2
	Leuchars	1017.8	0	NE	2	z	48	92	5	5	7	-	7-8	9-	4000	1	*
12	Renfrew (Abbotsl.)	1017.1	+4	SSW	2	c	57	75	8	8	4	-	7-8	9	4000	1	*
	Eskdalemuir	1017.5	+2	SSW	3	bc	57	65	8	1	-	8	2-3	2-3	2500	1	*
	Point of Ayre	1018.6	0	S'E	2	c	51	92	8	8	7	-	7-8	9	1500	0	1
13A	Tiree	1014.5	0	S'W	3	dd	51	97	5	-	2	-	10	10	450	1	3
13B	Stornoway	1014.9	0	SE	3	rr	50	85	6	5	2	-	7-8	10	1500	1	2
15	Dalwhinnie	1015.9	+4	S	3	c	54	65	8	4	2	-	4-6	10	2500	0	*
	Aberdeen	1018.2	+2	S'W	3	m	47	92	4	5	7	-	2-3	10	800	1	1
	Wick	1015.9	-2	SSE	3	c	47	92	5	5	1	-	4-6	9+	1500	1	2
16	Lerwick	1018.8	-4	S	5	c	46	85	7	5	1	-	4-6	7-8	1500	0	*
17	Blacksod Point	1016.3	+10	W	3	bc	58	85	8	4	-	-	2-3	2-3	800	0	2
18	Malin Head	1015.9	+8	W	4	c/f	58	92	7	4	5	-	7-8	9	1500	0	1
	Aldergrove	1016.2	+8	S	2	c	58	85	8	5	-	-	9+	9+	1500	1	*
19	Birr Castle	1016.0	+14	WSW	2	c	60	85	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.†	1019.0	+10	W	2	c	58	92	7	5	-	-	10	10	800	1	2
	Roches Point	1017.3	+6	WNW	3	bc	63	75	9	2	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 8th (37)	Weather. 13h.—18h. 8th (38)	Weather. 18h. 8th to 1h. 9th (39)	Weather. 1h.—7h. 9th (40)
1	London (Kew)	bmwbcy	bcy	bcy	bcmow
	Croydon	bmcz⊕	bcy⊕	bcyzbmw	bcbmw
	S. Farnborough	bcy⊕	cbcy	bcyc	cmofc
	Boscombe Down	bcmcbc	bcybc	bc	bcfcm
	Calshot (Soton)	bmbcm	bcmbbc	FF	FcFc
	Lympne	bmb	bc	bczb	bwbz
	Manston	bmb	cbcmc	cmobw	bmow
2	Shoeburyness	mbzbc	bcc	cbw	bbcw
	Felixstowe	bmb	bc	c	cbwm
	Gorleston	bbcbz	bbcz	bcb	bc
	Mildenhall	bbcz	bczcPRc	cbcb	bwbm
	Cranwell	bzcy	bzycz	czbcm	bcbfw
3	Birmingham	mbc	bc	bc	bcom
	Upper Heyford	bccy	bcybc	bcb	bbcmfw
4	Ross-on-Wye	cbbcy	cy	cdofo	omo
5	Hartland Point	bcc	cfocffd	ffdff	ffdf
	Bristol	cbcy	cbccy	cRfo	cmow
	Portland Bill	bd	bcc	off	offc
	Plymouth	coir	rddrrm	orrmc	c
	The Lizard	cdffr	ffd	ffd	dffof
	Scilly (St. Mary's)	odfrf	offc	offc	offac
	Guernsey	cbc	bcod	oifdd	ofd
6	Pembroke	cm	oprddfc	FcFcidfo	FcFco
7	Holyhead	mc	cofc	cffo	fcfco
	Chester (Sealand)	cmbcy	bcypfc	cifbcm	bcfmcm
8	Manchester	cmbczbc	bczcz	czifcm	cbcmff
10	Spurn Head	c	c	cw	c
	Catterick	fccz	bczcz	czcmo	cmow
	Tynemouth	bcffbc	cifbc	cbc	bccm
11	St. Abbs Head	cbcif	ffcm	bcc	c
	Leuchars	ffmmf	cfmm	cmofofcmofofcmo	
12	Renfrew (Abbotsl.)	cmpfc	c	cmofor	cmomfo
	Eskdalemuir	cwc	bc	bcc	oidow
	Point of Ayre	cbc	bcc	prbc	c
13A	Tiree	bcc	odrrd	omc	codm
13B	Stornoway	c	cfo	cid	c
15	Dalwhinnie	bcc	c	•	cif
	Aberdeen	omid	omfcm	cmcmo	cfz
	Wick	cbcz	bccm	pcmo	cmoc
16	Lerwick	cpr	c	c	cimo
17	Blacksod Point	o	mcbc	c	iR
18	Malin Head	cbcc	cpcjf	ccbc	bcprc
	Aldergrove	c	c	cidofobcOFfcof	
19	Birr Castle	cir	circ	c	corr
20	Valentia Obsy.†	iDom	acmc	cfo	cofdom
	Roches Point	oddfc	cbc	bc	coffc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⚡gale.
⊕ Solar halo. ◐ lunar halo. ☆ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

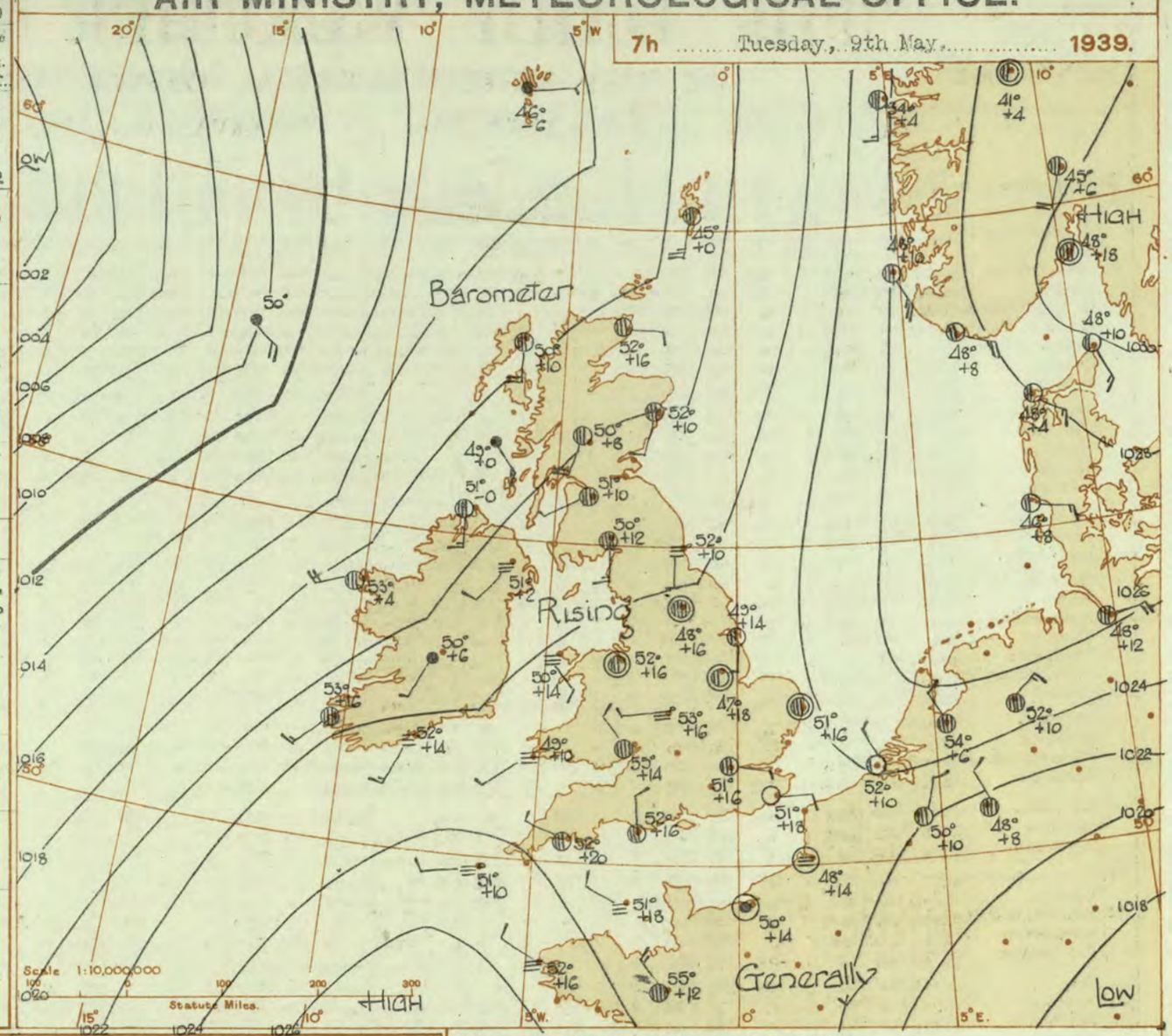
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 8th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 7h. 9h. to 8h. 9h.	Temperature. (°F) Max. 9h.—17h. 8h.	Rainfall. (mm.) Night. 17h. 7h. to 9h. 8h.	Rainfall. (mm.) Day. 9h.—17h. 8h.	Sunshine. (Hrs.) Sunrise to 17h. 8h.	Sunshine. (Hrs.) Sunrise to Sunset. 7h.
1	Tunbridge W.	pbcc	c	38	66	-	-	8·2	10·2
	Bournemouth	b	b	43	63	-	-	10·6	10·0
	Ventnor ...	b	b	46	60	-	-	11·6	12·6
	Southsea ...	b	b	45	64	-	-	11·7	12·1
	Bognor Regis	bbcb	b	44	61	-	-	11·0	10·2
	Littlehampton	bc	bc	44	58	-	-	11·9	11·1
	Worthing ...	b	b	46	62	-	-	11·8	10·3
	Brighton ...	bbc	bbc	46	58	Trace	-	10·8	8·6
	Eastbourne† ...	bbcc	cbcb	46	61	-	-	8·2	9·7
	Hastings† ...	bbcc	bccbc	44	60	-	-	8·9	10·4
	Folkestone ...	b	bbcb	44	58	-	-	10·5	11·6
	Dover ...	bc	bc	44	59	-	-	10·2	9·5
	Deal	b	bbc	43	60	-	-	11·2	11·8
	Ramsgate ...	bc	bc	45	56	-	-	11·6	11·6
	Margate ...	bc	bc	47	59	-	-	11·0	12·9
2	Southend ...	b	bubc	46	63	Trace	-	8·7	10·8
	Clacton-on-Sea	b	bbc	44	56	-	-	10·3	12·5
	Dovercourt ...	bz	bcz	43	59	-	-	10·3	12·9
	Lowestoft ...	b	b	39	59	-	-	11·6	12·4
	Skegness ...	b	b	45	54	-	-	11·1	9·4
	Mablethorpe...	bbcb	bbc	43	54	-	-	9·7	8·9
	Cleethorpes ...	wcbcb	bbc	41	56	-	-	9·4	9·9
3	Leamington S.	bcb	b	41	66	-	-	10·7	6·5
4	Cheltenham†	b	bbccq	42	65	-	-	10·1	7·7
5	Bath	bcb	bbcc	43	65	-	-	9·4	10·3
	Weymouth ...	b	b	46	58	-	-	11·8	12·0
	Jersey ...	cbc	bc	49	59	-	-	9·1	14·0
	Torquay ...	wb	bccojp	42	60	-	-	7·4	10·0
	Falmouth ...	codo	odo	46	56	Trace	1	0·2	9·9
	Penzance ...	mdo	mdc	47	56	0·3	1	0·0	12·1
	St. Ives ...								
	Bude... ...	bcc	coo	46	59	-	2	2·0	10·7
	Ilfracombe ...	bbc	bbco	47	60	-	-	4·8	8·2
6	Aberystwyth	cbc	bcc	45	59	-	0·3	4·0	8·4
7	Llandudno ...	bccbc	bcgc	47	59	-	Trace	6·3	6·5
	Colwyn Bay...	bcc	bcc	48	57	-	-	6·5	6·6
	Rhyl	bbc	bbcc	45	59	-	-	7·5	5·2
8	Wallasey ...	bc	bcc	46	59	-	-	8·1	6·4
	Southport ...	bczbc	bbc	43	62	-	-	8·0	8·6
	Blackpool ...	bcc	bbc	42	59	-	-	7·0	8·9
	Morecambe ...	bc	bc	43	58	-	-	6·5	7·9
9	Ilkley... ...	cbco	cbc	44	62	0·1	-	4·7	3·7
	Harrogate ...	bcc	cbcc	42	60	0·3	-	4·5	3·3
10	Berwick-on-T.	bcm	mrc	41	49	Trace	Trace	5·1	6·3
11	Dunbar ...	cmo	cmopr	42	52	1	1	4·5	5·0
12	Troon... ...	bccbc	bcc	46	48	-	-	5·8	4·2
	Douglas ...	cf	c	47	54	-	-	1·0	5·8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable wind; fair but cloudy periods; local coast mist; rather warm.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate southwest wind; cloudy, coast fog and drizzle; rather warm inland.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate south to southwest wind; cloudy, occasional rain; coast fog; rather warm and close inland.
10 N.E. England 11 S.E. Scotland	Light to moderate southwest wind; occasional rain or drizzle; rather warm and close inland.
12 S.W. Scotland & Isle of Man.	As 7 - 8.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light to moderate south to southwest wind, freshening; occasional rain; local coast fog; rather warm and close inland.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Moderate southwest wind; cloudy, occasional rain or drizzle; coast fog on south and west coasts; mild.

H.M.S.O. Press, Cornwall House S.E.1

K.D.

GENERAL INFERENCE.

Anticyclones are centred over Scandinavia and the Bay of Biscay and feeble troughs of low pressure are moving slowly east or northeastwards across the British Isles. Weather will be mainly fair in the South but there will be occasional rain in the North. There will be extensive fog on west and southwest coasts.

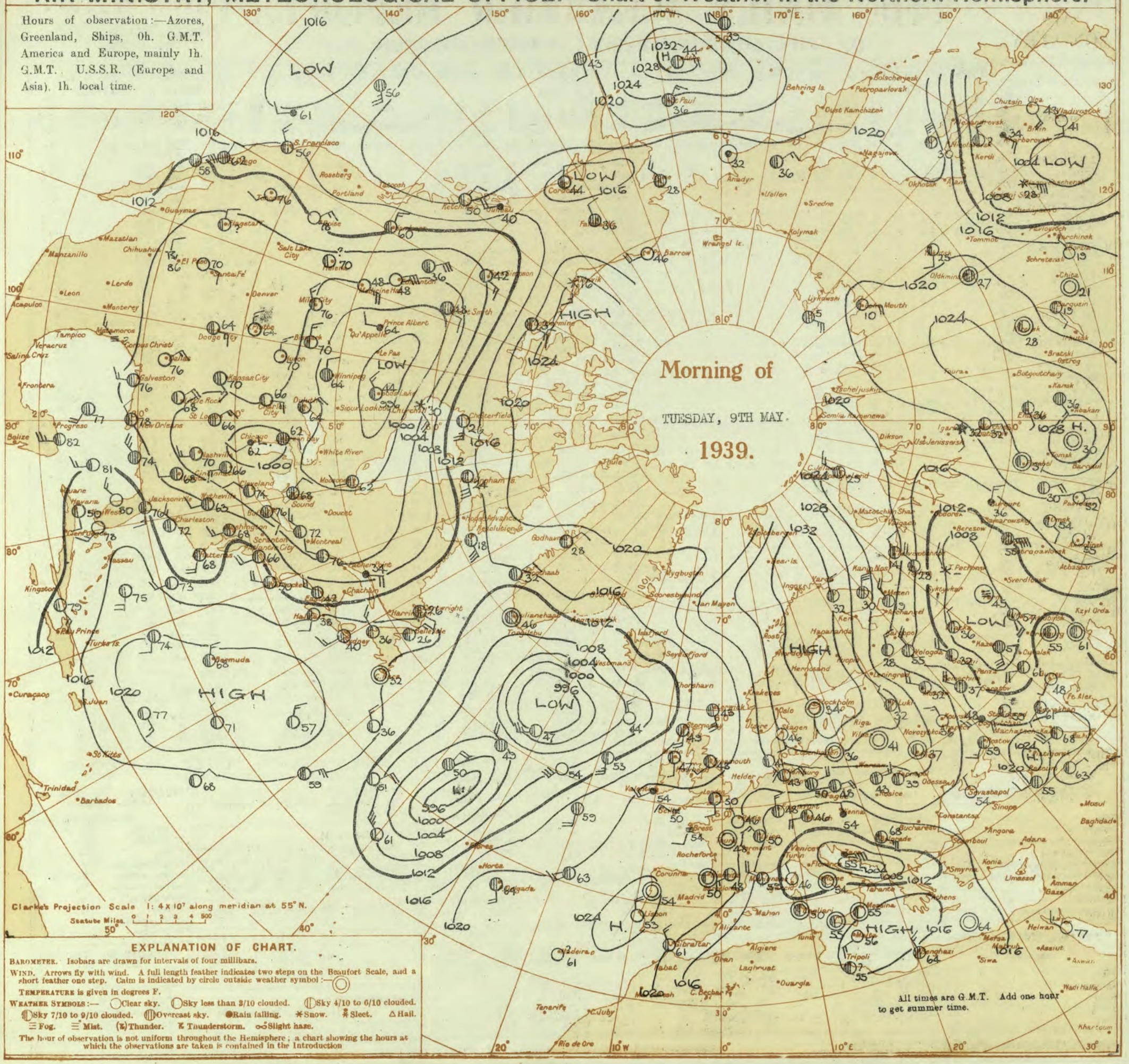
FURTHER OUTLOOK.

Mainly fair over a large part of England apart from coast fog and drizzle.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 9th May, 1939.
No. 28292.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1021.2	+10	S	2	z	50	92	6	-	-	2	0	2-3	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1021.4	+6	ESE	3	b	48	75	7	5	-	-	1	1	4000
	Manston	154	1021.5	+4	ESE	2	bc	47	85	7	-	-	8	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1021.5	+4	ESE	1	b	48	85	7	-	-	-	0	0	-
	Mildenhall	19	1020.8	+4	SE	2	bc	46	85	7	-	3	-	0	2-3	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020.9	+4	WSW	3	F	49	97	1	-	-	-	10	10	<150
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1020.4	+10	NW	2	of-	51	92	3	5	-	-	10	10	800
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1022.4	+8	W	2	df	49	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1022.3	+4	W'N	3	f	50	97	2	-	-	-	10	10	<150
	Guernsey	175	1021.7	0	W'N	2	F	51	97	1	-	-	-	10	10	<150
6	Pembroke	142	1020.6	+4	W'N	2	F	49	97	1	-	-	-	10	10	<150
7	Holyhead	26	1019.4	+6	SW	2	of	50	97	2	5	-	-	10	10	<150
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1020.4	+2	SSE	3	c	50	92	6	-	-	-	0	7-8	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1019.8	+4	SW	1	bc	48	92	5	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1018.8	0	SW	4	c	51	65	8	8	6	-	4-6	9	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1019.4	+2	S'W	2	bc	51	97	8	5	-	-	4-6	4-6	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1015.9	+12	S	4	c	49	85	7	5	2	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016.5	+4	SSW	4	c	48	92	6	5	7	-	7-8	9	1500
16	Lerwick	156	1018.7	-6	S	5	c	45	92	8	5	7	-	4-6	10	1500
17	Blacksod Point	18	1018.6	+4	SW	4	c	51	92	7	4	-	-	7-8	7-8	2500
18	Malin Head	84	1018.4	+4	S	1	bc	47	92	8	-	4	-	0	2-3	-
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1020.3	0	SW	3	r	54	92	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1023.4	+20	-	0	z	52	92	5	-	-	1	0	2-3	-	1	*
Croydon	1023.0	+16	SE	1	z	51	85	6	-	-	2	0	7-8	-	1	*
S. Farnborough	1023.6	+18	-	0	f+	49	97	2	-	-	-	10	10	<150	1	*
Boscombe Down	1023.6	+14	NW	1	z	53	97	6	5	-	-	10	10	800	1	*
Calshot (Sthmtn.)	1023.2	+16	NW'N	2	F	51	97	1	-	-	-	10	10	<150	1	§1
Lympne	1023.6	+18	ESE	2	z	51	75	6	-	-	-	0	0	-	0	0
Manston	1023.7	+18	E	2	b	53	75	6	-	-	-	0	0	-	0	*
Shoeburyness	1023.7	+22	E'S	1	bc	54	75	7	-	3	2	0	4-6	-	0	*
Felixstowe	1023.9	+18	WNW	1	z	50	85	6	-	4	5	0	Tr	-	0	1
Gorleston	1023.8	+16	-	0	c	51	85	6	-	3	-	0	7-8	-	0	1
Mildenhall	1023.2	+18	SE	2	z	50	85	6	-	-	-	0	0	-	1	*
Cranwell	1023.2	+18	-	0	z	47	92	5	-	-	1	0	2-3	-	1	*
Birmingham	1023.3	+16	W	1	m	53	92	4	5	3	-	9+	10	800	1	*
Upper Heyford	1023.4	+18	-	0	bcf	50	97	2	-	-	2	0	4-6	-	1	*
Ross-on-Wye	1022.7	+14	NNW	2	o	55	85	6	5	-	-	10	10	1500	1	*
Hartland Point	1023.3	+16	WSW	2	df	49	97	1	-	-	-	10	10	<150	1	2
Bristol	1023.6	+18	W	3	z	54	92	6	5	7	-	4-6	9	1500	1	*
Portland Bill	1023.4	+16	N	2	c	52	92	7	5	-	-	10	10	2500	1	2
Plymouth	1024.0	+20	NW	1	c	52	92	7	5	3	-	9+	9+	1500	1	1
The Lizard	1024.4	+8	W'N	2	of	49	97	3	5	-	-	10	10	450	1	2
Scilly (St. Mary's)	1024.4	+10	W	2	c/f	51	97	4	5	5	-	4-6	9+	450	1	2
Guernsey	1023.1	+18	NW	2	F	51	97	1	-	-	-	10	10	<150	1	2
Pembroke	1023.1	+10	SW'S	1	F	49	97	1	-	-	-	10	10	<150	1	0
Holyhead	1022.0	+14	SSE	2	of	50	97	2	5	-	-	10	10	<150	0	1
Chester (Sealand)	1022.4	+16	-	0	z	52	85	5	5	2	-	7-8	10	1500	1	*
Manchester	1022.6	+18	SSE	1	cf-	50	97	3	5	-	-	9+	9+	2500	1	*
Spurn Head	1022.7	+14	S	1	bc	49	85	6	5	-	-	4-6	4-6	5700	0	1
Catterick	1022.6	+16	-	0	z	48	85	6	5	-	-	10	10	4000	1	*
Tynemouth	1020.9	+10	S	1	m	52	85	4	5	-	-	9+	9+	2500	0	1
St. Abbs Head	1020.5	+22	SW	3	c	52	85	8	8	6	-	7-8	9	1500	0	2
Leuchars	1020.9	+14	SW	2	z	52	92	5	6	2	-	9	10	1500	1	*
Renfrew (Abbots I.)	1021.1	+10	SW'W	1	z	51	97	6	5	-	-	10	10	1500	1	*
Eskdalemuir	1021.8	+12	S	3	o	50	97	5	5	-	-	10	10	<150	1	*
Point of Ayre	1021.4	+16	-	0	c	52	92	8	5	-	7	2-3	10	2500	0	1
Tiree	1018.6	0	SSE	3	id	49	97	5	5	-	-	10	10	450	1	3
Stornoway	1017.5	+10	S	4	c	50	92	7	5	2	-	7-8	10	1500	1	2
Dalwhinnie	1020.8	+8	SSW	4	c	50	85	7	4	6	1	4-6	9	2500	1	*
Aberdeen	1020.1	+10	SSW	2	c	52	85	6	-	3	1	0	7-8	-	1	1
Wick	1018.9	+16	ESE	2	c	52	85	7	5	4	4	2-3	7-8	1500	1	1
Lerwick	1018.7	0	S'W	5	c/r	45	97	6	6	2	-	7-8	10	800	1	*
Blacksod Point	1018.4	+4	WSW	4	c	53	97	7	5	-	-	10	10	800	1	3
Malin Head	1019.3	0	S	3	c	51	92	8	5	-	-	7-8	7-8	800	0	1
Aldergrove	1020.7	+2	SW'S	2	of	51	97	3	5	-	-	10	10	<150	1	
Birr Castle	1020.7	+6	SSW	1	r	50	97	7	6	-	-	10	10	800	1	
Valentia Obsy. †	1022.8	+16	SW'S	3	z	53	97	6	5	-	-	10	10	220	1	2
Roches Point	1022.8	+14	SSW	3	f	52	97	3	5	-	-	10	10	<150	1	2

PAST 24 HOURS.

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 8th Hrs. (36)
London (Kew)	67	46	36	-	-	12.4
Croydon	68	44	40	-	-	13.3
S. Farnborough	67	43	37	-	-	11.5
Boscombe Down	64	46	42	-	-	10.6
Calshot (Sthmtn.)	61	47	46	-	-	12.7
Lympne	59	41	34	-	-	11.9
Manston	61	45	34	-	-	10.9
Shoeburyness	59	44	34	-	-	8.6
Felixstowe	58	44	36	-	-	10.4
Gorleston	54	45	42	-	-	11.9
Mildenhall	66	41	38	2	Tr	8.7
Cranwell	66	39	33	-	0.1	0.3
Birmingham	67	50	38	-	-	11.7
Upper Heyford	66	45	36	-	Tr	*
Ross-on-Wye	65	53	48	-	0.4	7.8
Hartland Point	56	48	47	2	1	4.1
Bristol	64	51	49	-	1	9.5
Portland Bill	55	49	*	-	Tr	*
Plymouth	55	50	49	1	1	2.0
The Lizard	52	48	*	2	0.2	0.0
Scilly (St. Mary's)	55	49	*	1	0.3	0.0
Guernsey	59	49	46	Tr	1	10.4
Pembroke	52	47	*	1	0.2	0.4
Holyhead	57	48	48	Tr	Tr	1.8
Chester (Sealand)	66	47	42	Tr	Tr	8.1
Manchester	66	42	38	-	Tr	6.4
Spurn Head	54	47	*	-	Tr	9.9
Catterick	64	40	36	Tr	-	4.9
Tynemouth	52	47	40	-	-	6.0
St. Abbs Head	55	45	*	-	-	*
Leuchars	53	52	40	-	1	2.0
Renfrew (Abbots I.)	61	50	49	Tr	5	2.9
Eskdalemuir	59	44	41	-	0.2	7.8
Point of Ayre	63	48	*	-	Tr	7.1
Tiree	56	46	45	4	0.3	2.4
Stornoway	53	49	*	1	Tr	3.1
Dalwhinnie	57	45	39	-	1	5.9
Aberdeen	47	45	41	Tr	0.1	0.0
Wick	51	46	*	-	0.1	*
Lerwick	50	44	*	Tr	0.4	6.0
Blacksod Point	56	49	*	-	3	*
Malin Head	60	44	*	4	Tr	1.6
Aldergrove	61	47	45	-	0.1	0.2
Birr Castle	62	49	43	1	6	1.3
Valentia Obsy. †	56	52	50	0.9	3	0.2
Roches Point	65	51	*	0.6	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	bmwbcy	bcy	bcmw	67	46	36	-	-	12.4	•	•	6
Croydon	217	bmcz⊕	bcy⊕z	bcbmw	68	44	40	-	-	13.3	•	•	8
Greenwich (Royal Observatory)	149	bbcy	bcy	cbwcy	69	43	34	-	Tr	8.8	62	54	7
City (Sunhill Row)	—	•	•	•	•	•	•	•	•	6.5	•	•	•
Westminster (St. James' Park)	27	•	•	•	69	49	42	-		10.0	51	61	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	69	46	40	-	-	8.9	43	55	•
Camden Square	110	bc	bc	•	73	47	40	-	-	•	•	59	•
Kensington	80	bc	bc	•	69	46	39	-	-	11.5	At 18h 62	59	•
Hampstead Observatory	450	bc	bc	bc	66	46	43	-	-	9.0	•	31	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington	0.6	18-19h 8th	<0.3	12-13h 8th
Kew Observatory	0.3	0-2h 9th	<0.1	14-18h 8th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 8th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 9th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1017.7	NNW	4	bc	64						68		-	
Brussels						1021.4	NNE	2	c	50		48		-
Berlin	1019.7	ESE	2	c	55	1021.2	ENE	4	z	50	61	46	-	-
Zürich	1014.6	SE	3	r	45	1016.6	S	1	id	45	48	45	*	4
Rome						1012.5	SE	4	bc	59	*	*		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 10th May, 1939.
No. 28293.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1024.2	+4	-	0	c	66	55	8	2	-	1	4-6	7-8	4000
	Croydon	1023.8	+2	SW	1	c	67	55	8	2	-	5	4-6	7-8	4000
	S. Farnborough	1024.1	0	WSW	1	c	67	55	7	2	-	7	4-6	9+	5700
	Boscombe Down	1024.8	+2	WNW	1	z_o	63	92	7	1	-	9	2-3	7-8	2500
	Calshot (Soton.)	1024.7	+6	S'W	4	c	54	85	7	5	3	9	7-8	9+	800
	Lympne ...	1024.4	+2	SE	2	bc	59	55	8	1	-	2	1	4-6	4000
	Manston ...	1024.6	+2	NE	2	bc	59	55	7	-	-	6	0	4-6	-
2	Shoeburyness ...	1024.5	0	ESE	2	bc	60	55	7	-	-	2	0	4-6	-
	Felixstowe ...	1024.9	+6	SSE	2	b	57	65	8	2	-	1	Tr	Tr	2500
	Gorleston ...	1024.7	+6	-	0	bc	55	75	6	-	7	-	0	2-3	-
	Mildenhall ...	1024.0	+2	-	0	bc	68	45	8	2	-	8	4-6	4-6	4000
	Cranwell ...	1023.2	-2	SSE	2	z_o	67	55	6	8	-	2	4-6	9	4000
3	Birmingham ...	1023.8	+8	SSW	2	bc	64	65	8	8	-	1	4-6	4-6	2500
	Upper Heyford	1024.2	+6	WSW	2	c	66	65	7	2	7	1	2-3	9	2500
4	Ross-on-Wye ...	1023.7	0	E	2	bc	66	65	8	1	-	9	2-3	4-6	4000
5	Hartland Point	1025.5	+10	WSW	3	F	50	97	1	-	-	-	10	10	<150
	Bristol	1024.9	+8	NW	2	c	63	75	7	5	-	-	9	9	1500
	Portland Bill ...	1024.7	+6	WNW	2	c	55	85	8	5	-	-	10	10	2500
	Plymouth ...	1025.2	+6	SSW	2	bcjf	56	92	8	7	7	-	4-6	4-6	1500
	The Lizard ...	1026.0	+4	W	2	bc	56	97	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1026.3	+6	W	3	cf+	56	92	2	5	-	-	9+	9+	2500
	Guernsey ...	1025.8	+10	NW	3	of+	52	97	3	5	-	-	10	10	450
6	Pembroke ...	1025.5	+6	WS	1	cjf	52	97	6	5	2	-	7-8	10	1500
7	Holyhead ...	1023.7	+6	S'W	4	c	59	85	7	5	3	6	4-6	7-8	450
	Chester (Sealand)	1023.2	0	NNE	1	c	67	65	7	7	3	-	4-6	9	2500
8	Manchester ...	1023.5	+6	SWW	1	z_o	64	65	6	7	3	-	4-6	9	4000
10	Spurn Head ...	1023.8	+2	SE	4	c	55	75	6	-	-	6	0	7-8	-
	Catterick ...	1022.7	+2	SE'S	2	z_o	66	65	6	5	3	-	4-6	4-6	2500
	Tynemouth ...	1023.0	+6	SSE	3	c	55	65	6	8	-	-	9+	9+	1500
11	St. Abbs Head...	1022.2	+4	SE	4	c	54	75	9	8	7	-	4-6	9	1500
	Leuchars ...	1021.6	-2	SW	3	c	63	75	7	8	3	-	7-8	9+	2500
12	Renfrew (Abbotsl.)	1022.1	+2	SWW	3	c	62	75	7	7	3	-	9+	9+	2500
	Eskdalemuir ...	1022.6	+2	SSW	3	c	59	65	8	5	-	-	10	10	1500
	Point of Ayre ...	1023.2	+4	N'E	2	bc	55	92	7	5	3	6	4-6	4-6	800
13A	Tiree	1019.3	+4	S	4	dr	52	97	5	-	2	-	10	10	450
13B	Stornoway ...	1017.4	-4	S	6	ir	52	85	6	5	7	-	9	10	1500
15	Dalwhinnie ...	1021.5	+4	SSW	3	c	54	75	8	4	2	-	4-6	10	2500
	Aberdeen ...	1020.8	0	S	4	c	59	75	6	-	3	7	0	10	-
	Wick	1019.8	+4	S	2	c	52	85	8	5	7	6	2-3	9	2500
16	Lerwick... ...	1020.8	+10	S	5	c	48	92	6	8	7	-	7-8	9	800
17	Blacksod Point...	1022.1	+16	WSW	4	o	56	92	7	-	2	-	0	10	-
18	Malin Head ...	1021.4	+14	W'S	3	c/d	55	92	6	5	-	-	9	9	2500
	Aldergrove ...	1022.1	+8	SW	3	c	57	85	8	5	-	-	10	10	1500
19	Birr Castle ...	1023.4	+12	SSW	1	c/r	57	92	7	6	2	-	4-6	10	800
20	Valentia Obsy.†	1025.1	+10	SW	3	z_o	56	97	6	5	-	-	10	10	450
	Roches Point ...	1024.7	+14	SW	3	c	56	92	8	8	-	5	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud 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)	1024.1	0	-	0	z_o	66	55	6	5	7	6	4-6	9+	5700	0	*
Croydon	1024.1	+6	SEE	2	z_o	64	75	6	4	3	-	4-6	10	5700	0	*
S. Farnborough	1024.0	0	WSW	3	c	65	65	7	2	-	5	2-3	7-8	4000	0	*
Boscombe Down	1024.9	+4	NWN	2	z_o	64	65	6	1	-	8	1	4-6	2500	0	*
Calshot (Soton.)	1025.0	0	SSW	3	bc	59	75	8	-	5	1	0	2-3	-	0	§2
Lympne	1025.2	+6	ESE	3	bc	54	65	7	-	-	1	0	2-3	-	0	§1
Manston	1025.4	+2	ENE	2	bc	54	65	7	-	-	6	0	2-3	-	0	*
Shoeburyness	1025.0	0	ESE	2	bc	55	65	8	-	-	2	0	4-6	-	0	*
Felixstowe	1025.1	+2	ESE	2	bc	54	65	8	-	-	6	0	2-3	-	0	1
Gorleston	1025.4	+4	-	0	bc	58	75	6	-	7	1	0	4-6	-	0	1
Mildenhall	1024.0	0	E'S	3	bc	68	65	7	1	-	6	Tr	2-3	4000	0	*
Cranwell	1023.8	+2	SE	1	z_o	63	85	7	8	-	2	7-8	9	4000	0	*
Birmingham	1023.7	0	WSW	2	c	66	55	8	8	6	-	7-8	9+	2500	1	*
Upper Heyford	1023.9	-2	WNW	2	c	67	55	7	1	4	8	Tr	9	2500	0	*
Ross-on-Wye	1024.0	0	SW	2	z_o	63	75	6	8	-	-	10	10	4000	0	*
Hartland Point	1026.6	+4	SW	3	F	52	97	1	-	-	-	10	10	<150	1	2 *
Bristol	1025.5	+6	W	2	c	60	85	7	5	7	-	7-8	9+	4000	0	
Portland Bill	1025.0	+4	WNW	2	bc	54	92	8	5	-	-	4-6	4-6	2500	1	2
Plymouth	1025.7	+2	N	3	bc	63	75	9	7	4	8	2-3	4-6	2500	0	1
The Lizard	1027.2	+6	WNW	3	c	55	97	8	5	-	-	7-8	7-8	1500	1	1
Scilly (St. Mary's)	1027.3	+4	NWW	3	p	55	97	2	-	-	-	10	10	<150	0	2
Guernsey	1026.2	+2	NNW	2	F+	50	97	1	-	-	-	10	10	<150	1	2
Pembroke	1026.2	+2	W'N	2	F	51	97	1	-	-	-	10	10	<150	1	1
Holyhead	1024.8	+2	SSW	3	c	52	92	8	5	-	-	10	10	800	0	2 *
Chester (Sealand)	1024.6	+6	NW'W	2	z_o	58	85	6	8	-	-	9	9	4000	0	*
Manchester	1024.1	+4	NW'W	3	c	62	75	7	5	-	-	7-8	7-8	5700	1	*
Spurn Head	1024.3	+2	SE	4	c	51	75	7	-	2	1	0	9+	-	0	3
Catterick	1022.7	0	W'S	2	c	65	65	8	-	4	4	0	7-8	-	0	*
Tynemouth	1022.9	0	SSE	2	c	55	65	5	5	-	-	9	9	1500	0	1
St. Abbs Head	1022.0	-4	SSW	3	c	63	65	7	8	6	-	4-6	9+	2500	0	2
Leuchars	1021.9	-2	WSW	4	c	62	75	6	5	7	-	7-8	10	1500	1	*
Renfrew (Abbotsl.)	1023.2	+10	SW	3	c/d	55	97	6	5	2	-	9+	10	1500	1	*
Eskdalemuir	1023.1	+4	SW'W	4	c	57	85	7	5	1	-	2-3	10	1500	1	*
Point of Ayre	1024.1	0	W	3	c	54	92	8	5	-	-	10	10	1500	0	1
Tiree	1021.0	+8	SW	4	bc	52	92	7	5	7	-	4-6	4-6	1500	0	3
Stornoway	1017.5	+4	SW	4	c/r	52	92	6	5	7	-	9	9+	1500	1	2
Dalwhinnie	1021.2	0	SW	4	c	52	92	7	4	2	-	7-8	10	1500	0	*
Aberdeen	1021.1	+2	S'W	3	c	55	85	6	5	7	-	7-8	9+	4000	1	1
Wick	1018.7	-6	SSW	3	c	52	85	7	5	7	8	4-6	9	1500	1	1
Lerwick	1020.2	-2	S'W	5	c/f	46	97	5	-	-	-	10	10	<150	1	*
Blacksod Point	1024.2	+12	SW	4	o	55	92	7	-	2	-	0	10	-	1	3
Malin Head	1023.5	+6	W	4	c	53	85	6	8	-	7	2-3	9+	5700	0	2
Aldergrove	1023.4	+6	W'N	2	c	61	85	8	1	-	3	2-3	9	2500	1	*
Birr Castle	1024.3	+8	W	1	c/r	58	92	8	6	1	-	4-6	10	1500	1	*
Valentia Obsy.†	1026.6	+6	W'S	2	z_o	55	97	6	5	-	-	10	10	450	1	2
Roches Point	1025.6	+4	SSE	3	bc	57	85	8	2	-	5	4-6	4-6	2500	1	2

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 9th (37)	13h.—18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.—7h. 10th (40)
London (Kew)	czobcy	cyczy	czobcw	bcbmow
Croydon	ccy	bccy	cbczo	bbcmo
S. Farnborough	ofbccy	cybcybc	bcb	bffbcmo
Boscombe Down	ccm	cmbcm	bcmo	bcmofew
Calshot (Soton.)	Febccm	bcm	bbcbmow	cmobcmo
Lympne	bzobbcy	bcy	bcbmow	bzobw
Manston	bzobcy	bcy	bcbw	bwbcmo
Shoeburyness	zobcy	bcy	bcwbw	bw
Felixstowe	bmob	b	bbw	bwbmo
Gorleston	cbc	bc	bcbw	bcwzo
Mildenhall	bmobc	bcy	bcb	bmo, cmow
Cranwell	bbcczoy	cmzoycz	bczobc	bczo
Birmingham	bmbc	bc	cpro	c
Upper Heyford	ofcmobcc	bcc	bc	bcmo
Ross-on-Wye	occ	bccido	cbcb	bwbc
Hartland Point	FFdFF	FFoFF	FFe	FFe
Bristol	cmoc	cbcc	cpro bc	bcbmifew
Portland Bill	c	cbc	bcc	c
Plymouth	cbc	jfcbc	bccido	cbcwbc
The Lizard	Fbc	bcc	cFF	bccff
Scilly (St. Mary's)	cifcf	Fifoff	offem	cffe
Guernsey	omif	ofcmf	ofbcm	bcof
Pembroke	Feocjf	FFo	Ffe	FeF
Holyhead	fefec	c	cbcff	offec
Chester (Sealand)	cmz	cz	cmow	cmow
Manchester	cfbcfczo	czobc	bcc	ccmo
Spurn Head	c	c	co	opro c
Catterick	cmbczo	bczoy	bcobc	bcwcw
Tynemouth	cifc	c	c	c
St. Abbs Head	c	c	cbc	bcc
Leuchars	cmoc	proci roc	cmo, bcw	cwbc
Renfrew (Abbotsl.)	cmoiroc	cmoiroid	m, ido bcc	bccmf
Eskdalemuir	omocwc	co	cqmo	omocwc
Point of Ayre	cbc	bcc	cbc	bcfw
Tiree	odomdr	drmoc	bcc	c
Stornoway	ccir	ciro	c	cirmo
Dalwhinnie	c	ciro	*	c
Aberdeen	cbcczo	czo	czobc	bcw
Wick	c	cproc	c	cprc
Lerwick	cirmo	comiF	mifife	cif ir
Blacksod Point	idc	idc	o	id
Malin Head	c	cdc	ccbc	bcc
Aldergrove	ofc	cidoc	cbc	bcwfmo
Birr Castle	orrir	iriro	ciroc	c
Valentia Obsy.†	idoom	idocom	moidomo	omoc
Roches Point	offec	cbc	bcw	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⸙ gale.
⊕ Solar halo. ⊕ lunar halo. ⌂ Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

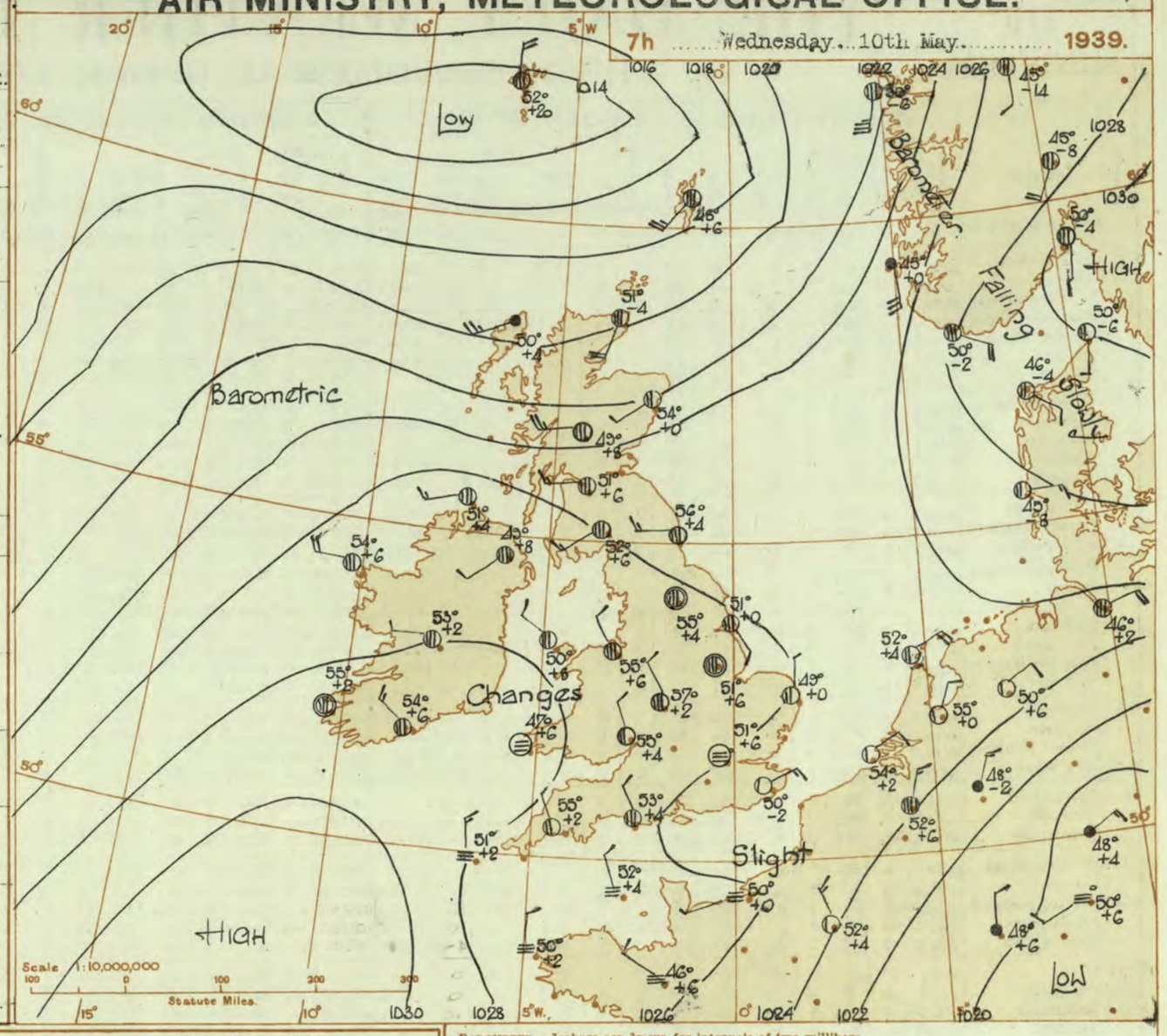
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 9th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 8th to 9h. 9th	Temperature. (°F) Max. 9h.—17h. 9th	Rainfall. (mm.) Night 17h. 8th to 9h. 9th	Rainfall. (mm.) Day. 9h.—17h. 9th	Sunshine. (Hrs.) Sunrise to 17h. 9th	Sunshine. (Hrs.) Sunrise to Sunset. 8th
1	Tunbridge W.	beb	bbec	39	68	-	-	9.9	8.8
	Bournemouth	cbc	beb	52	66	-	-	3.3	12.0
	Ventnor ...	ocmb	bebz	48	63	-	-	6.2	13.0
	Southsea ...	cbc	eb	48	61	-	-	6.4	13.3
	Bognor Regis	b	bbcb	46	57	-	-	10.8	12.5
	Littlehampton	bc	beb	44	58	-	-	11.4	13.4
	Worthing ...	b	b	46	60	-	-	11.3	13.3
	Brighton ...	bc	bc	47	56	-	-	9.5	12.4
	Eastbourne† ...	b	bby	46	61	-	-	10.9	9.0
	Hastings† ...	bbc	bc	45	60	-	-	10.7	9.5
	Folkestone ...	b	b	44	60	-	-	11.4	10.6
	Dover ...	bc	bc	45	59	-	-	11.3	10.2
	Deal	b	b	43	62	-	-	11.6	11.2
	Ramsgate ...	bc	bc	48	59	-	-	11.6	11.4
	Margate ...	bcb	bbc	47	58	-	-	11.8	11.2
2	Southend ...	b	b	48	65	-	-	10.7	8.8
	Clacton-on-Sea	bcz	bcz	48	57	-	-	10.8	10.9
	Dovercourt ...	bcz	bc	45	61	-	-	11.5	10.4
	Lowestoft ...	b	b	42	59	-	-	10.7	11.9
	Skegness ...	b	b	45	60	-	-	11.2	11.1
	Mablethorpe...	b	b	44	63	-	-	10.2	10.0
	Cleethorpes ...	wbz	bbc	44	65	-	-	10.8	9.6
3	Leamington S.	bc	bc	46	69	-	-	8.3	11.6
4	Cheltenham†	woc	cbcbq	52	69	Trace	-	3.8	10.5
5	Bath	c	cbc	53	69	-	-	2.5	9.4
	Weymouth ...	c	cb	50	62	1	-	3.2	11.9
	Jersey ...	pc	c	50	57	0.4	-	0.1	9.1
	Torquay ...	wovbc	bbcc	52	63	0.6	-	6.3	7.4
	Falmouth ...	c	b	49	67	-	-	5.5	0.2
	Penzance ...	dcbc	cbcc	49	65	Trace	-	3.3	0.0
	St. Ives ...								
	Bude... ...	of	of	50	59	0.3	-	1.1	2.0
	Ilfracombe ...	cdoco	obcc	49	56	0.3	-	2.2	4.8
6	Aberystwyth	cor bc	bcmb	50	58	7	0.3	2.8	4.0
7	Llandudno	bc	bcc	51	60	-	-	4.9	6.3
	Colwyn Bay...	cbcbc	bcc	51	58	-	-	5.1	6.6
	Rhyl	cbc	bcc	51	64	-	-	3.2	7.5
8	Wallasey ...	cbc	bcc	51	63	-	-	3.8	8.1
	Southport ...	ocbc	bcc	50	66	Trace	-	3.3	8.0
	Blackpool ...	cmc	bcc	52	61	Trace	-	3.3	7.0
	Morecambe ...	bcc	cbc	50	57	-	-	3.1	6.7
9	Ilkley... ...	bc	bc	44	68	-	-	4.0	4.7
	Harrogate ...	cbc	bcc	44	67	-	-	3.4	4.5
10	Berwick-on-T.	cobc	ocbc	44	59	-	-	1.9	5.3
11	Dunbar ...	cm	cm	45	65	-	-	2.4	5.0
12	Troon... ...	ocbcc	oco	49	55	5	-	1.4	5.8
	Douglas ...	cif	c	47	59	1	-	2.1	1.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 10th May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable or northwest wind; fair; rather warm.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light west to northwest wind; fair; local coast fog; rather warm inland.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	As 0 - 4.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate west to southwest wind, fresh locally; bright periods; local showers later; rather warm inland.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Light variable or southwest wind; fair; local coast fog; rather warm.

GENERAL INFERENCE.

Anticyclones are centred over Scandinavia and the Bay of Biscay. Weather will be fair apart from local coast fog.

FURTHER OUTLOOK.

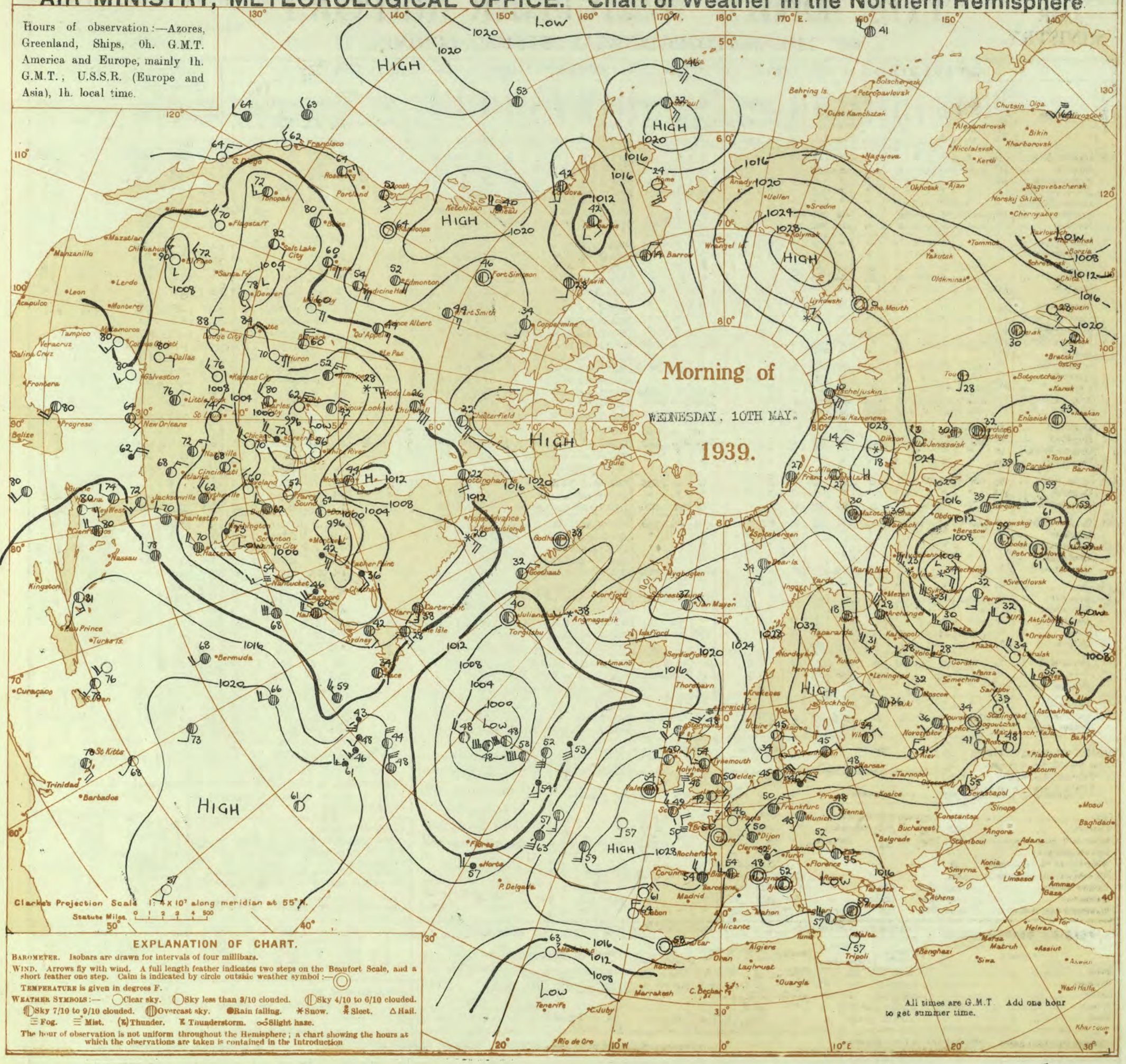
Similar.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 10th May, 1939.
No. 28293.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1025.5	+6	S'W	2	bc	49	85	7	-	-	2	0	4-6	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025.9	+2	NNE	2	b	48	65	6	-	-	-	0	0	-
	Manston	154	1026.1	+2	NNE	2	b	45	92	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1025.9	0	-	0	b	48	85	7	-	-	-	0	0	-
	Mildenhall	19	1025.6	-2	ESE	2	z	46	85	6	-	-	-	0	0	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027.3	+2	W	2	F	49	97	1	-	-	-	10	10	<150
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1025.8	+6	NNW	2	c	50	85	8	5	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1027.5	+4	W	2	oF-	59	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1028.0	+4	NNW	3	m/f	49	97	4	6	-	-	2-3	2-3	450
	Guernsey	175	1026.7	+4	W'N	2	bc	50	97	5	-	7	-	0	4-6	-
6	Pembroke	142	1027.4	0	NNW	1	F	49	97	1	-	-	-	10	10	<150
7	Holyhead	26	1026.7	+10	S'W	3	bcf	48	97	3	5	-	-	4-6	4-6	220
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1025.8	+8	SE'S	3	o	50	85	6	5	-	-	10	10	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1024.1	+8	W	2	c	54	92	6	5	-	-	7-8	7-8	1500
11	St. Abbs Head	280	1023.8	+4	W	3	bc	56	85	8	5	-	-	4-6	4-6	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1025.4	+6	W	3	bc	53	97	8	4	-	-	4-6	4-6	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1013.0	0	SW	4	c	51	85	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1020.0	+2	S	3	c	51	75	8	5	1	-	7-8	10	1500
16	Lerwick	156	1017.8	-10	SW	5	f+	48	97	2	-	-	-	10	10	<150
17	Blacksod Point	18	1026.1	+6	SW	4	c	51	92	7	-	2	-	0	10	-
18	Malin Head	84	1025.4	+10	W	4	bc	50	92	7	4	6	-	2-3	4-6	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1029.5	+10	-	0	o	54	97	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1025.9	+6	-	0	z	53	85	5	-	-	1	0	Tr	-	0	*
Croydon	1026.0	+6	-	0	m	51	92	4	-	3	1	0	7-8	-	0	*
S. Farnborough	1026.1	+6	-	0	bcf	52	97	5	-	-	6	0	4-6	-	1	*
Boscombe Down	1027.1	+8	NNW	2	f	53	97	3	-	-	-	10	10	<150	1	*
Calshot (Sthmtn.)	1025.8	+2	NW	3	z	55	92	5	5	3	-	1	4-6	4000	0	1
Lympne	1023.5	-2	NE'E	3	b	50	75	8	-	-	1	0	Tr	-	0	§0
Manston	1025.6	0	NE	1	bc	50	92	6	-	-	6	0	4-6	-	0	*
Shoeburyness	1026.1	+4	N'W	1	b	51	97	7	-	-	2	0	Tr	-	0	*
Felixstowe	1026.2	+2	N	1	z	49	85	6	-	4	-	0	Tr	-	0	1
Gorleston	1026.0	0	N'E	1	bc	49	85	6	-	4	1	0	2-3	-	0	1
Mildenhall	1026.0	+6	ESE	1	z	49	85	6	5	-	6	1	4-6	2500	1	*
Cranwell	1026.3	+6	-	0	z	51	85	6	5	1	2	Tr	9	4000	0	*
Birmingham	1027.6	+2	NNW	2	c	57	85	5	2	-	2	2-3	7-8	2500	1	*
Upper Heyford	1026.2	+6	NW'N	3	z	57	85	6	5	3	2	1	4-6	5700	0	*
Ross-on-Wye	1026.7	+4	N'W	2	bc	55	92	8	5	-	2	1	2-3	4000	0	*
Hartland Point	1027.5	+2	W	2	F	50	97	1	-	-	-	10	10	<150	1	2
Bristol	1027.1	+2	W'N	2	cf	53	97	2	5	-	8	4-6	9	450	0	
Portland Bill	1026.8	+4	NNW	2	c	53	85	7	5	-	-	7-8	7-8	1500	1	2
Plymouth	1027.4	+2	N'W	1	bc	55	92	8	5	3	-	2-3	4-6	4000	1	1
The Lizard	1027.7	+4	-	0	of	50	97	3	5	-	-	10	10	800	1	1
Scilly (St. Mary's)	1027.9	+2	N	3	cf	51	97	2	5	-	-	9+	9+	450	1	2
Guernsey	1026.6	+4	N'W	2	F	52	97	1	-	-	-	10	10	<150	1	1
Pembroke	1028.2	+6	-	0	of-	47	97	2	5	-	-	10	10	1500	1	1
Holyhead	1027.5	+8	NW	2	c/f	50	97	7	5	-	8	4-6	9+	800	0	1
Chester (Sealand)	1027.4	+6	NNW	2	z	55	92	6	5	-	-	4-6	9	1500	1	*
Manchester	1027.1	+10	W'N	2	z	53	97	5	5	-	-	10	10	800	1	*
Spurn Head	1026.0	0	SSE	2	c	51	85	7	5	2	-	4-6	10	4000	0	1
Catterick	1026.0	+4	-	0	c	55	85	7	5	4	4	2-3	9+	1500	1	*
Tynemouth	1024.8	+4	W	3	c	56	85	6	2	6	-	4-6	7-8	1500	0	0
St. Abbs Head	1024.4	+6	W	2	c	52	75	9	7	3	2	4-6	9	2500	0	1
Leuchars	1024.1	+10	SW	3	bc	52	85	8	5	8	5	2-3	2-3	5700	1	*
Renfrew (Abbots I.)	1025.8	+6	W	3	c	51	85	7	5	4	9	4-6	7-8	2500	1	*
Eskdalemuir	1025.3	+6	SW'S	3	c	52	75	8	5	3	5	2-3	7-8	1500	1	*
Point of Ayre	1026.8	+6	NW'W	2	f	49	97	2	5	-	-	4-6	4-6	800	1	1
Tiree	1023.7	+12	W'S	4	c	50	92	7	5	-	-	9+	9+	1500	0	3
Stornoway	1019.4	+4	WSW	5	rc	50	97	5	8	-	-	10	10	1500	1	3
Dalwhinnie	1024.3	+8	W	5	c	49	75	8	4	6	-	4-6	7-8	2500	0	*
Aberdeen	1021.8	0	SW	1	bc	54	65	7	-	3	-	0	2-3	-	1	0
Wick	1019.4	-4	SSW	4	c	51	75	8	5	1	8	7-8	9+	1500	1	1
Lerwick	1017.9	+6	SW	6	c/r	48	92	7	6	2	-	4-6	10	800	1	*
Blacksod Point	1026.4	+6	W	4	c	54	92	7	5	-	-	10	10	800	1	3
Malin Head	1026.6	+4	W'S	3	c	51	92	7	5	-	-	7-8	7-8	1500	0	1
Aldergrove	1027.2	+8	SW'S	2	z	49	97	6	5	-	-	10	10	450	1	*
Birr Castle	1027.6	+2	W	1	c	53	92	8	5	-	-	10	10	2500	1	*
Valentia Obsy. †	1028.8	+2	-	0	c	55	97	8	5	3	9	7-8	9	450	1	2
Roches Point	1028.7	+6	NW	3	c	54	97	8	5	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

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)	Night 18h–7h mm. (35)	Sunshine 9th Hrs. (36)
London (Kew)	68	49	42	-	-	8.8
Croydon	70	46	42	-	-	8.9
S. Farnborough	69	48	43	-	Tr	6.9
Boscombe Down	66	51	47	-	-	6.9
Calshot (Sthmtn.)	64	50	47	-	-	5.9
Lympne	59	42	36	-	-	12.3
Manston	60	41	31	-	-	13.2
Shoeburyness	61	42	34	-	-	12.7
Felixstowe	59	42	36	-	-	12.4
Gorleston	55	43	42	-	-	11.8
Mildenhall	69	44	42	-	Tr	10.8
Cranwell	68	44	39	-	-	7.9
Birmingham	69	54	49	-	Tr	6.4
Upper Heyford	69	54	43	-	-	*
Ross-on-Wye	69	50	40	Tr	-	3.1
Hartland Point	53	49	49	Tr	0.4	1.6
Bristol	66	49	44	-	0.1	3.7
Portland Bill	55	49	*	-	-	*
Plymouth	65	51	50	-	Tr	6.7
The Lizard	60	47	*	Tr	-	6.5
Scilly (St. Mary's)	62	50	*	-	0.2	1.2
Guernsey	57	47	46	-	-	2.0
Pembroke	53	47	*	-	0.1	0.0
Holyhead	60	47	45	-	Tr	2.1
Chester (Sealand)	68	49	43		-	4.2
Manchester	67	53	48	-	-	2.4
Spurn Head	57	48	*	-	Tr	10.7
Catterick	68	48	41	-	-	4.6
Tynemouth	59	53	49	-	-	2.5
St. Abbs Head	63	50	*	Tr	Tr	*
Leuchars	64	49	43	Tr	-	1.3
Renfrew (Abbots I.)	62	49	46	Tr	Tr	0.3
Eskdalemuir	62	47	45	-	-	1.5
Point of Ayre	59	47	*	-	-	2.0
Tiree	53	48	47	1	-	1.0
Stornoway	53	50	*	2	0.6	0.0
Dalwhinnie	59	46	37	0.1	-	.7
Aberdeen	60	49	43	-	-	4.7
Wick	53	48	*	Tr	Tr	*
Lerwick	48	45	*	-	3	0.1
Blacksod Point	57	50	*	Tr	0.5	*
Malin Head	57	45	*	0.2	-	2.5
Aldergrove	61	48	39	Tr	-	2.4
Birr Castle	60	51	47	1	Tr	0.1
Valentia Obsy. †	58	53	53	0.1	Tr	0.0
Roches Point	59	52	*	Tr	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather (24 hrs. ended 9h.) Morning	Afternoon	Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	czobcy	cyczbcw	bcbmow	68	49	42	-	-	8.8	•	•	5
Croydon	217	ccy	bccybcz	bbcmo	70	46	42	-	-	8.9	•	•	5
Greenwich (Royal Observatory)	149	cy	cy	cbwcz	70	46	37	-	Tr	9.5	52	65	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	7.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	70	51	45	-		6.7	61	65	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	69	49	43	-	-	5.9	51	75	•
Camden Square	110	bc	bc	•	72	50	44	-	-	*	•	65	•
Kensington	80	bc	bcc	•	70	49	42	-	-	6.1	At 18h 59	74	•
Hampstead Observatory	450	bc	o	bcm	67	48	47	-	-	7.7		69	•

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 whole period			

Kew Observatory. Max.	Time.	Min.	Time.
0.2	1-6h 7th	0.1	10-11h 9th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 9th May. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 10th May. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1022.2	W	1	bc	61	1024.1	NNW	3	b	52	64	46	-	-
Brussels	1022.0	N	3	c	59	1023.5	NE'N	3	o	52	61	46	-	-
Berlin	1023.0	E	3	roro	52						61		0.6	
Zurich	1018.0	WNW	1	rr	48						48	.	9	
Rome	1013.6	ENE	2	c	59	1015.0	E	1	d	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.

Code		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, KINGSWAY, LONDON W.C.2

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. , Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 11th May, 1939.
No. 28294

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1025.6	0	NNE	3	z	64	65	6	5	-	-	9	9	4000
	Croydon ...	1025.5	-4	ENE	2	zo	63	65	6	5	4	7	1	10	4000
	S. Farnborough	1025.4	-2	N	3	zo	67	55	6	7	-	-	9	9	4000
	Boscombe Down	1026.0	-6	NW	3	c	65	65	8	7	-	8	7-8	7-8	4000
	Calshot (Soton.)	1025.3	-2	NNW	3	c	68	65	7	2	3	1	4-6	7-8	2500
	Lympne ...	1025.3	-2	NNE	2	bc	60	55	7	5	-	8	1	2-3	7200
	Manston ...	1025.7	-4	N	2	b	57	75	6	-	3	1	0	Tr	-
2	Shoeburyness ...	1025.9	-2	ESE	2	bc	59	75	7	-	-	2	0	4-6	-
	Felixstowe ...	1025.9	-2	SE	2	bc	55	75	8	-	4	8	0	2-3	-
	Gorleston ...	1025.7	-4	-	0	bc	53	85	6	-	-	8	0	4-6	-
	Mildenhall ...	1025.0	-10	-	0	bc	67	55	7	1	-	5	Tr	4-6	4000
	Cranwell ...	1024.7	-14	NW	3	zo	68	55	6	7	-	2	2-3	9	4000
3	Birmingham ...	1026.0	-2	NNW	3	c	65	65	8	1	-	2	1	7-8	4000
	Upper Heyford	1025.7	-2	NNW	2	zo	66	65	6	2	-	1	4-6	7-8	2500
4	Ross-on-Wye ...	1026.0	-4	N	2	bc	68	55	8	1	-	2	1	2-3	4000
5	Hartland Point	1028.2	0	WNW	2	F	53	97	1	-	-	-	10	10	<150
	Bristol ...	1026.7	-6	WNW	2	c	65	65	8	8	-	8	4-6	7-8	2500
	Portland Bill ...	1025.7	-4	NW	2	bc	63	75	8	1	-	-	4-6	4-6	2500
	Plymouth ...	1026.8	-6	NNW	4	bajf	67	55	9	1	-	2	2-3	4-6	2500
	The Lizard ...	1027.8	-2	W	2	fs	57	85	5	4	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	1028.5	-2	NW	3	f	56	97	2	-	-	-	10	10	<150
	Guernsey ...	1026.4	-4	NWN	3	c	55	97	5	4	-	-	9	9	220
6	Pembroke ...	1029.2	-2	WNW	2	e	53	97	6	5	-	-	10	10	1500
7	Holyhead ...	1028.0	-2	WNW	3	c	55	85	8	5	-	9	Tr	7-8	800
	Chester (Sealand)	1027.7	0	N'W	4	zo	59	85	6	8	-	2	2-3	4-6	1500
8	Manchester ...	1027.4	0	NW	4	bc	60	75	7	1	5	6	1	4-6	2500
10	Spurn Head ...	1025.3	-4	SE	2	c	57	75	6	-	-	8	0	7-8	-
	Catterick ...	1024.5	-4	NWW	3	c	70	35	8	1	3	8	Tr	9	2500
	Tynemouth ...	1024.0	-8	W	4	bc	66	45	7	2	3	2	4-6	4-6	2500
11	St. Abbs Head...	1022.9	-8	NW	5	c	55	75	8	7	6	-	2-3	7-8	2500
	Leuchars ...	1023.5	+6	W	5	c	61	65	8	7	3	9	4-6	9	4000
12	Renfrew (AbbotsI.)	1025.7	-2	WN	5	c	60	75	9	8	5	6	4-6	7-8	1500
	Eskdalemuir ...	1024.9	-2	WN	4	c	65	45	8	1	3	2	1	7-8	2500
	Point of Ayre ...	1026.3	d	NWW	3	c	60	85	8	-	3	-	0	9+	-
13A	Tiree ...	1026.2	+10	WNW	3	c	54	35	7	5	-	-	7-8	7-8	1500
13B	Stornoway ...	1022.2	+16	NW	5	c	58	92	7	8	7	-	7-8	9	2500
15	Dalwhinnie ...	1024.9	+6	W	5	c	58	75	8	4	6	-	4-6	10	2500
	Aberdeen ...	1022.3	+2	NWW	4	c	61	55	8	7	3	-	7-8	9	2500
	Wick ...	1021.5	+14	NW	4	c/pr	58	85	8	8	7	8	4-6	9+	1500
16	Lerwick...	1019.3	+12	WSW	4	c	50	97	7	5	2	-	4-6	9	220
17	Blacksod Point...	1028.6	+10	WSW	3	bc	57	85	9	4	3	-	1	4-6	1500
18	Malin Head ...	1028.3	+10	W	3	m	53	97	4	6	-	-	9+	9+	800
	Aldergrove ...	1027.6	+4	SW	3	c	57	85	8	5	-	-	10	10	2500
19	Birr Castle ...	1028.4	+2	W	1	e	63	85	8	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1029.7	+6	WN	2	bc	61	85	9	7	-	2	1	4-6	2500
	Roches Point ...	1029.5	+4	SW	3	if	58	92	3	8	3	-	4-6	7-8	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1024.0	-4	NNW	2	zo	68	55	6	5	-	6	4-6	9+	4000	0	*
Croydon	1023.8	-10	SE	2	zo	66	75	6	4	4	7	4-6	10	4000	0	*
S. Farnborough	1023.9	-4	NW	3	zo	68	55	6	1	-	6	Tr	7-8	4000	0	*
Boscombe Down	1024.9	-6	N'W	2	c	66	55	7	1	-	8	1	7-8	4000	0	*
Calshot (Soton.)	1024.6	-4	E'N	1	zo	58	75	6	-	-	2	0	7-8	-	0	1
Lympne	1024.5	-6	SSW	1	bc	55	75	7	-	-	2	0	4-6	-	0	§0
Manston	1024.6	-8	-	0	c	57	65	6	5	-	6	7-8	7-8	5700	0	*
Shoeburyness	1024.0	-10	SE	2	bc	55	75	8	-	-	2	0	4-6	-	0	*
Felixstowe	1024.4	-10	SE	2	c	54	75	8	-	4	8	0	7-8	-	0	1
Gorleston	1024.0	-10	SSE	1	bc	51	92	6	5	-	4	1	4-6	2500	0	2
Mildenhall	1023.7	-6	NE'E	2	c	67	65	7	5	3	-	7-8	9+	4000	0	*
Cranwell	1023.9	-6	WNW	2	zo	68	55	6	-	4	9	0	9	-	0	*
Birmingham	1025.4	0	NW	3	c	62	45	8	-	4	8	0	9	-	1	*
Upper Heyford	1024.5	-6	NW'N	3	c	65	55	7	-	-	6	0	9	-	0	*
Ross-on-Wye	1024.9	-4	N	2	bc	67	55	8	7	-	2	4-6	4-6	4000	0	*
Hartland Point	1027.2	-6	WSW	2	F	49	97	1	-	-	-	10	10	<150	0	2
Bristol	1025.7	-2	W	3	c	65	75	8	8	-	8	1	7-8	2500	0	*
Portland Bill	1025.2	-2	NW	2	bc	58	85	8	1	-	-	4-6	4-6	2500	1	2
Plymouth	1026.4	-2	NW	5	b	63	65	9	1	-	1	Tr	1	2500	0	2
The Lizard	1027.9	0	NNW	3	bc	60	85	8	4	4	-	2-3	2-3	2500	0	1
Scilly (St. Mary's)	1028.3	-2	N'E	4	c	54	97	6	5	-	-	10	10	1500	1	2
Guernsey	1025.5	-6	NWW	2	bc	55	92	7	-	-	*	0	2-3	-	0	1
Pembroke	1028.0	-4	N	2	bc	55	85	7	7	7	1	4-6	4-6	2500	1	1
Holyhead	1027.4	-6	S	2	c	54	85	8	5	6	-	7-8	9	2500	0	1
Chester (Sealand)	1027.0	-4	NWN	5	c	57	75	8	5	-	-	9+	9+	4000	6	*
Manchester	1026.2	-2	NWW	4	c	59	55	7	5	5	2	2-3	9	7200	1	*
Spurn Head	1023.5	-10	SE	3	bc	53	75	6	3	3	8	2-3	4-6	4000	0	2
Catterick	1024.1	+2	NWW	4	bc	63	55	8	2	4	2	2-3	4-6	2500	0	*
Tynemouth	1023.7	0	NE	2	c	56	65	6	2	-	-	7-8	7-8	1500	0	1
St. Abbs Head	1024.7	0	NW	4	c	58	65	9	8	6	-	4-6	9+	2500	0	3
Leuchars	1023.8	+6	W	3	bc	63	65	8	7	4	6	4-6	4-6	4000	0	*
Renfrew (AbbotsI.)	1025.8	+2	NW	4	bc	59	75	9	1	4	6	1	2-3	2500	0	*
Eskdalemuir	1024.4	-2	NWW	4	bc	61	65	8	2	3	1	4-6	4-6	2500	0	*
Point of Ayre	1027.2	-2	NNW	3	c	52	97	8	5	-	-	9+	9+	1500	0	1
Tiree	1027.2	+4	NWN	2	c	50	92	7	5	-	-	7-8	7-8	1500	1	2
Stornoway	1027.1	+14	NNW	3	c/d	50	85	8	5	7	-	9	10	2500	1	2
Dalwhinnie	1025.1	-8	W	2	bc	56	65	8	4	6	-	1	4-6	4000	0	*
Aberdeen	1023.9	+4	NNW	4	c	57	65	8	7	3	-	7-8	9	2500	0	2
Wick	1023.9	+16	NW	4	c/pr	50	92	8	5	7	-	7-8	10	1500	1	2
Lerwick	1021.7	+10	NW	4	c	51	85	8	8	7	-	4-6	9	800	0	*
Blacksod Point	1028.8	0	W'S	3	bc	52	85	7	5	-	-	4-6	4-6	800	0	2
Malin Head	1028.2	+4	W	2	f	51	97	2	-	-	-	10	10	<150	0	1
Aldergrove	1027.3	-2	N'W	2	c	59	85	8	5	3	-	9	9+	1500	0	*
Birr Castle	1028.1	-4	W	1	c	68	75	8	5	3	8	2-3	7-8	2500	1	*
Valentia Obsy.†	1029.4	-2	W	1	bc	57	92	9	1	5	1	Tr	2-3	2500	0	1
Roches Point	1028.7	-6	WSW	3	c	55	92	9	8	-	5	4-6	7-8	2500	0	2

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 10th (37)	13h.—18h. 10th (38)	18h. 10th to 1h. 11th (39)	1h.—7h. 11th (40)
London (Kew)	bmwezo	cyczy	cz.yc	bcwbcm.
Croydon	beczo ⊕	czo ⊕	cbz.y	bm.wcm.
S. Farnborough	bcczy	cbczy	bcbm.	bbccm.
Boscombe Down	cmbc	bcycy	cbc	bcbbcm.
Calshot (Soton.)	bccmbc	cm	bcbm.w	bm.
Lympne	bbcc ⊕	bbcy	bccbm.w	bbcm.w
Manston	cmbz	bczy	cz.bcbm.	bccm.
Shoeburyness	b,cbc	bc	bcw	bcwcm.
Felixstowe	bmcbc	bc	bcb	bw,cm.
Gorleston	becz	bccbc	bcc	cbcc
Mildenhall	bcmbbc	bcyc	cbcbm.	bcbcm.
Cranwell	beczy	czy	bcz.bm	bmwbc
Birmingham	cbc	bcc	cbc	bcc
Upper Heyford	beczo	cz	cbcm.	bcm.w
Ross-on-Wye	beebc	bcy	bcc	cbcc
Hartland Point	FF	FFe	FFeifbcc	cbcc
Bristol	bcfebcz	bc	bccm.	cm.bcw
Portland Bill	cbc	bc	c	cbc
Plymouth	bcjf	bcbv	bvbm.	bm.bc
The Lizard	bcff	fbc	bcw	bcc
Scilly (St. Mary's)	ffff	ffbcc	offbf	bffbcc
Guernsey	ofc	cifbc	bcbw	bwbcc
Pembroke	FFmc	cbc	bc	c
Holyhead	cmbc	bcc	c,bc	bcc
Chester (Sealand)	cbczm	bcmc	cd.bcm.	cm.
Manchester	omczbc	bcc	bcm.cm.	bwmbcm
Spurn Head	c	c	cw	cq
Catterick	wbccy	cybcy	bcybc	bcc
Tynemouth	cbc	bcc	c	c
St. Abbs Head	bce	c	bc	bcc
Leuchars	bcc	cbcybc	bcw	bccw
Renfrew (AbbotsI.)	c	cbc	bcb	bffm.w
Eskdalemuir	cbccy	cbc	bcb	bbccw
Point of Ayre	fbcc	e	cbcb	bcc
Tiree	omdc	cid	c	c
Stornoway	cid	cprd	cid.	c
Dalwhinnie	c	cbc	c	c
Aberdeen	bccy	cyc	cbc	bccd.
Wick	dopr	cpr	id.c	c
Lerwick	coir	c	c	c
Blacksod Point	bc	bc	iF	iF
Malin Head	cidfc	oDfo	oDfoDbc	cd
Aldergrove	omc	c	ccid.	cid.o
Birr Castle	c	c	c	c
Valentia Obsy.†	cbcv	bccbcv	bcvbw	bwb
Roches Point	bccif	cifc	cbcw	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

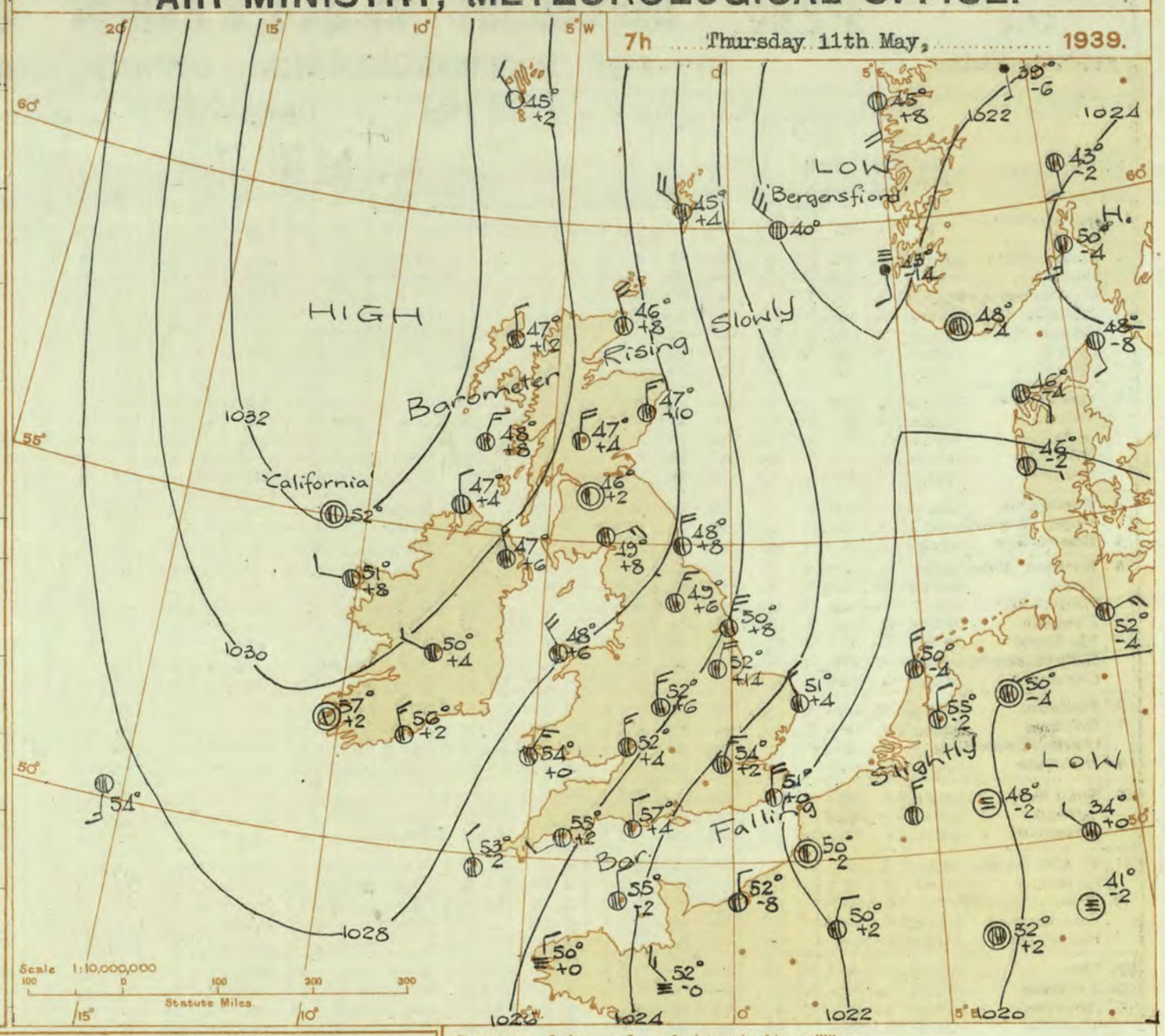
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 10th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 9th to 9h. 10th	Temperature. (°F) Max. 9h.—17h. 10th	Rainfall. (mm.) Night. 17h. 9th to 9h. 10th	Rainfall. (mm.) Day. 9h.—17h. 10th	Sunshine. (Hrs.) Sunrise to 17h. 10th	Sunshine. (Hrs.) Sunrise to Sunset. 9th
1	Tunbridge W.	o	ocbcb	41	67	–	–	4·8	10·2
	Bournemouth	b	b	53	72	–	–	10·5	3·7
	Ventnor ...	obcz	bcbz	50	68	–	–	7·4	6·9
	Southsea ...	cb	bcb	51	70	–	–	7·7	8·0
	Bognor Regis	bc	cbcc	48	58	–	–	5·4	12·1
	Littlehampton	bc	bc	48	67	–	–	7·6	12·5
	Worthing ...	bc	bcb	48	60	–	–	5·9	12·0
	Brighton ...	cbc	bc	48	58	–	–	5·4	10·3
	Eastbourne† ...	bccy	cbccy	45	61	–	–	7·8	11·7
	Hastings† ...	bbcb	bbcb	46	60	–	–	9·1	11·2
	Folkestone ...	bbc	bbc	48	61	–	–	10·1	12·4
	Dover ...	bc	bc	46	62	–	–	10·6	12·5
	Deal	bbc	bbc	48	61	–	–	*	12·8
	Ramsgate ...	bc	bc	47	58	–	–	10·5	12·9
	Margate ...	bc	bcc	47	56	–	–	10·5	13·1
2	Southend ...	cb	b	47	63	–	–	7·8	11·7
	Clacton-on-Sea	bcz	bcz	46	56	–	–	8·7	12·1
	Dovercourt ...	bc	bz	45	60	–	–	11·1	12·7
	Lowestoft ...	bzbcb	bbcc	40	58	–	–	8·2	11·9
	Skegness ...	ocb	bbo	47	59	–	–	6·6	12·1
	Mablethorpe...	bcb	bbcb	45	61	–	–	7·3	10·7
	Cleethorpes ...	cbczb	bbc	46	65	–	–	7·1	10·8
3	Leamington S.	bcz	bc	53	69	–	–	6·0	9·0
4	Cheltenham†	wcbc	bbcq	51	71	Trace	–	8·2	5·6
5	Bath	bcb	bbc	53	71	–	–	9·1	2·8
	Weymouth ...	cb	b	52	70	–	–	10·2	4·8
	Jersey ...	fcbc	bcb	48	69	–	–	5·7	2·1
	Torquay ...	b	bvy	53	70	–	–	11·4	6·7
	Falmouth ...	b	b	49	67	–	–	8·9	5·7
	Penzance ...	cbcb	bbcc	49	67	–	–	7·2	3·4
	St. Ives ...								
	Bude... ...	om	of	50	55	0·4	–	0·0	1·1
	Ilfracombe ...	com	mbcb	49	57	0·5	–	3·0	2·2
6	Aberystwyth	ffoc	cbc	51	57	0·5	–	2·3	2·8
7	Llandudno ..	cbc	bbcc	52	62	–	–	5·0	4·5
	Colwyn Bay...	cbc	bcbc	53	63	–	–	4·9	5·1
	Rhyl	cw	cbcc	51	59	–	–	6·2	3·5
8	Wallasey ...	oc	cbcc	50	57	–	–	2·4	3·8
	Southport ...	oco	cbcc	51	58	Trace	–	2·5	3·3
	Blackpool ...	ofcm	cbcc	50	57	–	–	3·8	3·3
	Morecambe ...	embc	bcc	50	58	–	–	4·7	3·1
9	Ilkley... ...	bcb	bbc	51	69	–	–	5·7	5·3
	Harrogate ...	bcb	bcb	50	70	–	–	8·3	4·4
10	Berwick-on-T.	bbc	bbc	50	65	–	–	9·6	1·9
11	Dunbar ...	bcm	bcm	48	63	–	–	8·0	2·4
12	Troon... ...	bcc	cbc	46	57	Trace	–	6·2	1·4
	Douglas ...	bc	c	47	63	–	–	7·3	2·1

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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 May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate north to northeast wind, fresh locally; mainly fair, local showers near the East coast; cool, slight ground frost at night.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate north to northeast wind; fair; cool; ground frost inland at night.
10 N.E. England 11 S.E. Scotland	Moderate north to northeast wind, fresh locally; bright intervals; local showers; cool, ground frost locally at night.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	As 4 - 9.
15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	As 4 - 9.

L.D.

GENERAL INFERENCE.

An anticyclone extends from Northwest Ireland to northeast of Iceland. Weather will be fair apart from local showers near the East coast. It will be much cooler than of late.

FURTHER OUTLOOK.

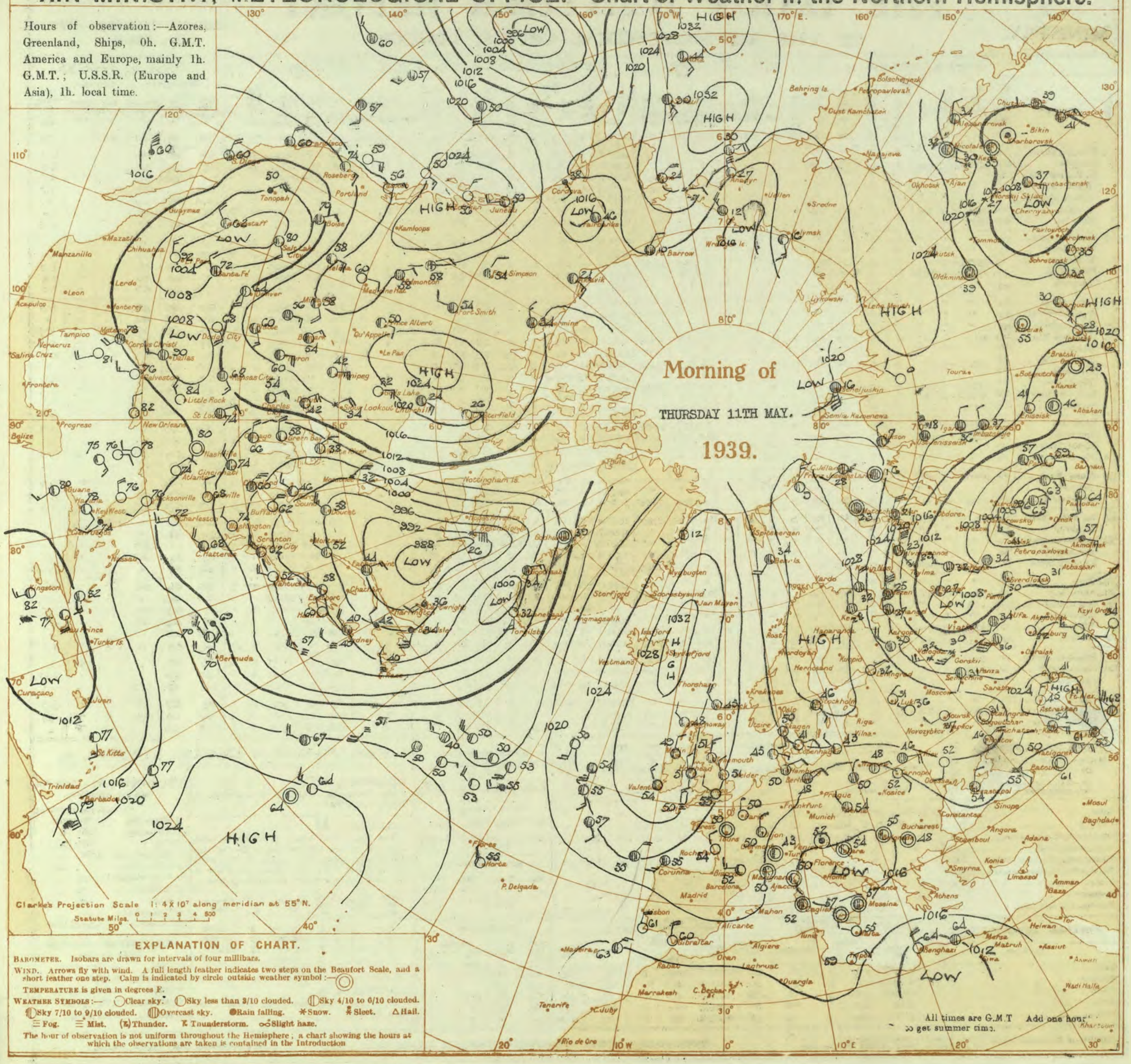
Similar.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON DSc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 11th May, 1939.
No. 28294

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1024·0	+2	NW	2	z₀	55	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023·6	-10	SSE	1	b	49	75	6	-	-	-	0	0	-
	Manston ...	154	1022·9	-14	S	1	b	48	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1023·2	-10	S	1	c	50	85	7	5	-	-	9+	9+	2500
	Mildenhall ...	19	1023·0	+6	NNW	3	z₀	52	85	6	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027·1	-6	N	2	c	52	92	8	5	-	-	7-8	7-8	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1024·7	-8	N	2	c	56	85	8	5	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·2	-2	NNW	4	bc	50	97	7	8	-	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	1027·7	-6	N	3	bf	50	97	2	-	-	-	0	0	-
	Guernsey ...	175	1025·4	0	NW	1	b	53	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1027·6	-2	NNW	2	bc	51	97	7	7	-	-	2-3	2-3	2500
7	Holyhead ...	26	1027·4	-2	NNW	2	c	51	92	8	5	-	-	7-8	7-8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1024·0	+2	NNW	2	bc	51	92	6	-	2	-	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1026·0	+8	N	3	c	51	85	7	5	-	-	9+	9+	2500
11	St. Abbs Head	280	1027·1	+6	NNE	2	bc	49	92	9	2	4	-	4-6	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1027·2	0	NNW	5	b	49	92	8	8	-	-	1	1	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1029·4	+6	NW	2	c	48	85	6	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·2	+8	NNW	4	c	47	85	7	5	1	-	7-8	10	1500
16	Lerwick ...	156	1025·5	+14	NW	4	c	45	85	8	5	2	-	4-6	10	800
17	Blacksod Point	18	1030·0	+2	-	0	F	48	97	1	-	2	-	10	10	<150
18	Malin Head ...	84	1029·9	+6	N	2	c/d	49	85	6	5	-	-	7-8	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·2	0	NW	3	c	54	97	7	5	-	-	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1024·2	+6	NNE	4	z₀	55	75	6	5	-	1	2-3	2-3	4000	0	*
Croydon ...	1023·8	+2	NNE	3	c	54	85	6	5	4	-	7-8	7-8	1500	0	*
S. Farnborough	1024·3	+2	NW	3	z₀	54	85	6	7	-	-	7-8	7-8	4000	1	*
Boscombe Down	1025·0	+6	NE	4	bc	53	85	6	5	4	1	4-6	4-6	4000	0	*
Calshot (Sthmtn.)	1023·7	-2	NW	5	z₀	55	85	6	1	-	-	Tr	Tr	4000	0	1
Lympne ...	1022·2	0	N	4	z₀	51	92	5	5	3	-	9	9+	450	0	§2
Manston ...	1022·8	+6	NNW	3	z₀	50	92	5	5	-	-	9	9	1500	0	*
Shoeburyness ...	1023·1	+6	NE	3	c	53	85	6	5	-	-	7-8	7-8	5700	0	*
Felixstowe ...	1023·5	+12	N	3	z₀	51	85	6	-	9	-	0	4-6	-	0	2
Gorleston ...	1023·5	+4	NNW	3	c	51	85	6	5	7	-	4-6	9+	2500	0	2
Mildenhall ...	1024·0	+10	NW	3	c	53	85	7	5	4	-	9	9+	5700	1	*
Cranwell ...	1026·3	+14	NE	4	c	52	85	8	5	3	-	9	9+	1500	0	*
Birmingham ...	1026·4	+6	N	3	c	52	85	6	5	7	-	7-8	10	800	0	*
Upper Heyford	1025·6	+8	NNW	3	z₀	52	85	6	5	-	-	4-6	4-6	4000	0	*
Ross-on-Wye	1026·4	+4	N	3	c	52	85	8	5	-	-	10	10	1500	0	*
Hartland Point	1026·4	0	N	2	c	52	97	8	5	6	-	4-6	9	800	0	2
Bristol ...	1026·2	+2	N	3	bc	55	85	8	1	-	8	2-3	4-6	2500	0	*
Portland Bill ...	1024·9	+4	N	2	bc	57	85	8	1	-	-	4-6	4-6	2500	1	2
Plymouth ...	1025·9	+2	SW	2	c	55	92	8	5	3	-	2-3	7-8	4000	0	1
The Lizard ...	1027·3	+2	N	2	c	58	85	8	8	6	-	7-8	7-8	2500	0	1
Scilly (St. Mary's)	1027·2	-2	NW	2	cjf	53	97	8	5	3	-	4-6	7-8	2500	1	2
Guernsey ...	1024·6	-2	N	2	c	55	85	6	5	-	-	7-8	7-8	2500	0	1
Pembroke ...	1027·1	0	NE	3	c	54	92	7	5	2	-	9	10	1500	1	1
Holyhead ...	1027·9	+6	NW	4	c	48	92	8	5	-	-	10	10	800	0	2
Chester (Sealand)	1027·7	+4	NW	3	z₀	50	92	6	5	-	-	10	10	800	1	*
Manchester ...	1027·1	+8	NE	2	z₀	52	85	5	5	-	-	9+	9+	2500	1	*
Spurn Head ...	1025·6	+8	NE	5	c	50	85	7	5	4	-	7-8	10	2500	0	3
Catterick ...	1027·5	+6	NNE	3	c	49	85	7	5	-	-	10	10	1500	0	*
Tynemouth ...	1027·8	+8	N	4	c	48	85	8	5	-	-	9+	9+	2500	0	2
St. Abbs Head	1028·4	+10	N	2	c	46	97	9	5	2	-	7-8	10	1500	0	1
Leuchars ...	1028·7	+10	-	0	c	50	75	8	8	1	-	9	9+	2500	0	*
Renfrew (Abbotsl.)	1028·9	+2	-	0	bc/f	46	97	6	1	-	-	2-3	2-3	2500	0	*
Eskdalemuir ...	1028·5	+8	ENE	3	c	49	92	8	5	-	-	10	10	1500	1	*
Point of Ayre...	1028·2	+2	N	2	bc	49	92	8	5	-	6	Tr	2-3	1500	0	1
Tiree ...	1030·1	+8	NE	3	c	48	85	8	5	-	-	9	9	2500	0	2
Stornoway ...	1031·2	+12	N	2	c	47	75	8	5	7	-	4-6	10	2500	1	1
Dalwhinnie ...	*	+4	N	4	bc	47	65	8	4	6	-	2-3	4-6	4000	0	*
Aberdeen ...	1028·7	+10	N	3	c/d	47	85	7	6	7	-	7-8	9+	800	1	1
Wick ...	1029·1	+8	NNW	4	c	46	85	8	5	6	-	7-8	9+	1500	1	2
Lerwick ...	1026·3	+4	NW	4	c	45	85	8	8	2	-	4-6	10	800	0	*
Blacksod Point	1030·7	+8	W	2	0	51	97	8	5	-	-	10	10	800	0	2
Malin Head ...	1030·8	+4	N	2	c/d	47	97	5	5	-	-	9	9	2500	0	1
Aldergrove ...	1029·5	+6	NW	3	0	47	92	8	5	-	-	10	10	450	0	*
Birr Castle ...	1029·1	+4	WNW	1	c	50	97	7	5	-	-	10	10	2500	0	*
Valentia Obsy. †	1029·7	+2	-	0	b	57	92	8	5	3	-	Tr	1	450	0	2
Roches Point	1028·8	+2	NW	3	bc	56	97	8	5	3	-	2-3	4-6	1500	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 10th Hrs. (36)
London (Kew)	68	52	44	-	-	3·7
Croydon ...	68	52	44	-	-	4·3
S. Farnborough	71	50	43	-	-	7·0
Boscombe Down	68	51	47	-	-	7·9
Calshot (Sthmtn.)	70	50	47	-	-	7·7
Lympne ...	69	48	40	-	-	11·1
Manston ...	59	46	41	-	-	10·8
Shoeburyness ...	60	48	37	-	-	8·1
Felixstowe ...	58	46	39	-	-	11·2
Gorleston ...	54	49	46	-	-	8·2
Mildenhall ...	69	49	46	-	-	7·8
Cranwell ...	71	47	45	-	-	5·9
Birmingham ...	67	49	45	-	-	8·3
Upper Heyford	69	48	44	-	-	*
Ross-on-Wye	70	52	44	-	-	12·6
Hartland Point	54	49	47	Tr	-	0·3
Bristol ...	68	50	43	-	-	10·5
Portland Bill ...	65	54	*	-	-	*
Plymouth ...	67	51	49	-	-	12·7
The Lizard ...	67	49	*	-	-	11·5
Scilly (St. Mary's)	56	49	*	-	Tr	0·3
Guernsey ...	58	50	49	-	-	8·8
Pembroke ...	59	50	*	-	-	5·5
Holyhead ...	61	47	45	-	-	5·2
Chester (Sealand)	61	49	49	-	Tr	7·9
Manchester ...	62	47	43	-	-	5·1
Spurn Head ...	58	48	*	-	Tr	9·5
Catterick ...	71	48	41	-	-	10·4
Tynemouth ...	68	48	47	-	-	8·3
St. Abbs Head	59	46	*	Tr	-	*
Leuchars ...	65	47	38	-	-	9·8
Renfrew (Abbotsl.)	62	41	39	-	-	8·8
Eskdalemuir ...	66	49	37	-	-	11·6
Point of Ayre...	62	47	*	-	-	5·5
Tiree ...	55	46	44	Tr	-	0·8
Stornoway ...	54	46	*	Tr	0·1	2·3
Dalwhinnie ...	57	43	30	-	-	6·7
Aberdeen ...	62	46	45	-	Tr	4·2
Wick ...	56	45	*	2	Tr	*
Lerwick ...	55	43	*	0·5	-	1·7
Blacksod Point	57	48	*	-	Tr	*
Malin Head ...	54	46	*	Tr	1	0·0
Aldergrove ...	62	47	47	-	Tr	1·1
Birr Castle ...	68	50	48	-	-	2·7
Valentia Obsy. †	61	51	46	-	Tr	11·1
Roches Point	62	54		-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	bm₀wcz₀	cycz₀ycz	ywbm₀	68	52	44	-	-	3·7	*	*	6
Croydon ...	217	bccz₀⊕	cz₀⊕	cbz₀cm₀	68	52	44	-	-	4·3	*	*	7
Greenwich (Royal Observatory)...	149	cy	cy	d₀cbcb	68	51	44	-	Tr	2·2	56	57	
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	3·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	53	46	-	-	1·8	62	65	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	*	*	*	*	*	2·2	*	*	*
Camden Square ...	110	0	c	*	70	52	47	-	-	*	*	59	*
Kensington ...	80	bc	bc	*	70	52	46	-	-	1·9	At 18h 60	61	*
Hampstead Observatory ...	450	bcm	bc	bc	67	49	48	-	-	4·7	*	69	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	9-11h 10th	<0·3	21-23h 10th

Kew Observatory. Max.	Time.	Min.	Time.
0·3	10h 10th	<0·1	17h 10th

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris ...	1021·8	NNE	3	c	64
Brussels ...	1021·0	NE	2	bc	55
Berlin ...	1022·1	ENE	3	c	52
Zurich ...	1018·2	SSE	1	c	54
Rome ...	1015·1	WSW	2	c	61

7h. G.M.T. 11th May.

Stations	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 ...	1022·3	NNE	2	c	50	66	46	-	-
Brussels ...	1021·5	N	3	o	43	64	37	-	-
Berlin ...	1019·5	E	2	z₀	48	54	48	0·3	-
Zurich ...	1018·2	NW	1	m	50	59	46	-	Tr
Rome ...	1015·0	SE	1	o	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 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	1½ 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, KINGSWAY, LONDON W.C.2

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W.T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 l. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 12th May, 1939,
No. 28295

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1025.9	+6	N'E	5	c	56	65	8	7	–	–	10	10	1500
	Croydon ...	1024.8	+6	N'E	5	c	57	65	7	4	–	–	9+	9+	4000
	S. Farnborough	1025.9	+10	NNE	4	c	59	65	8	7	–	–	9+	9+	4000
	Boscombe Down	1025.7	+6	NNE	4	c	56	65	8	8	–	–	9	9	2500
	Calshot (Soton.)	1024.2	+2	N'E	4	c	64	55	8	8	–	–	9	9	2500
	Lympne ...	1023.8	+4	NNE	4	c	55	65	8	8	6	–	7-8	7-8	2500
	Manston ...	1024.2	+2	N'E	5	c	52	85	6	5	–	–	9+	9+	2500
2	Shoeburyness ...	1024.3	0	N'W	3	c	58	65	8	7	–	–	9	9	2500
	Felixstowe ...	1024.2	+4	N	5	c	57	65	8	8	6	–	7-8	7-8	2500
	Gorleston ...	1023.9	0	N'W	5	c	50	85	7	5	–	–	10	10	2500
	Mildenhall ...	1025.4	0	N'W	4	c	52	75	8	5	2	–	9	10	1500
	Cranwell ...	1026.8	–6	N'W	5	c	53	65	8	5	–	–	9+	9+	2500
3	Birmingham ...	1027.0	0	NNE	3	c	54	65	7	5	–	–	10	10	1500
	Upper Heyford	1026.5	+6	N	3	c	54	65	8	5	–	–	10	10	2500
4	Ross-on-Wye ...	1026.2	–4	NE	3	c	60	65	6	5	–	–	9+	9+	2500
5	Hartland Point	1026.2	–2	N	2	bc	53	85	8	1	–	1	Tr	2-3	2500
	Bristol ...	1026.2	–2	NE'N	3	c	61	65	7	7	–	–	7-8	7-8	2500
	Portland Bill ...	1024.4	+2	NE	2	c	62	85	8	5	4	–	4-6	9	2500
	Plymouth ...	1025.0	–6	SSE	3	c	62	65	8	2	–	1	7-8	9	4000
	The Lizard ...	1025.4	–4	NNW	5	bc	63	65	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1026.9	–4	NE'N	5	c	58	92	7	5	4	–	4-6	7-8	1500
	Guernsey ...	1024.5	0	N	4	b	59	75	7	–	–	8	0	1	–
6	Pembroke ...	1027.2	–4	NNE	4	bc	57	75	7	7	6	1	2-3	4-6	2500
7	Holyhead ...	1028.3	0	NNW	2	bc	53	85	8	5	4	–	4-6	4-6	4000
	Chester (Sealand)	1027.6	–6	NW'N	2	z₀	57	55	6	5	–	–	9+	9+	2500
8	Manchester ...	1027.5	–2	NE	3	c	58	65	7	7	3	–	7-8	9+	4000
10	Spurn Head ...	1026.5	0	N	6	id₀	49	85	9	5	–	–	10	10	800
	Catterick ...	1028.5	+2	N'E	4	z₀	51	75	6	5	–	–	9+	9+	1500
	Tynemouth ...	1028.6	+6	N	4	bc	47	85	8	2	4	1	2-3	4-6	2500
11	St. Abbs Head...	1027.9	0	N	2	c	49	75	8	7	4	9	4-6	7-8	2500
	Leuchars ...	1029.4	0	ESE	3	bc	53	75	8	8	6	–	2-3	4-6	4000
12	Renfrew (Abbotsl.)	1028.4	–6	NW	1	bc	64	55	9	7	–	–	4-6	4-6	4000
	Eskdalemuir ...	1028.1	–2	NE'E	3	c	56	65	8	5	–	–	7-8	7-8	1500
	Point of Ayre ...	1028.6	0	NNW	2	bc	57	85	8	2	3	–	Tr	4-6	2500
13A	Tiree ...	1030.9	+4	N'W	4	bc	52	75	8	5	4	5	Tr	2-3	4000
13B	Stornoway ...	1032.5	+2	NW	3	c	52	65	8	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	1030.6	0	NNE	4	bc	55	55	8	–	4	–	0	4-6	–
	Aberdeen ...	1029.3	0	N'W	4	c	52	65	8	5	–	–	9	9	2500
	Wick ...	1029.9	+4	N	6	c	49	65	8	5	7	–	7-8	9+	1500
16	Lerwick...	1026.5	0	NNW	5	c/d	46	85	8	8	7	–	4-6	10	800
17	Blacksod Point...	1031.6	+2	N	3	bc	56	85	8	2	–	–	4-6	4-6	1500
18	Malin Head ...	1031.9	+6	N	2	c	49	85	8	5	–	–	7-8	7-8	1500
	Aldergrove ...	1029.9	–2	N'W	4	c	53	75	8	5	–	–	9	9	1500
19	Birr Castle ...	1029.2	–4	NW	1	c	61	75	7	4	–	–	7-8	7-8	2500
20	Valentia Obsy.†	1029.8	–2	NW	4	b	62	85	9	1	4	–	1	1	2500
	Roches Point ...	1028.5	–2	N	3	bc	65	85	9	2	–	–	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1025.4	+2	NNE	2	c	52	75	6	5	2	–	7-8	10	1500	0	*
Croydon	1025.4	+6	N	4	z₀	51	85	6	5	–	–	9+	10	2500	0	*
S. Farnborough	1025.4	–6	N'E	3	c	53	65	8	5	–	–	9+	9+	2500	0	*
Boscombe Down	1025.9	0	NE'N	3	bc	54	75	7	7	6	–	Tr	2-3	2500	0	*
Calshot (Soton.)	1025.1	+4	N'E	4	c	55	65	8	5	1	–	9	10	2500	0	2
Lympne	1023.8	+4	N'W	4	c	50	75	9	5	–	–	9+	9+	4000	0	§3
Manston	1023.8	–4	N'W	4	c	50	85	7	5	–	–	9+	9+	1500	0	*
Shoeburyness	1024.4	0	N	3	c/r	51	85	8	5	–	–	10	10	1500	0	*
Felixstowe	1024.4	+2	NNE	5	o	50	75	8	5	–	–	10	10	1500	0	3
Gorleston	1023.3	–4	N'W	5	c/pr	50	85	6	8	–	–	10	10	2500	0	3
Mildenhall	1025.6	0	N'W	4	c	48	75	8	5	–	–	9+	9+	1500	0	*
Cranwell	1026.7	–2	N	4	c	50	65	7	5	3	–	7-8	7-8	4000	0	*
Birmingham	1026.8	–2	NNE	3	c	54	65	6	6	7	–	7-8	9	2500	0	*
Upper Heyford	1026.6	–2	NE'N	4	c	53	65	7	5	3	–	4-6	9	2500	1	*
Ross-on-Wye	1026.0	0	NE'E	3	z₀	57	65	6	5	–	–	9+	9+	2500	0	*
Hartland Point	1025.6	–4	N	1	b	55	85	8	–	–	1	0		–	0	2 *
Bristol	1026.2	0	NNE	3	b	57	65	7	1	–	–	1	1	4000	0	
Portland Bill	1024.6	+2	NE	3	bc	60	85	7	5	–	–	4-6	4-6	2500	1	2
Plymouth	1025.0	–2	SSW	1	bc	59	75	7	8	–	–	4-6	4-6	2500	0	1
The Lizard	1025.3	–4	N'W	3	bc	60	75	8	8	4	–	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1026.5	–2	ESE	5	c	53	97	7	5	–	–	9+	9+	1500	0	2
Guernsey	1024.2	0	N'E	4	bc	58	75	7	1	7	8	2-3	4-6	2500	0	3
Pembroke	1026.9	–2	NNE	5	bc	54	85	7	5	4	–	2-3	2-3	2500	0	2
Holyhead	1028.0	–2	NW'N	3	b	51	85	8	1	–	5	Tr	Tr	2500	0	1
Chester (Sealand)	1027.6	0	NW	4	bc	55	85	7	8	–	–	4-6	4-6	2500	0	*
Manchester	1027.2	–2	NE	3	z₀	57	55	6	7	–	1	4-6	4-6	4000	1	*
Spurn Head	1025.8	0	N'W	6	bc	50	75	6	9	4	–	2-3	4-6	1500	0	3
Catterick	1028.2	–2	N'E	4	c	49	65	5	5	3	–	4-6	7-8	2500	0	*
Tynemouth	1028.0	–4	N	4	bc	48	75	8	2	4	–	2-3	4-6	2500	0	2
St. Abbs Head	1028.7	–4	NNE	3	bc	48	75	8	1	4	–	2-3	2-3	2500	0	2
Leuchars	1028.5	–2	SE	3	b	53	75	8	7	–	–	1	1	4000	0	*
Renfrew (Abbotsl.)	1027.5	–2	NE'E	3	b	65	35	9	1	–	6	Tr	1	4000	0	*
Eskdalemuir	1027.3	–2	ENE	3	bc	55	65	8	8	–	5	2-3	2-3	2500	0	*
Point of Ayre	1028.3	–2	NW'W	3	b	54	85	8	4	–	5	Tr	1	2500	0	2
Tiree	1030.8	0	N	4	b	50	85	8	1	4	[illegible]	Tr	1	4000	0	3
Stornoway	1033.4	+8	N	3	c	48	75	8	5:	7:	–	4-6	10	2500	1	2
Dalwhinnie	1028.2	0	NNE	5	bc	53	55	8	–	4	1	0	2-3	–	0	*
Aberdeen	1029.1	+2	N'W	5	c	48	65	8	5	–	–	9	9	2500	0	2
Wick	1029.8	0	NNW	6	c	47	75	8	5	–	–	9+	9+	1600	1	2
Lerwick	1026.7	+2	N	5	id₀	45	85	6	8	2	–	4-6	10	800	1	*
Blacksod Point	1031.9	+2	N	4	c	52	92	9	5	–	–	7-8	7-8	1500	0	3
Malin Head	1031.7	0	N	3	bc	50	85	8	8	4	1	2-3	4-6	1500	0	2
Aldergrove	1029.3	+4	N	4	bc	53	65	8	5	–	6	1	4-6	2500	0	*
Birr Castle	1028.3	–4	NNW	1	bc	65	55	8	–	4	–	0	2-3	–	0	*
Valentia Obsy.†	1029.4	–2	NNW	4	b	62	85	9	1	–	5	Tr	1	2500	0	2
Roches Point	1028.5	0	SSE	2	bc	58	85	9	2	4	–	2-3	2-3	2500	0	1

PAST 24 HOURS. — WEATHER.

Stations	7h.–13h. 11th (37)	13h.–18h. 11th (38)	18h. 11th to 1h. 12th (39)	1h.–7h. 12th (40)
London (Kew)	bcm₀bcc	cz₀	cz₀bcb	bcc
Croydon	cbcm₀c	cz₀	cm₀bcz₀	c
S. Farnborough	cm₀bcyc	c	cbc	bcc
Boscombe Down	bcm₀c	cbcbbc	bcb	bbcc
Calshot (Soton.)	bm₀bcy	cyc	cybm₀	bccir₀
Lympne	cm₀bcy	cbcc	crd₀d₀m₀c	d₀d₀r₀r₀
Manston	bcyc	cbcc	cd₀d₀d₀q	cir₀m₀pr
Shoeburyness	cm₀b,c	cr₀vc	cir₀cq	cq pr
Felixstowe	bcm₀bc	co	oid₀o	cpr₀c
Gorleston	cbccq	cpr₀q	opr₀q	oprq
Mildenhall	cbcc	cbccr	ocd₀d₀	errm₀p
Cranwell	c	cbc	bc	cir₀cd₀d₀
Birmingham	c	cbcc	cbc	bc₁₀
Upper Heyford	bcm₀c	c	bcbbc	cm₀
Ross-on-Wye	ccz₀	ccz₀	cz₀bcz	bbcc
Hartland Point	cbc	bc	bcc	cbc
Bristol	bbcbcz₀	bccbcb	bbccm₀	cir₀m₀
Portland Bill	bcc	cbc	b	bc
Plymouth	bcc	cbc	bccm₀	cbcwm₀
The Lizard	bc	bc	bc	bcczw
Scilly (St. Mary's)	cbcc	cbcc	cbcbw	bbcc
Guernsey	cbcb	bbc	bcb	bbc
Pembroke	cbc	bc	bc	bccq
Holyhead	c,bc	bcb	bwbc	bc,b
Chester (Sealand)	cm₀	cz₀bc	bcwm₀	bcwm₀z₀
Manchester	cm₀z₀c	cy	cybcz₀cz₀	bcm₀cz₀pr
Spurn Head	pridc	id₀eq	pr₀qd	ddirc
Catterick	ccz₀	ccz₀c	c	pr₀prc
Tynemouth	cbc	bc	bcp₀o	oir₀c
St. Abbs Head	c	bcb	cqrr	ircq
Leuchars	cwcbc	b	bbccw	cw
Renfrew (Abbotsl.)	bwm₀bcy	bcby	b	bbccwc
Eskdalemuir	cwc	cbc	bcb	bbccpr₀
Point of Ayre	bccbc	cbc	bw	bcc
Tiree	cbc	bc	bcb	bbc
Stornoway	c	c	c	c
Dalwhinnie	bc	bc	•	bcc
Aberdeen	c	c	cr₀r₀ir₀	cir₀
Wick	c	c	cpr₀c	pr₀d₀
Lerwick	cid₀	cid₀m₀	cid₀m₀	cid₀
Blacksod Point	cbc	cbc	c	cbc
Malin Head	c	cbc	bcc	cbc
Aldergrove	oc	cbbc	bcw	bcwb
Birr Castle	c	cbc	bc	bcb
Valentia Obsy.†	bbcb	b	b	bbcy
Roches Point	bc	bc	coffe	ffebc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⚑ gale.
⊕ Solar halo. ◐ lunar halo. ⌂ Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

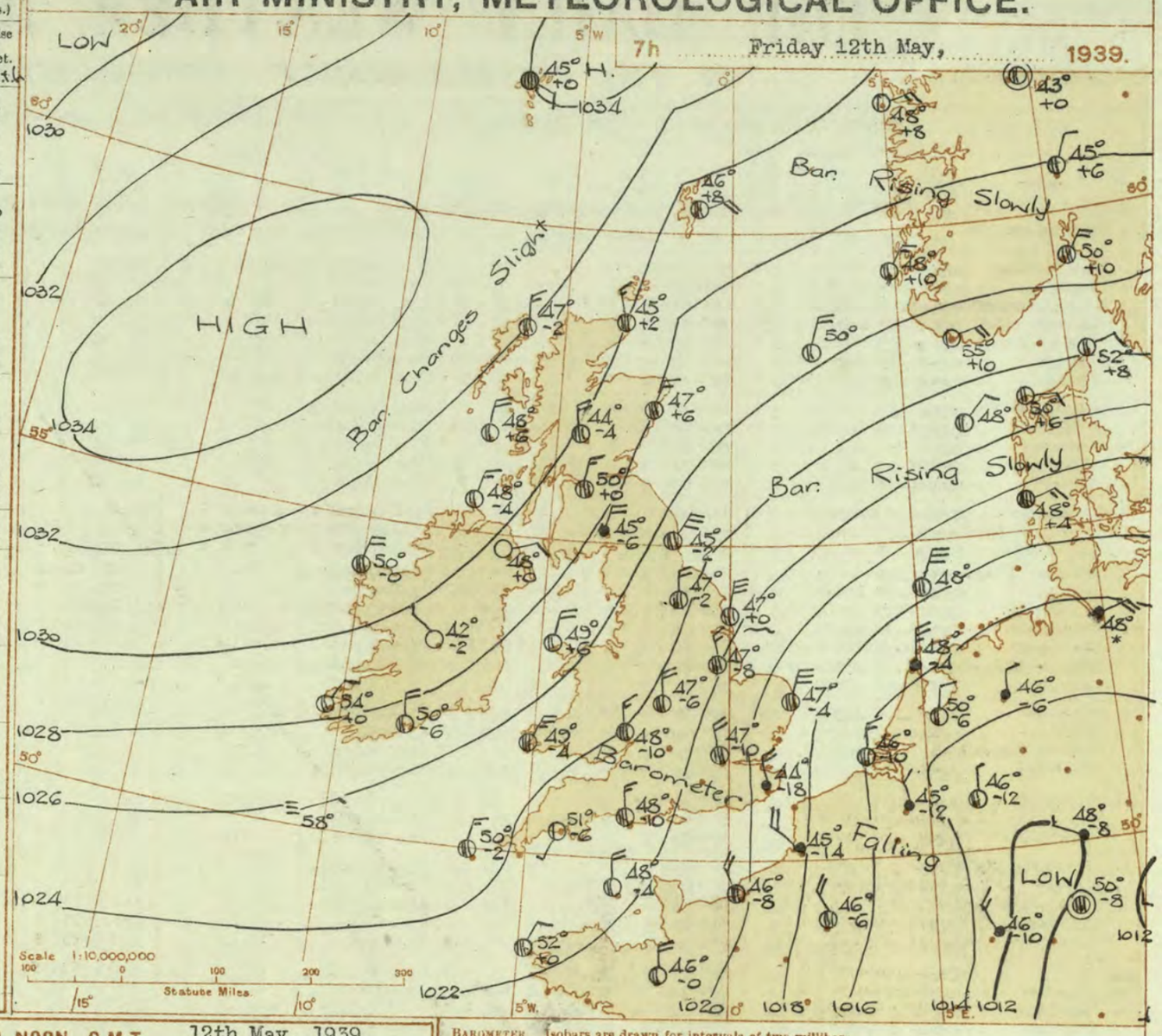
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 11th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 10th to 9h. 11th	Temperature. (°F) Max. 9h.—17h. 11th	Rainfall. (mm.) Night. 17h. 10th to 9h. 11th	Rainfall. (mm.) Day. 9h.—17h. 11th	Sunshine. (Hrs.) Sunrise to 17h. 11th	Sunshine. (Hrs.) Sunrise to Sunset. 10th
1	Tunbridge W.	b	bbcco	48	63	–	–	8.6	4.9
	Bournemouth	b	b	53	66	–	–	10.0	12.2
	Ventnor ...	bbcz	cbcu	53	64	–	–	10.3	7.8
	Southsea ...	bbc	cvc	52	66	–	–	7.8	8.5
	Bognor Regis	b	bbcco	51	64	–	–	9.2	5.6
	Littlehampton	b	bbcc	51	66	–	–	10.9	8.1
	Worthing ...	b	b	51	65	–	–	11.4	6.0
	Brighton ...	bc	bc	52	66	–	–	9.9	5.4
	Eastbourne† ...	bcybc	bcyc	52	63	–	–	7.5	7.8
	Hastings† ...	bbc	cbcc	50	64	–	–	8.1	9.6
	Folkestone ...	bc	bcc	47	62	–	–	6.1	10.5
	Dover ...	bc	bccbc	45	62	–	–	6.9	11.0
	Deal	cbcb	cbcc	45	59	–	–	5.8	*
	Ramsgate ...	cbc	bcc	46	57	–	–	6.3	11.0
	Margate ...	bc	bcc	49	55	–	–	5.6	11.4
2	Southend ...	bbcc	cbco	50	63	–	–	6.4	8.6
	Clacton-on-Sea	bcc	cbcc	46	60	–	–	4.6	9.8
	Dovercourt ...	bcbz	bcc	46	59	–	–	5.3	12.2
	Lowestoft ...	bcc	cprcr	48	56	–	Trace	3.2	9.1
	Skegness ...	ocbco	bcocb	46	53	–	–	2.9	7.5
	Mablethorpe...	ocbc	cobcc	45	55	Trace	–	1.2	8.6
	Cleethorpes ...	bccd.	cbccv	49	51	–	Trace	0.9	8.5
3	Leamington S.	cbc	c	50	57	–	–	3.7	6.1
4	Cheltenham†	bczc	bcc	51	65	–	–	5.0	9.7
5	Bath	bbc	bccbc	54	64	–	–	8.4	10.7
	Weymouth ...	b	cb	53	66	–	–	9.4	12.3
	Jersey ...	b	bc	54	64	–	–	10.0	7.7
	Torquay ...	bcb	bcy	54	68	–	–	11.5	12.9
	Falmouth ...	b	b	50	63	–	–	8.9	9.9
	Penzance ...	bbc	bcb	51	65	–	–	9.0	7.2
	St. Ives ...								
	Bude... ...	cobcb	b	44	62	–	–	7.9	0.0
	Ilfracombe ...	bcbbc	bcb	50	60	–	–	9.6	5.2
6	Aberystwyth	bcc	bcc	50	57	–	–	9.3	3.9
7	Llandudno ...	ocbc	bcb	48	56	Trace	–	6.3	5.0
	Colwyn Bay...	ocbcb	bcb	48	57	0.5	–	6.4	4.9
	Rhyl	cbc	cbc	48	58	–	–	5.1	6.2
8	Wallasey ...	c	bccbc	49	58	–	–	2.0	2.4
	Southport ...	bcze	cbcz	47	60	–	–	4.3	2.5
	Blackpool ...	cbc	bc	47	59	–	–	5.8	3.8
	Morecambe ...	bbc	bcb	48	60	–	–	4.8	5.0
9	Ilkley... ...	c	cbc	47	55	–	–	1.6	8.0
	Harrogate ...	c	cb	47	52	–	–	1.7	9.3
10	Berwick-on-T.	cbc	bcb	47	51	–	–	5.6	9.7
11	Dunbar ...	cm.	bc	47	52	–	–	5.7	8.2
12	Troon... ...	ocbcb	bcb	42	53	–	–	8.2	8.3
	Douglas ...	b	bc	51	60	–	–	7.4	7.3

† Max. Temp. for period 21h. yesterday to 17h. today: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate to fresh northeast wind, strong locally on coasts; bright intervals, showers; cool.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate northeast wind; bright periods, local showers; cool.
10 N.E. England 11 S.E. Scotland	Moderate to fresh northeast wind; bright periods, local showers; cool.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate northeast wind; bright periods, local showers; cool.

GENERAL INFERENCE.

An elongated anticyclone extends from off Northwest Ireland to Northern Scandinavia, and pressure is low over Central Europe. There will be showers in most districts but also bright intervals.

FURTHER OUTLOOK.

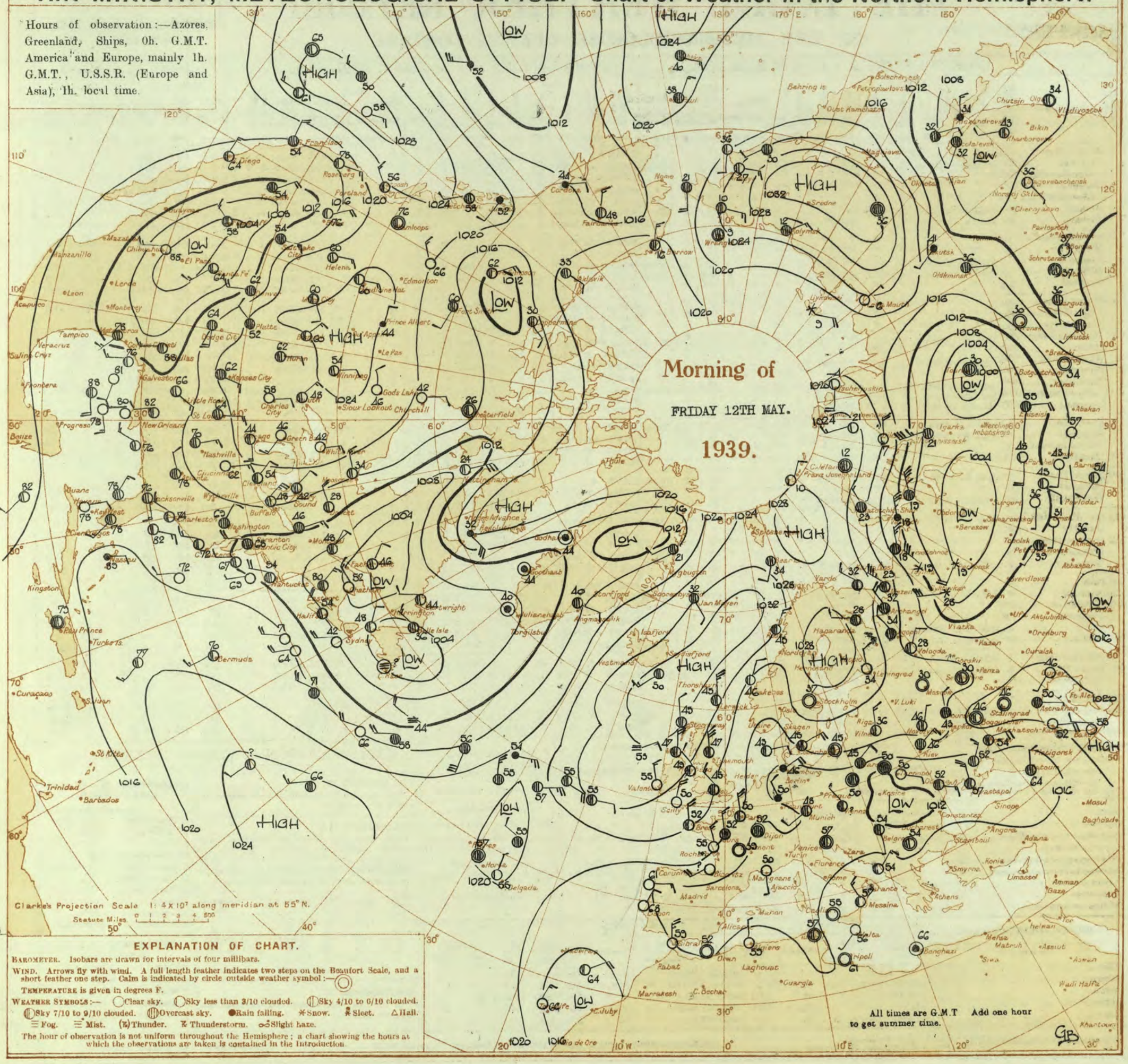
Fair in the North; rather unsettled in the South.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.
G.466/3684.Wt.8103.D.4526.Gp.948.35840.5/39

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 12th May, 1939.
No. 28295

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1024·2	-14	NNW	3	c	45	75	7	5	-	-	9	9	4000
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1022·6	-16	N'W	3	c	45	65	7	5	-	-	10	10	2500
	Manston ...	154	1022·0	-20	NNW	4	c	46	75	7	5	-	-	10	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1021·1	-20	NNW	5	pr	46	85	8	6	-	-	10	10	2500
	Mildenhall ...	19	1023·1	-20	NW	4	fr	45	85	7	6	-	-	10	10	1500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1024·8	-12	ENE	3	c	52	75	8	5	2	-	4-6	7-8	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1024·8	-8	ENE	2	b	47	85	8	—	—	—	0	0	—
	Plymouth ...	82														
	The Lizard ...	240														
	Scilly (St. Mary's)	163	1025·2	-4	ENE	2	bc	53	92	8	8	6	-	4-6	4-6	2500
	Guernsey ...	175	1025·6	-12	N'E	4	b	50	97	7	-	-	-	0	0	—
			1024·3	-8	NE'E	3	b	49	85	7	-	-	-	0	0	—
6	Pembroke ...	142	1027·1	-2	NE'N	3	bc	49	92	7	5	4	-	2-3	2-3	2500
7	Holyhead ...	26	1026·5	-12	NW'N	2	bc	49	85	8	—	—	6	0	4-6	—
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1023·4	-20	N	7	d	47	85	7	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1026·1	-12	N	6	o/pr	47	85	7	6	-	-	10	10	1500
11	St. Abbs Head	280	1027·5	-10	N	6	rr	44	92	8	3	2	-	7-8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1027·5	-2	E	3	b	46	85	8	—	—	—	0	0	—
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1033·0	-2	NNW	2	c	45	85	7	5	7	-	4-6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1030·2	0	NNW	5	c	45	85	7	5	2	-	9	10	1500
16	Lerwick ...	156	1028·6	0	N	5	c/d	45	97	6	6	2	-	7-8	10	800
17	Blacksod Point	18	1031·6	-6	NE	4	c	50	85	8	5	-	-	7-8	7-8	1500
18	Malin Head ...	84	1031·2	-4	N	4	c	47	85	7	8	-	-	7-8	7-8	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·2	-10	NNW	3	b	55	92	8	-	-	-	0	0	—
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. ·mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	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)
London (Kew)	1020·7	-10	NNW	4	c	47	75	7	5	-	-	9+	9+	1500	0	*
Croydon ...	1021·1	-10	N'W	4	c	47	75	7	5	-	-	9+	9+	2500	0	*
S. Farnborough	1021·6	-12	NNW	4	c	47	75	7	7	-	-	10	10	2500	0	*
Boscombe Down	1022·9	-10	N	4	c	46	75	7	5	-	-	10	10	1500	0	*
Calshot (Sthmtn.)	1022·1	-12	NNW	4	c/r	48	75	7	5	-	-	9+	9+	2500	0	1
Lympne ...	1016·8	-18	NNW	4	fr	44	92	6	5	-	-	10	10	800	1	§2
Manston ...	1018·1	-20	NW'N	5	pr	46	75	7	5	-	-	10	10	800	1	*
Shoeburyness ...	1010·2	-14	N'W	4	pr	46	85	8	9	-	-	9+	9+	1500	1	*
Felixstowe ...	1010·2	-10	N	5	c/pr	46	85	7	5	3	-	7-8	9+	2500	0	3
Gorleston ...	1018·2	-4	N'E	6	o	47	85	6	6	-	-	10	10	1500	1	3
Mildenhall ...	1020·3	-6	N'W	5	c/pr	47	85	7	8	3	-	9	9+	1500	1	*
Cranwell ...	1022·5	-8	NNW	3	c/d	47	75	6	5	3	-	7-8	7-8	1500	1	*
Birmingham ...	1024·0	-6	N	4	c	47	75	6	7	4	-	4-6	7-8	1500	0	*
Upper Heyford	1022·9	-10	NNW	4	2o	46	75	6	5	3	-	7-8	9	1500	1	*
Ross-on-Wye	1024·1	-10	N	3	c	48	65	7	7	7	-	7-8	9	2500	0	*
Hartland Point	1023·3	-10	SSW	3	bc	51	85	7	5	-	-	4-6	4-6	1500	0	2
Bristol ...	1024·0	-10	N'W	2	fr	46	85	6	5	2	-	9	10	2500	0	*
Portland Bill ...	1022·4	-10	N	3	c	48	85	7	5	-	-	10	10	2500	1	3
Plymouth ...	1023·9	-6	SW	1	2o	51	75	6	-	4	-	0	1	-	0	1
The Lizard ...	1024·1	-4	-	0	c	52	92	7	8	-	-	9	9	1500	0	1
Scilly (St. Mary's)	1024·4	-2	NNE	3	c	50	97	6	5	-	-	10	10	2500	0	2
Guernsey ...	1022·7	-4	N	4	bc	48	75	7	-	3	-	0	4-6	-	1	2
Pembroke ...	1024·7	-4	NE'N	5	cq	49	92	7	8	-	-	7-8	7-8	1500	1	1
Holyhead ...	1026·5	+6	NNE	4	bc	49	85	8	2	3	4	1	2-3	2500	0	1
Chester (Sealand)	1025·8	-2	N'W	3	2o	49	75	6	5	-	-	7-8	7-8	4000	0	*
Manchester ...	1025·3	-4	N'E	3	c/pr	47	75	6	8	3	-	7-8	9+	2500	1	*
Spurn Head ...	1021·7	0	N'E	6	c	47	85	6	5	-	-	10	10	1500	0	4
Catterick ...	1025·2	-2	N	4	c/pr	47	85	7	8	-	-	9+	9+	800	1	*
Tynemouth ...	1025·3	-2	NE	6	c/r	45	92	8	5	-	-	9	9	2500	1	3
St. Abbs Head	1027·5	+8	NNE	6	cq	45	92	8	3	2	-	2-3	9+	800	0	4
Leuchars ...	1028·7	+6	NNE	2	c	48	85	8	5	7	-	7-8	9+	4000	0	*
Renfrew (Abbots I.)	1029·0	0	N'E	3	c	50	65	9	5	-	-	9+	9+	2500	0	*
Eskdalemuir ...	1027·0	-6	NNE	4	pr	45	85	7	5	-	-	10	10	800	1	*
Point of Ayre ...	1027·7	-2	NE'N	4	c	49	85	8	-	4	-	0	9	-	0	2
Tiree ...	1030·4	+6	N'E	4	bc	48	75	8	2	4	1	1	2-3	4000	0	3
Stornoway ...	1032·0	-2	N	3	c	47	75	8	5	7	-	4-6	10	2500	1	2
Dalwhinnie ...	1029·9	-4	N	4	c	44	75	8	4	2	-	4-6	10	2500	0	*
Aberdeen ...	1028·5	+6	NNE	3	c/r	47	92	6	6	7	-	9	10	800	1	2
Wick ...	1030·0	+2	NNW	3	c/d	45	92	8	5	7	-	9	9+	1500	1	2
Lerwick ...	1029·4	+8	ENE	4	c	46	92	5	5	7	-	4-6	9+	450	1	*
Blacksod Point	1030·0	0	NNE	4	c	50	85	8	5	-	-	7-8	7-8	2500	0	3
Malin Head ...	1030·4	-4	NNE	3	bc	48	85	8	7	4	-	4-6	4-6	5700	0	2
Aldergrove ...	1028·9	0	E'N	2	b	48	75	7	5	-	-	Tr	Tr	1500	0	*
Birr Castle ...	1028·9	-2	NW	1	b	42	97	7	-	-	-	0	0	-	0	*
Valentia Obsy. †	1028·1	0	NE'E	2	bc	54	55	9	-	-	6	0	2-3	-	0	1
Roches Point	1026·7	-6	N	4	bc	50	85	8	-	4	-	0	2-3	-	0	1

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 (4th HRS.) (36)
London (Kew)	60	43	36	-	-	4·7
Croydon ...	61	44	41	-	-	3·7
S. Farnborough	62	40	35	-	-	5·1
Boscombe Down	62	39	35	-	-	10·3
Calshot (Sthmtn.)	66	44	40	-	Tr	8·1
Lympne ...	59	42	41	-	1	4·5
Manston ...	57	44	44	-	0·3	5·3
Shoeburyness ...	63	45	43	Tr	0·4	5·6
Felixstowe ...	60	45	41	-	0·4	6·0
Gorleston ...	54	44	43	Tr	4	1·2
Mildenhall ...	57	43	42	-	5	2·3
Cranwell ...	54	41	38	-	2	0·9
Birmingham ...	56	45	41	-	Tr	1·9
Upper Heyford	57	43	35	-	-	*
Ross-on-Wye	60	46	35	-	-	3·6
Hartland Point	55	49	47	-	-	9·6
Bristol ...	63	43	35	-	Tr	8·4
Portland Bill ...	63	45	*	-	-	*
Plymouth ...	65	50	47	-	-	6·7
The Lizard ...	65	50	*	-	-	12·9
Scilly (St. Mary's)	60	49	*	-	-	9·2
Guernsey ...	58	45	43	-	-	12·1
Pembroke ...	58	46	*	-	-	9·3
Holyhead ...	54	47	43	-	-	8·5
Chester (Sealand)	53	45	41	-	-	4·4
Manchester ...	59	45	39	-	Tr	4·1
Spurn Head ...	51	45	*	Tr	0·2	3·3
Catterick ...	52	41	41	-	0·4	1·3
Tynemouth ...	50	45	44	-	0·3	7·0
St. Abbs Head	50	43	*	-	0·1	*
Leuchars ...	56	45	35	-	-	8·4
Renfrew (Abbots I.)	68	43	37	-	-	11·9
Eskdalemuir ...	61	37	34	-	0·2	7·7
Point of Ayre ...	58	46	*	-	-	9·7
Tiree ...	53	45	42	-	-	8·7
Stornoway ...	52	45	*	-	-	2·6
Dalwhinnie ...	59	41	38	-	-	11·8
Aberdeen ...	53	44	43	-	1	5·0
Wick ...	50	44	*	-	Tr	*
Lerwick ...	48	45	*	Tr	0·2	0·1
Blacksod Point	58	47	*	-	-	*
Malin Head ...	50	45	*	Tr	-	2·7
Aldergrove ...	55	40	35	-	-	6·6
Birr Castle ...	67	38	31	-	-	8·4
Valentia Obsy. †	69	51	42	-	Tr	14·5
Roches Point	66	49	*	-	0·1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	bcmobcc	czo	czobccb	60	43	36	-	-	4·7	•	•	7
CROYDON ...	217	cbcmoc	czo	cmobczo	61	44	41	-	-	3·7	•	•	6
GREENWICH (Royal Observatory) ...	149	bc	c	cbc	62	44	38	-	-	4·5	66	72	6
CITY (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	5·2	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	63	45	39	—		5·0	70	73	•
REGENTS PK. (Botanic Gardens)‡ ...	168	•	•	•	62	43	38	Tr	0·2	4·8	68	77	•
CAMDEN SQUARE ...	110	bc	c	•	63	44	39	-	Tr	*	Rish	65	•
KENSINGTON ...	80	bc	c	•	62	44	40	-	0·2	4·3	79	83	•
HAMPSTEAD OBSERVATORY ...	450	bcop	or	bc	59	41	39	0·2	Tr	5·0	•	73	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 12th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
<0·3	whole period		

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·1	20h 11h	<0·1	4-5h 12h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 11th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 12th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
PARIS ...						1017·4	NNW	4	c/rs	46		46		Tr
BRUSSELS ...	1020·1	NNW	5	c	52	1015·0	NNW	2	fr	45	66	43	-	6
BERLIN ...	1016·3	N	1	m	54	1015·3	E	3	b	52	59	52	Tr	Tr
ZÜRICH ...	1017·1	W	1	rr	50	1011·6	SSE	2	rr	46	59	46	7	9
ROME ...	1015·7	SSW	2	bc	61	1014·0	SE	1	c	55	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 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 13th May, 1959.
No. 28296

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	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)...	1019·8	-4	N	4	c	51	75	7	7	-	-	9+	9+	1500
	Croydon ...	1020·1	-2	N	4	pr	50	75	6	9	-	-	9+	9+	1500
	S. Farnborough	1020·5	-6	N'W	4	c/r	49	85	8	7	-	-	10	10	2500
	Boscombe Down	1020·7	-10	NNE	5	c	53	65	7	8	3	-	7-8	7-8	2500
	Calshot (Soton.)	1020·1	-2	N	5	c	53	55	8	7	3	-	9	9	2500
	Lympne ...	1017·6	-2	N'E	5	c/pr	47	85	7	8	-	-	4-6	7-8	1500
	Manston ...	1017·6	-2	N	6	c	52	75	6	5	3	-	2-3	9	2500
2	Shoeburyness ...	1018·5	-4	N	4	c	50	75	8	5	-	-	10	10	1500
	Felixstowe ...	1018·5	-4	NNE	5	c/d	49	85	7	5	2	-	9	10	1500
	Gorleston ...	1018·3	0	N'E	5	c	49	85	6	8	-	5	4-6	7-8	2500
	Mildenhall ...	1019·7	-6	N	5	c/r	51	75	7	5	2	-	9+	10	1500
	Cranwell ...	1022·3	0	N	5	o/d	48	85	7	5	-	-	10	10	1500
3	Birmingham ...	1022·6	-6	N	3	c	51	65	6	8	7	-	7-8	9+	1500
	Upper Heyford	1021·5	-6	N	4	c	49	65	8	5	-	-	10	10	2500
4	Ross-on-Wye ...	1022·9	0	NNE	4	c	51	65	8	8	-	-	10	10	2500
5	Hartland Point	1022·4	-10	NNE	3	bc	53	65	8	2	4	-	Tr	4-6	2500
	Bristol ...	1022·5	-8	NE'N	4	bc	52	65	7	8	7	-	4-6	4-6	2500
	Portland Bill ...	1021·1	-6	N	3	c	53	55	7	5	7	-	7-8	10	2500
	Plymouth ...	1021·5	-14	ESE	2	c	53	75	7	9	-	-	9+	9+	2500
	The Lizard ...	1021·8	-12	NW'N	5	bc	58	75	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	1022·7	-14	NNE	5	o	53	97	6	5	-	-	10	10	1500
	Guernsey ...	1020·9	+12	N'W	4	bc	52	65	6	1	7	8	1	4-6	2500
6	Pembroke ...	1024·9	-2	NE	4	cq	55	65	8	7	4	-	7-8	7-8	2500
7	Holyhead ...	1026·0	-2	N'E	5	bc	52	75	9	2	4	-	2-3	4-6	2500
	Chester (Sealand)	1025·2	-2	N	4	z_o	52	65	6	5	-	-	9+	9+	4000
8	Manchester ...	1024·9	-2	NE	4	c	51	65	7	8	3	-	9	9+	4000
10	Spurn Head ...	1021·7	0	NNE	6	cq	49	85	6	5	2	-	7-8	10	1500
	Catterick ...	1025·7	-2	N'E	5	c	51	75	7	5	3	-	4-6	7-8	1500
	Tynemouth ...	1026·2	+4	NNE	6	bc	48	85	8	2	3	-	4-6	4-6	1500
11	St. Abbs Head...	1028·4	+4	NNE	3	c	46	85	8	8	4	-	4-6	7-8	1500
	Leuchars ...	1029·0	-2	ENE	3	c	50	75	9	8	7	-	7-8	9	1500
12	Renfrew (Abbotsl.)	1028·8	-2	E	3	c	54	65	9	5	-	-	10	10	2500
	Eskdalemuir ...	1027·1	0	NE'E	4	c	49	65	8	5	-	-	10	10	1500
	Point of Ayre ...	1027·6	0	NE'N	3	c	51	85	8	-	7	-	0	10	-
13A	Tiree ...	1030·0	0	N'E	4	bc	51	75	8	7	4	6	1	4-6	4000
13B	Stornoway ...	1031·5	0	NNE	2	c	47	85	8	5	7	-	4-6	9+	2500
15	Dalwhinnie ...	1029·0	0	NNE	5	c	49	65	8	4	2	-	2-3	10	2500
	Aberdeen ...	1029·3	0	NE	3	bc	51	75	8	1	-	-	4-6	4-6	2500
	Wick ...	1030·1	+4	NE	2	bc	48	86	8	8	6	-	4-6	4-6	1500
16	Lerwick...	1030·3	0	NE	3	c	49	75	8	5	7	-	4-6	7-8	1500
17	Blacksod Point...	1029·7	-4	NNE	5	bc	53	75	8	4	-	3	1	2-3	2500
18	Malin Head ...	1030·0	-2	N	2	c	50	75	8	7	4	9	2-3	7-8	5700
	Aldergrove ...	1028·5	-2	NE'E	3	c	54	55	8	5	-	-	9+	9+	4000
19	Birr Castle ...	1027·6	-4	NW	2	c	57	65	7	4	-	-	7-8	7-8	2500
20	Valentia Obsy.†	1027·1	-6	NE	4	bc	62	55	9	1	4	1	Tr	2-3	2500
	Roches Point ...	1026·5	0	E'S	3	c	56	85	9	7	-	-	7-8	7-8	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	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)
London (Kew)	1019·6	+2	N'E	4	z_o	52	65	6	7	-	-	9+	9+	2500	1	*
Croydon	1019·4	0	NNE	5	z_o	52	65	6	9	6	-	4-6	10	2500	1	*
S. Farnborough	1019·6	+2	N	3	c	51	65	7	7	4	-	4-6	7-8	2500	0	*
Boscombe Down	1020·8	+6	N'E	5	c	50	75	7	5	7	-	7-8	10	4000	0	*
Calshot (Soton.)	1019·8	0	N'W	4	c	53	75	7	7	7	-	7-8	9	2500	0	2
Lympne	1017·5	0	N'E	6	cq	48	75	7	8	3	-	7-8	9+	1500	1	§3
Manston	1017·6	0	N'E	6	c	48	85	6	5	3	-	7-8	9+	1500	1	*
Shoeburyness	1018·5	+6	N	4	c	50	75	8	5	-	-	10	10	1500	1	*
Felixstowe	1018·6	+6	NNE	5	c	50	75	7	8	3	6	4-6	7-8	1500	0	3
Gorleston	1019·1	+4	N'E	5	c	50	85	6	8	-	-	9+	9+	2500	1	3
Mildenhall	1020·3	+6	NNE	5	c	51	75	8	7	-	-	7-8	7-8	2500	1	*
Cranwell	1022·6	+2	N	5	b	52	65	7	1	4	-	Tr	1	2500	0	*
Birmingham	1022·9	+2	N	4	c	50	75	6	8	-	-	7-8	7-8	2500	0	*
Upper Heyford	1021·7	+2	N	4	bc	51	65	7	2	-	1	4-6	4-6	2500	1	*
Ross-on-Wye	1022·7	0	N'E	3	c	51	75	6	8	-	-	9	9	2500	0	*
Hartland Point	1022·4	-2	NNE	3	c	52	75	7	5	4	-	4-6	7-8	2500	0	2
Bristol	1022·7	+2	N'E	5	z_o	50	75	6	5	2	-	7-8	10	2500	0	*
Portland Bill	1020·6	-6	N	3	c	53	65	7	5	7	-	7-8	10	2500	1	2
Plymouth	1021·7	+4	NE'N	3	bc	55	55	7	8	-	-	4-6	4-6	2500	0	1
The Lizard	1022·2	+8	NNE	2	bc	53	75	8	8	-	-	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1023·1	+6	NNE	6	b	52	85	8	1	4	-	Tr	1	4000	0	4
Guernsey	1019·8	-4	N'E	5	c	51	75	7	8	3	-	7-8	9+	4000	0	3
Pembroke	1025·0	+2	NE'E	3	c	52	75	8	8	4	-	4-6	7-8	2500	0	1
Holyhead	1026·2	+2	N'E	4	c	50	75	8	8	4	-	4-6	7-8	2500	0	2
Chester (Sealand)	1025·2	+2	N	3	z_o	53	65	6	5	-	-	9+	9+	9000	0	*
Manchester	1024·8	+6	NE	3	bc	52	65	7	2	-	-	4-6	4-6	9000	1	*
Spurn Head	1022·0	0	N	6	cq	50	85	7	5	4	-	4-6	7-8	4000	0	4
Catterick	1026·3	+8	N	4	z_o	48	75	6	5	-	-	9+	9+	1500	0	*
Tynemouth	1026·5	0	N	6	c	46	85	8	2	-	-	7-8	7-8	2500	0	3
St. Abbs Head	1028·9	+4	NNE	3	c	45	85	8	8	6	9	4-6	7-8	1500	0	2
Leuchars	1029·1	+2	ENE	3	b	49	85	8	8	-	-	Tr	Tr	4000	0	*
Renfrew (Abbotsl.)	1028·5	-2	E'N	2	c	55	65	7	5	-	-	9+	9+	4000	0	*
Eskdalemuir	1027·6	+4	NNE	4	c	50	65	8	5	-	-	7-8	7-8	1500	1	*
Point of Ayre	1027·6	-2	E'N	1	c	51	65	8	-	3	-	0	7-8	-	0	1
Tiree	1029·3	-2	N	3	c	50	85	8	7	5	6	1	7-8	4000	0	3
Stornoway	1030·6	-2	NE	3	c	48	85	8	5	5	9	4-6	9	2500	1	1
Dalwhinnie	*	0	NNE	3	c	48	65	8	4	2	-	2-3	10	2500	0	*
Aberdeen	1029·6	+2	NE	3	b	48	85	8	7	-	-	1	1	2500	1	2
Wick	1029·6	-2	ENE	1	c	48	92	8	5	7	-	7-8	9+	1500	1	1
Lerwick	1030·1	0	NE	3	c	47	85	8	5	7	-	7-8	9	1500	0	*
Blacksod Point	1029·5	-2	NNE	5	bc	52	85	8	1	4	-	Tr	2-3	2500	0	3
Malin Head	1029·7	-2	N	2	c	50	85	8	7	-	6	2-3	7-8	5700	0	2
Aldergrove	1028·2	-2	NE	3	bc	56	55	8	5	-	2	2-3	4-6	4000	0	*
Birr Castle	1027·2	0	NW	2	c	58	65	8	5	7	3	4-6	9	2500	0	*
Valentia Obsy.†	1027·2	+2	NE'N	4	b	60	65	8	1	4	1	Tr	1	9000	0	1
Roches Point	1026·8	+2	E'S	3	c	54	75	8	5	-	3	4-6	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 12th (37)	Weather 13h.—18h. 12th (38)	Weather 18h. 12th to 1h. 13th (39)	Weather 1h.—7h. 13th (40)
London (Kew)	crr$_o$cpr$_o$c	cd$_o$z$_o$cz$_o$	cz$_o$bc	bdbz$_o$
Croydon	r$_o$cr$_o$p	cpr$_o$z$_o$	czcid$_o$	cir$_o$c,b
S. Farnborough	cid$_o$ir$_o$c	cid$_o$bc	cbcb	b
Boscombe Down	c	c	cbbc	bccbcb
Calshot (Soton.)	ccy	cyc	cbcbm$_o$	bccbm$_o$
Lympne	cl$_o$pr$_o$pr	cod$_o$r$_o$cq	bcem$_o$r$_o$r$_o$	cbbcm$_o$
Manston	cprirm$_o$c	cir$_o$m$_o$	cir$_o$m$_o$	cbm$_o$w
Shoeburyness	cprc	cprc	c	cbw
Felixstowe	cpridr$_o$	cbcc	bcc	c,b
Gorleston	oprcq	cq	cpr$_o$bq	bq
Mildenhall	cdrir$_o$c	cbccbc	cbcc	cbbm$_o$b
Cranwell	ccid$_o$	cbcyb	bbccm$_o$	cbm$_o$c
Birmingham	bccr$_o$	cbc	bcc	c
Upper Heyford	cm$_o$cd$_o$pr$_o$c	cd$_o$ir$_o$bc	cbc	bcbcbz
Ross-on-Wye	c	c	cbcbm$_o$	bcc
Hartland Point	bccbc	bcc	cbc	bcc
Bristol	cr$_o$cbc	bccm$_o$	cbcbbc	ccm$_o$
Portland Bill	c	c	c	cbc
Plymouth	b,cm$_o$pr$_o$c	cybcy	bcycz$_o$,b	bbc
The Lizard	cbc	bc	bcb	bbcw
Scilly (St. Mary's)	co	ocbcb	bbcb	bbc
Guernsey	bcobc	bbcc	cbc	bcor$_o$
Pembroke	cq	c	bcw	bc
Holyhead	bcbbc	bcc	cbw	bbc
Chester (Sealand)	bcypr$_o$z$_o$c	cz$_o$	c,bz$_o$	bz$_o$,cm$_o$bc
Manchester	cpr$_o$prc	ccz$_o$	bcz$_o$bm$_o$	bm$_o$
Spurn Head	qpr$_o$c	cq	cq	cbbcq
Catterick	pr$_o$ir$_o$c	ccz$_o$	cz$_o$bcm$_o$	c
Tynemouth	cbc	bcc	co	oc
St. Abbs Head	c	bcc	c	c
Leuchars	Rd$_o$d$_o$c	cbcb	bbx	bxbcc
Renfrew (Abbotsl.)	cyc	c	cbccm$_o$	cm$_o$w
Eskdalemuir	cpr$_o$c	c	cbcb	bwbcc
Point of Ayre	c	c	cbcb	bbc
Tiree	bc	bc	c	c
Stornoway	cd$_o$d$_o$	cpr$_o$	c	cpr$_o$
Dalwhinnie	c	c		c
Aberdeen	cir$_o$bc	bcb	b	b$_o$Fcb
Wick	cbc	bcc	cbc	bcc
Lerwick	c	c	c	c
Blacksod Point	c	bc	bc	cbc
Malin Head	bcc	cbcc	cbc	bcc
Aldergrove	b,cy	cybcy	bcybc	bcwbc
Birr Castle	bbcc	c	cbc	bc
Valentia Obsy.†	bcbby	bcyb	bw	bwb
Roches Point	bcc	cbcc	cbcw	cbwb

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. ⓘ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

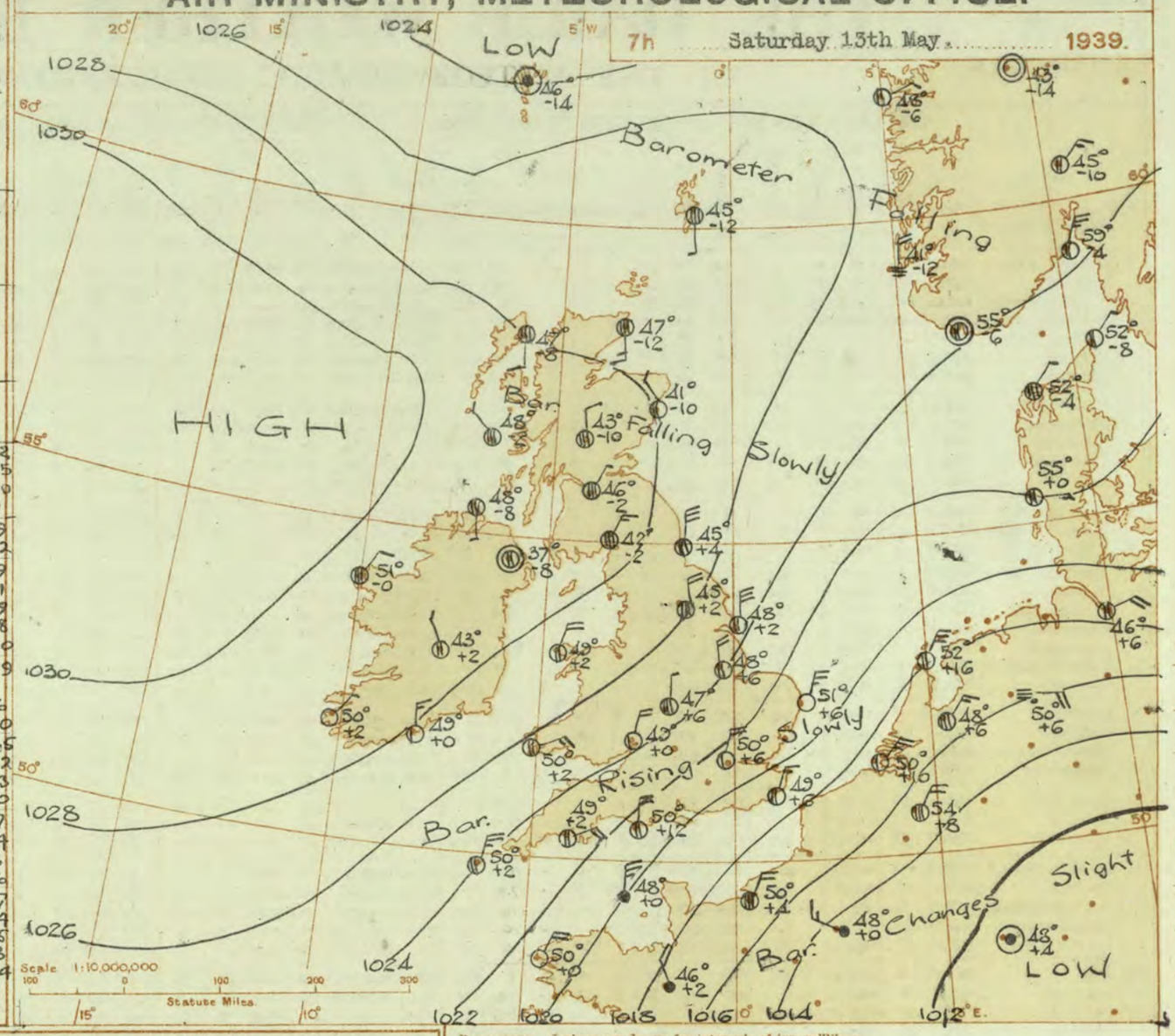
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 12th May 1939

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 11th to 9h. 12th	Temperature. (°F) Max. 9h.—17h. 12th	Rainfall. (mm.) Night. 17h. 11th to 9h. 12th	Rainfall. (mm.) Day. 9h.—17h. 12th	Sunshine. Sunrise to 17h. 12th	Sunshine. Sunrise to Sunset 11th
1	Tunbridge W.	co	or.or	43	52	1	Trace	1·2	8·5
	Bournemouth	c	bcco	42	57	-	-	1·6	11·6
	Ventnor ...	cob	bov	42	56	-	-	5·1	10·3
	Southsea ...	bcc	bcc	44	56	-	-	5·2	7·8
	Bognor Regis	bcpr	bcc	42	55	-	Trace	2·7	9·2
	Littlehampton	bccpc	cbc	42	56	Trace	0·1	4·4	10·9
	Worthing ...	bccf.	c	42	54	-	Trace	3·3	11·4
	Brighton ...	cbc	cpbc	43	55	-	Trace	3·3	10·0
	Eastbourne† ...	cp.c	co	44	55	0·6	0·4	2·6	7·5
	Hastings† ...	cppoc	bccop	43	54	Trace	0·5	3·3	8·1
	Folkestone ...	m.crc	cpc	44	53	2	3	3·0	6·7
	Dover ...	orc	crc	45	54	1	4	2·7	6·9
	Deal	crbc	bbcc	44	54	1	3	1·8	5·8
	Ramsgate ...	c	c	43	52	7	-	1·5	6·3
	Margate ...	cd	c	45	50	3	Trace	0·8	5·6
2	Southend ...	coc	cpoc	44	54	0·3	Trace	1·7	6·4
	Clacton-on-Sea	cp.c	c	43	54	1	Trace	1·0	4·6
	Dovercourt ...	bcpbc	doc	44	53	1	Trace	1·1	5·3
	Lowestoft ...	circ	cbcc	43	52	3	0·1	1·0	3·2
	Skegness ...	o	ocb	44	52	2	-	4·9	3·5
	Mablethorpe...	obbc	bcbbc	46	51	1	-	4·7	2·0
	Cleethorpes ...	cu	cbcb	45	51	Trace	-	3·6	1·1
3	Leamington S.	opre	bcc	44	58	-	0·1	2·7	3·9
4	Cheltenham†	c	co	45	53	-	-	1·5	5·2
5	Bath	cbc	cbc	44	55	-	-	1·9	9·9
	Weymouth ...	c	c	43	55	-	-	1·3	11·1
	Jersey ...	bcoc	bc	48	56	-	-	9·0	11·9
	Torquay ...	c	bcy	49	57	-	-	4·9	11·8
	Falmouth ...	b	b	49	61	-	-	7·9	11·0
	Penzance ...	c	bcb	49	58	-	-	4·8	10·9
	St. Ives ...								
	Bude... ...	bccbc	bcc	50	58	-	-	7·0	9·6
	Ilfracombe ...	bccbc	bcco	49	56	-	-	5·9	11·0
6	Aberystwyth	bcc	c	45	57	-	-	5·1	10·5
7	Llandudno ...	bcc	cbc	49	53	-	-	4·8	8·2
	Colwyn Bay...	bcc	c	48	52	-	-	2·5	8·3
	Rhyl	bcc	cbcc	48	54	-	-	3·7	6·0
8	Wallasey ...	cbcc	c	45	53	-	-	2·8	3·7
	Southport ...	cpcv	c	43	54	Trace	-	1·7	6·4
	Blackpool ...	c	c	44	53	Trace	-	1·8	7·3
	Morecambe ...	bcc	bc	46	55	-	-	3·0	6·6
9	Ilkley... ...	od.o	ocbc	44	52	Trace	-	1·8	3·7
	Harrogate ...	c	cbc	43	50	Trace	-	1·4	3·4
10	Berwick-on-T.	oc	bcc	44	50	0·1	-	2·1	7·5
11	Dunbar ...	cf.m.	bcm.	44	49	1	-	5·2	7·8
12	Troon... ...	oc	coc	44	57	-	-	1·1	10·4
	Douglas ...	bc	bc	44	53	-	-	4·1	8·1

† Max. Temp. for period 21h. yesterday to 17h. today; Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Fresh northeast wind decreasing later and backing north; fair; average day temperature inland, slight ground frost locally at night.
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 northeast to north wind; fair at first; slight rain locally later; average temperature.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light to moderate southwest wind veering northwest; mainly cloudy, slight rain at times; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate north wind; mainly fair but cloud increasing; average temperature.

GENERAL INFERENCE.

An anticyclone is centred off Northwest Ireland and another over Scandinavia is decreasing in intensity. Troughs of low pressure off Northwest Scotland are moving southeast. Weather will be fair in most districts today but slight rain will occur in Scotland.

FURTHER OUTLOOK.

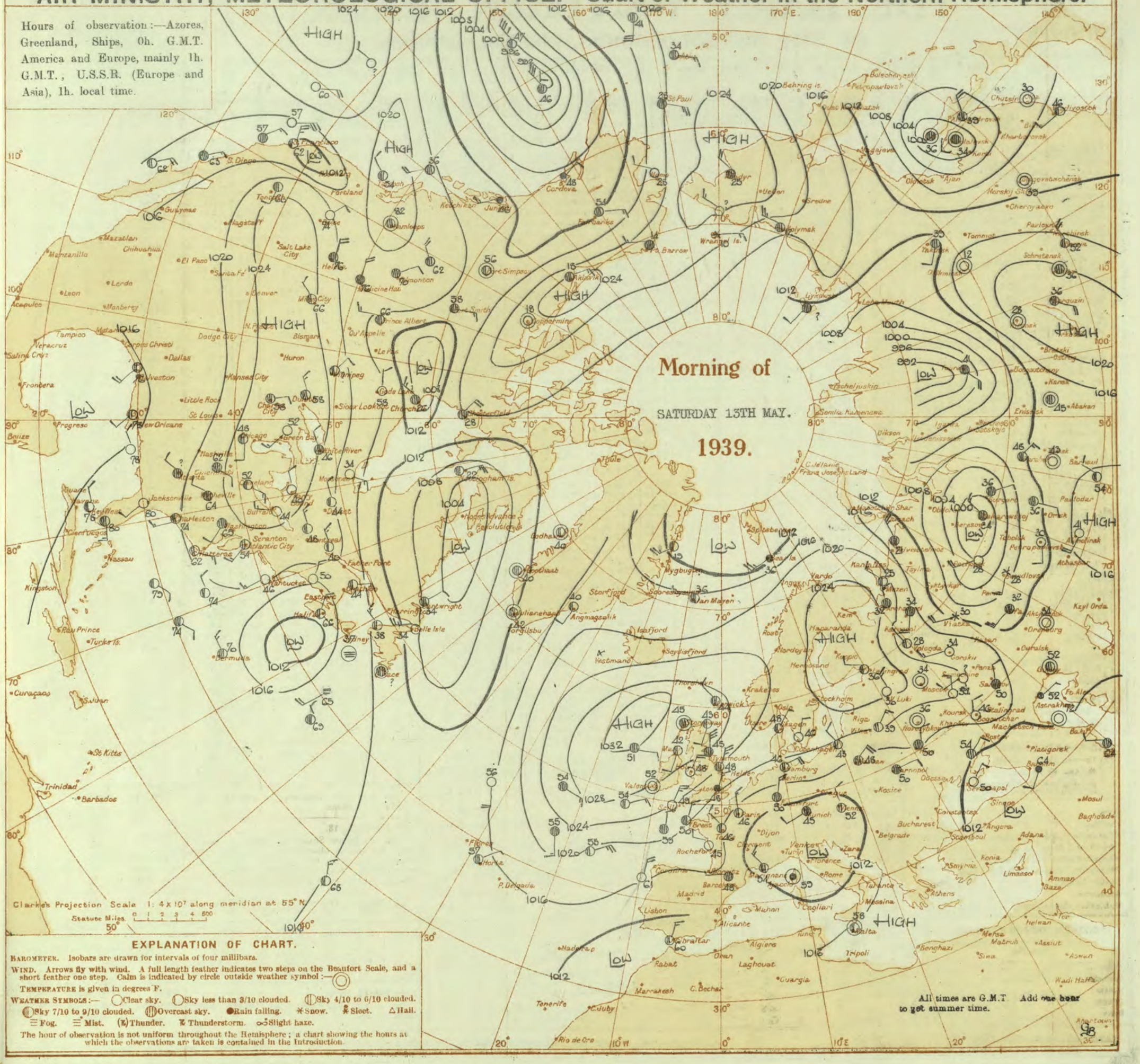
Cool; bright intervals and local showers in the North; becoming cloudy in the South with slight rain locally.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 13th May, 1939. No. 28296

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1020.2	-4	N'E	3	ir	48	85	6	6	-	-	9+	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1017.8	-6	N'E	4	o/r	47	97	6	5	-	-	10	10	450
	Manston	154	1018.0	-4	NNE	5	z0	49	92	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1013.7	0	N'E	4	b	49	85	6	-	-	-	0	0	-
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1023.9	0	NE	4	bc	48	85	8	5	-	-	2-3	2-3	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1021.0	+2	N	3	c	48	85	7	5	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1024.0	+8	N	2	b	47	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1024.2	-2	NE'N	5	b	49	92	7	-	-	-	0	0	-
	Guernsey	175	1020.0	-8	NNE	5	bc	48	75	7	-	3	-	0	4-6	-
6	Pembroke	142	1025.4	0	NE'E	2	bc	47	92	7	5	-	-	2-3	2-3	2500
7	Holyhead	26	1027.0	0	N'E	4	b	48	85	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1023.7	+2	NNE	5	c	48	92	6	5	-	-	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1027.7	0	N	6	o	45	92	7	5	-	-	10	10	1500
11	St. Abbs Head	280	1030.2	0	NNE	3	c	42	92	8	3	2	-	4-6	10	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1028.5	+2	ENE	4	b	47	85	8	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1030.1	+2	-	0	c	45	97	7	5	7	-	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1029.8	-10	SSW	1	bc	43	97	8	5	7	-	4-6	4-6	1500
16	Lerwick	156	1029.8	-10	NW	1	c	44	85	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	1030.0	0	NNE	4	c	50	92	7	5	-	-	10	10	800
18	Malin Head	84	1030.7	+2	S	1	bc	42	92	8	-	4	-	0	2-3	-
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1028.6	+10	-	0	b	52	85	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1020.8	+8	NNE	5	z0	50	75	6	-	-	-	0	0	-	0	*
Croydon	1020.6	+6	NNE	4	b	50	75	7	1	-	-	1	1	2500	1	*
S. Farnborough	1020.7	+4	N	4	b	50	75	8	1	-	-	Tr	Tr	2500	0	*
Boscombe Down	1022.0	+10	N'E	5	b	49	85	7	1	-	-	1	1	1500	0	*
Calshot (Sthmtn.)	1019.9	+4	N'W	5	z	51	75	7	-	-	-	0	0	-	0	2
Lympne	1018.4	+6	NNE	4	bc	49	85	7	1	-	-	2-3	2-3	2500	1	§3
Manston	1018.5	+6	NNE	6	b	50	85	6	5	-	1	Tr	Tr	800	1	*
Shoeburyness	1019.7	+6	N'E	4	b	51	75	7	-	-	-	0	0	-	0	*
Felixstowe	1019.9	+4	NNE	4	b	51	75	7	-	-	-	0	0	-	0	3
Gorleston	1021.1	+6	NNE	5	b	51	75	7	-	4	-	0	Tr	-	1	3
Mildenhall	1021.7	+2	N'E	4	b	51	75	8	-	-	-	0	0	-	1	*
Cranwell	1024.0	+6	N'W	4	z0	48	85	6	5	-	-	4-6	4-6	450	0	*
Birmingham	1025.0	+6	N	1	c	47	85	6	5	-	-	9	9	800	0	*
Upper Heyford	1023.0	+6	N	4	z	49	75	6	1	-	-	Tr	Tr	2500	0	*
Ross-on-Wye	1024.1	0	N'E	4	z	49	75	6	1	-	-	1	1	2500	0	*
Hartland Point	1023.7	+4	NE	4	c	47	85	7	5	-	-	7-8	7-8	1500	0	3
Bristol	1023.6	+6	N'E	4	z0	48	85	6	5	-	-	7-8	7-8	1500	0	
Portland Bill	1020.6	+12	N	4	bc	50	75	7	4	-	-	4-6	4-6	2500	1	3
Plymouth	1022.9	-2	ENE	4	bc	49	75	7	5	-	-	2-3	2-3	2500	0	0
The Lizard	1022.9	-6	N	3	bc	47	75	8	4	-	-	2-3	2-3	2500	0	1
Scilly (St. Mary's)	1024.2	+2	NNE	5	bc	50	92	6	2	6	-	2-3	2-3	1500	0	3
Guernsey	1019.7	0	N	5	ir	48	92	6	5	-	-	10	10	800	0	3
Pembroke	1026.4	+2	ENE	3	bc	50	85	7	5	4	3	2-3	2-3	2500	0	1
Holyhead	1026.7	+2	NNE	4	bc	49	85	7	1	-	6	Tr	2-3	2500	0	2
Chester (Sealand)	1026.7	+2	NW'N	2	bc	47	75	7	5	3	-	4-6	4-6	5700	0	*
Manchester	1026.3	+4	NE	3	z0	49	75	6	1	3	-	Tr	1	2500	0	*
Spurn Head	1024.2	+2	N	6	bcq	48	92	7	4	-	-	4-6	4-6	4000	0	3
Catterick	1027.7	+2	N	4	c	45	85	7	5	-	-	10	10	1500	0	*
Tynemouth	1027.4	+4	N	6	c	45	85	7	8	-	-	7-8	7-8	1500	0	3
St. Abbs Head	1028.8	-10	N	3	c	43	92	8	5	2	-	7-8	10	2500	0	2
Leuchars	1029.1	-4	WSW	1	c	45	85	7	5	2	-	9	10	1500	0	*
Renfrew (Abbots I.)	1029.2	-2	NE	1	z0	46	85	6	5	-	-	10	10	1500	0	*
Eskdalemuir	1028.8	-2	NE'N	3	c	42	85	8	5	-	1	7-8	7-8	1500	1	*
Point of Ayre	1028.1	-2	NE	3	bc	48	85	8	5	-	5	Tr	2-3	1500	0	2
Tiree	1028.1	-2	NW'N	1	c	48	92	8	5	7	-	4-6	9	2500	0	2
Stornoway	1027.8	-8	S	2	c/pr	47	92	8	5	1	-	4-6	10	2500	1	0
Dalwhinnie	1028.6	-10	N	2	c	43	85	8	5	2	-	2-3	10	2500	0	*
Aberdeen	1028.0	-10	NW'N	1	bc/f	41	97	6	-	-	6	0	2-3	-	1	1
Wick	1027.0	-12	S	3	c	47	92	9	5	7	-	7-8	9	1500	0	1
Lerwick	1027.1	-12	S	1	c	45	85	8	5	7	-	7-8	10	1500	0	*
Blacksod Point	1029.2	0	NE	2	c	51	92	8	4	-	-	7-8	7-8	2500	0	2
Malin Head	1029.2	-8	S	1	c	48	92	8	5	4	-	4-6	7-8	5700	0	1
Aldergrove	1028.0	-12	-	0	bc	46	85	7	-	4	6	0	4-6	-	0	*
Birr Castle	1029.0	+2	NNW	1	bc	43	97	7	-	3	-	0	4-6	-	0	*
Valentia Obsy. †	1028.9	+2	NE'E	1	b	50	85	8	-	3	-	0	Tr	-	0	0
Roches Point	1027.9	0	N	3	b	49	85	8	-	-	1	0	1	-	0	1

PAST 24 HOURS.

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)	Night 18h–7h mm. (35)	Sunshine 12th Hrs. (36)
London (Kew)	53	47	42	0.6	-	1.4
Croydon	52	47	44	Tr	Tr	0.2
S. Farnborough	52	46	42	Tr	-	1.3
Boscombe Down	54	44	40	-	-	2.6
Calshot (Sthmtn.)	56	46	44	-	-	2.3
Lympne	51	46	44	1	0.2	2.3
Manston	53	47	44	2	0.3	2.4
Shoeburyness	55	46	40	0.1	-	1.3
Felixstowe	54	45	42	0.4	-	1.4
Gorleston	52	48	47	0.5	Tr	1.8
Mildenhall	54	43	39	0.2	-	4.2
Cranwell	59	44	42	Tr	-	4.8
Birmingham	51	45	40	Tr	-	2.5
Upper Heyford	51	45	39	0.1	-	*
Ross-on-Wye	53	45	40	-	-	1.3
Hartland Point	56	46	44	-	-	5.6
Bristol	54	45	39	-	-	2.4
Portland Bill	56	46	*	-	-	*
Plymouth	57	45	41	Tr	-	4.7
The Lizard	60	44	*	-	-	11.2
Scilly (St. Mary's)	55	47	*	-	-	5.6
Guernsey	54	46	45	-	Tr	7.1
Pembroke	57	46	*	-	-	7.2
Holyhead	53	46	43	-	-	10.5
Chester (Sealand)	53	41	36	Tr	-	2.9
Manchester	54	41	33	Tr	-	1.7
Spurn Head	51	46	*	Tr	-	5.4
Catterick	56	43	41	0.1	-	1.6
Tynemouth	49	44	42	-	-	5.3
St. Abbs Head	53	41	*	-	-	*
Leuchars	52	39	28	0.3	-	4.9
Renfrew (Abbots I.)	55	40	33	-	-	1.0
Eskdalemuir	51	37	31	Tr	-	2.6
Point of Ayre	53	44	*	-	-	2.9
Tiree	52	46	44	-	-	11.8
Stornoway	49	43	*	Tr	Tr	0.0
Dalwhinnie	49	29	20	-	-	0.5
Aberdeen	51	35	31	0.2	-	7.2
Wick	56	43	*	-	-	*
Lerwick	51	43	*	-	-	2.1
Blacksod Point	54	48	*	-	-	*
Malin Head	52	41	*	-	-	10.7
Aldergrove	57	36	32	-	-	6.4
Birr Castle	60	36	35	-	-	10.7
Valentia Obsy. †	62	44	39	-	Tr	14.4
Roches Point	61	44	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Afternoon	Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	crr0cpr0c	cd0z0cz0	cz0bcz0	53	47	42	0.6	-	1.4	*	*	7
Croydon	217	r0cr0p	cpr0z0id0	cir0c, b	52	47	44	Tr	Tr	0.2	*	*	8
Greenwich (Royal Observatory)	149	cpc	cdc	cby	53	46	41	0.3	-	0.8	75	51	7
City (Sunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park)	27	*	*	*	58	48	43	-	-	1.1	85	57	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	56	46	44	Tr	-	1.7	93	57	*
Camden Square	110	bc	c	*	58	47	42	Tr	-	*	*	51	*
Kensington	80	bccp	bc	*	54	47	40	0.4	-	1.1	63 (At 18h)	55	*
Hampstead Observatory	450	bcp	bc	bc	51	44	43	0.2	-	2.3	*	56	*

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 whole period			

Kew Observatory Max.	Time.	Min.	Time.
0.1	15h 12th	<0.1	0-7h 13th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 12th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 13th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
Paris	1012.9	NW	4	cq	50	1013.0	WNW	3	rr	48	52	46	6	5
Brussels	1013.2	NE	3	c	52	1024.7	NE	4	c	54	55	46	2	2
Berlin	1015.5	E	4	c	55						59		-	
Zürich	1010.2	W	2	c	48	1009.5	ENE	1	z0	45	52	43	3	0.1
Rome	1011.7	SW	2	c	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 ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 14th May, 1939.

No. 28297

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1020.3	-4	NE	5	c	61	45	8	7	-	-	7-8	7-8	2500
	Croydon ...	1020.1	-6	NNE	5	c	61	65	7	1	-	1	7-8	7-8	4000
	S. Farnborough	1020.1	-6	NNE	4	c	62	45	8	1	-	4	4-6	7-8	4000
	Boscombe Down	1021.1	-4	NE'N	5	c	60	55	7	8	-	8	4-6	10	2500
	Calshot (Soton.)	1019.9	-2	NNE	4	bc	63	35	8	7	-	2	4-6	4-6	4000
	Lympne ...	1018.5	-2	NNE	6	bc	55	75	8	1	4	-	4-6	4-6	1500
	Manston ...	1019.0	-6	NNE	6	b	53	75	6	-	3	-	0	1	-
2	Shoeburyness ...	1019.7	-6	NE'N	5	bc	61	45	8	1	3	-	Tr	4-6	4000
	Felixstowe ...	1020.3	-6	ENE	6	c	59	45	9	-	3	5	0	7-8	-
	Gorleston ...	1021.3	-6	N'E	5	bc	56	65	7	-	4	1	0	2-3	-
	Mildenhall ...	1021.5	-6	NNE	5	bc	60	45	8	1	-	2	Tr	2-3	4000
	Cranwell ...	1023.6	-6	N'E	3	bc	60	55	8	1	3	6	1	4-6	4000
3	Birmingham ...	1022.9	-10	NE	3	bc	60	45	8	7	-	-	4-6	4-6	2500
	Upper Heyford	1022.1	-10	NE'E	5	bc	61	35	7	1	-	1	1	2-3	4000
4	Ross-on-Wye ...	1022.5	-10	NE	5	b	62	45	7	1	-	1	1	1	4000
5	Hartland Point	1023.2	-8	NNE	3	bc	53	85	7	4	-	-	2-3	2-3	1500
	Bristol ...	1022.5	-6	NNE	4	bc	60	45	8	7	-	1	2-3	2-3	2500
	Portland Bill ...	1020.1	+12	NE	4	bc	62	75	8	1	4	-	4-6	4-6	2500
	Plymouth ...	1021.7	-4	NE	4	bc	61	45	8	1	3	-	1	2-3	2500
	The Lizard ...	1022.3	-6	NNE	3	bc	60	65	7	4	4	-	4-6	4-6	2600
	Scilly (St. Mary's)	1023.8	-2	NE'N	5	b	56	85	7	1	-	4	Tr	1	4000
	Guernsey ...	1019.7	0	N	6	b	56	65	7	-	-	1	0	Tr	-
6	Pembroke ...	1024.8	-2	NNE	4	bcq	60	65	7	5	4	1	2-3	2-3	2500
7	Holyhead ...	1026.1	-6	NW'N	3	bc	53	85	7	-	4	6	0	4-6	-
	Chester (Sealand)	1025.1	-14	WNW	4	bc	56	65	7	-	7	-	6	4-6	-
8	Manchester ...	1024.2	-18	NE'N	3	c	63	35	7	1	3	-	2-3	7-8	5700
10	Spurn Head ...	1024.2	-2	NNE	5	c	51	85	6	-	-	6	0	7-8	-
	Catterick ...	1025.5	-18	NE'N	3	zo	54	75	6	2	3	-	Tr	7-8	2500
	Tynemouth ...	1026.3	-8	NNE	3	c	47	85	7	8	-	-	7-8	7-8	1500
11	St. Abbs Head...	1025.6	-20	SE	3	c	47	85	8	4	3	2	4-6	7-8	1500
	Leuchars ...	1024.6	-26	SW	2	c	57	65	8	8	7	6	7-8	9	2500
12	Renfrew (Abbotsl.)	1025.5	-24	WNW	4	zo	57	55	7	1	7	8	4-6	9+	4000
	Eskdalemuir ...	1024.3	-20	SW	3	c	59	45	8	7	3	1	4-6	7-8	2500
	Point of Ayre ...	1026.3	-12	NW	2	c	54	85	8	-	3	-	0	9	-
13A	Tiree ...	1025.4	-10	SSW	2	rr	48	97	6	-	2	-	10	10	800
13B	Stornoway ...	1024.0	-14	SSW	3	c/r	49	85	7	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1024.1	-18	W	3	c	53	65	8	4	7	-	2-3	10	2500
	Aberdeen ...	1024.0	-22	S	3	c	52	75	6	1	7	-	1	7-8	2500
	Wick ...	1023.1	-16	S	3	c	49	85	8	6	7	-	7-8	9+	1500
16	Lerwick...	1023.7	-18	S	3	c	46	85	8	8	7	-	7-8	9+	1500
17	Blacksod Point...	1028.7	-12	WNW	2	c	53	85	8	5	-	-	10	10	2500
18	Malin Head ...	1027.5	-14	W	2	rr	49	92	7	6	-	-	0	9	800
	Aldergrove ...	1026.5	-16	W	1	c	60	55	8	1	1	-	1	10	2500
19	Birr Castle ...	1026.9	-10	NNW	1	c	61	55	7	1	7	-	2-3	7-8	2500
20	Valentia Obsy.†	1028.2	-6	NNW	4	c	58	65	8	-	5	6	0	7-8	-
	Roches Point ...	1026.9	-10	S	3	bc	58	75	9	1	-	5	2-3	4-6	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud 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)	1018.7	+2	NNE	5	c	60	35	8	-	-	6	0	7-8	-	0	*
Croydon	1019.5	0	NE	4	c	59	35	8	-	-	7	0	9+	-	0	*
S. Farnborough	1019.5	+2	NNE	3	c	61	35	8	-	-	8	0	7-8	-	0	*
Boscombe Down	1020.3	0	NNE	4	bc	60	45	8	-	-	8	0	2-3	-	0	*
Calshot (Soton.)	1019.2	-2	N'W	4	c	62	35	8	1	6	6	1	7-8	4000	0	§2
Lympne	1018.5	0	NNE	5	c	53	55	8	-	3	5	0	7-8	-	0	3
Manston	1018.9	-2	N'E	5	c	51	65	7	5	3	-	4-6	7-8	7200	0	*
Shoeburyness	1019.6	-2	NE	3	bc	54	65	8	-	4	5	0	2-3	-	0	*
Felixstowe	1019.9	0	NE	6	bc	57	35	9	-	3	5	0	2-3	-	0	3
Gorleston	1020.2	-6	N'E	5	bc	54	85	7	-	-	1	0	2-3	-	0	3
Mildenhall	1020.9	-2	N'E	3	b	56	65	8	-	-	1	0	Tr	-	0	*
Cranwell	1022.4	-6	NNE	2	b	56	55	7	-	-	8	0	Tr	-	0	*
Birmingham	1021.4	-6	NE	3	bc	60	45	8	-	3	-	0	4-6	-	0	*
Upper Heyford	1021.7	-2	NE	4	b	59	45	7	1	-	1	1	1	4000	0	*
Ross-on-Wye	1021.5	-6	NE	3	bc	60	45	7	7	-	-	2-3	2-3	4000	0	*
Hartland Point	1021.7	-4	NNE	4	bc	53	85	8	-	4	-	2-3	2-3	2500	0	*
Bristol	1021.2	-2	N'E	3	bc	62	65	8	1	-	1	2-3	2-3	4000	0	
Portland Bill	1019.6	+8	NE	4	bc	61	75	8	1	4	-	4-6	4-6	2500	1	3
Plymouth	1021.0	-2	NE	3	bc	63	45	7	7	-	-	2-3	2-3	2500	0	1
The Lizard	1021.7	-4	NNW	5	bc	58	65	7	4	4	-	2-3	4-6	2500	0	3
Scilly (St. Mary's)	1023.2	-4	NNE	5	bc	53	92	7	1	4	4	Tr	4-6	4000	0	3
Guernsey	1019.5	0	N'W	3	c	55	65	7	1	8	8	1	9	4000	0	3
Pembroke	1023.1	-8	NE'N	4	c	53	65	7	5	7	-	4-6	9	2500	0	1
Holyhead	1024.0	-12	WNW	3	c	50	85	8	-	7	6	0	9+	-	0	2 *
Chester (Sealand)	1023.5	-8	WNW	4	c	53	65	8	5	5	-	4-6	9	5700	0	*
Manchester	1022.5	-10	NW	3	c	57	65	7	5	-	-	9+	9+	7200	0	
Spurn Head	1022.5	-10	NNE	4	bc	47	85	6	5	-	-	4-6	4-6	2500	0	3 *
Catterick	1022.0	-22	NE'N	1	zo	57	65	6	5	3	-	4-6	4-6	5700	0	
Tynemouth	1022.4	-18	S	3	c	46	85	7	8	3	-	4-6	7-8	2500	0	1
St. Abbs Head	1021.5	-8	SE	2	c	49	75	7	8	6	-	4-6	9+	1500	0	2
Leuchars	1021.0	-20	W	3	roro	54	85	8	5	2	-	4-6	10	1500	1	*
Renfrew (Abbotsl.)	1023.2	-16	W'N	3	roro	50	92	7	5	2	-	9	10	1500	1	*
Eskdalemuir	1021.6	-16	WNW	3	iro	53	65	8	5	1	-	4-6	10	2500	1	*
Point of Ayre	1023.8	-18	NNW	3	c	53	92	8	-	7	7	0	10	-	0	2
Tiree	1023.7	-8	NNW	2	c	50	92	7	5	1	-	4-6	9	1500	1	2
Stornoway	1022.8	-4	WNW	4	c	50	85	8	5	7	-	7-8	10	2500	1	2 *
Dalwhinnie	1022.7	-10	SW	3	ir	47	92	6	4	2	-	2-3	10	1500	1	
Aberdeen	1020.9	-16	S'W	2	roro	47	92	6	6	2	-	2-3	10	2500	1	1
Wick	1020.7	-16	NNE	1	dodo	47	92	6	5	2	-	9	10	450	1	1
Lerwick	1020.4	-12	SW'S	2	c/r	46	92	7	8	2	-	4-6	10	800	1	*
Blacksod Point	1026.8	-14	WNW	3	o/F	53	97	4	6	-	-	10	10	<150	1	2
Malin Head	1025.0	-16	N'W	2	rf	51	97	2	-	-	-	0	10	<150	0	2
Aldergrove	1024.9	-6	N	1	roro	50	92	6	6	2	-	9+	10	1500	1	*
Birr Castle	1025.7	-6	NNW	2	c	57	65	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy.†	1024.6	-4	NNW	4	c	57	65	8	5	-	-	9+	9+	5700	0	1
Roches Point	1025.2	-10	SW	2	bc	57	85	8	5	3	-	2-3	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 13th (37)	13h.—18h. 13th (38)	18h. 13th to 1h. 14th (39)	1h.—7h. 14th (40)
London (Kew)	bybcy	bcy	bcy b	bbccmow
Croydon	bcc	cybccy⊕	cybzow	bmowcfg⊕
S. Farnborough	bbcy	bcy	bcybw	bwcmo
Boscombe Down	b,c	cbc	bbc	bccmo
Calshot (Soton.)	cmoby	bcy	bcyb	bwbcmo
Lympne	bcbbc	bbcy	cybcb	bwbc
Manston	bmozo	cb,czo	c,b	bbcmow
Shoeburyness	bwbcy	bcyb	bw	bwbc
Felixstowe	bvbcvy	bcvy	bcvy bc	bccwc
Gorleston	bbcq	bcq	bcb,cw	czozo
Mildenhall	bbcy	bcyb	bmo	bmoffe
Cranwell	cbcmoby	bcby	bybc	cmoodd
Birmingham	cbc	bc	bc	bccro
Upper Heyford	bbcy	bcyby	byb	bbccmow
Ross-on-Wye	bzoby	bcy	bczbmo	cmood
Hartland Point	bccbc	bc	bcobc	bccror
Bristol	cbcbbcy	bcy	bcymo	bccroro
Portland Bill	bc	bc	bc	bcc
Plymouth	bcby	bybcy	bcyc	c
The Lizard	bc	bc	bcbw	bpr
Scilly (St. Mary's)	bcb	bbc	bccbc	circ
Guernsey	cirb	bbcc	cbcb	bbcc
Pembroke	bcq	bcqc	cbc	crro
Holyhead	bbc ⊕	b,c ⊕	rororrc	rrroc
Chester (Sealand)	bczoc	c	c	rrrocmo
Manchester	bzobcy	bcyc	c	crroro
Spurn Head	bcc	cbc	FFw	ffwom
Catterick	cmobczo	bcyzo	czocmo	cmororo
Tynemouth	c	cbcc	coir	crro
St. Abbs Head	bcc	c	rrmoo	rrc
Leuchars	c	ciroro	roroiroro	rorociroc
Renfrew (Abbotsl.)	cmo	cmiroroc	cmircmo	cmoc
Eskdalemuir	cbccy	cycir	ircrr	crriro
Point of Ayre	bcc	c	crorr	c
Tiree	cdorr	crdoc	c	c
Stornoway	croro	cdodo	ciro	cDD
Dalwhinnie	c	crrc	*	cir
Aberdeen	bcczo	czororo	croro	roroc
Wick	c	cdomo	doldo	cido
Lerwick	c	ciro	crorodd	cdd
Blacksod Point	c	omf	id	bc
Malin Head	circ	crro	c/rfq	cproc
Aldergrove	bccy	rororr	roroiro	c
Birr Castle	bcc	c	crororc	c
Valentia Obsy.†	bbcyc	cbcc	c	c
Roches Point	bbc	bc	probc	bcc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⸗gale.
⊕ Solar halo. ⊕ lunar halo. ⌂ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

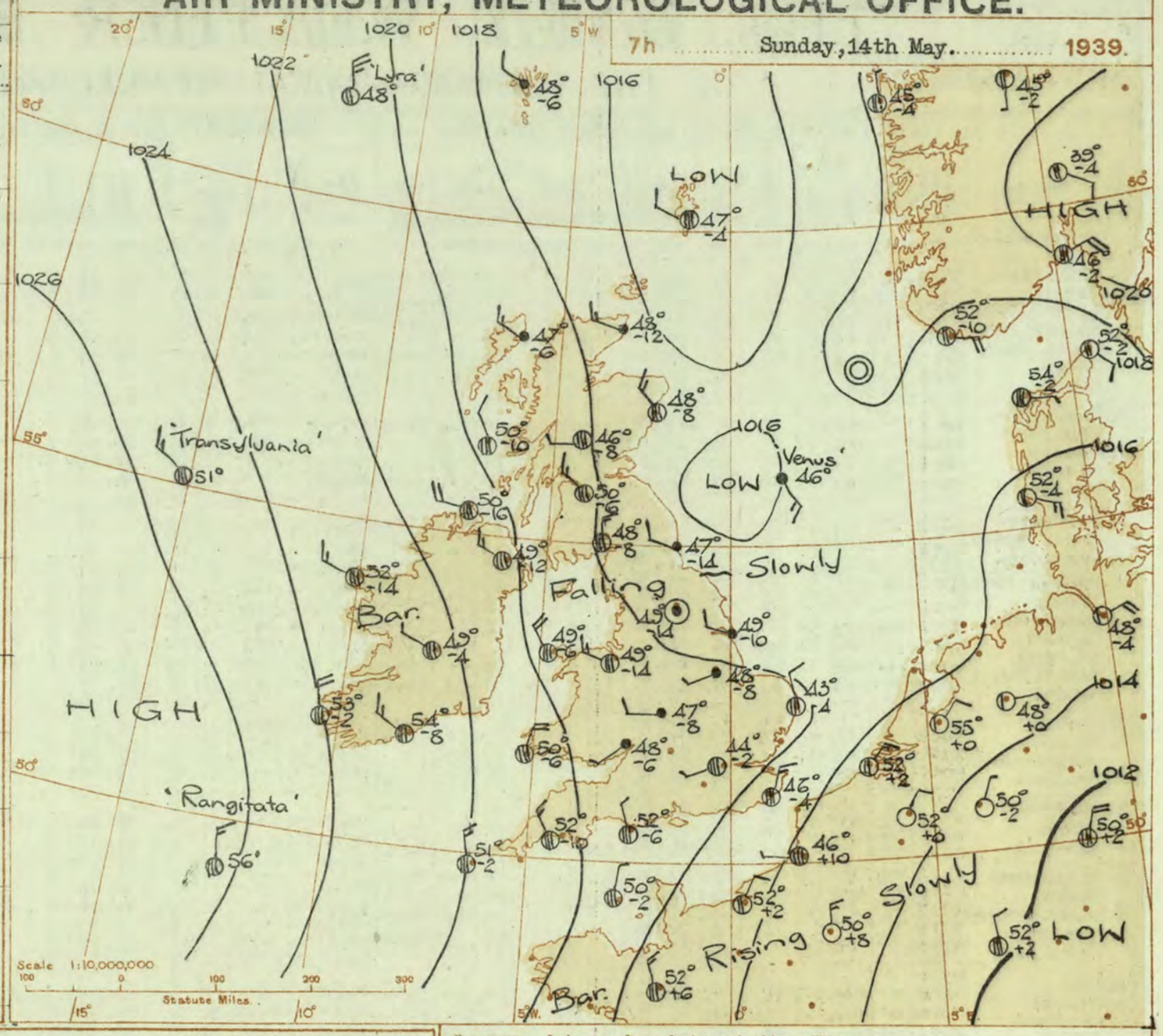
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 13th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 13th to 9h. 14th	Temperature. (°F) Max. 9h.—17h. 14th	Rainfall. (mm.) Night. 17h. 13th to 9h. 14th	Rainfall. (mm.) Day. 9h.—17h. 14th	Sunshine. (Hrs.) Sunrise to 17h. 14th	Sunshine. (Hrs.) Sunrise to Sunset. 13th
1	Tunbridge W.	b	b	45	63	Tr	—	11·7	1·3
	Bournemouth	b	b	45	65	—	—	10·7	1·6
	Ventnor ...	b	b	46	66	—	—	11·2	5·2
	Southsea ...	b	b	47	65	—	—	11·8	5·2
	Bognor Regis	b	bcb	47	65	—	—	10·8	2·9
	Littlehampton	bc	bc	47	65	—	—	11·1	4·5
	Worthing ...	b	b	48	64	—	—	11·6	3·4
	Brighton ...	b	bbc	48	65	—	—	10·9	3·3
	Eastbourne† ...	by	by	48	63	—	—	11·9	2·6
	Hastings† ...	bbc	bcby	46	61	—	—	11·7	3·3
	Folkestone ...	b	bbcc	45	60	0·5	—	10·8	3·4
	Dover ...	bc	bcc	45	58	0·3	—	10·0	2·8
	Deal	b	bcco	45	56	—	—	9·3	1·8
	Ramsgate ...	bc	bc	46	54	—	—	11·6	1·6
	Margate ...	bc	bc	46	52	—	—	11·6	1·3
2	Southend ...	b	b	45	64	—	—	12·0	1·7
	Clacton-on-Sea	bbc	bcy	45	61	—	—	11·9	1·2
	Dovercourt ...	bc	bc	46	61	—	—	12·1	2·5
	Lowestoft ...	b	b	41	57	—	—	12·0	1·3
	Skegness ...	b	b	46	53	—	—	12·2	5·9
	Mablethorpe...	b	bbc	47	52	—	—	11·7	5·6
	Cleethorpes ...	bbz	bbz	46	52	—	—	11·6	4·7
3	Leamington S.	bcb	b	46	65	—	—	10·4	4·0
4	Cheltenham†	bcb	bbcy	43	66	—	—	10·2	1·5
5	Bath	bbc	bcb	47	65	Tr	—	10·4	1·9
	Weymouth ...	b	b	46	62	—	—	11·4	1·3
	Jersey ...	cbc	bcb	48	62	—	—	9·4	9·7
	Torquay ...	b	by	46	63	—	—	9·8	4·9
	Falmouth ...	b	b	45	62	—	—	11·6	9·7
	Penzance ...	b	b	48	61	—	—	11·2	6·5
	St. Ives ...								
	Bude... ...	bcb	b	45	60	—	—	9·4	7·6
	Ilfracombe ...	bcb	bbcb	47	61	—	—	8·7	6·5
6	Aberystwyth	cbc	bcc	42	57	—	—	9·9	5·1
7	Llandudno ...	b	bbc	48	57	—	—	10·0	4·8
	Colwyn Bay...	bcc	bcbc	48	56	—	—	8·9	2·5
	Rhyl	bcb	bbc	48	55	—	—	9·0	3·8
8	Wallasey ...	bc	bc	44	57	—	—	5·0	3·0
	Southport ...	bco	obc	40	61	—	—	2·3	1·7
	Blackpool ...	c	bcc	44	60	—	—	5·9	2·5
	Morecambe ...	bc	bc	*	62	—	—	7·1	4·2
9	Ilkley ...	bc	bc	45	63	—	—	8·7	4·0
	Harrogate ...	cb	bbc	43	61	Tr	—	7·7	1·8
10	Berwick-on-T.	bcb	bbcc	42	49	—	—	5·3	2·2
11	Dunbar ...	bcmo	cmo	43	56	—	—	4·3	6·9
12	Troon... ...	coc	como	44	53	—	Tr	2·3	1·1
	Douglas ...	b	b	43	60	—	—	9·5	5·2

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind variable, becoming northwest, light; cloudy, occasional rain or drizzle; rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate northwest to north wind; occasional rain at first, bright periods later; cool.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northwest to north wind; mainly cloudy, slight local rain or showers; some bright periods; rather cool.

GENERAL INFERENCE.

An anticyclone persists to the west of Ireland, while a shallow depression off the coast of Northeast England is moving slowly southsoutheast. Weather will be generally cloudy and rather cool, with occasional light rain or drizzle in most places.

FURTHER OUTLOOK.

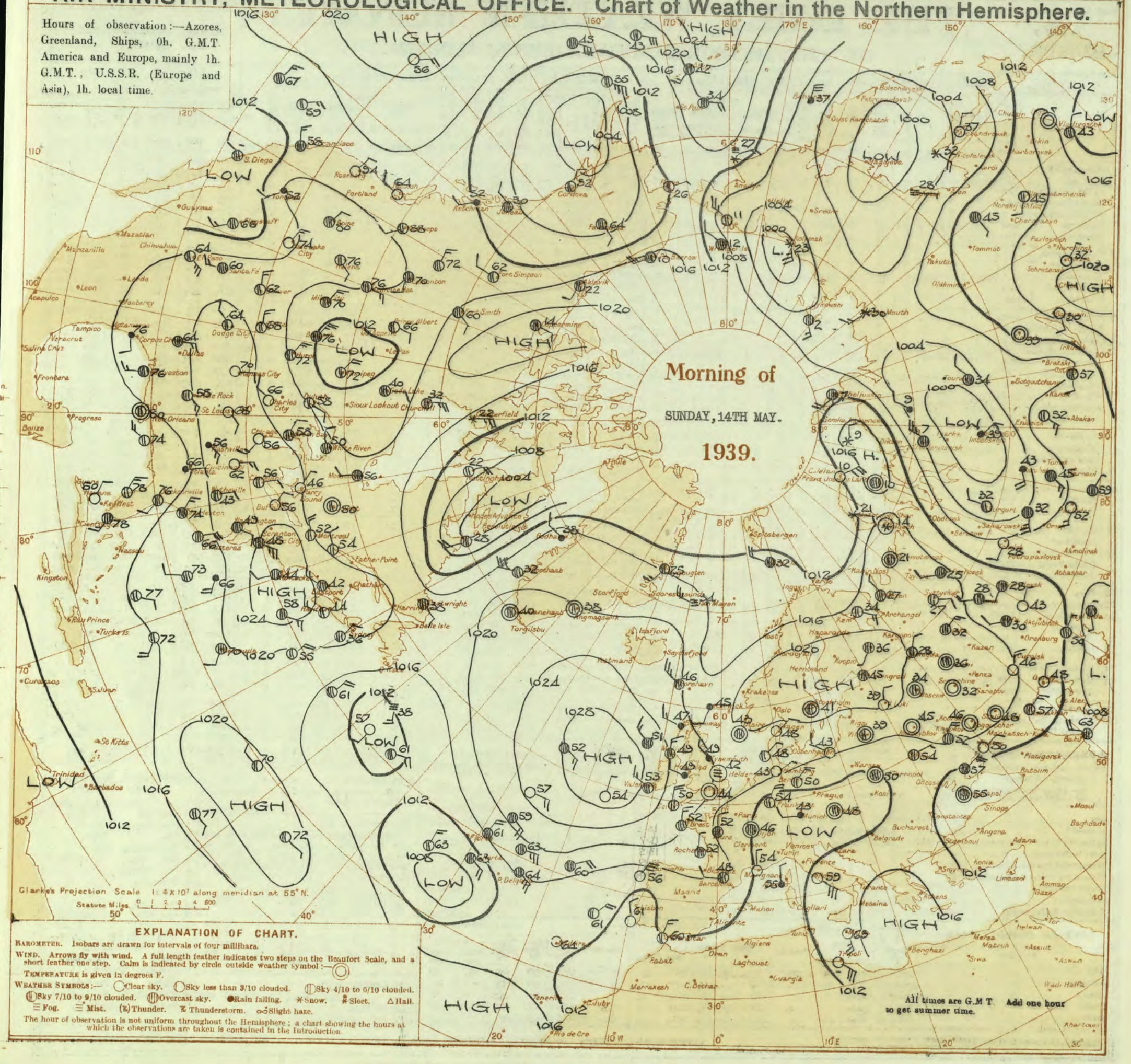
Cool and rather unsettled.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.
G.466/3884 Wt.8103 D.4528 Gp.348 35840 5/39

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 14th May, 1939.
No. 28297

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1020·5	−6	–	0	b	44	92	6	–	–	–	0	0	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1018·7	−10	N'E	4	b	45	85	7	–	–	–	0	0	–
	Manston	154	1018·7	−10	N	4	b	46	92	7	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1020·0	−6	NNW	3	c	44	85	6	5	–	–	9	9	2500
	Mildenhall	19														
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021·6	−8	NNE	2	bc	51	85	8	4	–	–	4–6	4–6	2500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32														
	Plymouth	82	1020·4	−4	NNE	3	bc	50	65	8	5	–	–	2–3	2–3	2500
	The Lizard	240														
	Scilly (St. Mary's)	163	1022·2	−4	NW'N	4	b	48	92	7	–	–	–	0	0	–
	Guernsey	175	1023·7	−2	N	4	bc	50	92	8	5	–	–	2–3	2–3	2500
			1020·0	−2	N'W	2	b	50	75	7	–	–	–	0	0	–
6	Pembroke	142	1022·5	−2	N'E	3	bc	50	75	7	8	6	–	4–6	4–6	2500
7	Holyhead	26	1021·5	−18	WNW	2	rr	49	92	7	6	2	–	4–6	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1020·9	−8	–	0	f	42	97	2	–	–	–	10	10	4150
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1019·7	−12	NW	1	ir	49	92	6	–	2	–	10	10	1500
11	St. Abbs Head	280	1018·7	−24	WNW	3	rr	47	97	6	5	–	–	10	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1021·6	−18	NW'N	3	rr	48	97	8	–	2	–	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1021·4	−12	WNW	3	id	47	92	7	5	2	–	4–6	10	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1018·8	−10	NW	3	c/d	47	92	7	5	2	–	9	10	800
16	Lerwick	156	1017·1	−18	SSW	2	dd	45	97	5	5	2	–	4–6	10	450
17	Blacksod Point	18	1026·1	−10	WNW	3	bc	49	97	8	5	–	–	4–6	4–6	1800
18	Malin Head	84	1024·3	−8	N	3	c	49	92	7	8	–	–	7–8	7–8	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·5	−6	WNW	3	c	53	92	8	8	–	–	7–8	7–8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1018·5	0	–	0	20	46	85	6	–	–	8	6	9+	–	0	*
	Croydon	1018·9	−2	W'S	1	20	44	92	6	–	–	6	0	9+	–	0	*
	S. Farnborough	1018·5	−4	W'S	1	c	43	92	6	–	7	–	0	9+	–	0	*
	Boscombe Down	1019·2	−4	NW	2	20	47	75	8	5	3	–	7–8	9+	1500	0	*
	Calshot (Sthmtn.)	1018·9	+2	SSW	1	20	49	75	6	–	–	6	0	9+	–	0	§
	Lympne	1017·4	−4	NNE	3	c	46	75	7	–	8	2	0	7–8	–	0	§
	Manston	1017·5	0	N'W	3	bc	47	85	7	–	–	6	0	7–8	–	0	*
2	Shoeburyness	1018·0	−2	NW'N	2	c	47	75	8	–	–	2	0	7–8	–	0	*
	Felixstowe	1017·7	−6	N'W	4	c	44	85	8	–	–	6	0	9	–	0	2
	Gorleston	1018·0	−4	NNW	2	c	43	92	6	5	–	–	9+	9+	2500	0	2
	Mildenhall	1018·1	−8	NW'N	2	c/f	43	97	6	5	–	–	10	10	800	1	*
	Cranwell	1018·5	−8	WSW	1	do	48	85	5	5	2	–	10	10	1500	1	*
3	Birmingham	1018·8	−8	W	2	ic	47	85	6	5	2	–	4–6	10	1500	1	*
	Upper Heyford	1019·2	−4	NW	3	20	48	85	5	5	7	–	4–6	9	1500	0	*
4	Ross-on-Wye	1019·2	−6	SW	1	id	48	85	5	6	2	–	4–6	10	2500	1	*
5	Hartland Point	1020·0	−4	N	2	ro	48	97	7	6	2	–	7–8	9+	800	1	2
	Bristol	1019·6	−4	NW	2	ro	49	85	6	5	2	–	4–6	10	5700	0	
	Portland Bill	1018·8	−6	NNW	1	c	52	65	8	5	–	–	10	10	2500	1	2
	Plymouth	1020·0	−10	NW'N	3	c	52	75	8	5	1	–	2–3	10	1500	0	1
	The Lizard	1021·0	−10	NNW	3	pr	50	92	8	8	2	–	7–8	9+	1500	1	1
	Scilly (St. Mary's)	1022·1	−2	NNW	3	cjp	51	97	7	8	2	–	4–6	10	1500	1	2
	Guernsey	1019·1	−2	N'E	1	c	50	85	6	–	1	–	0	9	–	0	1
6	Pembroke	1020·6	−6	NNE	4	c/r	50	85	7	8	2	–	7–8	10	1500	1	1
7	Holyhead	1019·5	−6	NW'N	4	c	49	85	8	9	7	–	4–6	10	1500	1	2
	Chester (Sealand)	1019·5	−14	W'N	3	20	49	85	6	6	2	–	7–8	10	1500	1	*
8	Manchester	1018·1	−14	WNW	3	ro	49	97	6	5	2	–	4–6	10	800	1	*
10	Spurn Head	1017·3	−10	W'N	2	ir	49	92	4	5	–	–	10	10	1500	1	0
	Catterick	1016·8	−14	–	0	ro	49	92	7	5	2	–	7–8	10	2500	1	*
	Tynemouth	1016·3	−14	WNW	2	ro	47	97	6	–	2	–	10	10	1500	1	6
11	St. Abbs Head	1016·9	−6	NNW	2	rr	46	97	8	3	2	–	7–8	10	2500	1	2
	Leuchars	1016·8	−8	W	1	c/r	49	85	3	5	7	–	4–6	9+	2500	1	*
12	Renfrew (Abbots I.)	1018·1	−6	NW	3	c	50	85	9	5	3	–	7–8	9	4000	1	*
	Eskdalemuir	1016·8	−8	N	3	c/r	48	85	8	5	2	–	7–8	9+	1500	1	*
	Point of Ayre	1018·6	−8	N'W	4	c	49	97	8	5	4	–	7–8	9	1500	1	2
13A	Tiree	1019·3	−10	NW'N	2	c	50	92	7	5	–	–	9	9	2500	0	2
13B	Stornoway	1018·7	−6	NW	3	))	47	92	7	8	–	–	9+	9+	1500	1	1
15	Dalwhinnie	*	−8	W	1	c	46	85	8	5	–	–	10	10	1500	0	*
	Aberdeen	1016·5	−8	NW'N	3	c	48	85	8	9	7	–	7–8	9	1500	1	1
	Wick	1016·0	−12	WNW	3	id	48	92	7	5	1	–	7–8	9+	800	1	1
16	Lerwick	1015·1	−4	WNW	2	c	47	92	8	8	7	–	4–6	9	1500	1	*
17	Blacksod Point	1023·3	−14	WNW	3	c	52	85	8	5	–	–	10	10	1500	1	2
18	Malin Head	1020·9	−16	W'N	4	c	50	92	7	9	–	–	9	9	1500	0	2
	Aldergrove	1021·0	−12	NW	3	c	49	85	8	7	–	–	9+	9+	4000	1	*
19	Birr Castle	1023·4	−4	NW	1	c	49	97	8	5	–	–	7–8	10	2500	0	*
20	Valentia Obsy. †	1023·6	−2	N'W	4	c	53	92	8	5	–	–	9+	9+	800	0	2
	Roches Point	1022·8	−8	NW	3	c	54	92	8	5	7	–	4–6	7–8	1500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F.	Temperature Min. Night 18h–7h °F	Temperature Min. on Grass °F.	Rainfall Day 7h–18h mm.	Rainfall Night 18h–7h mm.	Sunshine 13h. G.M.T. Hrs. (36)
London (Kew)	63	40	27	–	–	14·2
Croydon	64	40	30	–	–	13·5
S. Farnborough	63	32	28	–	–	13·9
Boscombe Down	62	40	33	–	–	13·1
Calshot (Sthmtn.)	66	42	46	–	–	13·2
Lympne	56	41	39	–	–	13·9
Manston	54	43	41	–	–	13·4
Shoeburyness	62	39	34	–	–	14·4
Felixstowe	61	39	34	–	–	14·0
Gorleston	55	41	40	–	–	14·0
Mildenhall	61	35	31	–	Tr	13·9
Cranwell	61	38	31	–	Tr	13·2
Birmingham	63	47	38	–	0·1	8·7
Upper Heyford	62	42	30	–	Tr	*
Ross-on-Wye	64	45	37	–	0·1	10·6
Hartland Point	54	48	47	–	0·4	9·8
Bristol	64	45	36	–	0·1	11·2
Portland Bill	62	46	*	–	–	*
Plymouth	64	49	46	–	–	11·2
The Lizard	62	47	*	–	Tr	13·0
Scilly (St. Mary's)	56	49	*	–	0·2	12·7
Guernsey	55	44	40	Tr	–	9·9
Pembroke	61	48	*	–	1	10·2
Holyhead	53	48	47	–	9	9·9
Chester (Sealand)	57	46	43	–	3	7·1
Manchester	63	47	45	–	2	5·6
Spurn Head	51	41	*	–	Tr	13·6
Catterick	59	46	45	–	2	6·0
Tynemouth	47	46	45	–	2	4·2
St. Abbs Head	50	45	*	–	6	*
Leuchars	59	47	46	0·2	5	1·7
Renfrew (Abbots I.)	58	47	45	1	2	0·8
Eskdalemuir	61	41	43	Tr	10	5·5
Point of Ayre	57	47	*	–	4	8·9
Tiree	51	47	45	4	–	0·0
Stornoway	52	46	*	2	1	0·0
Dalwhinnie	56	42	40	1	0·2	0·2
Aberdeen	53	46	45	0·5	4	4·7
Wick	49	46	*	Tr	0·2	*
Lerwick	48	44	*	0·2	2	0·0
Blacksod Point	54	48	*	Tr	*	*
Malin Head	52	48	*	6	0·2	0·5
Aldergrove	61	47	47	2	2	3·5
Birr Castle	64	48	48	–	2	9·1
Valentia Obsy. †	60	53	51	–	–	10·4
Roches Point	59	59	*	–	0·2	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	by bcy	bcy	bcy bcmw	63	40	27	–	–	14·2	*	*	6
Croydon	217	bcc	cy bcy ⊕	cy bzwfog ⊕	64	40	30	–	–	13·5	*	*	6
Greenwich (Royal Observatory)	149	by	bcby ⊕	bwcy ⊕	63	41	31	–	Tr	13·7	41	56	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	13·5	*	*	*
Westminster (St. James' Park)	27	*	*	*	66	44	37	–	–	13·9	61	63	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	65	40	37	–	–	13·4	39	52	*
Camden Square	110	b	bc	*	67	42	34	–	–	*	*	51	*
Kensington	80	bc	bc	*	65	41	*	–	–	14·2	At 18h 61	85	*
Hampstead Observatory	450	bc	bc	bc	61	41	40	–	–	13·8	*	57	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 14th.

South Kensington Max.	Time.	Min.	Time.
<0·3	whole period		

Kew Observatory Max.	Time.	Min.	Time.
0·1	21h 13th	<0·1	Rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 13th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 14th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1013·5	NE	4	20	55	1014·9	N	3	b	50
Brussels	1014·7	NE	3	c	57	1014·4	NE	2	b	52
Berlin	1014·1	ENE	4	b	59	1012·8	NNE	2	b	52
Zürich	1010·3	WSW	1	o	50	1010·2	SW	1	ro	45
Rome	1012·6	SSE	3	b	63	1009·4	SSW	3	bc	63

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
57	48	2	Tr
59	45	–	–
61	45	–	–
52	45	0·1	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, KINGSWAY, LONDON W.C.2

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 15th May, 1939.

No. 28298

OBSERVATIONS at 13h. G.M.T. 14th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°Temp. F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)…	1015.1	−18	NNW	3	c/pr	57	65	6	5	1	–	4-6	10	1500
	Croydon … …	1015.6	−18	NW	3	c	59	55	6	6	1	–	4-6	10	4000
	S. Farnborough	1015.4	−16	WNW	2	iro	58	75	6	6	2	–	7-8	10	1500
	Boscombe Down	1016.2	−18	NW	1	roro	52	75	6	5	2	–	9+	10	1500
	Calshot (Soton.)	1016.0	−18	NWN	3	zo	56	55	6	7	7	7	4-6	10	2500
	Lympne …	1015.4	−10	SSE	2	c	56	75	8	1	–	8	1	9	4000
	Manston …	1015.0	−18	N	2	c	56	55	7	–	–	6	0	9	–
2	Shoeburyness …	1014.5	−20	SSE	2	c	57	65	7	1	–	7	1	9+	4000
	Felixstowe …	1014.8	−18	SSE	3	c	54	75	7	1	1	–	1	9+	2500
	Gorleston …	1014.8	−20	NE'E	2	c	50	85	6	5	–	–	9+	9+	2500
	Mildenhall …	1014.8	−10	W'N	3	iro	56	75	6	5	1	–	4-6	10	2500
	Cranwell …	1015.0	−18	SW'W	2	roro	52	92	6	5	1	–	4-6	10	1500
3	Birmingham …	1015.6	−16	WNW	3	c/r	50	92	6	6	2	–	7-8	10	600
	Upper Heyford	1016.3	−22	WNW	3	dodo	50	85	6	6	2	–	9	10	1500
4	Ross-on-Wye …	1016.2	−16	NNW	2	ido	51	65	8	5	1	–	9+	10	2500
5	Hartland Point	1018.3	−8	N	3	c	51	85	8	8	1	–	7-8	9+	1500
	Bristol … …	1016.4	−14	NW	3	c	54	75	7	8	7	–	4-6	10	2500
	Portland Bill …	1016.3	−16	W	2	o	52	85	7	5	–	–	10	10	1500
	Plymouth …	1017.9	−14	NW	4	c	53	75	8	5	–	–	10	10	800
	The Lizard …	1019.9	−10	NW	4	c	56	75	8	8	2	–	7-8	9+	1500
	Scilly (St. Mary's)	1020.7	−10	N'W	4	bc	56	60	8	8	7	3	2-3	4-6	1500
	Guernsey …	1017.6	−8	NNW	2	c/r	55	65	6	5	2	–	4-6	10	2500
6	Pembroke …	1018.9	−6	N'W	3	c	52	85	8	5	7	–	4-6	9+	1500
7	Holyhead …	1017.1	−14	WN	4	c/pr	50	85	8	8	7	–	7-8	10	2300
	Chester (Sealand)	1015.9	−16	NWW	5	c	53	85	8	8	–	–	9+	9+	1500
8	Manchester …	1014.5	−18	WNW	3	c/d	50	92	6	5	7	–	4-6	9+	2500
10	Spurn Head …	1015.6	−22	SW'S	2	roro	50	97	6	6	2	–	7-8	10	1500
	Catterick …	1014.0	−12	NEN	2	ir	49	92	6	6	2	–	4-6	10	800
	Tynemouth …	1014.4	−12	N	4	ir	47	92	7	–	2	–	10	10	1500
11	St. Abbs Head…	1014.2	−12	WNW	1	iro	48	92	8	8	2	–	4-6	10	1500
	Leuchars …	1014.0	−20	E	2	c/r	51	75	7	8	7	2	4-6	9+	1500
12	Renfrew (AbbotsI.)	1014.1	−24	NW	5	c	56	65	9	8	4	–	7-8	7-8	4000
	Eskdalemuir …	1014.2	−14	–	0	iro	48	85	7	9	1	–	7-8	9+	1500
	Point of Ayre …	1015.9	−16	NWN	5	c	53	92	8	8	7	–	T7	9+	1500
13A	Tiree … …	1017.3	−10	NNW	4	bc/pr	55	85	8	8	4	–	4-6	4-6	2500
13B	Stornoway …	1018.2	−4	NNW	4	c/pr	51	75	8	5	7	–	7-8	9+	2500
15	Dalwhinnie …	1015.8	0	NE	4	c	46	85	7	4	5	–	7-8	9+	1500
	Aberdeen …	1014.1	−16	NW	2	c/pr	49	85	8	9	7	–	7-8	9+	1500
	Wick … …	1014.8	−6	NNW	3	c/pr	48	85	8	8	7	8	4-6	7-8	1500
16	Lerwick… …	1013.5	−14	N	2	c/r	49	85	7	8	7	–	7-8	9+	800
17	Blacksod Point…	1020.8	−14	NW	3	c	55	92	7	5	–	–	10	10	220
18	Malin Head …	1018.9	−6	N	3	c	51	85	7	6	7	–	4-6	7-8	1500
	Aldergrove …	1017.5	−22	NNW	3	c/pr	52	85	8	8	–	–	9+	9+	1500
19	Birr Castle …	1019.5	−18	NW	1	c	55	75	8	5	1	–	7-8	10	2500
20	Valentia Obsy.†	1022.4	−14	NNW	4	c/pr	54	85	7	5	–	–	10	10	800
	Roches Point …	1019.8	−18	N'W	4	c	60	75	9	8	7	–	4-6	9	1500

OBSERVATIONS at 18h. G.M.T. 14th May

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1012.2	−16	W	2	c/r	51	92	5	5	2	–	7-8	10	1500	1	*
Croydon	1013.1	−16	WN	2	iro	51	92	5	6	7	–	4-6	10	1500	1	*
S. Farnborough	1012.6	−24	W	2	ido	51	92	6	5	2	–	7-8	10	2500	1	*
Boscombe Down	1013.4	−16	NW	3	c	52	85	7	7	7	–	7-8	9+	2500	1	*
Calshot (Soton.)	1013.4	−14	W	2	c/r	53	85	6	5	7	8	4-6	9	2500	1	1
Lympne	1012.8	−14	N	1	iro	50	85	7	5	2	–	7-8	10	2500	0	§2
Manston	1012.4	−12	NW	3	roro	51	85	6	5	2	–	7-8	10	2500	1	*
Shoeburyness	1012.2	−12	NW	1	roro	51	92	6	6	2	–	4-6	10	2500	1	*
Felixstowe	1012.3	−14	NW	1	roro	51	92	6	6	2	–	1	10	800	1	1
Gorleston	1011.5	−10	E	1	roro	51	75	6	6	–	–	10	10	1500	1	2
Mildenhall	1011.1	−20	SW'S	3	roro	50	97	5	6	2	–	7-8	10	1500	1	*
Cranwell	1011.9	−16	NW	2	roro	49	92	5	6	2	–	7-8	10	1500	1	*
Birmingham	1012.1	−16	NW	3	c	52	85	6	5	7	–	7-8	9+	1500	1	*
Upper Heyford	1013.1	−18	WNW	3	c/pr	49	92	8	5	8	–	7-8	10	1500	1	*
Ross-on-Wye	1013.2	−14	W'N	3	c	52	75	8	5	1	–	9	10	2500	1	*
Hartland Point	1016.1	−14	NNW	3	c	51	85	8	8	1	–	4-6	7-8	1500	0	2
Bristol	1013.9	−14	NW	4	c	53	65	8	5	–	–	10	10	2500	0	*
Portland Bill	1013.8	−16	NW	3	c	54	75	8	5	4	–	4-6	9	2500	1	2
Plymouth	1016.0	−12	NW	4	c	53	65	8	8	3	–	2-3	7-8	1500	0	1
The Lizard	1017.1	−10	WNW	3	c	52	85	8	8	2	–	7-8	9+	1500	0	1
Scilly (St. Mary's)	1018.8	−12	NW	3	c	56	85	8	8	7	3	2-3	7-8	1500	0	2
Guernsey	1016.4	−12	NW	3	c	51	92	7	8	3	–	7-8	10	2500	0	2
Pembroke	1016.1	−12	NW	3	c/pr	51	85	7	8	–	–	9+	9+	1500	1	1
Holyhead	1014.3	−18	WNW	2	c	51	85	8	8	4	–	7-8	9+	2500	1	2
Chester (Sealand)	1013.1	−16	WNW	5	c	51	75	8	8	–	–	9+	9+	1500	1	*
Manchester	1012.1	−14	WNW	3	c/d	50	92	7	5	2	–	7-8	10	800	1	*
Spurn Head	1010.4	−18	NNW	5	rr	48	92	6	5	–	–	10	10	800	1	3
Catterick	1011.7	−12	NE	2	irc	48	85	6	9	7	–	7-8	10	1500	1	*
Tynemouth	1012.1	−6	N	3	bc/pr	48	92	8	2	3	1	2-3	4-6	2500	1	1
St. Abbs Head	1012.7	−8	NW	2	rr	46	92	8	3	2	–	4-6	10	1500	1	1
Leuchars	1012.7	−10	E	1	c/pr	50	85	8	8	7	–	7-8	9	1500	1	*
Renfrew (AbbotsI.)	1013.4	−6	S	1	PR	49	65	8	9	6	–	9	9+	1500	1	*
Eskdalemuir	1012.0	−8	NNE	3	c/r	47	85	8	9	7	–	4-6	9+	1500	1	*
Point of Ayre	1012.9	−14	NWN	5	c	51	92	8	5	4	5	4-6	7-8	1500	0	3
Tiree	1016.2	−4	N	6	bc	50	85	8	7	5	1	2-3	4-6	2500	0	3
Stornoway	1016.9	−4	NNW	5	pr	48	75	6	8	4	–	7-8	9	2500	1	2
Dalwhinnie	•	−8	NE	5	c	45	85	7	5	2	–	7-8	10	2500	1	*
Aberdeen	1012.8	−6	N'W	4	pr	49	75	8	8	6	1	7-8	7-8	1500	1	1
Wick	1014.0	−4	NNE	3	c/pr	46	75	8	8	7	–	4-6	9+	800	1	1
Lerwick	1014.1	+4	E'S	3	c/r	45	85	7	8	7	–	7-8	10	800	1	*
Blacksod Point	1019.5	−6	N'E	4	c	52	85	8	5	–	–	10	10	800	0	3
Malin Head	1017.2	−10	N	5	c	50	85	8	8	4	–	4-6	7-8	5700	0	2
Aldergrove	1015.4	−12	N'W	4	c	52	75	8	8	8	3	4-6	9	1500	1	*
Birr Castle	1017.0	−14	NW	2	c/r	55	85	7	6	2	–	4-6	10	800	0	*
Valentia Obsy.†	1020.0	−14	NNW	4	c	54	65	8	5	–	–	9+	9+	1500	0	2
Roches Point	1017.4	−18	N'W	4	c	56	85	9	8	2	–	4-6	9	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 14th (37)	13h.—18h. 14th (38)	18h. 14th to 1h. 15th (39)	1h.—7h. 15th (40)
London (Kew)	czoprocczo	crocromo	cidomoc	crrodod omo
Croydon	cmo⊕zo	rodordmo	ciroidomo,c	ciroido
S. Farnborough	cmoyiro	crodoRido	idoirc	c
Boscombe Down	irororo	rorocprc	ciroc	cbcc
Calshot (Soton.)	cmoycmo	ciroirmo	iroirmo	cmocpr
Lympne	cbybcc	cciro	cmororo	cmoiroido
Manston	bccy	cycroromo	ororromo	ciroproc
Shoeburyness	bcc	croromoc	roromoc	iromoc
Felixstowe	cbcvc	cvororomo	ororoc	c
Gorleston	czo⊕	copororo	orro	oc
Mildenhall	cmoiro	cmoirororo	roroRRc	cmoc
Cranwell	omororo	omororo	ororomobc	ccdodomo
Birmingham	⊕iro	oiro	co	oRro
Upper Heyford	mdodoirm	cdodomopr	cbcc	crdodomo
Ross-on-Wye	roroc	roc	cbcb	cror
Hartland Point	roroc	c	idiro	cp
Bristol	rorocro	croc	cpro	cbccp
Portland Bill	orr	oc	c	cpro
Plymouth	ociroc	c	c	cprbc
The Lizard	prrrc	c	cdf	dfprc
Scilly (St. Mary's)	cbc	bcc	coido	odocroc
Guernsey	ciro	ciro	c	corrc
Pembroke	cpro	cproq	proc	prc
Holyhead	cproc	c	c,bc	bcproc
Chester (Sealand)	morrirdrc	proc	c	RRrrcmo
Manchester	crodddomo	cmoidoc	cdororr	crcmo
Spurn Head	iror	irrr	irprc	·
Catterick	iRdor	roroiro	cmoiroc	crroromo
Tynemouth	oir	oircp	bcc	cp
St. Abbs Head	crr	irrrc	rrc	idor
Leuchars	cro roc	RRroPR	PRHc	c
Renfrew (AbbotsI.)	c	cproPR	cPRpro	cbccpro
Eskdalemuir	irocrro	ciriro	iroc	ccpro
Point of Ayre	c	cbcc	cbc	cbcc
Tiree	bcpro	bc	bc	bc
Stornoway	cDDpr	cpr	cbcpr	bccPR
Dalwhinnie	crr	ciR	•	cRr
Aberdeen	cpr	probc	cprocr	rrc
Wick	idopr	cprqc	cprc	cprid
Lerwick	cir	ciro	cpro	cir
Blacksod Point	id	idc	proc	prc
Malin Head	cproc	cbcc	cbccbc	bcc
Aldergrove	ddproc	cproc	c	cproc
Birr Castle	c	ciro	c	c
Valentia Obsy.†	cproc	cproc	cproc	cproc
Roches Point	c	cpocv	ciroc	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. Ⓤ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

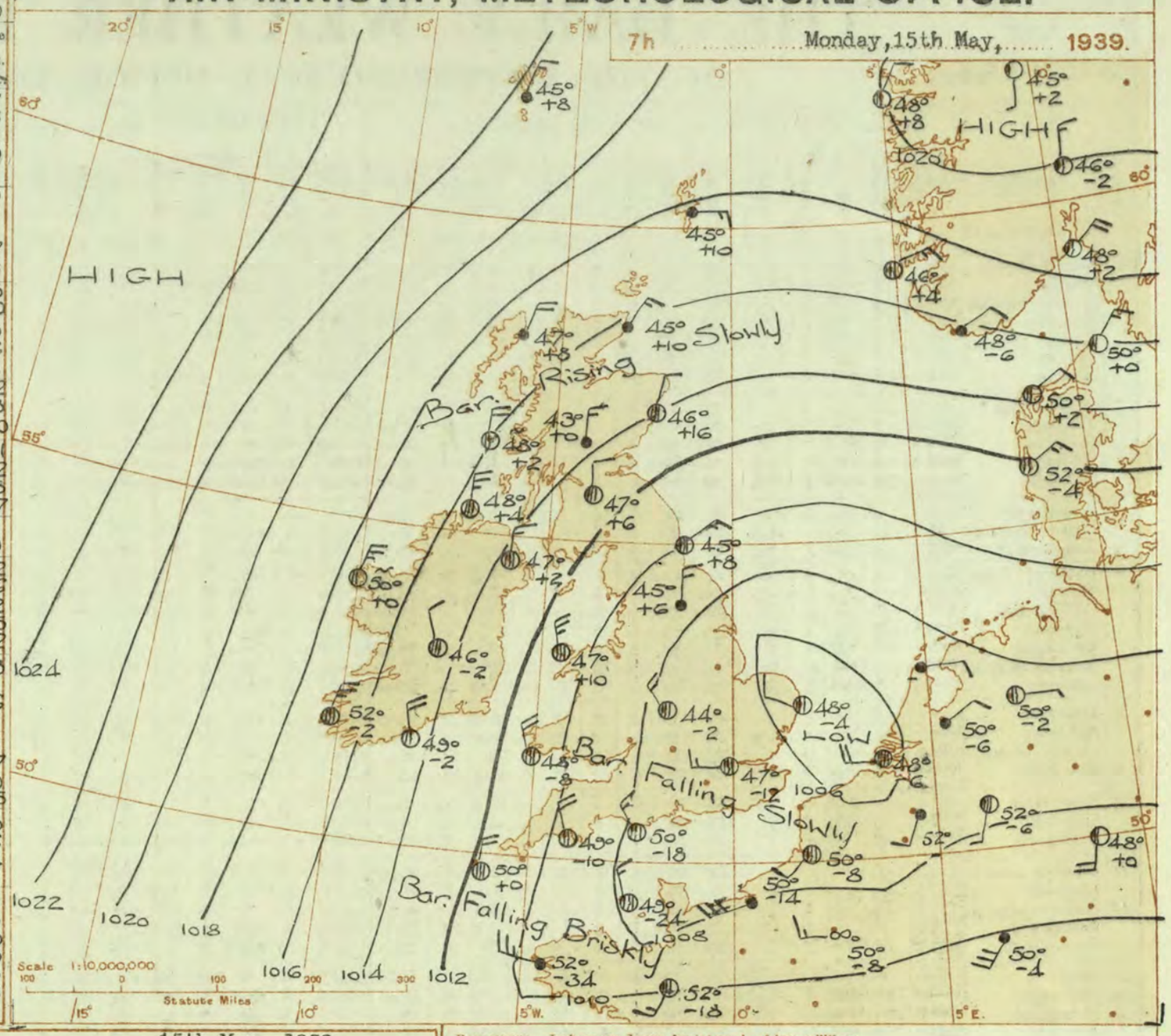
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 14th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 13th to 9h. 14th.	Temperature. (°F) Max. 9h.—17h. 14th.	Rainfall. (mm.) Night. 17h. 13th to 9h. 14th.	Rainfall. (mm.) Day. 9h.—17h. 14th.	Sunshine. (Hrs.) Sunrise to 17h. 14th.	Sunshine. (Hrs.) Sunrise to Sunset. 15th.
1	Tunbridge W.	bbc	copo	37	62	–	Trace	5.7	13.7
	Bournemouth	o	od.o	42	57	–	Trace	0.1	12.8
	Ventnor ...	bc	bpo	44	60	–	Trace	0.7	11.2
	Southsea ...	bbc	cod.	45	62	–	Trace	2.3	13.9
	Bognor Regis	bc	bccr	42	62	–	Trace	3.7	11.8
	Littlehampton	bcc	ccpc	44	62	–	Trace	3.4	13.0
	Worthing ...	bbcc	or	45	62	–	1	3.9	13.1
	Brighton ...	bc	bcr	44	63	–	0.4	4.7	13.1
	Eastbourne† ...	bybcy	cyo	45	63	–	–	6.1	13.7
	Hastings† ...	bbcc	co	42	63	–	–	6.5	13.8
	Folkestone ...	b	bcco	44	62	–	–	8.0	11.5
	Dover ...	bc	bcco	45	62	–	–	7.7	10.0
	Deal	bcb	bco	43	59	–	–	7.7	9.3
	Ramsgate ...	bc	co	45	56	–	–	7.7	12.6
	Margate ...	bc	bcc	46	57	–	–	7.0	13.1
2	Southend ...	bbco	or	41	63	–	0.5	5.4	14.2
	Clacton-on-Sea	bcc	cog	40	59	–	Trace	6.1	14.3
	Dovercourt ...	bc	bcbc	39	62	–	Trace	6.9	14.0
	Lowestoft ...	bbcc	ccr	41	56	–	Trace	4.1	14.1
	Skegness ...	orr	orr	39	54	–	4	0.0	14.2
	Mablethorpe...	or	or	49	53	Trace	3	0.0	13.3
	Cleethorpes ...	cdcd	cdcd	40	52	0.5	5	0.0	13.7
3	Leamington S.	or	cor	43	53	0.3	1	0.0	12.1
4	Cheltenham†	cop	oir	44	54	Trace	2	0.0	11.9
5	Bath	cir	cir	42	57	0.3	0.5	0.0	12.2
	Weymouth ...	rc	c	44	57	Trace	0.1	0.0	13.6
	Jersey ...	cbc	c	49	60	–	–	1.5	11.2
	Torquay ...	c	cqyv	48	58	Trace	–	0.5	11.5
	Falmouth ...	c	c	50	56	Trace	–	0.3	13.2
	Penzance ...	pcbc	c	50	60	Trace	–	1.6	12.5
	St. Ives ...								
	Bude... ...	c	c	45	53	0.5	–	0.4	10.6
	Ilfracombe ...	bcpo	obco	49	55	0.4	–	0.7	9.7
6	Aberystwyth	prcbc	cpr	49	55	3	–	0.8	9.9
7	Llandudno ...	cd.	rc	48	53	5	0.2	0.4	10.7
	Colwyn Bay...	oc	cbcc	48	54	5	–	0.3	9.0
	Rhyl	c	bcc	48	54	6	–	1.1	9.5
8	Wallasey ...	rc	cbcc	48	56	5	0.3	1.2	5.3
	Southport ...	obco	bcobc	48	58	5	–	1.3	3.6
	Blackpool ...	c	cpc	48	54	5	Trace	0.5	6.4
	Morecambe ...	cp	cdr	48	55	4	1	0.2	7.3
9	Ilkley... ...	od.o	orr	48	56	1	8	0.0	8.9
	Harrogate ...	crr	crr	48	51	2	6	0.0	8.0
10	Berwick-on-T.	or	rbcc	45	51	6	0.3	0.3	5.3
11	Dunbar ...	cpr	cpr	45	52	8	4	0.1	4.3
12	Troon... ...	dcoc	bccor	48	56	5	0.5	3.5	2.3
	Douglas ...	cir	bc	47	58	3	*	3.5	3.8

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind northeast, moderate or fresh; cloudy, occasional rain or showers, perhaps with thunder locally; cold.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Wind northeast, moderate or fresh; some showers, perhaps with thunder locally but bright periods; cold.
10 N.E. England 11 S.E. Scotland	Wind northeast, moderate or fresh; cloudy, occasional rain to-day, brighter intervals tomorrow; cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind north to northeast, moderate or fresh; some showers but bright periods; cool.

GENERAL INFERENCE.

An anticyclone remains stationary to the west of Ireland and a depression centred over the North Sea near Great Yarmouth is moving slowly southwards. Winds will remain chiefly between North and East and it will be cold with some rain or showers in all districts but in Ireland and the western half of Great Britain there will be bright periods.

FURTHER OUTLOOK.

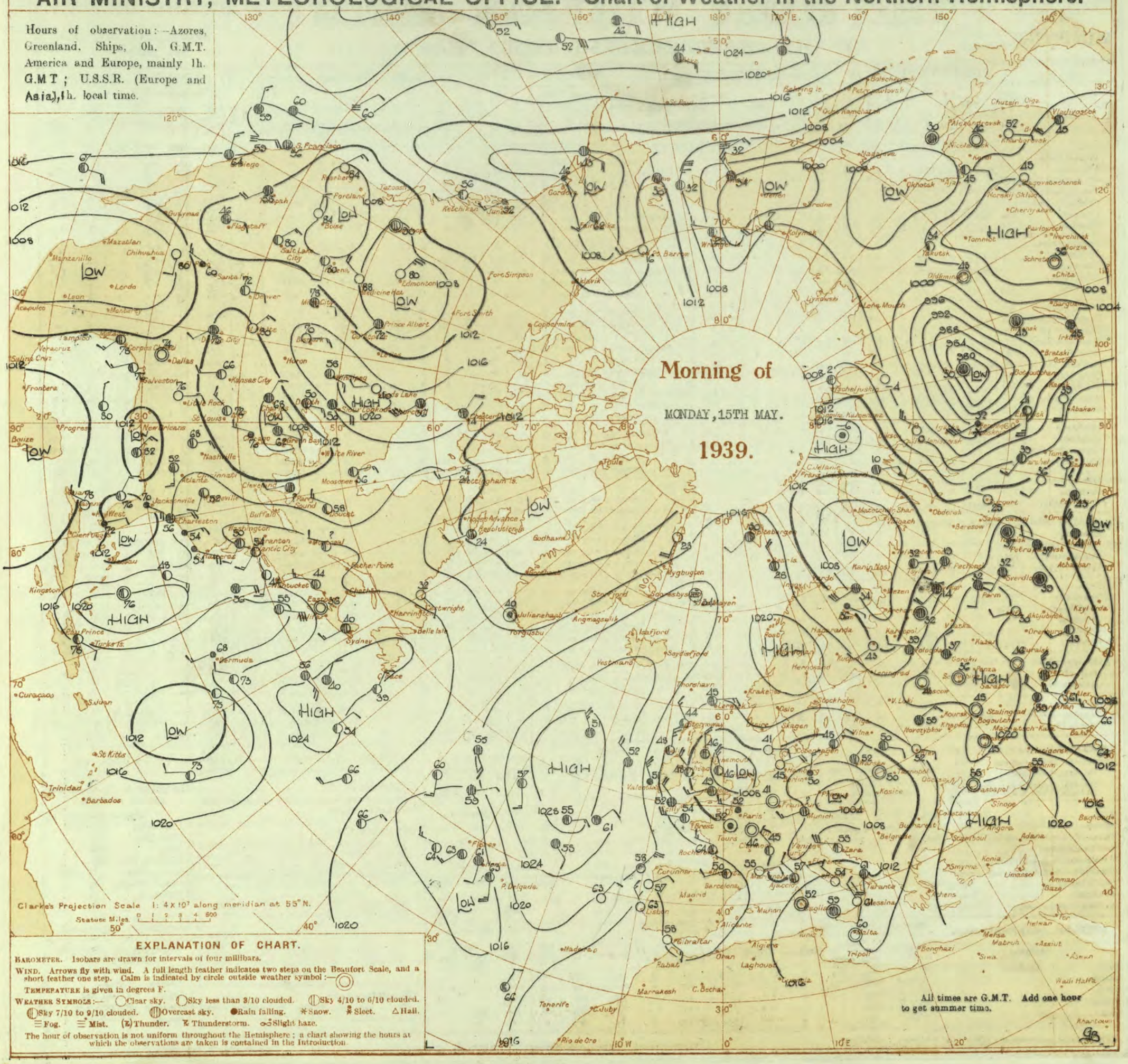
Unsettled and cold.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 15th May, 1939.
No. 28298

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1009·6	-20	W'S	3	c	49	92	7	5	2	-	7·8	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1009·1	-22	W	2	dr	48	92	5	5	-	-	10	10	1500
	Manston ...	154	1007·7	-22	WNW	4	ir.	48	92	6	6	2	-	9	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1006·8	-20	NW'N	3	o/r	48	92	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011·9	-20	NW	3	c	49	97	8	5	-	-	9+	9+	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1011·0	-20	NW	3	c	50	85	8	5	-	-	4·6	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012·7	-28	W	2	df	51	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1013·8	-24	NW'W	4	o/d	52	97	7	5	-	-	10	10	800
	Guernsey ...	175	1012·3	-18	W	4	c	50	92	6	8	-	-	10	10	2500
6	Pembroke ...	142	1012·5	-8	SSW	3	c	49	92	8	8	-	-	7·8	7·8	1500
7	Holyhead ...	26	1010·6	-18	NW'N	4	bc	48	85	8	8	4	-	2·3	4·6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10067	-22	NNW	5	bc	46	92	6	5	-	-	4·6	4·6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010·3	-12	N	4	c	46	97	8	8	-	-	7·8	7·8	1500
11	St. Abbs Head	280	1011·3	-10	NNW	4	rr	45	92	8	3	2	-	7·8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011·6	-2	NNE	3	bc	48	97	8	5	-	-	4·6	4·6	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016·8	0	NNW	3	bc/pr	44	92	8	8	-	-	4·6	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1013·5	-4	N	3	c	46	92	7	8	1	-	7·8	9+	800
16	Lerwick ...	156	1015·7	+2	E	3	c/pr	45	92	8	8	7	-	4·6	9	1500
17	Blacksod Point	18	1018·2	-8	N'E	5	c	50	92	8	8	-	-	10	10	800
18	Malin Head ...	84	1016·0	-4	N	5	bc	48	75	7	8	-	-	4·6	4·6	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1018·6	-10	NNW	5	id	51	97	5	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1006·2	-12	NW'N	1	d.d.	47	85	6	5	-	-	10	10	1500	1	*
Croydon ...	1006·6	-12	W	3	c/d	47	92	6	6	7	-	9	9+	1500	1	*
S. Farnborough	1006·3	-12	WNW	2	ir.	48	85	7	5	-	-	9+	9+	2500	1	*
Boscombe Down	1006·7	-14	NNW	3	c	48	75	7	5	7	-	4·6	9	2500	0	*
Calshot (Sthmtn.)	1006·7	-18	W'N	2	bc	49	85	8	7	4	6	4·6	4·6	4000	1	1
Lympne ...	1007·0	-10	NW	1	ir.	46	92	6	5	2	-	7·8	10	2500	1	§0
Manston ...	1005·8	-10	NW	2	c/pr	47	92	6	5	7	-	7·8	9+	1500	1	*
Shoeburyness ...	1006·4	-8	SSW	1	ir.	47	85	7	6	7	-	4·6	10	1500	1	*
Felixstowe ...	1006·0	-6	NW	4	c	47	85	7	5	-	-	9+	9+	2500	1	3
Gorleston ...	1005·2	-4	WNW	2	c	48	85	6	5	-	-	9+	9+	2500	1	2
Mildenhall ...	1005·4	-6	WNW	3	c	47	92	7	8	2	-	9+	10	1500	1	*
Cranwell ...	1006·3	-10	NW	3	d.d.	45	97	6	5	-	-	10	10	450	1	*
Birmingham ...	1007·4	-2	NW	3	c/r	44	97	6	6	1	-	7·8	10	800	1	*
Upper Heyford	1007·3	-4	N'W	3	d.d.	43	92	4	6	2	-	10	10	800	1	*
Ross-on-Wye	1008·2	-6	NE	3	rr	42	92	6	6	2	-	2·3	10	1500	1	*
Hartland Point	1009·3	-6	N	5	c/p	48	85	8	9	6	1	7·8	9	1500	0	3
Bristol ...	1007·6	-10	NW	2	PR	46	92	7	5	2	-	9	10	1500	1	*
Portland Bill ...	1006·8	-18	NW	3	c	50	75	8	5	4	-	4·6	10	2500	1	3
Plymouth ...	1009·2	-10	NNW	4	bc	49	85	8	8	4	1	2·3	4·6	1500	1	1
The Lizard ...	1010·2	-6	NW	5	c/pr	50	85	8	8	4	-	7·8	7·8	2500	1	3
Scilly (St. Mary's)	1011·7	0	N	4	c	50	92	8	8	7	3	4·6	7·8	1500	1	3
Guernsey ...	1007·6	-24	NNW	3	c/r	49	97	7	8	3	-	7·8	9+	800	1	3
Pembroke ...	1010·4	-8	N'W	4	c	48	85	7	8	-	-	9	9	1500	1	2
Holyhead ...	1010·6	+10	N'W	5	c/pr	47	85	8	9	4	-	9	9+	2500	1	3
Chester (Sealand)	1009·5	0	N'W	3	2.	47	85	6	8	-	-	9+	9+	2500	1	*
Manchester ...	1008·7	-2	NNW	4	2.	47	75	6	8	3	-	4·6	9	2500	1	*
Spurn Head ...	1008·9	+6	N	3	r.r.	45	97	6	6	2	-	9	10	800	1	*
Catterick ...	1009·9	+8	ENE	3	c/pr	45	92	7	9	-	-	9+	9+	800	1	2
St. Abbs Head	1011·9	+16	NE	4	c/r	45	92	8	9	2	-	7·8	10	1500	1	3
Leuchars ...	1013·1	+10	NNE	2	c	46	92	7	5	2	-	9+	10	1500	1	*
Renfrew (Abbots I.)	1013·5	+6	N	2	c/pr	47	75	9	5	7	-	9	9+	2500	1	*
Eskdalemuir ...	1010·7	-2	NNE	4	pr	43	85	8	5	-	-	10	10	1500	1	*
Point of Ayre ...	1011·6	+2	NNE	4	c	48	85	8	8	4	-	Tr	9	2500	0	3
Tiree ...	1015·5	+2	N	4	bc	48	75	8	2	3	-	4·6	4·6	2500	0	4
Stornoway ...	1017·4	+8	NNE	4	pr	47	92	8	5	7	-	7·8	9+	1500	1	2
Dalwhinnie ...	1015·7	0	N	3	rr	43	92	7	6	2	-	4·6	10	2500	1	*
Aberdeen ...	1014·6	+16	N'E	2	c	46	92	7	5	7	-	2·3	9	1500	1	1
Wick ...	1015·7	+10	NE	3	id	45	97	7	5	2	-	7·8	10	800	1	1
Lerwick ...	1017·7	+10	E	3	ir	45	97	7	8	1	-	4·6	10	800	1	*
Blacksod Point	1017·8	0	NNE	5	bc	50	85	8	3	-	-	4·6	4·6	1500	1	4
Malin Head ...	1016·1	+4	N	5	c	48	85	8	2	5	-	4·6	7·8	5700	0	3
Aldergrove ...	1013·7	+2	N	3	c	47	75	9	8	-	-	7·8	7·8	1500	1	*
Birr Castle ...	1015·4	-2	NNW	2	c	46	85	3	5	-	-	7·8	7·8	2500	0	*
Valentia Obsy. †	1016·9	-2	N'E	5	c	52	65	8	5	-	-	7·8	7·8	2500	0	2
Roches Point	1015·3	-2	N'W	4	bc	49	85	9	5	-	-	2·3	2·3	2500	0	2

PAST 24 HOURS.

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)	Night 18h–7h mm. (35)	Sunshine 14th Hrs. (36)
London (Kew)	60	47	46	0.1	1	2·7
Croydon ...	61	47	45	1	0·2	4·2
S. Farnborough	59	44	40	2	0·3	1·1
Boscombe Down	54	45	41	0.1	Tr	0·1
Calshot (Sthmtn.)	59	45	43	0.2	1	1·1
Lympne ...	58	45	45	Tr	1	7·9
Manston ...	59	47	45	0.5	2	7·5
Shoeburyness ...	60	46	44	1	1	6·1
Felixstowe ...	60	46	43	1	2	5·9
Gorleston ...	53	45	44	0.2	11	3·7
Mildenhall ...	58	42	37	2	3	2·0
Cranwell ...	53	43	41	5	2	0·0
Birmingham ...	52	41	40	0.6	4	0·0
Upper Heyford	52	42	42	2	2	*
Ross-on-Wye	55	42	39	0.6	3	0·0
Hartland Point	52	47	45	0.3	1	0·4
Bristol ...	55	42	37	Tr	1	0·1
Portland Bill ...	56	49	*	0.3	Tr	*
Plymouth ...	56	48	46	Tr	2	1·1
The Lizard ...	58	48	*	0.5	2	1·2
Scilly (St. Mary's)	58	49	*	–	1	5·3
Guernsey ...	56	47	47	Tr	10	0·4
Pembroke ...	55	46	*	Tr	0·5	0·2
Holyhead ...	53	47	44	Tr	0·2	0·6
Chester (Sealand)	55	47	42	2	12	1·3
Manchester ...	55	45	43	1	3	0·0
Spurn Head ...	51	43	40	5	1	0·0
Catterick ...			*	6		
Tynemouth ...	49	45	43	2	0·5	1·3
St. Abbs Head	50	45	*	1	1	*
Leuchars ...	52	44	36	10	0·6	0·8
Renfrew (Abbots I.)	50	42	37	4	7	2·2
Eskdalemuir ...	52	40	36	2	Tr	0·2
Point of Ayre ...	55	46	*	–	0·2	4·8
Tiree ...	55	47	44	0.1	–	7·8
Stornoway ...	54	42	*	1	1	5·8
Dalwhinnie ...	49	38	37	3	5	1·3
Aberdeen ...	54	43	43	2	2	2·4
Wick ...	52	45	*	3	0·1	*
Lerwick ...	50	43	*	3	2	0·3
Blacksod Point	56	47	*	0.2	0·3	*
Malin Head ...	52	45	*	0.4	Tr	2·3
Aldergrove ...	55	44	40	1	Tr	2·6
Birr Castle ...	57	42	40	0.4	–	0·0
Valentia Obsy. †	55	50	47	0.1	0·1	0·5
Roches Point	62	48	*	Tr	0·2	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Afternoon.	Night.	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Night. mm.	Sunshine. to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. %	9h. G.M.T. % (To-day.)	Visibility 9h.
Kew ...	18	cz.pr.cz.	cr.cr.m.	cid.d.m.	60	47	46	0·1	1	2·7	*	*	6
Croydon ...	217	cm.⊕z.	r.d.rdm.	cir.id.	61.	47	45	1	0·2	4·2	*	*	5
Greenwich (Royal Observatory) ...	149	bcyz.	c.r.r	rr.cir	62	45	46	1	2	3·2	73	86	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	3·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	63	46	47	2		3·1	100	86	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	62	45	45	1	1	3·5	74	100	*
Camden Square ...	110	c	o	*	63	46	46	1	1	*	*	87	*
Kensington ...	80	c	c	*	62	45	42	0·7	1	3·3	At 18h 93	89	*
Hampstead Observatory ...	450	bc	bcp	or	60	43	40	-	2	3·3	*	93	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 15th.

South Kensington. Max.	Time.	Min.	Time.
less than 0·3	whole period		

Kew Observatory. Max.	Time.	Min.	Time.
0·1	16-20h 14h	<0·1	1h 15h

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...	1011·5	NW	2	c	57	1009·0	W	3	2.	50	63	48	-	1
Brussels ...	1010·6	NNW	3	c	59	1000·6	SSW	2	d.d.	48	68	48	-	0·3
Berlin ...	999·2	ENE	4	o	57	1005·3	N	3	id.	50	64	46	-	0·3
Zürich ...	1010·8	SE	1	r.r.	45	1011·9	SSE	1	o/r	45	48	43	13	3
Rome ...	1011·7	W	3	bc	61	1016·5	SSW	3	bc	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.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 16th May, 1939.
No. 28299

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1005·2	-8	NNW	3	iro	49	85	6	5	2	-	9	10	1500
	Croydon	1005·7	-6	NW	2	zo	50	75	6	9	-	-	10	10	2500
	S. Farnborough	1005·5	-6	NNW	3	roro	48	85	6	8	-	-	10	10	1500
	Boscombe Down	1006·2	-6	N'W	3	zo	48	85	6	6	2	-	4-6	10	1500
	Calshot (Soton.)	1005·8	+2	NW'N	4	roro	49	85	6	9	2	-	2-3	10	800
	Lympne	1006·1	-4	NNE	1	r/tlr	46	85	5	9	-	-	10	10	2500
	Manston	1005·1	-6	ENE	2	c/r	49	85	7	5	7	-	9	10	1500
2	Shoeburyness	1005·4	-8	SW	2	o/r	49	85	6	5	-	-	10	10	1500
	Felixstowe	1005·7	-2	S	3	iro	50	75	8	5	-	-	10	10	4000
	Gorleston	1005·1	+2	SE	3	c	51	75	6	5	-	-	9	9	2500
	Mildenhall	1004·4	-2	-	0	c	52	85	7	8	1	-	9+	10	1500
	Cranwell	1006·5	0	NNE	3	dr	47	92	6	6	2	-	4-6	10	800
3	Birmingham	1007·5	-2	NNW	3	iro	45	92	5	6	2	-	9+	10	800
	Upper Heyford	1006·5	-6	NNW	3	zo	49	85	6	6	2	-	9	10	800
4	Ross-on-Wye	1007·8	-6	N	4	c	50	75	7	8	-	-	10	10	2500
5	Hartland Point	1009·2	0	N	5	c	50	75	8	3	4	-	4-6	7-8	1500
	Bristol	1007·4	-6	N	4	c	53	65	8	8	7	-	4-6	9+	2500
	Portland Bill	1006·6	+6	NNE	3	c	52	75	7	5	4	-	7-8	10	2500
	Plymouth	1008·1	-2	N'W	5	bc	55	55	8	7	-	-	4-6	4-6	2500
	The Lizard	1010·0	0	NW	5	c	51	85	8	8	6	-	7-8	9+	1500
	Scilly (St. Mary's)	1012·4	+4	N	6	c	53	85	8	8	6	-	4-6	7-8	1500
	Guernsey	1006·7	-6	NW	5	c/pr	49	85	6	8	-	-	7-8	7-8	2500
6	Pembroke	1011·0	0	NNE	6	bcq	52	75	7	8	-	1	4-6	4-6	2500
7	Holyhead	1010·7	-6	NNW	5	c/pr	50	75	8	8	4	-	7-8	9	1500
	Chester (Sealand)	1009·6	0	N	4	pr	51	75	6	8	8	-	9+	9+	2500
8	Manchester	1008·6	-2	NNE	4	pr	50	75	7	8	1	-	7-8	10	1500
10	Spurn Head	1006·8	0	NE	4	o/pr	47	92	6	5	-	-	10	10	1500
	Catterick	1010·0	-2	NNE	5	zo	50	85	6	6	-	-	9+	9+	800
	Tynemouth	1011·2	+4	NNE	5	c	48	92	7	9	-	-	9+	10	1500
11	St. Abbs Head	1014·4	+10	N	3	iro	46	92	7	8	2	-	4-6	10	1500
	Leuchars	1015·4	+6	NNE	3	roro	48	92	6	5	2	-	4-6	10	450
12	Renfrew (AbbotsI.	1015·1	+4	ENE	3	c	52	75	8	8	7	-	7-8	10	1500
	Eskdalemuir	1012·7	+4	NNE	4	c/r	49	75	7	5	-	-	9	9	1500
	Point of Ayre	1012·5	+6	ENE	5	c	50	92	8	8	6	-	7-8	9+	1500
13A	Tiree	1016·6	+2	N	4	bc	53	75	8	7	4	-	1	2-3	4000
13B	Stornoway	1018·4	+2	NNE	4	c	51	75	8	5	5	9	4-6	9	2500
15	Dalwhinnie	1015·6	+6	-	0	c	48	85	8	4	6	-	7-8	9+	2500
	Aberdeen	1016·9	+8	NE	2	c/r	47	97	6	6	2	-	9	10	800
	Wick	1018·3	+12	NE	3	c	48	92	7	5	2	-	7-8	10	1500
16	Lerwick	1019·8	+2	NE	4	c	49	85	8	5	3	-	4-6	7-8	1500
17	Blacksod Point	1018·5	0	N	6	c	52	75	8	3	-	-	9	9	1500
18	Malin Head	1017·1	+4	N	4	bc	51	85	8	2	4	-	2-3	4-6	5700
	Aldergrove	1014·4	+6	N'E	4	c	52	65	9	8	-	-	9+	9+	2500
19	Birr Castle	1014·9	-6	N	2	c	56	55	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.†	1017·6	0	N'E	6	bc/pr	54	65	9	2	-	-	4-6	4-6	2500
	Roches Point	1014·7	-2	N	4	bc	55	65	9	3	-	-	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1004·4	-4	NW	2	zo	50	85	5	5	-	-	10	10	1500	1	*
Croydon	1004·9	-4	WN	2	ro ro	48	92	4	6	2	-	7-8	10	2500	1	*
S. Farnborough	1004·7	-4	NWW	2	zo	48	85	6	5	2	-	9	10	1500	1	*
Boscombe Down	1005·8	0	NW	3	iro	47	92	6	6	2	-	9	10	800	1	*
Calshot (Soton.)	1005·2	-4	NNW	3	iro	50	85	6	7	2	-	7-8	10	2500	1	1
Lympne	1004·9	-6	NNE	1	c	47	85	7	8	2	-	9	10	1500	1	§ 2
Manston	1004·2	-4	NEE	2	iro	49	85	7	5	2	-	7-8	10	2500	1	*
Shoeburyness	1004·8	-2	E	2	e	51	75	7	7	6	4	4-6	9+	4000	1	*
Felixstowe	1005·0	-2	ES	3	c	50	75	8	5	7	-	2-3	10	5700	0	2
Gorleston	1005·4	0	ENE	2	bc	50	75	7	2	3	-	1	4-6	2500	0	2
Mildenhall	1005·1	+6	ENE	3	tlr	50	85	5	9	-	-	10	10	800	1	*
Cranwell	1007·0	+6	NNE	3	e/d	47	92	6	5	2	-	9	10	800	1	*
Birmingham	1007·1	0	NNE	3	iro	47	85	5	6	-	-	10	10	800	1	*
Upper Heyford	1005·7	-4	N	3	c	48	85	7	5	7	-	9+	10	1500	1	*
Ross-on-Wye	1006·3	-6	NW	3	roro	47	92	6	6	-	-	10	10	1500	1	*
Hartland Point	1008·7	-4	N	5	bc	49	85	8	8	4	3	4-6	4-6	1500	0	3
Bristol	1007·0	-2	NW	4	iro	49	75	6	5	2	-	7-8	10	1500	0	*
Portland Bill	1005·7	-10	NNE	2	c	51	75	7	5	-	-	10	10	2500	1	3
Plymouth	1008·3	-2	NW	5	bc	53	65	8	2	-	-	4-6	4-6	2500	1	3
The Lizard	1010·2	0	NW	5	bc	51	75	8	8	-	-	4-6	4-6	2500	1	3
Scilly (St. Mary's)	1012·5	+2	N	5	bc	53	85	8	8	4	-	1	2-3	2500	0	3
Guernsey	1006·8	0	NW	4	bc	51	75	7	-	3	-	0	4-6	-	1	3
Pembroke	1010·3	-2	NE	6	bcq	50	85	7	2	4	-	4-6	4-6	1500	1	2
Holyhead	1011·2	+2	NW	4	c	51	75	8	5	4	4	2-3	7-8	2500	0	3
Chester (Sealand)	1010·1	+6	NE'E	3	pr	50	75	6	9	2	-	9	10	800	1	*
Manchester	1009·8	+18	ENE	4	c/pr	51	75	5	8	7	-	4-6	10	1500	1	*
Spurn Head	1008·1	+6	ENE	5	rr	47	92	6	5	-	-	10	10	1500	2	3
Catterick	1012·2	+16	NEN	3	zo	48	85	6	5	7	1	1	7-8	1500	1	*
Tynemouth	1013·3	+12	NE	3	c	48	85	7	5	-	2	4-6	10	2500	1	2
St. Abbs Head	1015·5	+8	NNE	3	o	46	97	7	5	-	-	10	10	1500	0	3
Leuchars	1016·4	+2	NNE	2	c	49	92	7	5	7	-	4-6	9+	800	1	*
Renfrew (AbbotsI.	1016·1	+6	ENE	3	e	51	75	7	8	7	-	4-6	9+	2500	1	*
Eskdalemuir	1014·3	+10	NEN	4	c	48	75	8	8	7	8	2-3	7-8	1500	1	*
Point of Ayre	1012·9	+2	ENE	4	bc	53	85	8	-	-	9	0	2-3	-	0	3
Tiree	1016·7	+2	N	4	bc	51	85	8	7	3	-	2-3	4-6	4000	0	3
Stornoway	1019·4	+8	NE	5	c	49	85	8	5	7	9	4-6	9	2500	1	2
Dalwhinnie	*	+8	NNE	3	c	46	85	7	4	2	-	4-6	10	2500	1	*
Aberdeen	1017·8	+6	NNE	3	bc	49	85	7	5	3	-	1	2-3	1500	1	1
Wick	1019·4	+6	NE	3	c	48	92	7	5	7	4	4-6	7-8	1500	1	1
Lerwick	1020·6	+8	NE	5	c	47	85	8	5	7	-	7-8	9+	1500	0	*
Blacksod Point	1018·5	0	N	6	c	52	85	8	8	-	-	9	9	1500	1	4
Malin Head	1017·4	+4	N	4	bc	50	85	8	5	4	-	2-3	4-6	1500	0	3
Aldergrove	1014·8	+2	NNE	3	c	52	65	7	5	-	-	9+	9+	4000	1	*
Birr Castle	1014·5	+2	NNW	1	pr	51	85	8	8	7	-	7-8	9	1500	1	*
Valentia Obsy.†	1017·6	+2	NNE	4	c	53	75	8	8	-	-	9	9	1500	0	2
Roches Point	1013·7	-4	N	4	bc	57	92	9	8	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 15th (37)	13h.—18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.—7h. 16th (40)
London (Kew)	cmocirom o	ciro cr ocm o	cro rr o	rrro cro
Croydon	cm mo	propruirom	cromfrm o	crrRrm o
S. Farnborough	Rcirc	iro roroc	cirir o	rrror oc
Boscombe Down	cirororcm o	cm.uiro	ciropr oc	crorо
Calshot (Soton.)	cprocrorom o	crorom o	circm o	rriR
Lympne	cmrotlr	cmorrir o	cmorrir o	cmorr
Manston	crorom o	ccir o	crrRrm o	orrRRrm o
Shoeburyness	crrcm o	cm oc	irrrc	RRrrc
Felixstowe	coir o	oir oc	corom o	orroor oro
Gorleston	c	cbc	bcoircq	coir
Mildenhall	c	ccutl	tlrcmorr	crorom oc
Cranwell	cmororod od o	d od oror oc	cror o	crocm o
Birmingham	coir o	oir o	oir o	oc
Upper Heyford	rorocirocm o	cmoroc	cciR	ciRrooir o
Ross-on-Wye	rcroc	ccror o	rorqcr	c
Hartland Point	cpbcc	cbc	bcc	c
Bristol	cPRroc	cirom o	crorR	cror Rq
Portland Bill	cpr	c	oc	corr
Plymouth	cprobcy	bccprbc	bccproc	cybcc
The Lizard	proc	cbc	bcc	cbc
Scilly (St. Mary's)	cbcc	cpobc	cpqc	cbc
Guernsey	cbcpr	cir o	corrc	cir
Pembroke	prbcq	bcq	crororo bc	bcq
Holyhead	bcproc	cprobc	bcwb	bbc
Chester (Sealand)	cPRpro	crrPRm o	prbcbz o	bccm o
Manchester	zoprpro	czoprcz o	bczocz o	cz o
Spurn Head	rrcpr	iR or	orrcq	cqpr
Catterick	iromcm o	cm o	bcbm o	cmoir o
Tynemouth	cpoc	c	c	cbc
St. Abbs Head	iroc	cmoo	ocbc	ircq
Leuchars	cprororom o	romoirror o	cbcb	bwbc
Renfrew (AbbotsI.	cproc	cpr o	cirobc	bccbc
Eskdalemuir	crororoc	cbc	bc	bc
Point of Ayre	cprc	cbc	bc	c
Tiree	bc	bc	bc	bc
Stornoway	cPR	c	c	c
Dalwhinnie	ciR	ciR	·	cir
Aberdeen	ccro	ocbcb	bbcc	cbc
Wick	cidc	cidc	c	c
Lerwick	cir	cbcc	c	c
Blacksod Point	prcq	prcq	procq	prcq
Malin Head	cbc	bcc	cbcebcc	cbc
Aldergrove	cyc	cyc	c	c
Birr Castle	cy	cpr	cprc	c
Valentia Obsy.†	probcq	bcqcbcc	c	cprobc
Roches Point	probcv	pro bcv	cprbc	bcc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. Lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,-Ci: Cirrocumulus,-Cc: Cirrostratus,-Cs: Altocumulus,-Ac: Altostratus,-As: Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

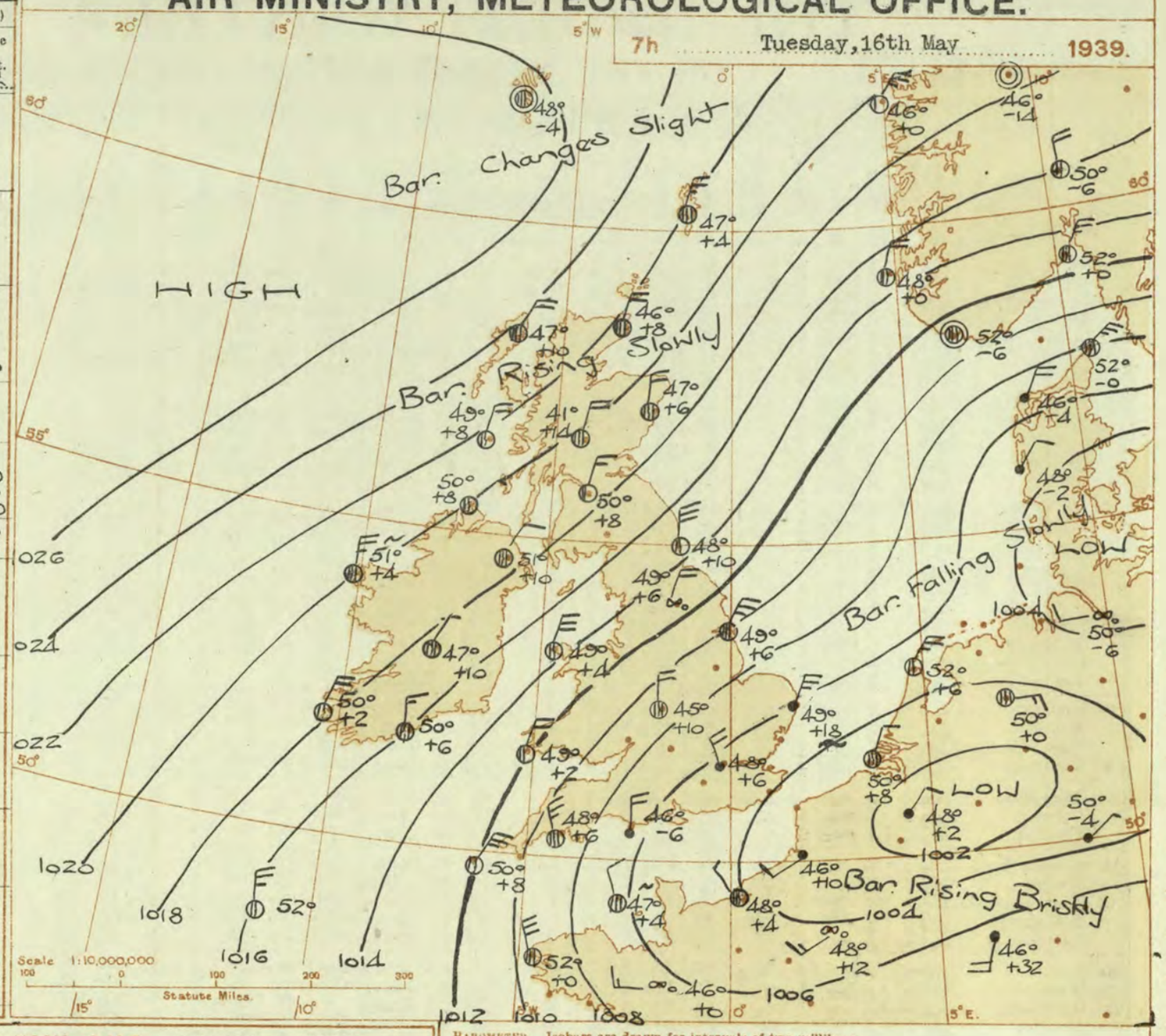
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 15th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 14th to 9h. 15th	Temperature. (°F) Max. 9h.—17h. 15th	Rainfall. (mm.) Night. 17h. 14th to 9h. 15th	Rainfall. (mm.) Day. 9h.—17h. 15th	Sunshine. (Hrs.) Sunrise to 17h. 15th	Sunshine. (Hrs.) Sunrise to Sunset. 14th
1	Tunbridge W.	cbcor	oro	46	52	0·3	4	1·1	5·7
	Bournemouth	bcco	pco	46	54	0·3	Tr	2·0	0·1
	Ventnor ...	pobcu	cor	47	55	0·3	2	1·2	0·7
	Southsea ...	bcc	cor	47	56	0·4	4	2·3	2·3
	Bognor Regis	bcpr	c	46	55	0·3	Tr	2·3	3·7
	Littlehampton	ctlhr	c	46	55	0·5	11	1·8	3·4
	Worthing ...	bcc	tlrc	47	55	6·3	1	1·9	3·9
	Brighton ...	crc	crc	48	55	0·2	1	1·9	4·7
	Eastbourne† ...	co	opoco	49	55	—	0·3	0·4	6·1
	Hastings† ...	co	orcbc	47	57	Tr	2	2·6	6·5
	Folkestone ...	oc	coc	47	54	3	—	0·7	8·0
	Dover ...	odoc	co	47	53	1	Tr	0·6	7·7
	Deal	dcc	cbcc	47	53	2	Tr	0·1	7·7
	Ramsgate ...	od	c	42	52	2	1	0·4	7·7
	Margate ...	cr	c	47	52	0·3	1	0·1	7·0
2	Southend ...	or	orc	46	55	6	1	0·0	5·4
	Clacton-on-Sea	coir	oc	44	50	3	0·3	0·0	6·1
	Dovercourt ...	roc	bcc	45	52	3	—	0·8	6·9
	Lowestoft ...	c	cbcb	44	52	9	—	1·8	4·1
	Skegness ...	orro	orod	43	50	5	1	0·0	0·0
	Mablethorpe...	orr	orr	45	48	4	5	0·0	0·0
	Cleethorpes ...	or	orir	45	49	4	3	0·0	0·0
3	Leamington S.	opr	opr	43	50	4	0·2	0·0	0·0
4	Cheltenham†	om	coir	42	50	4	1	0·0	0·0
5	Bath	cir	cir	44	52	3	Tr	0·1	0·0
	Weymouth ...	circ	c	48	56	0·4	0·1	1·0	0·7
	Jersey ...	rcbc	cbcc	49	55	8	—	4·0	1·5
	Torquay ...	cbcvq	cpbcq	48	56	1	0·4	7·6	1·3
	Falmouth ...	cvpbc	b	48	55	3	Tr	6·7	0·8
	Penzance ...	cbc	pobcb	49	55	1	Tr	8·1	1·7
	St. Ives ...								
	Bude... ...	pbc	bcpbc	48	54	1	0·6	8·4	0·4
	Ilfracombe ...	docbc	cpbc	48	54	0·4	0·5	3·1	0·7
6	Aberystwyth	bcpr	prbc	45	54	1	0·5	3·9	0·8
7	Llandudno ...	cpo	cir	45	52	1	Tr	0·9	0·4
	Colwyn Bay...	cbcc	cpbcb	43	51	1	0·3	0·3	0·3
	Rhyl	c	crobc	44	53	9	Tr	0·6	1·1
8	Wallasey ...	cpc	corc	45	54	6	2	0·4	1·2
	Southport ...	cpoc	cpoc	43	54	3	Tr	0·7	1·3
	Blackpool ...	cpo	cpoc	44	55	2	Tr	0·4	0·6
	Morecambe ...	c	bcc	45	55	4	1	1·5	0·2
9	Ilkley... ...	oro	oro	45	51	0·6	1	0·3	0·0
	Harrogate ...	cir	croc	43	50	1	1	0·2	0·0
10	Berwick-on-T.	oromo	omoc	44	48	1	Tr	0·3	0·3
11	Dunbar ...	cmoro	cmoro	44	48	0·5	0·5	0·0	0·6
12	Troon... ...	coc	coc	43	54	4	—	1·5	3·5
	Douglas ...	bcpro	bc	45	55	—	Tr	5·2	5·5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind north to northeast, moderate or fresh; cloudy, occasional rain; cold.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind north to northeast, moderate or fresh; some showers but bright intervals, especially in western districts; cool.

GENERAL INFERENCE.

An anticyclone remains stationary off the west of Ireland and depressions lie over Northern France, Northern Germany and Denmark. Further rain is probable in Southeast England but elsewhere, apart from showers locally, the weather will be fair but cool.

FURTHER OUTLOOK.

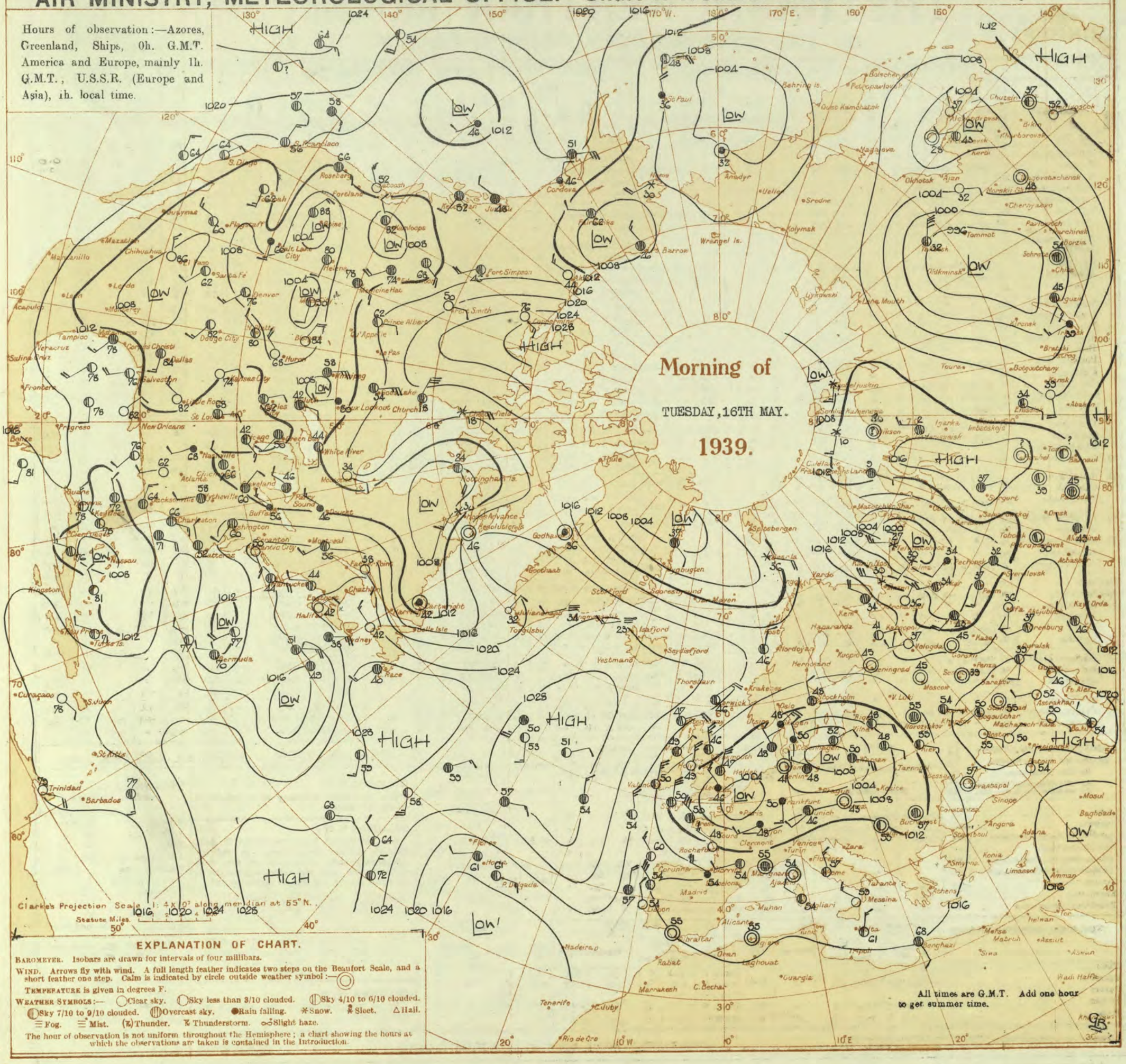
Cool and unsettled.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.
6.466/3684.Wt.8109.D.4528 Gp.348 35840.5/39

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



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AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 16th May, 1939.
No. 28299

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1005·1	-2	NNW	3	rr	46	97	6	6	2	-	9	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1003·5	-16	N'W	2	rr	45	92	6	-	2	-	10	10	2500
	Manston ...	154	1002·0	-22	NW	3	rr	46	97	6	6	2	-	7·8	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1004·9	-6	NNE	5	c	48	92	7	8	-	-	10	10	2500
	Mildenhall ...	19	1004·9	-10	N	3	r₀r₀	47	97	6	-	2	-	10	10	800
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1008·9	+2	NNE	5	c	49	75	8	5	-	-	9	9	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1005·8	-2	N	3	c	49	75	7	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1009·7	-4	NNW	4	c	49	85	7	8	6	-	7·8	9+	1500
	Scilly (St. Mary's)	163	1011·4	-8	N	6	c	50	92	8	8	2	-	7·8	10	1500
	Guernsey ...	175	1006·9	-6	N	5	c/r	48	92	6	8	-	-	9+	9+	2500
6	Pembroke ...	142	1011·4	+2	NNE	4	bc	47	85	7	5	·	-	2·3	2·3	1500
7	Holyhead ...	26	1013·1	+6	N'E	5	b	49	85	8	1	4	-	Tr	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·1	0	NNE	6	cq	47	92	7	5	2	-	4·6	9+	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1013·7	+2	N	5	c	46	92	7	2	-	-	9	9	1500
11	St. Abbs Head	280	1016·2	+4	NNE	4	bc	45	92	8	4	4	-	4·6	4·6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1015·6	+6	NE	4	bc	47	92	8	-	4	-	0	2·3	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1022·1	+12	ENE	4	c	47	92	7	5	-	-	7·8	7·8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1021·1	+2	NE	4	c	46	85	7	5	2	-	7·8	10	1500
16	Lerwick ...	156	1021·5	0	NE	5	c	46	85	8	5	7	-	4·6	7·8	1500
17	Blacksod Point	18	1019·2	0	N	5	bc	49	92	8	3	-	-	4·6	4·6	800
18	Malin Head ...	84	1018·3	+4	NE	1	c	49	92	7	5	-	-	7·8	7·8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1018·3	-2	N	5	bc	50	85	8	7	-	-	4·6	4·6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1005·0	+14	NE'N	5	r₀r₀	49	85	6	6	2	-	7·8	10	1500	1	*
Croydon	1004·5	+6	NNE	4	rr	48	92	6	6	2	-	9+	10	450	1	*
S. Farnborough	1005·0	+10	N'E	4	r₀r₀	47	97	6	6	2	-	9	10	800	1	*
Boscombe Down	1006·7	+6	N	5	r.r.	45	92	6	6	2	-	7·8	10	800	1	*
Calshot (Sthmtn.)	1004·1	-8	N	5	ir	48	92	6	6	2	-	9	10	800	1	§2
Lympne	1004·4	+14	NNE	2	rr	45	97	6	6	2	-	4·6	10	1500	1	2
Manston	1003·6	+14	NE	3	rr	49	97	5	-	2	-	1·0	10	450	1	*
Shoeburyness	1004·4	+12	NNE	3	rr	50	97	6	6	2	-	9+	10	800	1	*
Felixstowe	1004·9	+18	NE	4	ir	50	92	6	-	2	-	10	10	450	1	3
Gorleston	1006·0	+18	NE'N	5	ir	49	92	6	6	-	-	10	10	1500	1	4
Mildenhall	1006·4	+14	NNE	4	r₀r₀	50	92	6	6	2	-	7·8	10	1500	1	*
Cranwell	1009·8	+10	N	3	z₀	48	92	6	5	7	-	7·8	9+	800	1	*
Birmingham	1010·1	+10	N	4	c	45	85	6	5	-	-	10	10	1500	1	*
Upper Heyford	1007·9	+10	N'E	4	c	46	85	6	6	2	-	9	10	450	1	*
Ross-on-Wye	1009·8	+4	N	4	c	47	75	7	5	7	9	4·6	7·8	4000	1	*
Hartland Point	1010·1	+6	NNE	5	c	48	75	8	5	-	-	7·8	7·8	1500	0	3
Bristol	1009·0	+6	N	5	c/r	46	85	7	5	7	-	9	10	1500	1	*
Portland Bill	1006·2	-6	N	4	rr	46	85	7	5	-	-	10	10	1500	1	3
Plymouth	1009·4	+6	NNW	5	c	48	75	7	5	7	-	4·6	7·8	1500	1	1
The Lizard	1009·9	+4	NNW	4	bc	48	75	8	8	6	-	4·6	4·6	2500	1	3
Scilly (St. Mary's)	1012·1	+8	NE'N	5	bc	50	85	7	8	-	3	2·3	4·6	1500	1	3
Guernsey	1006·9	+4	NNW	4	c	47	85	6	8	-	-	10	10	1500	1	4
Pembroke	1012·4	+2	NNE	4	bcq	49	85	7	2	6	-	2·3	4·6	2500	1	2
Holyhead	1013·8	+4	NNE	6	bc	49	85	7	5	3	4	2·3	4·6	4000	0	3
Chester (Sealand)	1013·1	+4	NW'N	2	z₀	48	75	6	5	-	-	10	10	2500	1	*
Manchester	1012·1	+4	NE'N	4	z₀	49	75	6	8	3	1	4·6	9+	2500	1	*
Spurn Head	1009·5	+6	NE	5	c/pr	49	85	6	5	7	-	4·6	9+	2500	1	4
Catterick	1013·7	+6	N'E	4	z₀	49	75	6	5	4	-	2·3	2·3	2500	1	*
Tynemouth	1014·1	+10	N	6	bcjp	48	85	7	2	-	-	2·3	2·3	2500	1	3
St. Abbs Head	1016·5	+4	N	6	cq	45	92	7	3	6	-	7·8	9	1500	0	4
Leuchars	1018·8	+8	N	4	c	48	75	8	1	3	9	Tr	7·8	4000	1	*
Renfrew (Abbots I.)	1019·3	+8	NNE	3	bc	50	65	9	7	4	4	4·6	4·6	4000	1	*
Eskdalemuir	1016·8	+6	N'E	4	bc	46	75	8	5	7	1	2·3	4·6	1500	1	*
Point of Ayre	1016·4	+6	NE	5	c	49	92	8	-	3	5	0	7·8	-	0	3
Tiree	1020·6	+8	NNE	4	bc	49	75	8	1	4	-	Tr	2·3	4000	0	3
Stornoway	1024·0	+10	NE	4	c	47	85	8	5	7	-	7·8	7·8	2500	1	2
Dalwhinnie	*	+14	NNE	4	c	41	92	7	5	-	-	10	10	2500	1	*
Aberdeen	1019·2	+6	N	4	c	47	85	7	2	-	-	7·8	7·8	1500	1	1
Wick	1021·9	+8	NNE	4	c	46	85	8	5	2	-	9	10	1500	1	2
Lerwick	1022·0	+4	NNE	5	c	47	75	8	5	7	-	4·6	7·8	1500	0	*
Blacksod Point	1019·5	+4	N	5	c	51	85	8	3	-	-	7·8	7·8	1500	1	4
Malin Head	1020·1	+8	ENE	1	bc	50	85	8	1	4	-	2·3	4·6	1500	0	2
Aldergrove	1018·1	+10	NE	2	c	51	65	7	7	-	3	2·3	9	2500	1	"
Birr Castle	1017·4	+10	NE	1	c	47	97	7	5	-	5	4·6	9	2500	1	*
Valentia Obsy. †	1018·0	+2	NNE	4	bc	50	75	8	8	5	·	4·6	4·6	2500	0	2
Roches Point	1016·2	+6	N	3	c	50	85	8	5	4	5	2·3	7·8	2500	0	2

PAST 24 HOURS.

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 15th Hrs. (36)
London (Kew)	51	45	42	0·3	13	0·0
Croydon	51	45	41	1	23	0·0
S. Farnborough	49	44	43	2	11	0·0
Boscombe Down	49	43	42	1	3	1·1
Calshot (Sthmtn.)	54	44	44	1	6	2·6
Lympne	51	44	43	2	11	0·0
Manston	51	45	44	1	22	0·0
Shoeburyness	51	46	45	5	22	0·0
Felixstowe	52	41	37	Tr	10	0·5
Gorleston	52	48	45	-	0·5	2·8
Mildenhall	54	46	43	Tr	7	0·0
Cranwell	50	43	42	3	3	0·0
Birmingham	48	42	39	2	1	0·0
Upper Heyford	49	43	42	1	5	*
Ross-on-Wye	51	44	42	1	2	0·2
Hartland Point	51	47	46	0·3	-	7·9
Bristol	53	44	42	1	1	0·4
Portland Bill	52	45	*	4	2	*
Plymouth	55	47	46	0·4	Tr	5·8
The Lizard	59	45	*	Tr	-	8·3
Scilly (St. Mary's)	54	47	*	Tr	1	10·0
Guernsey	53	46	45	Tr	1	7·3
Pembroke	54	45	*	1	Tr	8·1
Holyhead	52	47	44	Tr	-	5·4
Chester (Sealand)	52	44	41	2	2	0·7
Manchester	54	45	42	1	-	0·6
Spurn Head	48	46	*	4	1	0·0
Catterick	51	43	40	0·5	0·1	0·2
Tynemouth	50	45	44	0·2	-	2·1
St. Abbs Head	46	44	*	0·1	0·2	*
Leuchars	52	43	31	3	-	0·1
Renfrew (Abbots I.)	53	45	39	Tr	Tr	0·0
Eskdalemuir	52	41	39	0·5	-	0·7
Point of Ayre	54	47	*	0·2	-	4·4
Tiree	53	47	44	-	-	12·6
Stornoway	52	46	*	1	-	8·0
Dalwhinnie	51	39	35	3	1	1·0
Aberdeen	49	43	40	0·1	-	1·4
Wick	49	45	*	0·1	-	*
Lerwick	51	44	*	0·6	-	5·2
Blacksod Point	54	46	*	1	1	*
Malin Head	52	47	*	-	-	11·1
Aldergrove	56	46	43	-	-	6·5
Birr Castle	57	45	42	1	2	6·0
Valentia Obsy. †	56	49	44	0·1	Tr	8·5
Roches Point	58	48	*	0·1	0·5	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	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	cm₀cir₀m₀	circr₀cm	crorrcr₀	51	45	42	0·3	13	0·0	·	·	6
Croydon	217	cmm₀	pr₀pruir, m	crcmfRRm	51·	45	41	1	23	0·0	·	·	4
Greenwich (Royal Observatory)	149	cid	idc	crrcr	50	45	41	0·3	19	0·0	86	92	6
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	0·3	·	·	·
Westminster (St. James' Park)	27	·	·	·	53	46	*	16		0·1	85	91	·
Regents Pk. (Botanic Gardens)‡	168	·	·	·	52	46	45	2	12	0·3	93	89	·
Camden Square	110	c	c	·	52	46	45	2	12	*	·	90	·
Kensington	80	cr	cp	·	51	46	42	1	16	0·1	At 18h 87	90	·
Hampstead Observatory	450	or	or	or	50	44	39	3	11	0·4	·	92	·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	0·3	17-20h 15th	<0·3	2-3h 16th
Kew Observatory.	0·2	21h 15th	<0·1	1-5h 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 15th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 16th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris						1005·1	WSW	3	z₀	48		45		4
Brussels	1004·1	SSE	2	c	59	1001·8	NE	2	rr	48	57	48	Tr	4
Berlin						1003·6	W	3	c	52		46		-
Zürich	1009·5	WNW	2	c	52	1008·4	WSW	5	c/r	45	59	43	4	6
Rome	1015·3	SSE	3	c	61	1014·4	SSW	2	bc	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 ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 17th May, 1939.
No. 28300

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)	1007·9	0	NE'N	5	cp	56	55	7	8	-	7	7-8	9+	1500
	Croydon	1007·1	+2	NNE	4	c/pr	56	73	6	3	6	3	7-8	9	4000
	S. Farnborough	1007·2	0	NE	4	c/r	56	65	7	8	7	-	7-8	9+	2500
	Boscombe Down	1008·3	+4	NE'N	4	pr	54	85	7	5	7	-	4-6	10	1500
	Calshot (Soton.)	1007·3	+14	NNE	4	zo	54	65	6	8	2	-	4-6	9+	1500
	Lympne	1005·7	+8	NNE	5	iro	50	85	6	5	7	8	4-6	7-8	2500
	Manston	1005·9	+6	NNE	5	c	51	85	6	5	7	-	2-3	9+	1500
2	Shoeburyness	1006·5	0	NNE	5	c	58	75	8	9	-	7	7-8	10	1500
	Felixstowe	1006·6	-2	NE	5	c	54	75	8	7	1	-	4-6	10	2500
	Gorleston	1006·8	-4	N'W	6	c	52	75	6	8	7	-	2-3	9	2500
	Mildenhall	1008·4	+8	N'E	5	c	56	65	8	5	1	-	7-8	10	2500
	Cranwell	1010·2	-6	N	5	c	55	65	7	7	7	-	4-6	9	2500
3	Birmingham	1010·6	0	N	3	c	57	45	7	8	7	-	9	9+	2500
	Upper Heyford	1009·4	-2	NE	4	c	57	55	8	8	-	8	7-8	9	2500
4	Ross-on-Wye	1010·4	-4	N'E	3	c	56	55	6	8	7	-	7-8	9+	2500
5	Hartland Point	1011·2	+4	NNE	5	c	51	85	8	8	-	-	9+	9+	1500
	Bristol	1010·0	-2	NE'N	4	c	56	65	6	8	1	-	7-8	9+	1500
	Portland Bill	1008·2	+10	NE	4	pr	53	75	7	5	7	-	7-8	10	2500
	Plymouth	1010·0	+4	N	5	c	55	55	8	9	-	-	10	10	2500
	The Lizard	1010·7	+2	N'W	5	c	55	65	8	8	6	-	7-8	9	2500
	Scilly (St. Mary's)	1012·9	0	NNE	6	c	54	85	7	8	6	3	4-6	7-8	2500
	Guernsey	1007·1	0	N'W	4	o/r	48	97	6	5	-	-	10	10	450
6	Pembroke	1012·9	0	NE'N	6	bcq	57	55	7	8	4	1	2-3	4-6	2500
7	Holyhead	1015·2	+6	N	5	bc	54	65	7	2	8	8	Tr	2-3	4000
	Chester (Sealand)	1013·1	-2	N'E	4	c	60	45	7	8	-	1	7-8	7-8	2500
8	Manchester	1012·6	-2	NE'N	5	c	59	45	8	1	-	2	2-3	7-8	4000
10	Spurn Head	1009·6	-2	N	7	oq	49	85	6	5	-	-	10	10	1500
	Catterick	1013·5	-6	N	5	c	54	65	7	1	3	-	4-6	9	2500
	Tynemouth	1013·9	-2	N	6	c	47	85	6	8	-	-	9+	9+	1500
11	St. Abbs Head	1017·1	0	NNE	7	cq	45	85	7	8	6	-	7-8	9+	1500
	Leuchars	1018·6	0	N	4	c	57	55	8	8	7	6	1	7-8	4000
12	Renfrew (AbbotsI.)	1019·0	-6	NNE	4	bc	60	55	9	1	6	1	4-6	4-6	4000
	Eskdalemuir	1016·2	-6	NNE	6	bc	53	55	8	8	-	8	2-3	4-6	1500
	Point of Ayre	1016·8	0	ENE	2	c	57	85	8	-	8	-	0	7-8	-
13A	Tiree	1021·8	0	NNE	4	bc	53	65	8	1	4	1	Tr	2-3	4000
13B	Stornoway	1024·8	0	NE	4	bc	51	75	8	2	6	-	2-3	4-6	4000
15	Dalwhinnie	1021·6	0	E	5	c	46	75	8	5	5	-	7-8	10	2500
	Aberdeen	1019·4	0	N	4	c	52	75	8	1	-	6	7-8	7-8	2500
	Wick	1022·0	-2	NNE	5	c	50	65	8	5	6	1	7-8	9	2500
16	Lerwick	1021·2	-2	NNE	5	c	50	75	8	5	7	-	4-6	7-8	1500
17	Blacksod Point	1021·4	+4	NE	5	bc	55	85	8	2	-	-	4-6	4-6	4000
18	Malin Head	1021·7	0	N	3	bc	52	85	8	-	1	1	2-3	4-6	5700
	Aldergrove	1018·8	-2	NE'E	4	bc	57	55	8	2	-	-	4-6	4-6	2500
19	Birr Castle	1018·2	+2	NNE	3	c	58	55	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.†	1018·8	-2	NE'N	4	bc/pr	55	75	8	3	-	-	4-6	4-6	2500
	Roches Point	1016·5	-4	NNE	4	bc/pr	58	65	8	3	4	3	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1007·9	+4	N'E	4	zo	52	65	6	5	6	-	10	10	1500	1	*
Croydon	1007·7	+6	N'E	5	zo	52	75	6	4	7	-	7-8	10	4000	1	*
S. Farnborough	1007·9	+6	NNE	3	iro	54	65	7	5	7	-	9	10	1500	1	*
Boscombe Down	1008·5	+2	N'E	4	c	55	65	7	5	3	-	4-6	9	4000	1	*
Calshot (Soton.)	1007·7	+4	N'E	4	c	57	55	7	8	3	6	9	9+	2500	1	2
Lympne	1006·7	+6	NNE	3	c	50	85	8	5	4	-	7-8	9	1500	1	§ 3
Manston	1005·9	+2	N'E	4	c	50	75	7	5	7	-	9	9+	4000	1	*
Shoeburyness	1006·7	+4	N'W	4	c	52	75	8	7	-	-	9+	9+	2500	1	*
Felixstowe	1006·2	-2	N'W	5	c	51	75	8	9	2	-	7-8	10	2500	0	3
Gorleston	1005·8	-6	N'W	5	c/pr	51	85	6	8	-	-	10	10	2500	1	3
Mildenhall	1007·2	-6	NNW	4	c/pr	48	92	6	5	2	-	9+	10	2500	1	*
Cranwell	1009·6	-2	N'W	4	roro	47	85	6	5	2	-	9	10	2500	1	*
Birmingham	1010·9	+2	NNW	4	pr	50	65	7	5	-	-	10	10	1500	1	*
Upper Heyford	1009·8	+6	NE'N	4	c/pr	51	75	7	8	7	-	7-8	9+	1500	1	*
Ross-on-Wye	1010·2	0	N	4	c	55	55	7	8	-	-	10	10	2500	1	*
Hartland Point	1010·8	-4	N	5	c	52	85	8	8	-	-	7-8	7-8	1500	0	3
Bristol	1009·7	-2	NNE	5	bc	58	45	7	8	3	-	4-6	4-6	4000	0	*
Portland Bill	1008·6	+6	NE	3	c	56	85	7	5	7	-	4-6	10	2500	1	3
Plymouth	1010·5	+4	N'E	3	zo	56	65	6	8	7	6	4-6	9	2500	0	1
The Lizard	1011·5	+4	NNW	4	c/pr	53	75	7	8	2	-	7-8	9+	1500	1	3
Scilly (St. Mary's)	1012·8	-2	NNE	5	c	52	92	7	8	3	-	4-6	10	1500	0	3
Guernsey	1008·4	+6	N'E	3	iro	50	75	6	5	3	-	7-8	10	1500	1	3
Pembroke	1013·8	+2	NE'N	5	bcq	54	75	7	5	4	2	4-6	4-6	2500	1	2
Holyhead	1014·8	-2	N	4	c	52	75	7	2	5	6	Tr	9+	4000	0	2
Chester (Sealand)	1012·7	+14	N	5	ir	51	65	6	6	2	-	7-8	10	1500	1	*
Manchester	1012·8	+6	N	4	iro	50	65	6	5	2	-	4-6	10	1500	1	*
Spurn Head	1007·6	-14	N	7	roro	48	92	6	5	-	-	10	10	1500	1	4
Catterick	1013·6	-14	N	6	roro	45	92	6	6	2	-	9	10	450	1	*
Tynemouth	1012·6	-20	N	6	rr	46	92	6	6	-	-	10	10	800	1	4
St. Abbs Head	1016·1	-6	NNE	7	cq	46	85	7	8	2	-	7-8	10	1500	0	4
Leuchars	1018·6	+2	NNE	3	c	49	75	8	7	7	-	4-6	9+	2500	1	*
Renfrew (AbbotsI.)	1018·1	-4	NE	4	c	57	45	9	7	7	-	4-6	9	4000	0	*
Eskdalemuir	1015·6	-2	NNE	6	r	49	65	8	5	2	-	2-3	10	1500	1	*
Point of Ayre	1016·3	0	E'N	3	c	53	85	8	4	1	-	2-3	10	4000	0	2
Tiree	1020·9	+2	N	5	bc	51	75	8	1	6	2	Tr	4-6	4000	0	4
Stornoway	1024·5	0	NE	4	c	49	65	9	1	7	-	4-6	7-8	2500	0	2
Dalwhinnie	1021·1	0	E	6	c	46	65	8	5	-	-	10	10	2500	1	*
Aberdeen	1018·9	-2	N	5	c	48	73	7	5	-	1	7-8	7-8	2500	0	3
Wick	1021·1	-4	N	4	c	48	75	8	6	7	-	7-8	9+	1500	1	2
Lerwick	1020·8	0	NNE	5	c	47	75	8	8	7	-	7-8	9+	1500	0	*
Blacksod Point	1020·9	+4	NE	5	bc	53	85	8	2	-	-	4-6	4-6	1500	0	4
Malin Head	1021·0	-2	N	4	bc	51	85	8	1	-	3	1	4-6	5700	0	2
Aldergrove	1018·2	-2	NNE	3	c	56	55	9	4	-	8	4-6	9	4000	0	*
Birr Castle	1017·3	-6	NE	2	c/pr	58	55	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.†	1019·0	-2	ENE	2	bc/iro	53	65	8	3	3	-	1	2-3	2600	1	1
Roches Point	1016·6	+4	NNE	4	bc	61	55	8	3	4	-	2-3	4-6	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 16th (37)	13h.—18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.—7h. 17th (40)
London (Kew)	crromocy	cyczo	czoproc	crcroro
Croydon	RRmopro	czo	proiroroo	crrmo
S. Farnborough	croirirc	cyiro	croc	crordodd
Boscombe Down	crorocpr	cprc	ccir c	cir c
Calshot (Soton.)	crorom o	cmocy	cycmo	roroir
Lympne	crorocir	crobcc	prmoroo	cbmrrro
Manston	orrirmo	cprobcc	ciro rromo	ciro rohmo
Shoeburyness	rrRirc	c	iroc	iroc
Felixstowe	ororoc	c	oidooiro	ciroorr
Gorleston	oircq	cpro	cproc	cproo
Mildenhall	crorocproc	ccpr	rorododcm	cmocidom
Cranwell	crobcc	cirororo	omoroo	orrmodod
Birmingham	cpro	cbco	oror	orro
Upper Heyford	cromoc	cyccpr	croc	crorodod
Ross-on-Wye	bccpoc	cpobcycy	ccpo	rrc
Hartland Point	cbcc	ciro	crr	crr
Bristol	cirozo	cbccbcy	bcycmo	crrroro
Portland Bill	cpro	cpro	c	cpro
Plymouth	czoc	cyzo	czobczo	cproc
The Lizard	bcc	cproc	cbc	bcc
Scilly (St. Mary's)	bbcc	c	cpobc	bcciro
Guernsey	orro	oirc	ciroc	c
Pembroke	bcqy	bcq	roroqc	iroirq
Holyhead	bccb	bcc	rororrc	rrroroc
Chester (Sealand)	bcczy	cyproir	crorrmo	vorrromo
Manchester	czoprobcy	bcycproro	cmorr	crororoc
Spurn Head	cqpro	qpro	rrqp	rrqom
Catterick	bczoc	cororomo	rororrmo	morrcmo
Tynemouth	bcc	coirrr	orro (gale)	oc (gale)
St. Abbs Head	cq	cq	iroqc (gale)	cq
Leuchars	bcbbcy	bcyc	c	c
Renfrew (AbbotsI.)	bcy	bccy	cycbc	bc
Eskdalemuir	bcy	bccyc	crobc (gale)	bcc
Point of Ayre	c	c	c	cbc
Tiree	bc	bc	bc	bcc
Stornoway	cb	bcc	c	c
Dalwhinnie	ciro	c		cido
Aberdeen	bc	bcc	c	c
Wick	cbcc	c	c	cidoc
Lerwick	c	mc	c	cido
Blacksod Point	bc	bc	bc	bcq
Malin Head	bc	bccbc	bccbc	bcc
Aldergrove	cbcy	bcycy	cyc	cbcc
Birr Castle	cy	cphry	cbc	bcc
Valentia Obsy.†	probc	PHRprotlkc	bcbw	bwbc
Roches Point	probc	prbcy	cprobc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu. Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

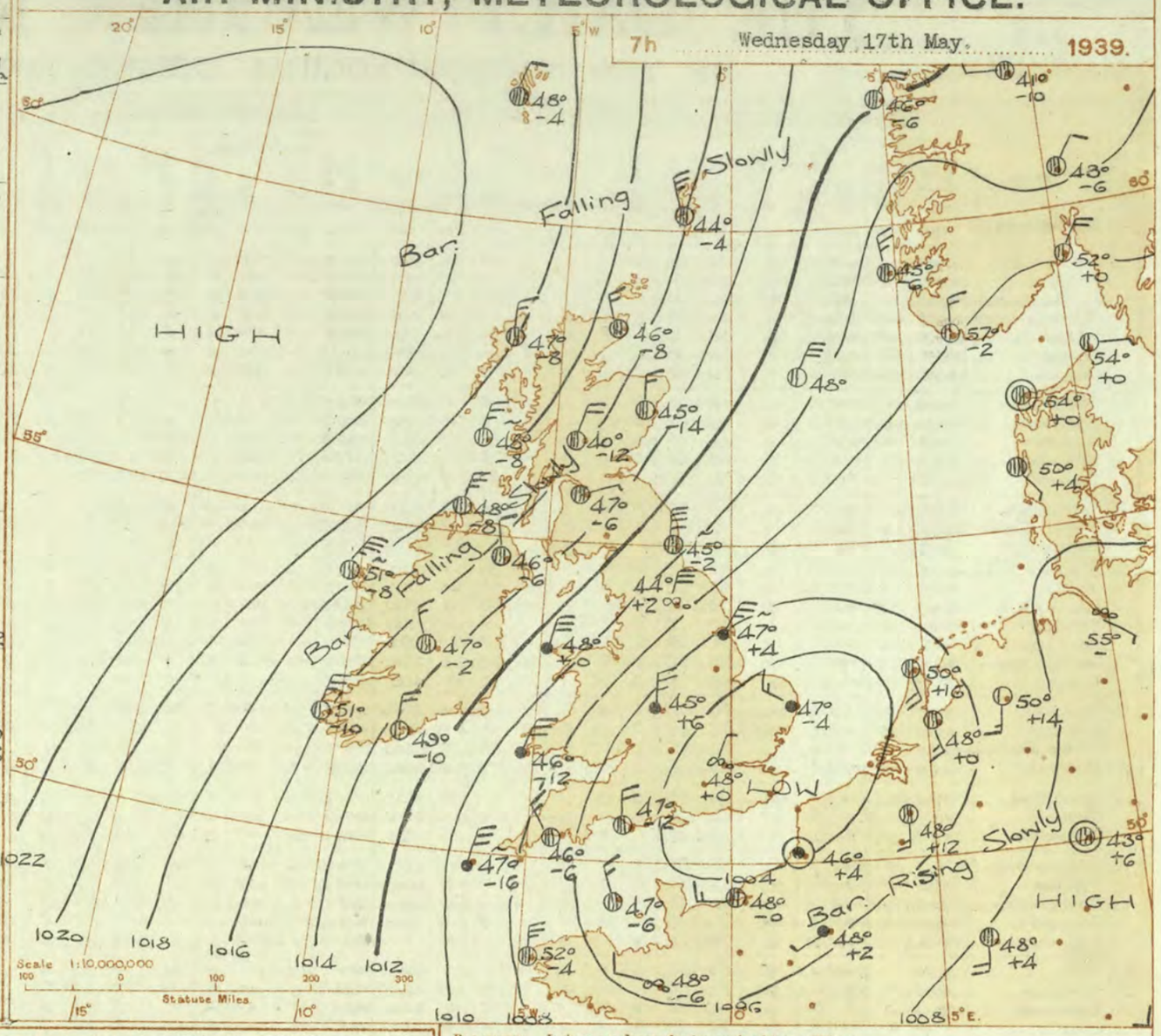
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 16th May 1939.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 15th to 9h. 16th	Temperature. (°F) Max. 9h.—17h. 16th	Rainfall. (mm.) Night. 17h. 15th to 9h. 16th	Rainfall. (mm.) Day. 9h.—17h. 16th	Sunshine. (Hrs.) Sunrise to 17h. 16th	Sunshine. (Hrs.) Sunrise to Sunset. 15th
1	Tunbridge W.	oro	opco	44	56	26	4	0·2	1·1
	Bournemouth	iro	cbcc	44	60	5	0·3	1·3	2·0
	Ventnor ...	orc	copbc	44	57	17	5	0·3	1·2
	Southsea ...	oro	ocbc	45	60	12	0·6	1·3	2·3
	Bognor Regis	rrr	rbcbc	45	58	12	5	0·9	2·3
	Littlehampton	orroc	cbc	45	57	12	3	0·3	1·8
	Worthing ...	cr	cr	45	57	9	5	0·5	1·9
	Brighton ...	rrc	cbcc	45	57	14	5	1·1	1·9
	Eastbourne† ...	rrro	oc	45	57	6	4	0·4	0·4
	Hastings† ...	rdro	opcoc	44	56	11	4	1·4	2·7
	Folkestone ...	m.oir	ocpc	45	55	15	3	2·1	0·7
	Dover ...	oro	ocbc	46	55	18	3	2·1	0·6
	Deal	mdco	ocbc	47	53	20	Trace	1·2	0·1
	Ramsgate ...	op	cbc	45	52	23	0·3	2·6	0·4
	Margate ...	cr	cbc	46	51	25	0·5	1·6	0·1
2	Southend ...	or	oc	46	57	25	1	2·4	0·0
	Clacton-on-Sea	rorc	cbcc	46	56	30	2	1·3	0·0
	Dovercourt ...	rrc	rbcc	47	55	11	2	1·2	0·8
	Lowestoft ...	ccbcc	cbcc	47	54	0·2	-	1·2	2·5
	Skegness ...	ocbco	oro	45	53	3	Trace	2·0	0·0
	Mablethorpe...	bbco	*	46	52	5	Trace	2·5	0·0
	Cleethorpes ...	cbc	ccr	44	53	2	1	2·3	0·0
3	Leamington S.	cbc	cpc	44	60	2	0·1	3·0	0·0
4	Cheltenh mt†	ozc	cbcc	42	61	4	-	2·8	0·0
5	Bath	cp	cbcp	44	60	2	0·3	1·0	0·1
	Weymouth ...	ir	c	45	59	2	0·4	0·2	1·0
	Jersey ...	rc	pc	45	54	1	0·2	4·7	
	Torquay ...	ocp	orpcy	47	58	2	0·6	0·4	8·3
	Falmouth ...	b	cogr	47	58	-	Trace	5·5	8·2
	Penzance ...	bcbcq	bccp	48	58	-	Trace	7·4	8·6
	St. Ives ...								
	Bude... ...	bcc	cbc	47	58	-	-	5·1	8·8
	Ilfracombe ...	bcc	cpbcc	47	57	-	0·3	1·8	4·0
6	Aberystwyth	cbcc	bcc	46	60	-	-	8·6	3·9
7	Llandudno ...	ccbc	bcc	47	55	-	-	6·4	1·6
	Colwyn Bay...	bcb	bcc	47	55	-	-	5·4	0·7
	Rhyl	bc	bcc	47	58	-	-	7·5	1·1
8	Wallasey ...	bc	bccp	44	61	-	Trace	8·4	0·6
	Southport ...	bcp	bccp	43	62	-	Trace	7·0	0·8
	Blackpool ...	bbc	bcop	45	59	-	Trace	8·7	0·4
	Morecambe ...	bcb	bpc	46	57	-	-	8·3	1·5
9	Ilkley... ...	bc	bcod	45	57	Trace	Trace	6·9	0·3
	Harrogate ...	bbcq	bcr	43	53	-	Trace	6·2	0·2
10	Berwick-on-T.	co	o	45	47	Trace	-	1·9	0·3
11	Dunbar ...	cmo	cmo	44	50	-	-	4·5	*
12	Troon... ...	bcbcc	ccoc	44	60	-	-	9·2	1·5
	Douglas ...	bc	bc	45	59	-	-	7·4	6·8

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th May, 1939.

Districts.	Forecasts
1 S.E. England ▲2 E. England ... 3 E. Midlands ...	Wind northeast or variable, moderate; cloudy, intermittent rain to-day, brighter periods tomorrow; cold.
4 W. Midlands ... 5 S.W. England ▲6 South Wales ... ▲7 North Wales ...	Wind north to northeast, fresh or strong locally; cloudy, some rain to-day, brighter periods tomorrow; cool.
▲8 N.W. England 9 N. Midlands ... ▲10 N.E. England ▲11 S.E. Scotland ▲12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind north to northeast, fresh; fair with bright periods in western districts; cool.
17 N. W. Ireland ▲18 N. E. Ireland ▲19 S. E. Ireland 20 S. W. Ireland	As 2 - 7.

GENERAL INFERENCE.

A depression over Southeast England is drifting slowly westwards. The weather will be cloudy with intermittent rain over most of England and Wales but further North and West there will be brighter conditions.

FURTHER OUTLOOK.

Cool and unsettled.

Times of issue of Gale Warnings.

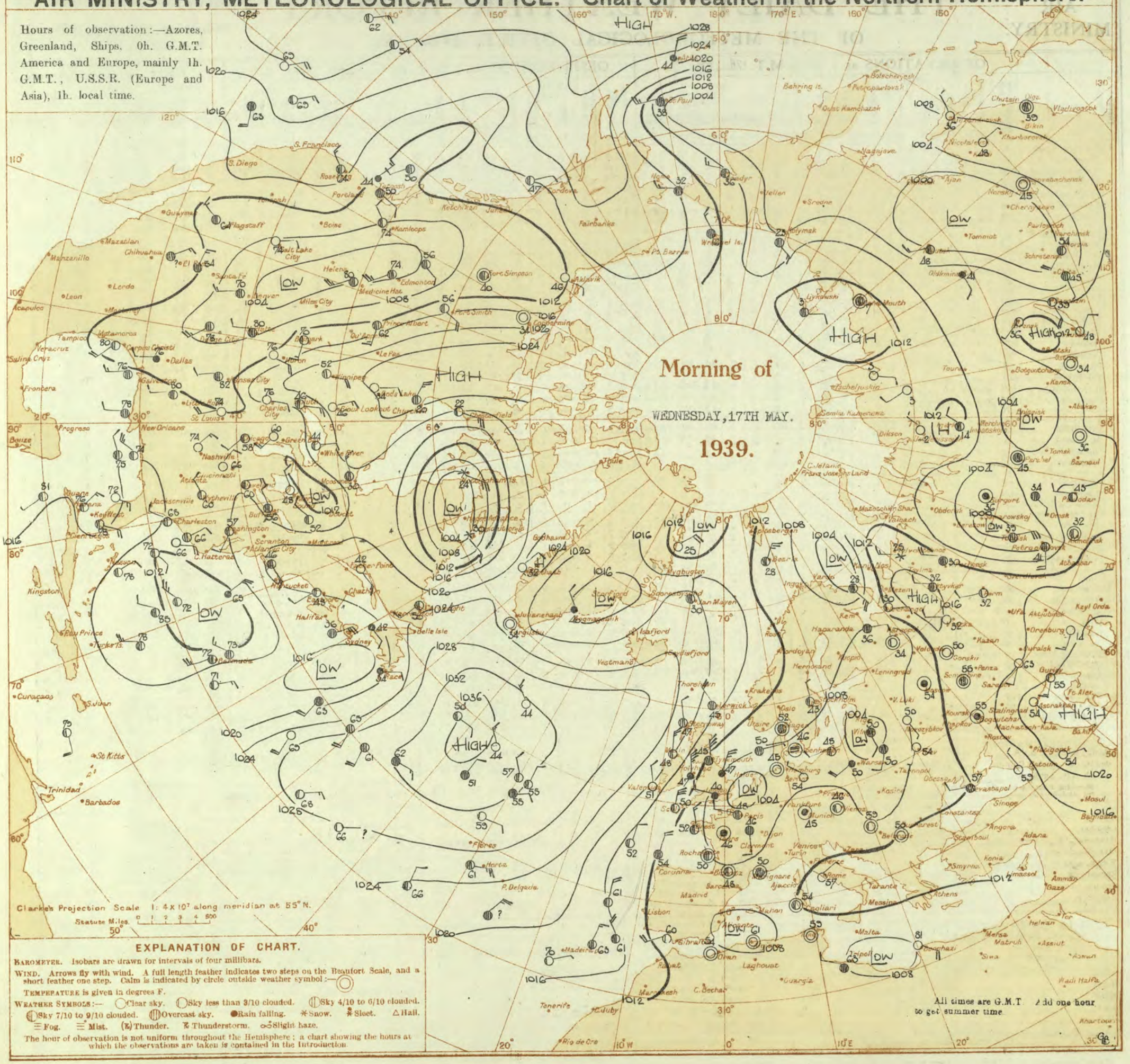
▲ North Cone hoisted at 1820 G.M.T. on 16/5/39 in districts 10, 11 and part of 2, and at 0140 G.M.T. on 17/5/39 in districts 6, 7, 8, 12 and parts of 18 and 19.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.
6.456/3684.No.8109 D.4626 & 848.35840.5/39

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 17th May, 1939.
No. 28300

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1005·5	-20	WNW	3	rr	46	92	6	6	2	-	9	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1005·2	-14	NW'W	3	r₀r₀	45	97	5	6	-	-	10	10	450
	Manston ...	154	1003·6	-16	WNW	3	c/r	47	92	6	5	-	-	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1004·0	-10	NNE	3	c	48	85	7	8	-	-	10	10	2500
	Mildenhall ...	19	1004·1	-12	N'W	2	Z₀	48	97	6	6	2	-	9	10	1500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1010·7	-6	N	4	rr	47	92	8	6	2	-	7-8	10	800
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1007·7	-10	NE	3	c	48	85	7	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1010·6	-4	N'W	5	bc	49	85	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1012·5	-6	N'E	6	bc	50	92	7	5	-	-	2-3	2-3	2500
	Guernsey ...	175	1008·4	-2	NNE	4	c	49	85	6	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1012·0	0	NNE	5	r₀r₀	45	92	7	5	-	-	10	10	1500
7	Holyhead ...	26	1012·9	-16	N'E	7	rr	47	85	6	6	-	-	10	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1005·1	-10	NNE	5	RR	47	97	5	5	-	-	10	10	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012·2	-4	N	8	c	45	92	6	6	-	-	10	10	800
11	St. Abbs Head	280	1016·5	0	NNE	7	cq	45	75	7	3	2	-	7-8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1014·6	-6	NE	6	c	49	85	8	8	-	-	9+	9+	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1022·8	-10	N	2	c	47	85	8	5	7	-	4-6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1020·1	-12	NNE	3	c	46	75	8	5	2	-	7-8	10	1500
16	Lerwick ...	156	1018·6	-14	NNW	4	c	45	85	8	5	2	-	4-6	10	1500
17	Blacksod Point	18	1020·3	-4	NE	5	bc	50	92	8	-	4	-	0	2-3	-
18	Malin Head ...	84	1019·9	-8	N'E	5	bc	48	85	8	4	3	-	2-3	4-6	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1019·4	-4	N	2	b	51	85	7	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. May 17th — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	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 16th Hrs. (36)
London (Kew)	1003·5	+2	NE	2	r₀r₀	48	92	5	6	2	-	7-8	10	1500	1	*	57	45	44	1	1	1·0
Croydon	1003·5	0	NNE	1	Z₀	48	92	5	9	-	-	9+	9+	1500	1	*	56	44	40	8	5	1·3
S. Farnborough	1003·4	-4	NNW	3	id₀	47	97	5	5	2	-	9+	10	450	1	*	59	44	44	1	1	1·8
Boscombe Down	1004·4	+6	N	3	c/r	45	97	6	5	2	-	9	10	800	1	*	68	42	43	0·1	1	1·4
Calshot (Sthmtn.)	1003·7	-10	NW'N	4	ir₀	46	92	6	6	2	-	9	10	800	1	§2	59	44	44	1	0·1	0·8
Lympne	1003·7	+2	W	1	ir₀	45	97	4	6	-	-	10	10	220	1	1	53	44	44	1	2	1·9
Manston	1002·8	+2	ENE	2	c/r	48	92	6	5	-	-	9+	9+	1500	1	*	53	46	46	0·6	5	3·5
Shoeburyness	1003·3	+2	N	2	c	49	92	8	7	7	-	7-8	10	1500	1	*	58	47	45	2	0·5	2·2
Felixstowe	1002·7	-4	NW	3	rr	47	97	6	6	2	-	7-8	10	800	1	2	55	46	46	2	4	2·2
Gorleston	1003·1	+2	NE'E	5	pr	49	97	6	6	-	-	10	10	1500	1	2	53	47	46	1	0·2	1·1
Mildenhall	1003·3	+2	N'W	3	c/d	48	97	7	6	2	-	9	10	1500	1	*	57	46	46	0·5	3	2·0
Cranwell	1005·9	+2	N'E	3	d₀d₀	47	97	6	5	-	-	10	10	450	1	*	58	45	44	0·5	9	3·6
Birmingham	1006·9	+6	N	5	ir₀	45	92	5	6	-	-	10	10	450	1	*	58	43	42	0·1	8	2·9
Upper Heyford	1004·8	+2	N	3	d₀d₀	46	97	5	6	-	-	10	10	450	1	*	59	43	43	0·4	1	*
Ross-on-Wye	1006·3	-6	N	4	c	47	85	7	5	-	-	10	10	1500	1	*	59	44	43	Tr	4	3·5
Hartland Point	1007·0	-10	N	5	rr	46	97	7	6	2	-	7-8	10	800	1	3	53	44	43	Tr	2	2·7
Bristol	1005·7	-6	N	3	r₀r₀	46	92	7	6	2	-	7-8	10	1500	1	*	60	44	43	0·1	1	2·4
Portland Bill	1004·8	-6	NW	3	c	46	92	7	5	2	-	7-8	10	2500	1	3	58	45	*	0·3	Tr	*
Plymouth	1007·0	-12	N	4	c/pr	47	75	8	6	2	-	9	10	1500	0	0	59	46	46	-	Tr	1·7
The Lizard	1008·3	-20	NNW	4	c	47	85	8	8	2	-	7-8	9	2500	0	1	57	45	*	Tr	-	5·8
Scilly (St. Mary's)	1009·7	+6	N'E	6	ir₀	47	97	7	8	2	-	7-8	10	1500	1	4	54	46	*	-	1	8·2
Guernsey	1005·9	-6	N'W	3	c	47	85	7	8	-	-	10	10	1500	1	3	51	46	44	3	0·1	0·0
Pembroke	1008·7	-12	NE'N	6	ir	46	92	6	8	-	-	10	10	1500	1	3	58	45	*	-	3	10·3
Holyhead	1011·1	0	N'E	6	r₀r₀	48	85	8	6	2	-	4-6	10	1500	1	3	59	45	44	-	9	8·6
Chester (Sealand)	1009·9	+6	NNW	3	ir	46	85	6	6	2	-	9	10	1500	1	*	61	45	45	0·2	7	5·7
Manchester	1008·8	+20	NE'N	6	c	46	65	7	5	7	-	7-8	10	800	1	*	60	44	43	Tr	5	6·0
Spurn Head	1005·9	+4	NE'N	5	d₀d₀	47	97	4	5	-	-	10	10	800	1	4	49	46	*	0·6	6	0·0
Catterick	1010·8	+2	N'E	6	Z₀	44	85	6	5	-	-	10	10	800	1	*	54	43	43	2	12	5·4
Tynemouth	1010·5	-2	N	8	c	45	85	7	9	-	-	9	9	1500	1	4	48	44	41	3	3	3·2
St. Abbs Head	1014·9	-9	NNE	6	cq	45	65	8	5	6	-	7-8	10	1500	0	4	47	43	*	-	Tr	*
Leuchars	1015·7	-10	NNE	2	c	46	75	8	5	-	-	9	9	1500	1	*	58	41	32	-	-	8·3
Renfrew (Abbots I.)	1015·9	-6	E'N	1	c	47	65	8	-	6	6	0	7-8	-	0	*	60	37	30	-	-	9·0
Eskdalemuir	1013·5	-6	NNE	5	c	43	65	8	5	-	-	7-8	7-8	1500	1	*	56	41	41	Tr	Tr	6·8
Point of Ayre	1013·5	-2	ENE	5	bc	48	85	8	8	7	6	2-3	4-6	4000	0	3	58	47	*	-	Tr	5·6
Tiree	1017·3	-8	N'E	5	c	48	75	8	5	-	-	9	9	2500	0	4	55	46	43	-	-	15·2
Stornoway	1020·8	-8	N	3	c	47	75	8	6	2	-	4-6	10	2500	0	2	52	45	*	-	-	8·2
Dalwhinnie	*	-12	NNE	4	c	40	92	7	5	-	-	10	10	1500	1	*	51	37	33	0·1	7	2·6
Aberdeen	1015·6	-14	N	3	c	45	75	7	5	-	-	9+	9+	2500	0	2	52	43	43	-	-	8·7
Wick	1017·9	-8	NNW	3	c/d	46	85	8	5	2	-	9	10	1500	1	1	51	44	*	-	Tr	*
Lerwick	1015·7	-4	NNW	5	c/d	44	85	8	8	7	-	7-8	9	1500	0	*	51	43	*	-	Tr	4·9
Blacksod Point	1018·4	-8	NE	7	cq	51	75	8	3	-	-	7-8	7-8	1500	0	4	56	48	*	-	-	*
Malin Head	1018·2	-8	N'E	5	c	48	75	8	5	-	-	9	9	5700	0	2	52	44	*	-	-	12·0
Aldergrove	1015·6	-6	N'W	2	c	46	75	8	1	-	8	Tr	9	2500	0	*	59	42	37	-	-	10·8
Birr Castle	1015·5	-2	NNW	3	c	47	85	8	5	1	-	9	10	2500	1	*	61	46	45	2	-	8·5
Valentia Obsy. †	1016·5	-10	NNE	5	bc	51	75	8	8	4	1	4-6	4-6	2500	1	2	58	48	39	2	Tr	6·4
Roches Point	1013·2	-10	N	4	bc	49	85	8	5	4	-	2-3	4-6	2500	0	2	62	48	*	0·5	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	crc₀n₀cy	cycz₀	cz₀r₀cr₀r₀	57	45	44	1	1	1·0	•	•	5
Croydon	217	RRn₀pr₀	cz₀	pr₀r₀crm₀	56	44	40	8	5	1·3	•	•	5
Greenwich (Royal Observatory)	149	rcir₀	cy	ocir	58	45	45	1	3	1·9	57	93	6
City (Bunhill Row)	—	•	•	•	*	•	•	•	•	1·0	•	•	•
Westminster (St. James' Park)	27	•	•	•	59	47	46	•	3	1·3	61	93	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	58	46	45	0·5	3	1·1	63	92	•
Camden Square	110	c	c	•	58	46	45	0·3	3	*	•	95	•
Kensington	80	cr	bc	•	58-	46	43	1	3	1·2	At 18h 69	95	•
Hampstead Observatory	450	od	bc	or	56	44	42	0·4	4	1·4	•	98	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 17th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
≤0·2 whole period.			

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·1	6h 17th	<0·1	4·5h 17th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 17th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1005·1	WNW	2	c	54	1005·1	WSW	1	dr	48	55	48	1	2
Brussels	1003·8	SSW	1	rr	48	1004·6	S	3	c	48	*	46	*	18
Berlin						1009·0	W	1	bc	59		46		-
Zurich	1008·4	SE	2	c/r	50	1009·0	WSW	1	cft	43	61	41	2	2
Rome	1012·5	S	2	b	63	1011·3	ENE	2	b	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 „	6¼ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 18th May, 1939.
No. 28301

OBSERVATIONS at 13h. G.M.T. 17th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)...	1003·9	+2	NE	2	zo	51	85	5	5	-	-	10	10	1500
	Croydon ...	1003·6	0	EN	2	zo	53	85	6	3	6	-	4-6	9	4000
	S. Farnborough	1004·0	+2	N	1	iro	49	85	6	8	7	-	10	10	1500
	Boscombe Down	1004·3	+2	NNE	3	roro	49	92	6	6	2	-	7-8	10	1500
	Calshot (Soton.)	1003·7	0	NE	3	c/r	53	85	6	8	2	-	7-8	10	1500
	Lympne ...	1004·9	+10	SSE	2	c	52	75	7	2	6	1	4-6	7-8	1500
	Manston ...	1004·4	+10	SES	4	c	52	75	6	8	6	3	4-6	7-8	2500
2	Shoeburyness ...	1004·4	+4	E	3	c	54	85	8	8	-	-	9+	9+	2500
	Felixstowe ...	1004·7	+10	SSE	3	b	53	85	9	2	4	6	1	1	2500
	Gorleston ...	1005·5	+14	SES	4	bc	52	85	7	2	4	-	2-3	4-6	2500
	Mildenhall ...	1004·2	+6	NEN	2	c	51	92	7	5	2	-	9+	10	1500
	Cranwell ...	1006·8	+2	N	5	o/d	48	92	6	5	-	-	10	10	800
3	Birmingham ...	1007·1	0	NNE	5	c	47	85	6	5	-	-	9+	9+	1500
	Upper Heyford	1005·3	+2	N	3	roro	48	92	6	5	2	-	9	10	450
4	Ross-on-Wye ...	1006·6	0	NNE	5	zo	49	75	6	5	-	-	10	10	1500
5	Hartland Point	1006·1	-2	NE	4	c	50	85	7	5	7	-	4-6	7-8	1500
	Bristol ...	1005·9	+2	NE	5	zo	50	75	6	5	2	-	9	10	1500
	Portland Bill ...	1003·8	-4	NE	3	c	49	92	7	5	-	-	7-8	10	2500
	Plymouth ...	1005·0	-10	N	5	c	52	75	7	5	-	-	9	9	1500
	The Lizard ...	1006·0	-8	N	3	c	50	85	7	8	2	-	7-8	9	1500
	Scilly (St. Mary's)	1007·5	-8	NNE	6	iro	49	92	6	8	2	-	4-6	10	1500
	Guernsey ...	1004·3	-8	NW	2	c/r	47	92	6	8	-	-	10	10	1500
6	Pembroke ...	1009·1	+2	NE	4	roro	48	92	6	8	2	-	7-8	10	1500
7	Holyhead ...	1010·5	-10	NE	4	c	52	75	8	7	8	-	4-6	7-8	4000
	Chester (Sealand)	1010·3	0	N	4	iro	47	75	6	6	2	-	9	10	1500
8	Manchester ...	1009·5	+4	NE	4	iro	47	75	7	5	7	-	9	10	1500
10	Spurn Head ...	1007·1	+4	NNE	5	c	48	92	5	5	-	-	10	10	800
	Catterick ...	1011·2	-4	NNE	5	c/r	45	85	7	5	-	-	10	10	1500
	Tynemouth ...	1011·6	0	N	6	c	46	85	7	2	-	-	9+	9+	1500
11	St. Abbs Head...	1013·5	-6	NNE	4	c	46	85	8	5	2	-	7-8	10	1500
	Leuchars ...	1013·7	-10	NNE	3	c	51	65	8	5	7	-	7-8	9+	1500
12	Renfrew (Abbotsl.)	1013·8	-8	E	3	c	55	55	8	4	~	6	4-6	9+	4000
	Eskdalemuir ...	1011·6	-8	NNE	5	c	50	65	8	5	-	2	7-8	7-8	1500
	Point of Ayre ...	1012·1	-4	E	4	bc	53	85	8	1	4	6	1	4-6	4000
13A	Tiree ...	1015·4	-8	N	5	bc	51	75	8	7	4	2	2-3	4-6	2500
13B	Stornoway ...	1018·2	-10	NNW	4	c	51	65	9	5	2	-	7-8	10	4000
15	Dalwhinnie ...	1016·0	-10	NE	4	c	45	75	7	5	2	-	7-8	10	2500
	Aberdeen ...	1014·1	-8	N	4	iro	48	85	6	6	2	-	9	10	800
	Wick ...	1014·8	-8	NNW	4	ido	47	85	7	5	2	-	7-8	10	800
16	Lerwick...	1013·7	-12	NE	5	c	46	75	8	5	7	-	7-8	10	1500
17	Blacksod Point...	1016·9	-10	NE	6	c	52	85	8	5	-	-	7-8	10	1500
18	Malin Head ...	1015·9	-8	N	4	c	50	85	8	2	-	7	2-3	9	5700
	Aldergrove ...	1013·5	-10	NEN	2	c	53	55	8	5	-	8	1	9	4000
19	Birr Castle ...	1013·1	-8	NNW	3	c	55	65	8	4	7	1	7-8	9	1500
20	Valentia Obsy.†	1014·4	-14	NE	6	bc	55	65	8	8	4	1	4-6	4-6	2500
	Roches Point ...	1011·4	-8	NE	5	c	57	75	9	8	4	5	4-6	7-8	2500

OBSERVATIONS at 18h. G.M.T. 17th May

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	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)
London (Kew)	1004·5	+6	NEE	2	m	53	85	4	5	-	-	9+	9+	2500	1	*
Croydon	1004·6	+6	SE	1	c/pr	52	85	6	3	6	-	4-6	10	4000	1	*
S. Farnborough	1004·3	+4	ENE	1	c/r	51	85	6	5	3	-	9	10	2500	1	*
Boscombe Down	1004·7	+2	NNE	3	zo	49	92	6	5	2	-	7-8	10	2500	1	*
Calshot (Soton.)	1003·9	+4	E	2	o/r	51	85	6	5	-	-	10	10	2500	1	1
Lympne	1005·5	+4	SES	1	bc	50	85	6	-	-	3	0	2-3	-	0	§ 0
Manston	1005·2	+6	ENE	2	bc	52	75	6	1	4	3	Tr	4-6	4000	1	*
Shoeburyness	1004·9	+12	E	3	bc	53	85	8	8	6	8	4-6	4-6	4000	1	*
Felixstowe	1005·5	+4	SEE	3	bc	53	85	8	1	5	-	Tr	4-6	2500	0	2
Gorleston	1005·9	+4	E	2	bc	52	85	7	1	-	1	1	1	4000	1	2
Mildenhall	1004·9	+2	ESE	2	bc	55	75	7	5	4	-	4-6	4-6	5700	1	*
Cranwell	1007·3	+6	N	4	zo	47	92	5	5	-	-	10	10	800	1	*
Birmingham	1007·5	0	N	3	o	46	85	5	6	-	-	10	10	800	1	*
Upper Heyford	1005·7	-2	NEN	3	zo	48	92	6	6	2	-	9	10	450	1	*
Ross-on-Wye	1006·8	0	NE	4	ido	48	75	6	5	-	-	10	10	800	1	*
Hartland Point	1005·9	+2	N	4	c	50	85	7	5	2	-	7-8	9+	1500	0	3
Bristol	1006·2	+2	NE	4	zo	47	85	6	5	2	-	9	10	800	1	*
Portland Bill	1004·0	-2	NE	3	c	50	85	7	5	4	-	7-8	9	2500	1	3
Plymouth	1005·1	+2	NEN	4	c/r	51	75	6	6	2	-	9	10	800	1	1
The Lizard	1005·0	-4	N	5	c	52	75	7	8	2	-	7-8	9+	1500	0	2
Scilly (St. Mary's)	1006·7	-6	NNE	6	e	49	92	7	8	2	-	4-6	10	1500	0	4
Guernsey	1003·4	-4	N	1	c	48	92	7	8	3	-	4-6	10	800	1	2
Pembroke	1008·0	-2	NE	4	c	48	85	7	5	2	-	7-8	9+	1500	1	2
Holyhead	1009·4	-6	NEE	4	c	50	75	8	1	4	2	2-3	9+	1500	1	2
Chester (Sealand)	1009·8	-2	NE	3	zo	47	75	6	5	2	-	9	10	2500	1	*
Manchester	1009·1	0	NE	4	zo	47	75	6	5	7	-	4-6	10	800	1	
Spurn Head	1007·0	0	NEN	5	m	47	97	4	5	-	-	10	10	800	1	4
Catterick	1010·1	-4	NNE	3	roro	45	97	7	5	2	-	9+	10	800	1	*
Tynemouth	1010·6	-6	N	5	c/pr	46	92	7	6	-	-	10	10	800	1	3
St. Abbs Head	1012·1	-4	N	3	c	45	92	8	8	2	-	7-8	10	1500	0	2
Leuchars	1011·7	-10	NE	2	c	53	65	8	7	4	-	7-8	7-8	4000	1	*
Renfrew (Abbotsl.)	1012·1	-6	ES	2	e	55	65	8	5	3	-	7-8	9+	4000	0	*
Eskdalemuir	1011·1	-6	NEN	4	iro	46	75	8	6	-	-	10	10	1500	1	*
Point of Ayre	1012·1	-6	ENE	4	c	52	85	8	-	6	9	0	9	-	0	3
Tiree	1013·7	-4	N	4	bc	50	75	8	5	4	2	1	4-6	4000	0	3
Stornoway	1015·9	-8	N	4	e/pr	49	75	8	5	7	-	4-6	10	2500	1	2
Dalwhinnie	*	-12	NE	3	c	45	75	8	5	2	-	7-8	10	2500	0	*
Aberdeen	1012·5	-6	N	4	iro	46	85	8	9	-	-	9+	9+	800	0	2
Wick	1013·8	-2	NNE	4	c	45	75	8	5	2	-	9	10	1500	1	2
Lerwick	1012·8	-2	NE	5	c	46	75	8	8	7	-	7-8	10	800	0	*
Blacksod Point	1015·8	-10	NE	6	cq	51	75	8	5	-	-	10	10	2500	0	4
Malin Head	1013·9	-8	N	4	bd	50	85	8	4	4	4	2-3	4-6	5700	0	2
Aldergrove	1012·1	-10	NNE	2	c	55	55	8	5	-	-	9	9	4000	0	*
Birr Castle	1011·5	-12	NNW	3	c	54	65	8	5	7	-	4-6	7-8	1500	0	*
Valentia Obsy.†	1013·2	-10	NNE	5	c	54	65	8	8	4	2	2-3	9+	2500	0	1
Roches Point	1009·8	-12	NE	5	bc	57	65	9	5	-	5	4-6	4-6	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 17th (37)	Weather 13h.—18h. 17th (38)	Weather 18h. 17th to 1h. 18th (39)	Weather 1h.—7h. 18th (40)
London (Kew)	crorrcmo	ozoprom	omcbcb	bbcodmow
Croydon	rr PRf	cmcproz	cbcmmbw	b,cmwodf
S. Farnborough	cdoR roc	cirocmo	irobof	offemo
Boscombe Down	cid crorо	crorocmo	cirocroro	cprcmo
Calshot (Soton.)	croromo	cprorocmo	ciromo	cmoprocmo
Lympne	cromobc	bc	bccmo	bccmo
Manston	cmo	bczo	bcc,bmo	bmbcmow
Shoeburyness	c	cbc	bc	iromc
Felixstowe	ororocbc	bvbbc	bcc	cbffbc
Gorleston	oprobc	bc	bcw	bcfczo
Mildenhall	cidorocmo	c	bcbmffc	bmffecm
Cranwell	ododomo	odomo	cdororoc	owcmo
Birmingham	·oroc	co		oiro
Upper Heyford	cdodororo	crorododoc	°cmo	ciroido
Ross-on-Wye	c	ccdo	omoido	roidoro
Hartland Point	rrroroc	c	c	c
Bristol	crocmo	crodrodo	cmoro	cmoroR
Portland Bill	opr	opr	cpr	cpr
Plymouth	ciroc	cirocmo	cirocmo	cmoo
The Lizard	cproc	c	cbc	bcczo
Scilly (St. Mary's)	c iro	ciroc	cbc	bcc
Guernsey	orcir	crrir	co	ocbc
Pembroke	cirmoq	coiro	bcmo	bccmo
Holyhead	rororoiro c	bcc	c	bcvc
Chester (Sealand)	rrromozo	croromozo	cmoro	croromo
Manchester	ciroirc	ciroc	cczomororo	crorocmo
Spurn Head	dodcm	com	moo	ocido
Catterick	cmoiroc	croro	croromoc	owido
Tynemouth	c	coidop	oiro	cpoc
St. Abbs Head	prc	c	croro	oroc
Leuchars	c	c	cbc	bccw
Renfrew (Abbotsl.)	bccy	cyc	ccmo	cmoc
Eskdalemuir	c	cro	iroc	cciro
Point of Ayre	bccbc	vbcc	c	c
Tiree	cbc	bc	bc	bcc
Stornoway	c	cpr	cpr	c
Dalwhinnie	ciro	c	*	ciro
Aberdeen	ciro	ciro	ciro	c
Wick	cido	cproc	c	cpro
Lerwick	c	c	c	cpro
Blacksod Point	cbcq	cq	c	c
Malin Head	cbcc	cbc	bc	bcc
Aldergrove	cbccy	cy	cyc	c
Birr Castle	c	c	c	c
Valentia Obsy.†	bccbc	bccyc	cbcc	c
Roches Point	cproc	cbc	bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⟋gale.
⊕ Solar halo. ◯ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

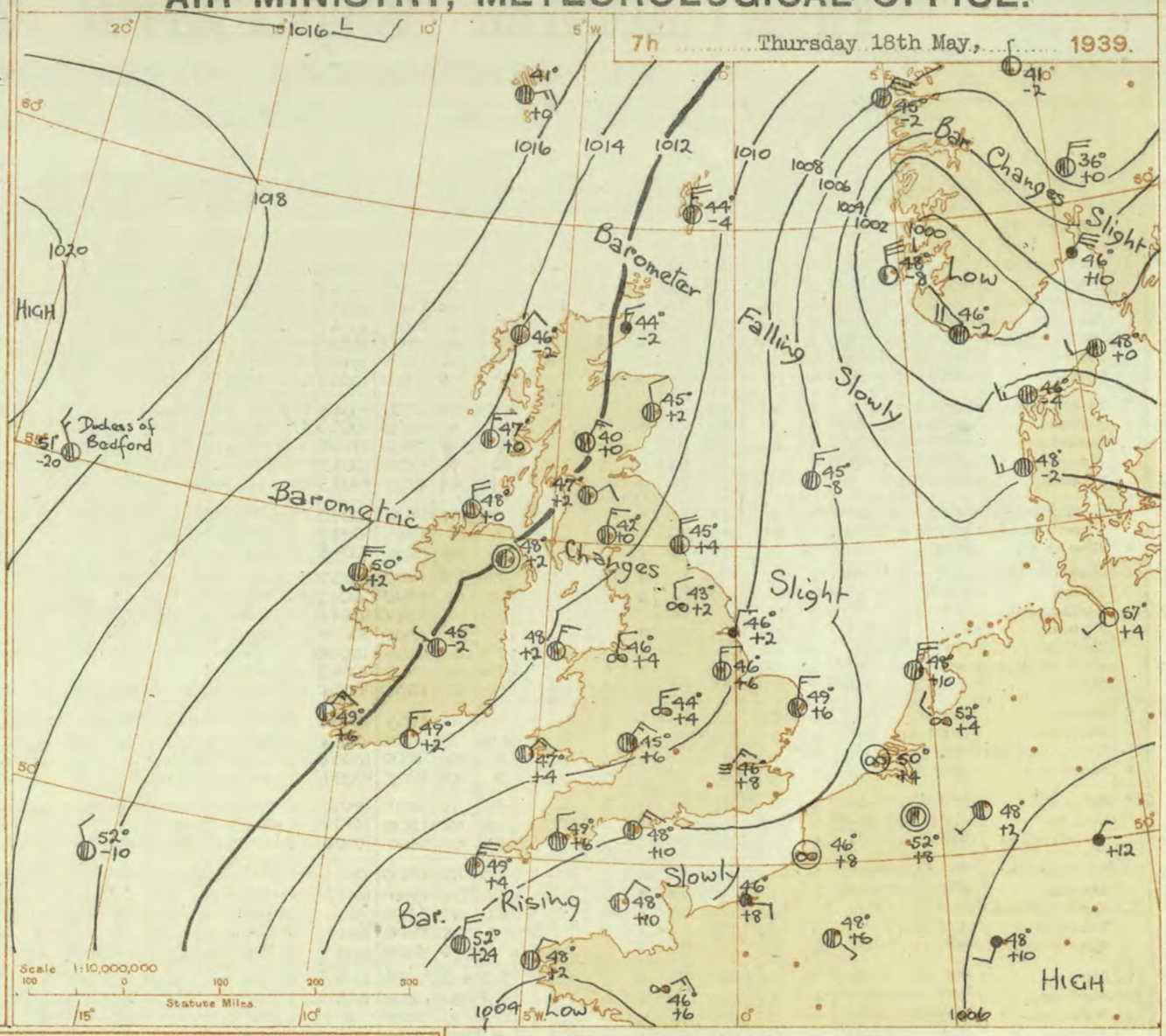
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 17th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 16th to 9h. 17th	Temperature. (°F) Max. 9h.—17h. 17th	Rainfall. (mm.) Night. 17h. 16th to 9h. 17th	Rainfall. (mm.) Day. 9h.—17h. 17th	Sunshine. (Hrs.) Sunrise to 17h. 17th	Sunshine. (Hrs.) Sunrise to Sunset. 16th
1	Tunbridge W.	opoc	ocbcb	44	58	0·5	0·5	1·9	0·2
	Bournemouth	oir	roro	45	52	1	3	0·0	1·2
	Ventnor ...	orc	copbc	44	54	1	5	1·5	1·2
	Southsea ...	oro	ocpo	45	54	1	4	0·2	1·9
	Bognor Regis	prc	cbcc	45	58	2	1	1·8	0·9
	Littlehampton	cpc	cbc	46	54	2	0·4	2·1	0·3
	Worthing ...	cro	crbcb	45	53	1	1	3·9	0·5
	Brighton ...	cdc	cbc	46	55	1	Trace	3·7	1·1
	Eastbourne† ...	c	cbcb	46	54	0·4	-	3·9	0·4
	Hastings† ...	oc	bc	45	54	1	-	5·2	1·4
	Folkestone ...	oc	cbcc	46	57	2	-	5·3	2·1
	Dover ...	cbc	bc	46	55	1	-	6·9	2·3
	Deal	rcbcb	b	46	57	5	-	8·1	1·2
	Ramsgate ...	oc	bc	46	54	5	-	6·7	2·8
	Margate ...	bcbc	bc	47	55	3	-	6·6	1·9
2	Southend ...	coc	c	46	57	1	-	1·5	2·4
	Clacton-on-Sea	orcbc	bc	46	53	3	2	4·5	1·3
	Dovercourt ...	bcroc	bc	46	57	6	Trace	6·6	1·2
	Lowestoft ...	cbcb	b	46	54	0·6	-	7·0	1·2
	Skegness ...	ocbco	ocbc	46	52	3	-	2·0	2·0
	Mablethorpe...	obc	oz.	47	51	5	-	1·7	2·5
	Cleethorpes ...	d.c	co	46	49	9	Trace	0·0	2·9
3	Leamington S.	od	opd	44	48	5	1	0·0	3·0
4	Cheltenham†	cbc	cor.	43	52	3	0·3	1·8	2·8
5	Bath	c	cd.	45	55	0·3	Trace	0·2	1·6
	Weymouth ...	ir.	ir.	45	53	0·5	2	0·0	0·4
	Jersey ...	co	pc	47	51	-	0·2	0·0	0·7
	Torquay ...	op.c	bcom.	46	55	-	Trace	1·6	0·4
	Falmouth ...	c	c	47	53	0·2	-	0·7	5·5
	Penzance ...	r.c	cqc	47	52	1·	-	0·1	7·4
	St. Ives ...								
	Bude... ...	odo	oc	46	53	2	-	1·0	5·1
	Ilfracombe ...	roco	o	46	53	2	-	0·0	2·0
6	Aberystwyth	prc	c	46	53	6	-	0·1	9·1
7	Llandudno ...	cir	rorc	46	49	9	4	0·0	6·4
	Colwyn Bay...	porop	porop	45	48	7	3	0·0	5·4
	Rhyl	crr	orr	47	49	15	6	0·0	7·5
8	Wallasey ...	crr	rc	44	48	6	5	0·0	8·4
	Southport ...	cor	rrcr.	45	47	5	3	0·0	7·0
	Blackpool ...	cer.	ir.cr	46	51	2	1	0·0	8·7
	Morecambe ...	c	c	46	51	-	-	0·1	8·3
9	Ilkley... ...	ro	ro	44	46	7	2	0·0	6·9
	Harrogate ...	corr	irc	43	44	7	4	0·0	6·2
10	Berwick-on-T	oc	d.o	44	48	Trace	Trace	0·0	1·9
11	Dunbar ...	cm.	cm.	44	48	-	-	0·0	4·5
12	Troon... ...	coc	bcc	39	57	-	-	8·1	9·2
	Douglas ...	bc	bc	45	55	3	-	8·0	7·5

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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 May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind northeast moderate; cloudy, occasional rain, brighter periods tomorrow; cold.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B. N.W. Scotland. 14 Mid Scotland	Wind northerly moderate; bright periods but some showers locally; cold.
15 N. E. Scotland 16 Orkney and Shetland	Wind northerly, strong; showers of hail or rain; bright periods; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5 - 14.

GENERAL INFERENCE.

Pressure remains low in a belt from France to the Baltic. Over most of England it will be cloudy and cool with occasional rain or drizzle but in the North and West there will be bright periods.

FURTHER OUTLOOK.

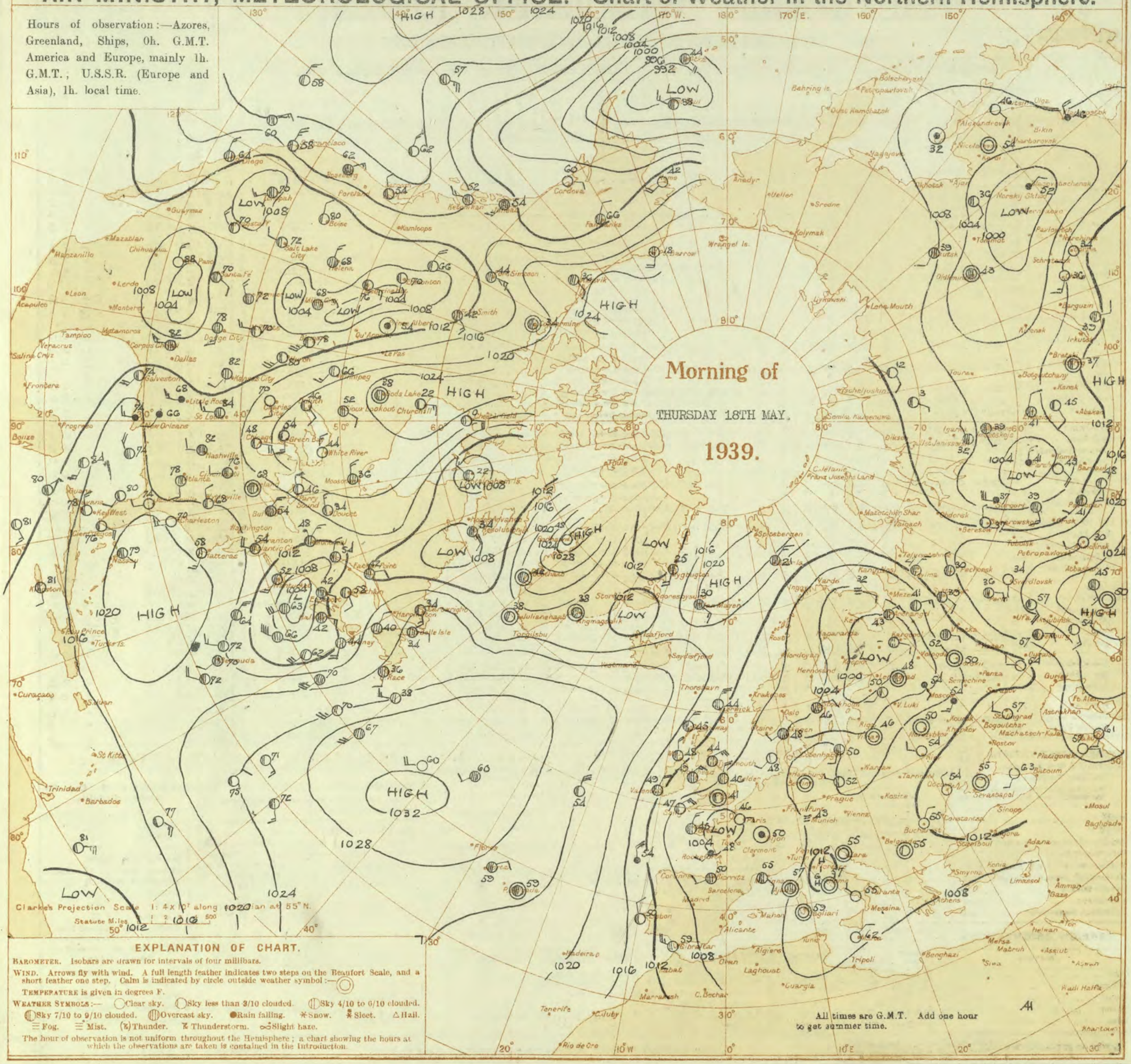
Unsettled and rather cold.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 18th May, 1939.
No. 28301

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1006.0	+4	–	0	zo	41	97	5	5	–	–	2-3	2-3	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1006.0	-4	NNE	2	zo	45	97	6	5	–	–	2-3	2-3	4000
	Manston	154	1005.4	-6	NE'E	1	zo	45	92	5	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1006.8	0	N	1	bc	47	85	6	5	–	–	2-3	2-3	2500
	Mildenhall	19	1006.6	+4	NE'N	3	f	43	97	2	–	–	–	10	10	<150
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1006.5	0	NE	3	c	47	85	7	5	2	–	7-8	10	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1004.6	+4	E	3	c/pr	48	92	7	5	–	–	7-8	7-8	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1006.0	0	N	3	bc	48	85	7	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	1007.0	-4	NE'N	5	bc	47	92	6	8	–	–	4-6	4-6	1500
	Guernsey	175	1003.9	+2	–	0	o	47	92	6	5	–	–	10	10	1500
6	Pembroke	142	1008.9	0	E'S	2	bc	45	85	6	5	2	–	2-3	2-3	1500
7	Holyhead	26	1009.6	-2	NE	3	c	49	85	7	5	2	–	4-6	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1008.0	0	NNE	4	o	46	97	7	5	–	–	10	10	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1010.1	-4	NE	5	c/r	44	85	8	2	–	–	7-8	7-8	1500
11	St. Abbs Head	280	1011.1	-4	N	4	roro	42	92	7	3	6	–	7-8	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1010.8	0	E	4	c	48	92	8	8	–	–	9+	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1015.4	-4	NNE	4	c	45	75	6	5	2	–	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1012.7	-10	NNE	4	c	46	75	8	5	2	–	9	10	1500
16	Lerwick	156	1012.1	-8	NNE	5	c	44	65	8	8	7	–	7-8	10	1500
17	Blacksod Point	18	1014.1	-2	NNE	6	c	49	85	7	5	–	–	10	10	800
18	Malin Head	84	1012.8	-2	N	4	bc	48	85	8	4	–	–	4-6	4-6	5700
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012.6	-6	N'E	4	c	49	75	6	8	–	–	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1007.1	+12	NE	2	ido	47	92	5	5	–	–	10	10	1500	1	*
Croydon	1006.7	+8	NE	3	of–	46	97	3	5	–	–	10	10	220	1	*
S. Farnborough	1006.8	+12	NNE	2	zo	47	97	5	5	–	–	10	10	450	1	*
Boscombe Down	1007.0	+10	NE'N	3	zo	48	92	5	9	–	–	9	9	1500	1	*
Calshot (Sthmtn.)	1006.0	+6	N'W	2	c/pr	46	92	6	5	7	–	4-6	10	4000	1	1
Lympne	1006.6	+8	NE'N	3	zo	49	97	5	5	–	–	9+	9+	5700	1	§3
Manston	1006.5	+10	N'E	4	zo	47	92	5	5	–	–	10	10	220	1	*
Shoeburyness	1007.1	+12	N'E	3	c	48	92	6	5	7	–	9	9+	1500	1	*
Felixstowe	1007.3	+12	N'E	3	c	48	85	7	5	7	–	2-3	9+	2500	1	2
Gorleston	1007.4	+6	N'E	3	c	49	85	6	5	–	–	9+	9+	2500	0	2
Mildenhall	1007.4	+10	N'E	2	zo	47	97	6	5	3	–	9	9+	1500	1	*
Cranwell	1008.3	+6	N	3	c	46	92	7	5	1	–	9+	9+	1500	1	*
Birmingham	1008.6	+4	N	3	zo	44	92	5	5	–	–	10	10	800	1	*
Upper Heyford	1007.7	+10	NE'E	3	m	46	97	4	5	–	–	10	10	220	1	*
Ross-on-Wye	1008.1	+6	NE	3	o/r	45	85	6	5	–	–	10	10	800	1	*
Hartland Point	1006.8	+6	NE	3	c	47	85	7	5	2	–	7-8	9+	1500	0	2
Bristol	1007.6	+8	NNE	3	m/r	45	97	4	5	–	–	10	10	220	1	*
Portland Bill	1005.8	+10	NE	3	c	48	92	7	5	–	–	7-8	7-8	2500	1	3
Plymouth	1006.1	+6	N	2	o	49	85	7	5	–	–	10	10	1500	0	1
The Lizard	1006.2	+8	N'E	3	c	47	85	7	5	–	–	10	10	1500	0	2
Scilly (St. Mary's)	1006.9	+4	NNE	5	c	49	92	6	8	2	–	4-6	10	1500	0	3
Guernsey	1004.8	+10	NE	2	bc	48	85	7	–	3	–	0	4-6	–	1	2
Pembroke	1008.4	+4	NE	3	c	47	85	6	5	6	–	7-8	9+	1500	1	1
Holyhead	1009.6	+2	NNE	3	c	48	85	8	8	3	–	4-6	9+	2500	1	2
Chester (Sealand)	1009.6	+4	N'E	2	zo	46	85	6	8	–	–	9+	9+	2500	1	*
Manchester	1009.4	+6	NE	3	zo	45	75	6	8	3	–	4-6	9	2500	1	*
Spurn Head	1008.0	+2	NNE	2	ido	46	97	5	5	–	–	10	10	800	1	2
Catterick	1009.5	+2	N'W	2	zo	43	92	6	6	–	–	10	10	800	1	*
Tynemouth	1009.4	+4	N	4	c	45	85	7	9	–	–	9+	9+	800	1	2
St. Abbs Head	1010.3	+6	N	4	c	43	85	8	8	2	–	7-8	10	1500	1	3
Leuchars	1011.1	0	N	2	c	46	75	8	5	2	–	9+	10	2500	1	*
Renfrew (Abbots I.)	1012.0	+2	NE'E	2	c	47	75	8	5	–	–	10	10	4000	0	*
Eskdalemuir	1010.5	0	N'E	3	c	42	85	8	6	–	–	10	10	1500	1	*
Point of Ayre	1010.5	0	NE'E	3	c	49	85	8	–	7	–	0	9+	–	0	2
Tiree	1011.9	0	N'E	3	c	47	75	9	5	–	–	9	9	2500	0	2
Stornoway	1014.0	-2	NNE	2	c	46	65	9	5	2	–	4-6	10	2500	1	1
Dalwhinnie	1012.3	0	NE	3	c	40	85	7	5	2	–	4-6	10	2500	1	*
Aberdeen	1011.0	+2	N'W	2	c	45	75	8	5	–	–	9+	9+	4000	0	1
Wick	1011.7	-2	N	3	pr	44	75	8	5	7	2	4-6	9+	1500	1	1
Lerwick	1010.7	-4	N	5	c/pr	44	75	8	8	7	–	4-6	7-8	1500	0	*
Blacksod Point	1013.2	+2	N'E	5	c	50	75	8	3	–	–	9	9	800	0	4
Malin Head	1012.2	0	N	4	c	48	85	8	5	–	–	9	9	1500	0	2
Aldergrove	1010.8	+2	–	0	c	48	85	8	5	–	–	10	10	4000	0	*
Birr Castle	1011.4	-2	NW	1	c	45	97	8	5	1	–	7-8	10	1500	0	*
Valentia Obsy. †	1012.5	+6	NE	3	c	49	75	8	5	–	–	10	10	2500	0	2
Roches Point	1010.3	+2	N	3	bc	49	85	8	5	–	–	4-6	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 17th Hrs. (36)
London (Kew)	53	43	33	5	Tr	0.0
Croydon	55	39	32	3	Tr	0.0
S. Farnborough	53	38	32	3	0.1	0.3
Boscombe Down	50	45	44	3	1	0.4
Calshot (Sthmtn.)	54	42	40	2	Tr	0.2
Lympne	53	44	40	0.6	–	7.4
Manston	55	43	36	Tr	–	7.5
Shoeburyness	55	47	44	–	Tr	2.3
Felixstowe	55	43	39	1	–	7.8
Gorleston	52	43	42	0.5	–	8.6
Mildenhall	56	41	35	1	Tr	10.0
Cranwell	50	44	43	0.3	0.4	0.0
Birmingham	48	43	42	0.1	0.3	0.0
Upper Heyford	51	45	44	3	1	*
Ross-on-Wye	50	44	43	Tr	0.4	0.0
Hartland Point	51	47	46	1	–	0.4
Bristol	51	45	45	0.2	2	0.1
Portland Bill	50	45	*	4	1	*
Plymouth	54	48	47	0.1	Tr	0.5
The Lizard	55	46	*	Tr	–	2.6
Scilly (St. Mary's)	51	47	*	0.5	–	0.0
Guernsey	48	46	46	2	–	0.2
Pembroke	50	44	*	2	–	0.1
Holyhead	53	45	43	Tr	–	4.2
Chester (Sealand)	49	44	44	1	1	0.0
Manchester	49	44	42	0.1	2	0.0
Spurn Head	51	45	*	Tr	Tr	3.5
Catterick	46	41	40	1	0.2	0.0
Tynemouth	47	42	40	0.5	1	0.0
St. Abbs Head	46	41	*	Tr	0.2	*
Leuchars	53	43	36	–	–	1.7
Renfrew (Abbots I.)	58	45	44	–	–	6.3
Eskdalemuir	51	40	40	Tr	Tr	1.4
Point of Ayre	55	46	*	–	–	9.3
Tiree	52	45	44	–	–	9.8
Stornoway	51	44	*	Tr	0.1	0.1
Dalwhinnie	46	37	36	Tr	0.5	0.0
Aberdeen	49	43	43	Tr	Tr	0.0
Wick	49	44	*	Tr	Tr	*
Lerwick	48	42	*	–	Tr	0.2
Blacksod Point	53	46	*	–	–	*
Malin Head	51	46	*	–	–	7.3
Aldergrove	36	46	41	–	–	8.2
Birr Castle	56	44	45	–	–	6.0
Valentia Obsy. †	56	48	44	–	–	7.3
Roches Point	60	48	*	Tr	–	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	crrcm	ozprom	omcdmw	53	43	33	5	Tr	0.0	•	•	5
Croydon	217	rrPRf	cmcprzo	cbcmwodf	55	39	32	3	Tr	0.0	•	•	6
Greenwich (Royal Observatory)	149	f	roc	cbc	56	42	33	1	–	0.7	70	85	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Park)	27	•	•	•	55	46	41	4		0.1	79	85	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	55	45	40	2	0.2	0.1	86	87	•
Camden Square	110	c	c	•	55	45	37	2	–	*	•	90	•
Kensington	80	cr	bc	•	54	43	35	3	Tr	0.1	At 18h 86	91	•
Hampstead Observatory	450	or	o	o	53	43	38	2	–	0.5	*	93	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.6	12-13h 17th	<0.3	5-6h 18th

Kew Observatory Max.	Time.	Min.	Time.
0.5	17h 17th	0.1	5h 18th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 18th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1004.7	S	4	c	54	1005.0	SE	1	c	48	59	43	1	Tr
Brussels	1004.9	–	0	c	57	1005.4	–	0	c	52	63	*	1	*
Berlin						1006.0	SSW	1	b	63		46		–
Zurich	1007.6	S	3	c	55	1006.8	WNW	1	c	50	59	41	–	–
Rome	1009.6	SW	1	b	63	1008.7	NE	1	bc	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 ,, 6¼ ,,
- 7 Good ,, 12½ ,,
- 8 Very good ,, 31 ,,
- 9 Excellent ,, beyond 31m.

COLUMN 30.—Code for State of Sea.
- 0 Calm. 5 Very rough.
- 1 Smooth. 6 High.
- 2 Slight. 7 Very high.
- 3 Moderate. 8 Precipitous.
- 4 Rough. 9 Confused.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 19th May, 1939.
No. 28302

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	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)...	1007·8	+4	NNE	2	z	54	65	6	5	2	-	2-3	10	1500
	Croydon ...	1007·5	+6	N	2	ro ro	52	88	4	6	2	-	4-6	10	1500
	S. Farnborough	1007·3	+2	NE	3	z	56	76	5	1	3	-	4-6	7-8	2500
	Boscombe Down	1007·6	+6	NE'N	3	z	53	75	7	5	7	-	7-8	10	2500
	Calshot (Soton.)	1006·8	+8	SSE	1	pr	55	75	7	2	1	-	4-6	10	1500
	Lympne ...	1007·2	+2	NE'N	4	bc	54	75	7	1	-	-	2-3	2-3	2500
	Manston ...	1007·5	+6	NE	3	c	52	75	6	5	3	-	4-6	7-8	800
2	Shoeburyness ...	1007·8	+6	E'S	4	c	52	85	7	7	-	-	7-8	7-8	4000
	Felixstowe ...	1007·5	+2	E	3	c	58	75	7	3	1	8	7-8	9	1500
	Gorleston ...	1007·7	+2	NNE	4	c	52	75	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	1007·8	+6	NNW	2	c	55	75	8	8	-	-	10	10	2500
	Cranwell ...	1009·0	0	N'E	2	c	48	85	7	5	2	-	7-8	10	1500
3	Birmingham ...	1009·3	0	N	2	c	49	75	6	8	7	-	7-8	10	1500
	Upper Heyford	1009·0	+6	N'E	3	c	52	75	8	5	7	-	4-6	9	1500
4	Ross-on-Wye	1008·9	+4	NE	3	zo	52	75	5	7	-	-	9	9	2500
5	Hartland Point	1008·3	+6	ENE	3	c	53	85	7	4	1	-	4-6	7-8	1500
	Bristol ...	1008·8	+10	N'E	3	z	52	85	6	5	-	-	9	9	1500
	Portland Bill ...	1006·9	+6	NE	3	c	58	75	7	4	-	-	10	10	4000
	Plymouth ...	1007·7	+6	-	0	c	55	65	7	5	-	-	9+	9+	2500
	The Lizard ...	1007·6	+10	ENE	3	c	55	75	7	8	2	-	7-8	9+	1500
	Scilly (St.Mary's)	1008·3	+10	NE'N	4	c	55	85	6	8	6	3	4-6	7-8	2500
	Guernsey ...	1006·1	+4	NNE	3	bc	55	75	7	1	3	-	1	4-6	1500
6	Pembroke ...	1009·0	+2	NE	3	c	52	65	7	5	2	-	7-8	9+	2500
7	Holyhead ...	1010·0	0	N'W	3	c	51	65	9	1	-	2	2-3	7-8	2500
	Chester (Sealand)	1010·1	+2	NNW	2	z	51	65	6	5	2	-	7-8	10	2500
8	Manchester ...	1009·7	+2	NE'E	1	zo	50	65	6	5	-	-	10	10	4000
10	Spurn Head ...	1008·9	+4	N'W	3	c	50	75	7	8	7	-	7-8	9	2600
	Catterick ...	1010·2	+6	N'E	3	c	47	76	7	9	7	-	7-8	10	1500
	Tynemouth ...	1010·0	+2	NE	4	c	47	65	8	8	-	-	9+	9+	1500
11	St. Abbs Head...	1010·6	0	N	3	c	46	75	8	3	3	-	4-6	9	1500
	Leuchars ...	1011·0	-2	ESE	3	c	50	65	8	5	7	-	7-8	9	2500
12	Renfrew (AbbotsI.)	1011·5	-2	ENE	1	c	53	55	9	5	-	-	9+	9+	4000
	Eskdalemuir ...	1010·5	0	NNE	3	c	48	55	8	5	-	-	9+	9+	2500
	Point of Ayre ...	1010·1	+2	E	3	c	50	85	8	8	7	-	Tr	10	2500
13A	Tiree ...	1012·0	0	N'E	2	bc	50	65	9	5	4	-	2-3	2-3	4000
13B	Stornoway ...	1014·1	0	ENE	3	c	49	65	9	5	7	-	4-6	10	2500
15	Dalwhinnie ...	1011·6	0	NNE	2	c	47	65	8	4	6	-	7-8	10	2500
	Aberdeen ...	1010·9	0	N'W	3	c	50	55	8	8	-	-	9+	9+	2500
	Wick ...	1011·5	+2	NE	4	c	48	65	8	8	7	9	4-6	7-8	1500
16	Lerwick...	1010·0	-4	NE	5	c	48	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1013·4	0	NNE	4	bc	51	85	8	3	-	-	4-6	4-6	1500
18	Malin Head ...	1012·5	+2	N	1	c	50	85	8	8	-	-	7-8	7-8	5700
	Aldergrove ...	1011·0	-2	S	2	c	52	75	7	8	-	-	9+	9+	2500
19	Birr Castle ...	1011·5	-4	NW	1	c	54	65	8	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1012·8	+2	N'W	4	c	54	65	8	5	-	-	9+	9+	4000
	Roches Point ...	1011·2	+6	N	1	c	54	75	8	8	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	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)
London (Kew)	1008·3	+6	E'N	1	m	54	65	4	5	2	-	9	10	2500	1	*
Croydon	1008·2	+4	NE'E	2	z	51	92	5	5	7	-	7-8	9+	5700	1	*
S. Farnborough	1008·6	+4	NE	2	zo	55	65	6	8	7	-	9	9+	4000	1	*
Boscombe Down	1008·2	+2	N'E	2	zo	54	75	7	5	3	-	2-3	7-8	2500	0	*
Calshot (Soton.)	1007·8	+6	NNE	3	z	55	75	6	5	-	-	10	10	4000	1	§ 1
Lympne	1007·3	+4	NNE	3	b	52	75	7	1	-	1	Tr	Tr	4000	0	3
Manston	1008·2	+8	NE'N	3	zo	50	75	6	-	-	1	0	Tr	-	1	*
Shoeburyness	1008·4	+2	NNE	2	c	50	85	7	5	-	-	10	10	2500	0	*
Felixstowe	1008·3	+4	ENE	2	dr	50	85	7	8	7	-	7-8	9+	1500	1	1
Gorleston	1008·7	+6	N'W	3	c	50	75	7	8	-	-	9	9	2500	0	2
Mildenhall	1008·8	+6	N	3	c	50	75	7	5	7	-	7-8	9+	2500	1	*
Cranwell	1010·1	+6	N	3	c	46	86	7	5	-	-	10	10	2500	1	*
Birmingham	1009·8	0	NNE	2	o	49	75	5	5	-	-	10	10	1500	1	*
Upper Heyford	1009·3	+4	N	2	zo	51	65	6	5	3	-	2-3	7-8	2500	1	*
Ross-on-Wye	1008·9	0	NE	3	zo	52	65	6	-	-	6	0	9	-	1	*
Hartland Point	1008·7	0	N	3	bc	50	85	7	4	1	-	2-3	4-6	1500	0	2*
Bristol	1008·8	+2	NNE	3	zo	54	65	6	8	7	-	7-8	9+	2500	1	
Portland Bill	1007·6	+6	NE	3	c	54	85	7	4	-	-	10	10	4000	1	3
Plymouth	1008·0	0	S	1	z	52	85	6	5	7	-	7-8	9+	4000	0	1
The Lizard	1008·6	0	N	2	c	53	85	8	8	2	-	7-8	10	2500	0	2
Scilly (St.Mary's)	1009·3	+2	NE'N	4	bc	52	92	7	2	6	-	2-3	4-6	2500	0	2
Guernsey	1006·8	+4	N'E	4	zo	53	85	6	-	3	-	0	2-3	-	1	2
Pembroke	1009·7	0	NE'N	4	bcq	52	65	7	5	2	-	2-3	4-6	2500	1	2
Holyhead	1010·5	+2	N'W	3	c	49	75	8	7	-	8	7-8	9+	4000	0	1
Chester (Sealand)	1010·6	+4	NNE	1	z	49	75	6	5	-	-	10	10	2500	1	*
Manchester	1010·3	+8	NE	3	zo	49	75	6	5	-	-	10	10	4000	1	*
Spurn Head	1009·4	+2	N'E	4	c	47	75	7	5	-	-	10	10	2500	1	3*
Catterick	1010·7	+4	N'E	2	c	46	75	7	5	3	-	9+	9+	2500	1	
Tynemouth	1010·3	0	N	4	bc	47	75	8	2	3	-	4-6	4-6	2500	1	2
St. Abbs Head	1011·3	+4	NNE	2	bc	46	65	9	5	4	4	2-3	4-6	2500	0	2
Leuchars	1010·9	-2	E	2	c	48	65	8	5	4	8	4-6	7-8	4000	1	*
Renfrew (AbbotsI.)	1010·3	-6	WSW	3	c	53	65	9	4	5	-	9	9+	2500	0	*
Eskdalemuir	1010·3	0	E'S	1	c	48	65	8	5	-	-	9+	9+	2500	1	*
Point of Ayre	1011·1	0	N'W	1	c	50	85	8	2	3	-	Tr	9	2500	0	1
Tiree	1011·5	-2	N	3	bc	50	75	8	1	4	-	1	2-3	4000	0	2
Stornoway	1013·7	-4	NE	4	c	48	65	9	5	3	9	4-6	7-8	4000	1	2
Dalwhinnie	*	-4	NNE	2	c	48	92	8	4	2	-	4-6	10	2500	0	*
Aberdeen	1010·8	+2	N'W	3	bc	48	55	8	4	-	8	2-3	2-3	4000	0	1
Wick	1011·4	+2	N	3	c	47	65	8	8	7	9	4-6	7-8	1500	1	2
Lerwick	1009·6	+2	NNE	5	bc	46	65	8	5	7	-	4-6	4-6	2500	0	*
Blacksod Point	1013·2	0	NNE	4	bc	52	85	8	2	6	-	2-3	4-6	1500	0	3
Malin Head	1012·3	0	N	2	c	48	75	8	5	-	-	7-8	7-8	5700	0	1
Aldergrove	1010·9	-2	-	0	c	52	75	8	5	-	-	10	10	4000	0	*
Birr Castle	1011·5	0	NW	1	c	54	75	8	5	1	-	7-8	10	1500	0	*
Valentia Obsy.†	1012·8	+2	N	3	c	55	65	8	8	3	1	7-8	9+	4000	0	1
Roches Point	1011·4	0	SW	3	c	53	85	8	8	1	-	7-8	9+	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 18th (37)	13h.—18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.—7h. 19th (40)
London (Kew)	odmwom	omczcz	czoc	bczo
Croydon	firopro	roropro m	cmomfbcm	cbcmoc
S. Farnborough	omcz	cz	czobc	bcbwbc
Boscombe Down	cm	cm	cmo	bcbmcm
Calshot (Soton.)	cmompr	procm	cmo	bcmow
Lympne	cmbcb	bbcb	bbcmo	cmoc
Manston	cbccm	cmbz	bcmo	c
Shoeburyness	cmbc	bcc	c	cbcw
Felixstowe	bcrcmbc	corcsd	crodobc	bcbwc
Gorleston	cbcc	c	c	cprobc
Mildenhall	cmc	cbcc	c	ccw
Cranwell	c	c	oddocbcm	bcbmo
Birmingham	oc	ob	or	ob
Upper Heyford	cmc	cbcc	bccmo	cbcbmm
Ross-on-Wye	om	czbcbbc	cbczcmo	ocbmo
Hartland Point	c	cbc	bcc	c
Bristol	cmm	cmcz	cbccmo	cbccmo
Portland Bill	c	c	bco	oc
Plymouth	cmc	c	cmobcb	bwcbcm
The Lizard	cbcc	cprc	cbcw	bcw
Scilly (St.Mary's)	cbcc	cbc	bcb	b
Guernsey	cbc	bcz	bczbw	bwbcc
Pembroke	c	cbc	bcc	cmo
Holyhead	c	c	cbbcw	bwbc
Chester (Sealand)	cmz	zcz	czomo	cmo bmfw
Manchester	cz	cz	czobzo	bzowcf
Spurn Head	idprc	c	proc	c
Catterick	cmirc	cczc	cbmo	cw
Tynemouth	cpo	cbc	bc	bccbc
St. Abbs Head	c	cbc	bc	bcc
Leuchars	cwc	corc	bcw	bcxcbc
Renfrew (AbbotsI.)	ccy	cbcyc	c	czo
Eskdalemuir	circcy	cyc	cdodo	docpro
Point of Ayre	c	c	c	c
Tiree	c	bc	bc	bcc
Stornoway	c	c	cbc	c
Dalwhinnie	c	c	·	c
Aberdeen	cidcy	cybcy	bcprob	bbw
Wick	cocc	c	cprc	cbc
Lerwick	cpr	cprbc	bccpro	cbcc
Blacksod Point	prc	bc	bc	proc
Malin Head	c	c	cbcc	c
Aldergrove	cdoc	c	c	c
Birr Castle	c	c	c	c
Valentia Obsy.†	c	c	cbcbw	bwbcc
Roches Point	bcc	c	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

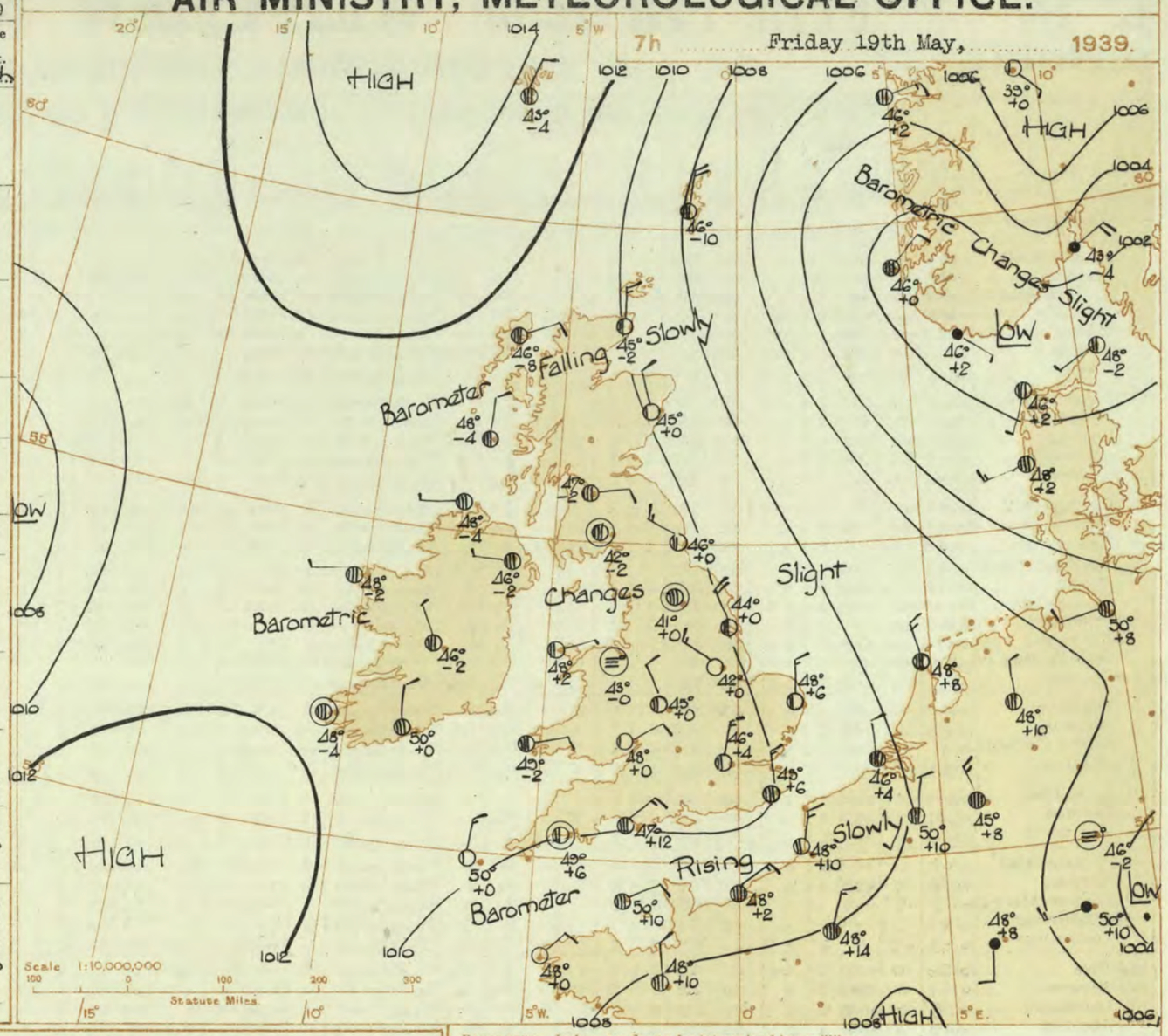
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 18th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 17th to 9h. 18th	Temperature. (°F) Max. 9h.—17h. 18th	Rainfall. (mm.) Night. 17h. 17th to 9h. 18th	Rainfall. (mm.) Day. 9h.—17h. 18th	Sunshine. (Hrs.) Sunrise to 17h. 18th	Sunshine. (Hrs.) Sunrise to Sunset. 17th
1	Tunbridge W.	obc	co	41	58	-	-	1·2	3·8
	Bournemouth	o	cobo	40	59	3	Trace	0·2	0·0
	Ventnor ...	omc	cbc	49	58	-	-	4·6	1·5
	Southsea ...	cbec	cor	43	59	Trace	Trace	2·2	0·2
	Bognor Regis.	oc	becor	45	59	1	1	1·0	2·2
	Littlehampton	c	ctlrc	43	59	Trace	10	0·8	3·0
	Worthing ...	c	otRR	45	57	-	14	0·7	5·0
	Brighton ...	bl	cRc	45	61	-	11	3·2	5·8
	Eastbourne† ...	c	beor	47	58	1	0·2	4·6	5·6
	Hastings† ...	coc	bebcc	47	56	-	-	2·7	7·1
	Folkestone ...	bc	b	47	57	-	-	8·3	5·9
	Dover ...	bc	bcb	48	57	-	-	7·6	8·3
	Deal	cbc	cbcb	44	56	0·5	-	4·3	9·5
	Ramsgate ...	c	bc	47	52	-	-	4·6	8·4
	Margate ...	cbc	bc	47	53	-	-	6·2	8·5
2	Southend ...	co	cor	46	54	-	Trace	0·3	1·5
	Clacton-on-Sea	bc	becp	44	54	-	Trace	5·2	5·6
	Dovercourt ...	be	rocu	44	54	-	2	5·7	7·5
	Lowestoft ...	becbc	cbcc	41	56	-	-	5·6	8·8
	Skegness ...	cbco	o	45	50	-	-	0·7	2·0
	Mablethorpe...	o	beco	46	51	-	-	1·1	1·7
	Cleethorpes ...	oc	ocv	45	50	0·5	-	0·0	0·0
3	Leamington S.	oc	co	44	52	1	-	0·0	0·0
4	Cheltenham†	zoc	cbcy	44	58	Trace	-	3·1	1·8
5	Bath	cbc	c	47	57	0·3	-	2·1	0·2
	Weymouth ...	bc	berrc	44	61	0·6	5	3·9	0·3
	Jersey ...	pebc	bcc	47	59	0·2	-	7·6	0·0
	Torquay ...	ocb	bcbz	47	58	1	-	6·3	1·6
	Falmouth ...	c	copoc	48	56	Trace	0·2	0·9	1·0
	Penzance ...	c	cb	48	57	-	-	2·7	0·1
	St. Ives ...								
	Bude... ...	c	cbcb	49	56	-	-	3·1	1·0
	Ilfracombe ...	ocbc	cbcz	47	56	-	-	5·0	0·0
6	Aberystwyth	c	c	46	53	-	-	0·5	0·1
7	Llandudno ...	c	cbc	45	56	0·4	-	1·3	0·0
	Colwyn Bay...	pc	bcc	45	51	0·5	-	0·8	0·0
	Rhyl	c	cbcc	45	52	0·2	-	0·7	0·0
8	Wallasey ...	c	c	44	52	2	-	0·2	0·0
	Southport ...	cvc	cz	40	51	1	-	0·2	0·0
	Blackpool ...	c	c	36	50	0·3	-	0·1	0·0
	Morecambe ...	c	c	46	51	-	-	0·4	0·1
9	Ilkley... ...	ocbc	c	42	49	1	-	2·5	0·0
	Harrogate ...	co	co	41	46	3	-	0·0	0·0
10	Berwick-on-T.	oc	bc	43	48	2	-	3·0	0·0
11	Dunbar ...	cm	bc	43	49	-	-	1·3	0·0
12	Troon... ...	oco	coc	45	[illegible]	-	-	0·3	8·9
	Douglas ...	bc	c	44	52	-	-	5·1	8·3

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light variable winds to-day becoming easterly tomorrow; fair to-day, some rain probable tomorrow; temperature low for the time of year.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind variable or easterly light; mainly fair with some bright periods; temperature low for the time of year with ground frost in places at night.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind variable between southeast and north moderate or fresh locally; mainly fair today but some rain tonight and tomorrow; temperature low for the time of year.

GENERAL INFERENCE.

Pressure is almost uniform over the British Isles and the weather today will be generally fair. The advance of a depression from the Atlantic will bring some rain to Ireland later today which will spread to Southern England tomorrow.

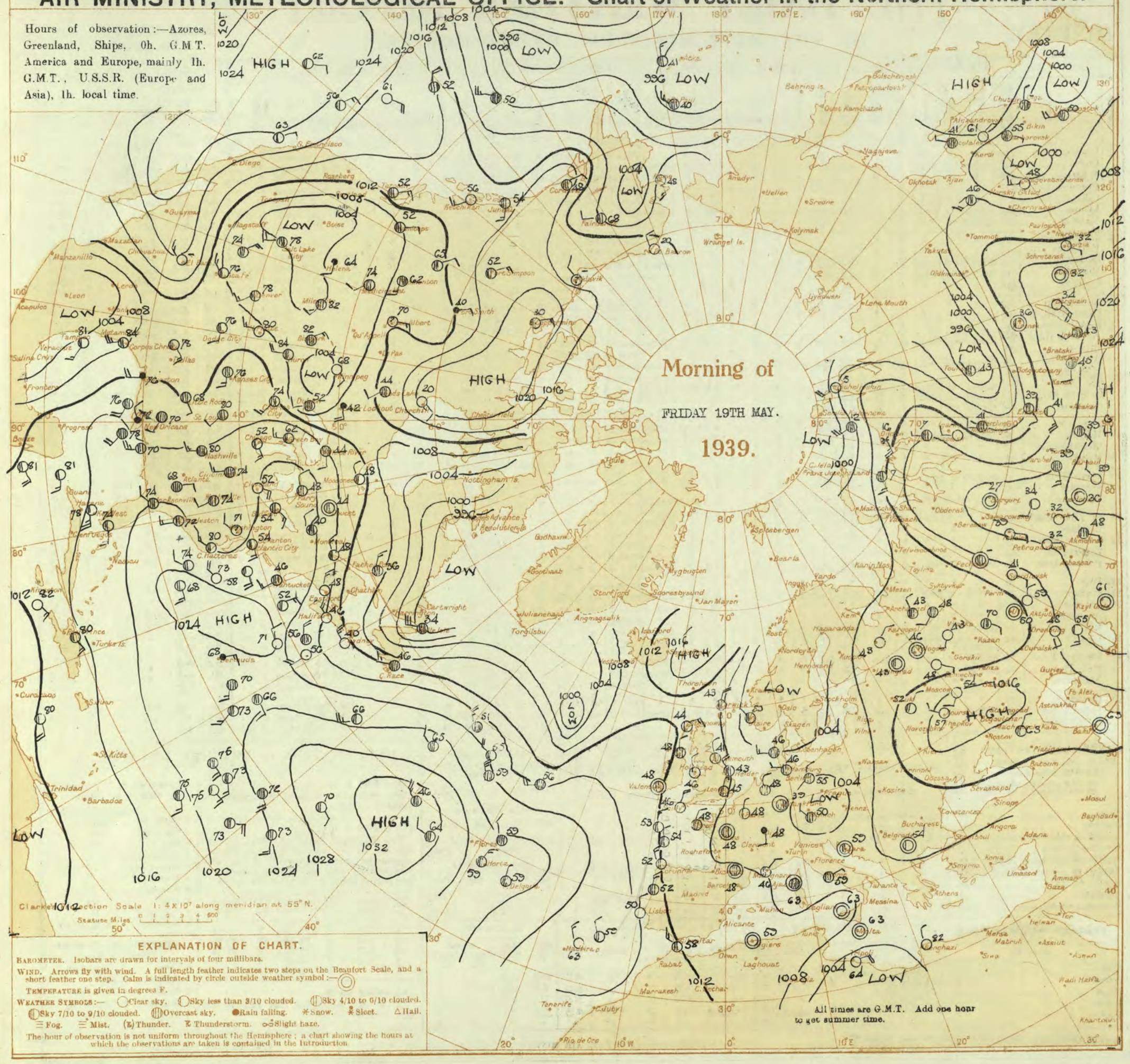
FURTHER OUTLOOK.

Unsettled and rather cold.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 19th May, 1939.
No. 28502

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1010·0	+2	N'E	1	c	45	92	6	5	3	-	7-8	10	5700
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1009·3	-2	NNE	3	c	46	85	6	5	-	-	9	9	1500
	Manston	154	1008·9	-2	N'E	2	c	45	85	6	5	-	-	7-8	7-8	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1009·0	+4	NNW	2	c	47	85	7	8	-	-	7-8	7-8	2500
	Mildenhall	19	1009·9	+4	NNW	1	c	44	85	7	5	-	-	9	9	4000
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1009·7	+2	NNE	2	c	49	92	8	5	6	-	7-8	9	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1008·8	+10	NE	3	o	50	85	7	5	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1010·0	+4	N	3	bc	47	92	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1010·9	+4	NNE	4	b	46	92	8	-	-	-	0	0	-
	Guernsey	175	1008·2	+6	N	1	b	48	97	6	-	-	-	0	0	-
6	Pembroke	142	1010·4	+2	NE	4	c	47	85	7	5	2	-	4-6	7-8	2500
7	Holyhead	26	1010·6	-2	NNW	2	b	46	85	8	5	-	-	Tr	Tr	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1009·9	0	NNW	4	bc	43	85	7	3	8	-	4-6	4-6	1500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1010·7	+4	NNW	2	bc	41	75	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	1011·1	-4	WNW	1	bc	43	75	8	7	4	-	2-3	4-6	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1011·2	0	NW	2	c	48	92	8	5	3	-	4-6	9	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1011·9	-8	ENE	3	bc	44	75	8	5	5	-	2-3	4-6	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010·9	-4	N	3	c	43	85	8	5	7	-	7-8	9	1500
16	Lerwick	156	1009·5	-6	NNE	4	c	43	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1012·7	-8	W	1	bc	45	92	8	4	-	-	4-6	4-6	1500
18	Malin Head	84	1011·5	-4	N	2	c	48	85	7	8	-	-	7-8	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012·5	0	-	0	bc	48	92	8	8	-	-	2-3	2-3	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th May — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temp. Max. Day 7h–18h °F. (31)	Temp. Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 18th Hrs. (36)
London (Kew)	1010·3	+4	NNE	3	zo	46	75	6	5	-	1	4-6	4-6	2500	1	*	56	45	42	Tr	-	0·0
Croydon	1010·2	+4	NNE	3	bc	46	75	7	3	-	5	4-6	4-6	2500	1	*	55	44	38	0·5	-	0·0
S. Farnborough	1010·3	+6	NE'E	2	bc	47	75	8	1	-	8	2-3	4-6	2500	1	*	57	40	36	-	-	0·6
Boscombe Down	1010·4	+2	NE'N	1	zo	45	92	6	8	3	-	2-3	7-8	2500	1	*	55	38	36	-	-	1·1
Calshot (Sthmtn.)	1010·1	+6	NE'N	1	zo	46	85	6	5	3	6	1	4-6	7200	1	1	58	44	40	1	-	2·0
Lympne	1010·1	+6	N	3	c	45	75	7	8	-	-	9+	9+	2500	0	§1	56	43	41	-	-	8·9
Manston	1009·6	+8	N	4	c	46	75	8	8	-	6	7-8	9+	1500	1	*	54	45	42	-	-	8·0
Shoeburyness	1009·9	+6	N	3	bc	47	75	8	8	7	2	1	4-6	1500	0	*	55	43	41	-	-	2·7
Felixstowe	1009·7	+6	N	3	c	46	75	8	5	3	9	4-6	9	4000	0	1	54	41	35	1	Tr	5·6
Gorleston	1008·8	+6	N	3	bc	48	65	7	2	4	-	2-3	4-6	2500	0	2	52	42	42	-	Tr	5·6
Mildenhall	1010·0	+6	NNW	2	bc	43	92	7	2	3	1	2-3	4-6	4000	1	*	55	38	33	-	Tr	3·8
Cranwell	1010·6	0	NW	3	zo	42	85	5	-	-	-	0	0	-	1	*	50	36	34	-	Tr	0·0
Birmingham	1010·6	0	NNW	2	bc	45	75	6	-	-	6	0	4-6	-	1	*	51	39	(26)	-	Tr	0·5
Upper Heyford	1010·9	+2	NNW	1	m	44	85	4	-	-	-	0	0	-	1	*	56	40	34	-	-	*
Ross-on-Wye	1010·9	0	NE'E	2	zo	48	75	5	1	-	-	Tr	Tr	2500	1	*	55	44	38	-	-	4·0
Hartland Point	1009·4	+2	SE	2	c	49	85	7	5	3	-	4-6	7-8	1500	0	2	54	47	46	-	-	6·6
Bristol	1010·6	+2	NNE	2	zo	46	85	6	5	-	-	9+	9+	5700	1	*	55	44	37	-	-	1·7
Portland Bill	1009·6	+12	NE	3	c	47	85	7	5	4	-	4-6	10	4000	1	3	59	46	*	-	-	*
Plymouth	1009·9	+6	-	0	zo	49	85	5	5	3	-	2-3	4-6	2500	0	0	57	46	42	-	-	0·6
The Lizard	1009·3	0	N	3	bc	47	97	8	4	-	-	2-3	2-3	2500	0	1	56	45	*	Tr	-	3·0
Scilly (St. Mary's)	1010·5	0	N'E	3	b	50	85	8	7	-	-	1	1	4000	0	2	55	46	*	-	-	6·0
Guernsey	1009·0	+10	ENE	2	zo	50	92	5	5	1	8	2-3	9	4000	0	2	55	46	41	-	-	8·5
Pembroke	1010·3	-2	E'N	2	c	49	85	6	5	-	-	9+	9+	2500	1	1	55	44	*	-	-	2·7
Holyhead	1010·4	+2	ENE	1	bc	48	85	7	5	3	-	1	4-6	4000	0	1	53	37	34	-	-	9·1
Chester (Sealand)	1011·0	0	-	0	m/f	43	85	4	5	-	-	9	9	4000	1	*	52	37	31	-	-	0·1
Manchester	1011·3	+2	-	0	cf	41	92	3	5	3	-	4-6	10	4000	1	*	51	34	27	-	-	0·0
Spurn Head	1009·9	0	NNW	4	bc	44	85	7	4	4	-	4-6	4-6	2500	1	3	51	42	*	0·4	Tr	0·4
Catterick	1010·4	0	-	0	c	41	92	7	5	-	-	9+	9+	1500	1	*	48	33	26	0·2	-	0·0
Tynemouth	1010·1	0	NW	3	bc	46	75	7	8	3	1	2-3	4-6	2500	1	2	47	41	35	0·1	-	1·4
St. Abbs Head	1010·4	-4	N	2	c	44	75	8	2	3	1	4-6	7-8	1500	0	2	48	42	*	Tr	-	*
Leuchars	1010·3	-2	-	0	bc	45	92	8	5	7	6	2-3	4-6	1500	1	*	51	35	27	Tr	-	1·1
Renfrew (Abbots I.)	1010·2	-2	E'S	2	zo	47	65	6	5	-	-	9+	9+	5700	0	*	58	45	44	-	-	1·2
Eskdalemuir	1010·0	-2	-	0	c/pr	42	85	8	5	2	-	4-6	9+	1500	1	*	49	41	40	Tr	Tr	0·5
Point of Ayre	1010·4	-2	NNW	1	c	49	85	8	-	3	-	0	9+	-	0	1	52	42	*	-	-	4·1
Tiree	1009·4	-4	N	2	c	48	75	8	5	-	-	7-8	7-8	4000	0	2	52	45	41	-	-	7·4
Stornoway	1011·0	-8	ENE	3	c	46	75	9	5	5	9	2-3	7-8	4000	1	1	49	41	*	-	-	2·9
Dalwhinnie	1011·5	-6	-	0	c	41	75	8	4	6	-	7-8	9+	2500	0	*	49	29	22	-	-	1·2
Aberdeen	1009·8	0	NNW	2	b	45	85	8	8	-	8	1	1	1500	0	1	52	38	37	Tr	Tr	4·9
Wick	1010·0	-2	N	3	bc	45	75	8	8	7	1	4-6	4-6	1500	1	2	48	37	*	Tr	0·6	*
Lerwick	1007·9	-10	N'E	4	c	46	75	8	8	3	-	4-6	7-8	1500	0	*	50	39	*	Tr	Tr	10·8
Blacksod Point	1011·2	-2	W	1	c	48	92	8	5	-	-	7-8	7-8	1500	1	2	55	44	*	0·2	1	*
Malin Head	1010·5	-4	W	1	c	48	75	8	8	-	-	7-8	7-8	5700	0	1	51	44	*	-	-	0·2
Aldergrove	1010·5	-2	WNW	1	c	46	75	8	5	-	-	10	10	4000	0	*	53	42	41	Tr	-	0·1
Birr Castle	1011·1	-2	NNW	1	c	46	85	8	5	3	-	4-6	7-8	2500	0	*	55	42	39	-	-	0·0
Valentia Obsy. †	1011·7	-4	-	0	c	48	85	8	5	-	-	9	9	2500	0	1	55	40	33	-	Tr	1·3
Roches Point	1011·0	0	N	2	c	50	92	8	5	-	-	9	9	2500	0	1	55	50	*	-	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	odmywom	omczcz	czoc	56	45	42	Tr	-	0·0	*	*	7
Croydon	217	firopro	roropro m	cmmfbc	55	44	38	0·5	-	0·0	*	*	6
Greenwich (Royal Observatory)	149	c	crrc	c	54	43	40	2	-	0·0	95	59	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	45	43	Trace	-	0·0	81	63	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	56	44	43	-	-	0·0	75	70	*
Camden Square	110	c	c	*	55	44	41	-	-	*	*	61	*
Kensington	80	c	c	*	56	44	41	-	-	0·0	At 18h 79	65	*
Hampstead Observatory	450	o	o	bc	54	41	40	-	-	0·0	*	64	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.
0·6	16-17h 18th	<0·3	2-4h 19th

Kew Observatory Max.	Time.	Min.	Time.
0·6	17h 18th	<0·1	3-4h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 19th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1004·7	N	1	c	61	1007·8	NNE	3	c/r	48	63	48	-	1
Brussels	1005·9	NNW	3	cjp	54	1007·9	NNE	2	c	50	64	45	0·1	-
Berlin	1004·1	NW	1	c	64	1004·3	NW	2	zo	55	70	52	-	0·1
Zürich	1005·4	WNW	1	o	55	1007·4	SSE	3	c/r	43	59	41	-	5
Rome	1007·6	SE	2	c	64	*	*	*	r	*	*	*	-	2

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 20th May, 1939.
No. 28303

OBSERVATIONS at 13h. G.M.T. 19th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	°Humid. (7)	Visibility 0–9 (8)	Cloud. Form Low (9)	Form Med. (10)	Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1010·9	-4	NE	2	z₀	53	45	6	7	-	2	4-6	7-8	4000
	Croydon	1010·9	+2	NEE	2	c	53	65	6	4	-	1	4-6	9+	4000
	S. Farnborough	1010·7	-2	E	2	c	53	55	7	1	-	8	4-6	7-8	4000
	Boscombe Down	1010·6	-4	NE	1	z₀	54	55	7	1	-	8	4-6	7-8	4000
	Calshot (Soton.)	1011·0	0	SE	2	c	55	65	7	7	-	6	9	9+	2500
	Lympne	1011·2	+2	NNE	2	c	49	55	8	5	-	-	9	9	2500
	Manston	1010·7	+2	N	2	c	50	55	8	1	-	6	2-3	7-8	4000
2	Shoeburyness	1010·9	0	N'E	2	c	51	55	9	8	6	2	7-8	9	2500
	Felixstowe	1011·0	+4	SE	3	bc	51	65	9	7	3	-	4-6	4-6	2500
	Gorleston	1010·3	+4	NNE	3	bc	52	55	7	7	4	-	2-3	4-6	2500
	Mildenhall	1010·6	+2	E	2	bc	52	65	8	8	-	1	4-6	4-6	4000
	Cranwell	1011·2	0	-	0	c	51	55	7	4	-	-	9+	9+	4000
3	Birmingham	1010·9	-4	N	1	c	52	55	6	8	-	-	7-8	7-8	2500
	Upper Heyford	1011·3	-2	NE	2	c	53	55	7	7	-	-	7-8	7-8	2500
4	Ross-on-Wye	1010·8	0	SE	2	c	55	45	6	5	-	-	9+	9+	4000
5	Hartland Point	1010·4	+2	NE	3	c	52	85	7	5	2	-	4-6	10	1500
	Bristol	1011·2	+2	ENE	2	bc	57	45	8	7	-	1	4-6	4-6	4000
	Portland Bill	1011·0	+10	ESE	2	c	52	85	7	5	4	-	4-6	10	2500
	Plymouth	1010·7	+2	SSE	2	c	51	85	7	5	-	-	10	10	4000
	The Lizard	1010·8	+2	W'S	2	bc	58	65	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1011·4	+2	NNW	2	bc	55	85	8	7	3	-	1	4-6	4000
	Guernsey	1010·5	+4	ENE	2	c	52	85	6	8	-	-	10	10	1500
6	Pembroke	1010·9	0	S	2	c	51	85	5	5	1	-	7-8	9+	1500
7	Holyhead	1010·2	-2	WNW	3	c	54	65	7	8	-	-	7-8	7-8	4000
	Chester (Sealand)	1010·6	-6	-	0	c	58	45	7	7	3	-	9	9+	2500
8	Manchester	1010·5	-2	W	2	z₀	55	55	6	1	3	1	1	7-8	5700
10	Spurn Head	1010·8	0	E	2	c	52	65	6	5	8	-	4-6	7-8	1500
	Catterick	1009·8	-12	SE	1	c	54	65	7	5	3	-	4-6	9	2500
	Tynemouth	1010·2	0	ENE	3	bc	50	75	8	2	3	-	4-6	4-6	2500
11	St. Abbs Head	1010·3	0	ESE	2	bc	49	55	9	7	4	1	2-3	4-6	2500
	Leuchars	1008·9	-4	S	2	c	53	55	8	7	7	6	4-6	7-8	2500
12	Renfrew (Abbotsl.)	1009·8	-2	SW	2	c,p	54	65	8	7	7	-	7-8	9+	4000
	Eskdalemuir	1009·1	0	SW	3	c	49	65	8	5	-	-	10	10	2500
	Point of Ayre	1010·6	0	ESE	1	c	51	85	8	8	1	-	4-6	10	4000
13A	Tiree	1009·3	0	SSE	1	c	49	75	8	7	-	-	7-8	7-8	2500
13B	Stornoway	1010·7	0	NNE	4	c	50	55	9	5	-	9	4-6	7-8	4000
15	Dalwhinnie	1008·8	-10	S	1	c	53	55	8	4	6	-	4-6	9+	2500
	Aberdeen	1009·4	0	N'W	3	c	52	45	8	8	-	-	7-8	7-8	2500
	Wick	1009·2	-2	NNE	4	c/pr	47	75	8	8	7	1	4-6	7-8	1500
16	Lerwick	1007·0	-6	N'E	4	c	50	55	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1010·8	-2	W	2	bc	52	75	9	3	-	-	4-6	4-6	800
18	Malin Head	1010·3	0	N	1	c	49	75	8	2	8	-	2-3	7-8	5700
	Aldergrove	1009·9	0	W	1	c	53	65	9	7	-	-	10	10	2500
19	Birr Castle	1011·0	-2	NNW	1	c	52	75	8	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1011·1	-6	NW	3	c	54	65	9	8	-	-	9	9	5700
	Roches Point	1011·3	+2	SSE	3	c	53	85	9	8	1	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 19th May

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	°Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1011·2	+6	N'E	2	c	55	45	7	7	-	4	4-6	7-8	4000	1	*
	Croydon	1010·9	-2	E'S	2	z₀	52	75	6	4	-	-	7-8	7-8	4000	1	*
	S. Farnborough	1010·7	+2	NE	2	z₀	55	55	6	4	-	1	4-6	7-8	4000	1	*
	Boscombe Down	1010·8	+6	NE	1	c	54	55	8	7	3	8	4-6	9	2500	0	*
	Calshot (Soton.)	1011·0	+2	SW	3	bc	52	65	7	5	3	1	4-6	4-6	4000	0	§1
	Lympne	1011·6	+4	SE'E	1	bc	50	55	8	5	-	1	4-6	4-6	4000	0	
	Manston	1011·4	+4	E'S	1	bc	49	65	8	1	-	2	Tr	2-3	4000	0	*
2	Shoeburyness	1011·1	0	S	2	bc	51	65	8	8	8	8	2-3	4-6	2500	0	*
	Felixstowe	1011·3	+2	SE	3	b	51	65	9	8	-	1	1	1	4000	0	2
	Gorleston	1010·8	+4	NNE	2	bc	51	65	7	7	-	-	2-3	2-3	2500	0	2
	Mildenhall	1010·6	+2	ENE	2	bc	53	65	8	5	-	1	Tr	2-3	4000	0	*
	Cranwell	1010·7	+4	-	0	z₀	52	55	6	-	3	-	0	7-8	-	0	*
3	Birmingham	1010·7	0	SE	2	c	52	65	6	-	3	-	0	9	-	1	*
	Upper Heyford	1011·3	+4	E	1	c	53	55	7	5	3	8	4-6	9	4000	1	*
4	Ross-on-Wye	1010·7	0	S	2	c	55	55	7	5	-	-	10	10	4000	1	*
5	Hartland Point	1010·4	0	SW	3	c	51	85	7	5	-	-	9	9	2500	0	1*
	Bristol	1010·7	0	E	1	c	55	55	8	7	7	-	7-8	9+	4000	0	
	Portland Bill	1011·0	+8	SSW	2	c	51	85	7	5	-	-	10	10	2500	1	3
	Plymouth	1010·7	0	SSW	3	z₀	52	85	6	5	-	-	2-3	2-3	4000	0	1
	The Lizard	1010·6	0	W	3	bc	54	85	8	8	-	-	2-3	2-3	2500	0	1
	Scilly (St. Mary's)	1011·2	0	N'W	2	bc	55	85	8	2	6	-	2-3	2-3	2500	0	1
	Guernsey	1010·3	+2	NE	2	bc	52	85	6	-	3	-	0	4-6	-	0	1
6	Pembroke	1010·8	-4	N'W	2	z₀	54	65	6	5	-	-	Tr	Tr	4000	0	1
7	Holyhead	1010·1	0	-	0	c	50	85	8	5	-	-	10	10	4000	0	0*
	Chester (Sealand)	1010·6	+2	WNW	2	z₀	52	65	6	5	-	-	10	10	2500	1	*
8	Manchester	1010·3	+4	W'N	1	c	54	65	7	5	-	-	10	10	4000	1	
10	Spurn Head	1010·8	0	SE	2	c	48	75	6	5	-	-	9+	9+	2500	0	1
	Catterick	1009·7	0	SE	1	z₀	52	75	6	5	-	-	9+	9+	4000	1	*
	Tynemouth	1010·3	+2	SE	2	c	47	85	7	5	-	-	9	9	1500	1	2
11	St. Abbs Head	1009·6	-4	SSE	3	c	47	75	8	5	6	-	4-6	9+	1500	0	3
	Leuchars	1008·8	-2	SE	3	c	51	65	8	5	7	7	7-8	9+	1500	0	*
12	Renfrew (Abbotsl.)	1009·2	+2	WNW	2	z₀	52	75	7	7	7	-	7-8	9+	4000	0	*
	Eskdalemuir	1009·1	0	SW	3	c	47	75	7	5	-	-	10	10	2500	1	*
	Point of Ayre	1010·0	0	W'N	2	c	52	85	8	4	2	-	4-6	10	4000	0	1
13A	Tiree	1008·9	0	SW'S	3	c/pr	46	85	8	8	3	-	4-6	7-8	1500	1	2
13B	Stornoway	1010·7	0	NNE	4	c	49	65	9	5	4	-	7-8	9+	4000	0	2
15	Dalwhinnie	1009·8	0	NE	2	c	50	55	8	5	2	-	7-8	10	2500	0	*
	Aberdeen	1009·7	+6	S	2	c	47	75	8	4	-	6	4-6	9	4000	0	1
	Wick	1009·7	+2	NNE	3	c/pr	47	75	8	8	7	1	4-6	7-8	1500	1	1
16	Lerwick	1007·4	+2	NNE	3	c	47	75	8	8	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1010·4	-2	NW	3	c	54	75	9	2	-	4	2-3	7-8	4000	0	2
18	Malin Head	1010·1	0	N	1	c	49	85	8	8	8	-	4-6	7-8	5700	0	1
	Aldergrove	1009·6	-2	-	0	ir₀	52	65	9	5	-	-	10	10	4000	0	*
19	Birr Castle	1010·5	-4	WNW	1	c	52	75	8	5	1	-	7-8	10	1500	0	*
20	Valentia Obsy.†	1011·1	0	NW	3	c	52	75	9	5	-	-	9+	9+	4000	0	1
	Roches Point	1010·8	-4	WSW	3	c	54	85	8	8	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 19th (37)	Weather. 13h.–18h. 19th (38)	Weather. 18h. 19th–1h. 20th (39)	Weather. 1h.–7h. 20th (40)
1	London (Kew)	bczcycyz₀	cyz₀cy	cybcbw	bbm₀w
	Croydon	bccz	cz₀	cbcbzm₀w	bcm₀w
	S. Farnborough	bccbcy	bccbcy	bcbm₀	bbmjfbw
	Boscombe Down	cz₀	cmc	cm₀	cm₀cmo
	Calshot (Soton.)	cbcc	cbcy	bcybw	bwbcm₀
	Lympne	ccy	cbcy ⊕	bcybw	bbcwc
	Manston	cbcy	bcybc	bcb	b,ccm₀
2	Shoeburyness	bccvcy	cybc	bcw	bcwbz₀
	Felixstowe	ccybc	bccyb	bbcb	bwbm₀
	Gorleston	bcy	bcy	bcb	bbcc
	Mildenhall	bccbc	bcbbcy	bcbw	bbccm₀
	Cranwell	bcycy	cy	cyz₀	cz₀
3	Birmingham	bcc	c	c	co
	Upper Heyford	bwcy	cy	ccm₀	cmow
4	Ross-on-Wye	bzbcc	cy	c	cm₀om₀
5	Hartland Point	cbcc	c	c	c
	Bristol	cmbcy	bcycy	cycm₀	cmow
	Portland Bill	c	c	c	co
	Plymouth	bccmgic	cbcm₀	bccom₀	cirprm₀
	The Lizard	bc	bc	bcw	bc
	Scilly (St. Mary's)	bccbc	bc	bccw	c
	Guernsey	c	cbc	bcb	bbcc
6	Pembroke	cm	cz₀b	c	c
7	Holyhead	bc	bcc	c	c
	Chester (Sealand)	cmmzy	z₀cyz₀	cz₀m₀w	cm₀wr₀
8	Manchester	cfzz₀	cz₀yc	ccm₀	crm
10	Spurn Head	c	c	ir₀	omir₀
	Catterick	cbcc	ccz₀	cmr₀cm₀	cm₀
	Tynemouth	bcc	bcc	co	ocp₀m
11	St. Abbs Head	bcy	c	crrc	c
	Leuchars	cybcy	bcyc	circ	irr₀d₀m₀
12	Renfrew (Abbotsl.)	czc	zycm	cm₀c	cbcwcpr₀
	Eskdalemuir		circ	c	cpr₀c
	Point of Ayre	c	c	co	cir₀
13A	Tiree	c	cpr₀	cpr	c
13B	Stornoway	cy	c	bcb	bbcb
15	Dalwhinnie	c	c		c
	Aberdeen	bbccpr₀	cybcc	cbcbwz₀	bwbccz₀
	Wick	bcpr₀	cpr	cbc	bc
16	Lerwick	cpry	cpr	cbc	bc
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head	cbcc	cbcc	c	bcc
	Aldergrove	c	cycir₀	ir₀r₀c	c
19	Birr Castle	c	c	c	c
20	Valentia Obsy.†	cv	cvc	cbcw	bcwc
	Roches Point	c	c	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ⚡ gale.
⊕ Solar halo. ☽ lunar halo. ⌓ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

† Sea disturbance reported from Dungeness.

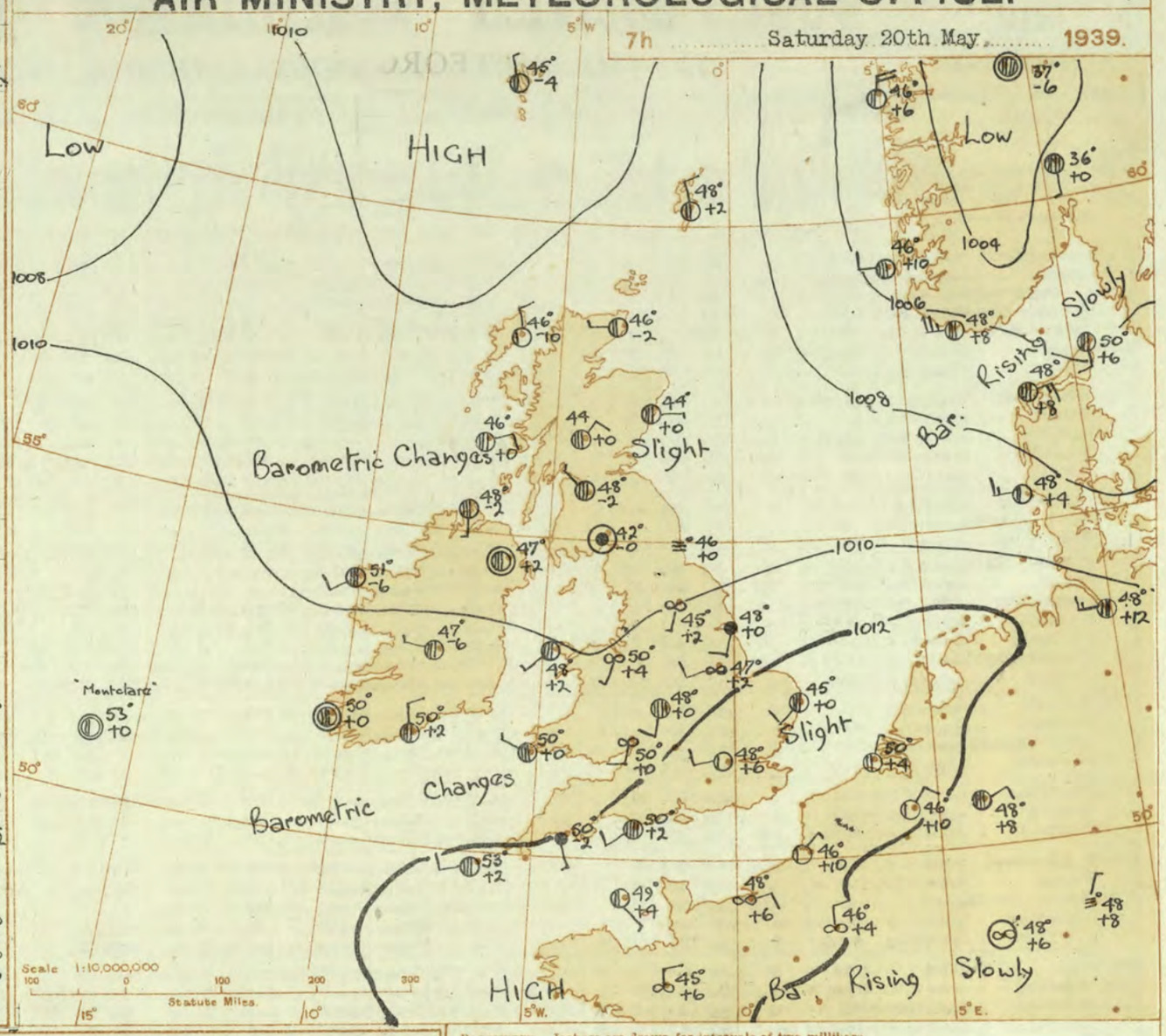
REPORTS from HEALTH RESORTS for 19th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 18th to 9h. 19th	Temperature. (°F) Max. 9h.—17h. 19th	Rainfall. (mm.) Night 17h. 18th to 9h. 19th	Rainfall. (mm.) Day. 9h.—17h. 19th	Sunshine. (Hrs.) Sunrise to 17h. 19th	Sunshine. (Hrs.) Sunrise to Sunset. 18th
1	Tunbridge W.	oc	cbcb	39	56	-	-	4·6	1·2
	Bournemouth	bc	bcbbc	44	57	-	-	7·5	0·2
	Ventnor ...	pobc	bcc	45	60	Trace	-	5·4	4·6
	Southsea ...	cbc	bc	45	56	0·3	-	4·0	2·2
	Bognor Regis	cbcc	bc	43	54	1	-	2·8	1·0
	Littlehampton	bc	bc	42	55	0·1	-	5·6	0·8
	Worthing ...	c	bcb	43	55	-	-	5·0	0·7
	Brighton ...	bc	bc	44	57	0·2	-	7·3	3·2
	Eastbourne† ...	c	cbc	45	54	7	-	2·9	4·6
	Hastings† ...	cbcc	ocbc	43	56	-	-	2·5	2·7
	Folkestone ...	vc	cbc	43	54	-	-	2·9	3·7
	Dover ...	c	cbc	45	54	-	-	2·4	3·0
	Deal	ccbcb	bcb	44	55	-	-	7·8	5·4
	Ramsgate ...	bc	bc	45	51	-	-	8·4	5·3
	Margate ...	bc	bc	45	51	-	-	9·8	7·6
2	Southend ...	c	cbc	43	56	-	-	4·3	0·3
	Clacton-on-Sea	bcc	cbc	41	51	-	-	3·2	5·2
	Dovercourt ...	bc	bcc	42	54	-	-	5·0	5·7
	Lowestoft ...	bbcb	bbc	41	55	-	-	10·1	6·3
	Skegness ...	bcocb	bbc	39	52	Trace	-	10·1	0·7
	Mablethorpe...	bbc	bcb	38	52	-	-	10·7	1·1
	Cleethorpes ...	bcv	bcv	39	52	-	-	6·1	0·0
3	Leamington S.	bc	bc	39	55	-	-	7·7	0·0
4	Cheltenham†	bybc	bccz	43	59	-	-	7·2	3·1
5	Bath	bcb	bbc	45	59	-	-	8·7	2·1
	Weymouth ...	bcc	bc	46	56	-	-	6·2	4·5
	Jersey ...	cbc	bcz	48	58	-	-	4·7	9·0
	Torquay ...	czc	cbcc	47	54	-	-	2·9	7·0
	Falmouth ...	c	c	46	58	-	-	5·5	1·9
	Penzance ...	bbc	bcb	45	60	-	-	10·7	3·7
	St. Ives ...								
	Bude... ...	bcco	oro	46	57	-	0·6	2·6	4·6
	Ilfracombe ...	bcco	coc	48	58	-	-	0·0	5·7
6	Aberystwyth	zc	cz	47	56	-	-	0·3	0·5
7	Llandudno ...	cbc	c	40	57	-	-	1·5	1·3
	Colwyn Bay...	coc	c	40	54	-	-	0·1	0·8
	Rhyl	cmo	c	39	56	-	-	0·3	0·7
8	Wallasey ...	c	c	42	55	-	-	0·1	0·2
	Southport ...	oczy	bczyc	39	58	-	-	1·5	0·2
	Blackpool ...	cmc	cbct	40	56	-	-	2·5	0·1
	Morecambe ...	cbc	bcc	47	56	-	-	4·6	0·4
9	Ilkley... ...	c	c	34	55	-	-	0·3	2·5
	Harrogate ...	cbc	c	35	54	-	-	0·7	0·0
10	Berwick-on-T.	bc	bcc	37	49	-	-	10·1	4·6
11	Dunbar ...	bc	cm	39	52	-	-	7·7	3·0
12	Troon... ...	bcbbc	bcoc	44	51	-	-	4·8	0·3
	Douglas ...	c	c	44	52	-	-	0·1	6·3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday 20th May 1939.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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. 20th May, 1939.
1 S.E. England	All Districts.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Wind light variable; mainly fair but some slight local rain or showers; temperature low for the time of year.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotld. B. N.W. Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

GENERAL INFERENCE.

Pressure is almost uniform over the British Isles. The weather will remain cool for the time of year and mainly fair though with slight local rain or showers.

FURTHER OUTLOOK.

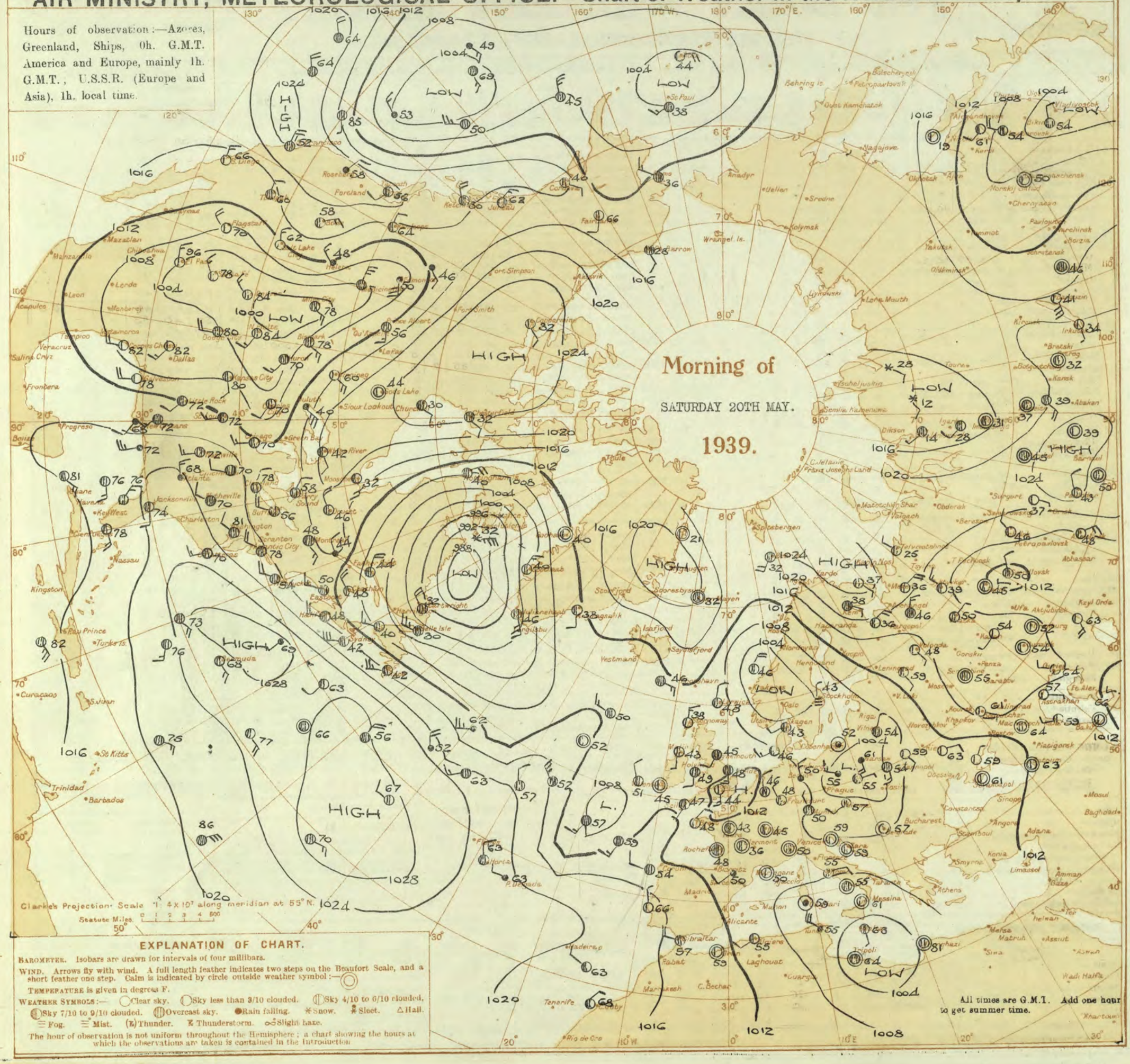
Temperature rising slowly.

Forecasts issued at 0920 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

HMSO Press, Cornwall House, S.E.1.
G.466/3684.W.8102.D.4628 Gp 948.35840.5/39

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



Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 20th May. 1939.

No. 28303

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1012.5	+6	S'E	3	b	44	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1013.6	+6	NNW	1	b	39	85	8	-	-	-	0	0	-
	Manston	154	1013.2	+10	W'S	1	bc	39	85	7	-	-	5	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1012.9	+2	SW	2	b	43	75	7	-	-	-	0	0	-
	Mildenhall	19	1012.1	+4	SSE	2	b	39	92	7	-	-	-	0	0	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011.2	0	SW	2	c	50	85	8	5	-	-	9	9	2500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1011.8	+6	SW	2	c	50	92	7	5	-	-	10	10	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1011.8	+10	-	0	bc	47	92	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1012.1	+2	SW	1	c	47	97	8	5	5	-	4-6	9+	2500
	Guernsey	175	1012.1	+4	N	1	b	49	86	6	-	-	-	0	0	-
6	Pembroke	142	1011.4	+6	E	1	c	49	65	8	5	-	-	9+	9+	2500
7	Holyhead	26	1010.2	0	S	2	c	49	85	7	5	-	-	10	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1010.9	0	S	3	0	48	85	7	5	-	-	10	10	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1010.3	0	SW	2	0	45	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1009.7	+2	SSE	2	d/r	44	97	8	3	2	-	7-8	10	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1010.2	0	-	0	0	47	97	8	5	-	-	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1010.9	0	N	3	b	38	85	8	5	-	-	Tr	Tr	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1010.0	+2	W	1	bc	34	92	8	5	4	-	2-3	4-6	1500
16	Lerwick	156	1009.0	+10	N	2	bc	43	85	8	5	-	-	4-6	4-6	2500
17	Blacksod Point	18	1010.5	0	W	1	bc	45	92	8	4	-	-	2-3	2-3	2500
18	Malin Head	84	1010.2	+2	S	1	bcp	43	92	8	5	8	-	2-3	4-6	5700
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011.5	0	-	0	b	45	97	8	5	-	-	1	1	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 20th May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temp. Max. Day 7h–18h °F. (31)	Temp. Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 19th Hrs. (36)
London (Kew)	1012.9	+4	SW	2	z	47	92	6	-	-	-	0	0	-	1	*	57	41	33	-	-	8.7
Croydon	1012.9	+6	W'S	2	b	48	85	6	-	-	9	0	Tr	-	1	*	55	42	38	-	-	6.3
S. Farnborough	1012.7	+2	-	0	z	45	97	6	-	-	-	0	0	-	1	*	58	35	30	-	-	7.3
Boscombe Down	1012.7	+2	S	1	z	47	97	5	5	-	-	10	10	800	0	*	57	44	43	-	-	7.2
Calshot (Sthmtn.)	1012.7	+2	SW'W	1	z	51	85	6	-	4	9	0	1	-	0	1	58	45	41	-	-	5.9
Lympne	1013.6	+2	NNW	1	c	47	75	8	-	-	6	0	9	-	0	§0	52	38	29	-	-	3.5
Manston	1013.1	+4	W	1	c	48	75	6	-	-	6	0	9	-	0	*	51	37	29	-	-	10.6
Shoeburyness	1012.9	+4	WSW	2	b	50	75	6	-	-	-	0	0	-	1	*	54	43	34	-	-	7.2
Felixstowe	1012.9	+2	W	1	z	48	75	6	-	4	-	0	Tr	-	0	1	53	42	33	-	-	6.1
Gorleston	1012.5	0	SW'S	2	c	45	85	6	5	-	-	10	10	2500	0	2	53	42	40	-	-	12.5
Mildenhall	1012.2	+4	S'W	1	z	47	85	6	5	-	-	10	10	7200	1	*	56	37	33	-	Tr	9.4
Cranwell	1010.9	+2	WSW	2	z	47	75	6	5	-	-	10	10	4000	1	*	57	45	44	-	-	7.5
Birmingham	1011.3	0	SSW	2	c	48	75	6	6	2	-	4-6	10	1500	1	*	54	47	46	-	-	6.0
Upper Heyford	1012.4	+4	SSW	1	z	45	85	6	5	-	-	9+	9+	5700	1	*	56	43	33	-	-	*
Ross-on-Wye	1011.5	0	S'W	2	z	50	85	5	5	-	-	10	10	800	1	*	57	48	45	-	-	6.3
Hartland Point	1011.2	+2	NNW	2	c	49	92	7	5	-	-	9+	9+	2500	0	2	53	48	45	-	-	2.8
Bristol	1011.4	-4	-	0	c	49	85	7	5	7	-	4-6	9+	4000	0	*	58	48	46	-	-	4.7
Portland Bill	1012.1	+2	SW	2	0	50	85	7	5	-	-	10	10	2500	1	3	54	46	*	-	-	*
Plymouth	1011.8	-2	SSE	1	pr	50	97	6	9	-	-	10	10	450	1	1	54	47	46	Tr	Tr	1.7
The Lizard	1011.8	0	W'N	2	bc	51	85	8	8	6	-	4-6	4-6	2500	0	1	58	46	*	-	-	10.6
Scilly (St. Mary's)	1012.0	+2	WSW	2	c	53	92	8	8	5	-	2-3	9+	2500	0	1	59	46	*	-	-	13.5
Guernsey	1012.5	+4	SSE	1	bc	49	75	7	5	1	8	2-3	4-6	4000	0	2	55	45	41	-	-	3.6
Pembroke	1011.4	0	NW'W	1	c	50	85	7	5	-	-	9+	9+	2500	0	0	59	47	*	-	-	4.0
Holyhead	1010.1	+2	SW	1	c	50	85	7	7	7	-	7-8	10	2500	0	0	55	49	47	-	-	7.6
Chester (Sealand)	1010.9	+4	SSW	1	z	50	75	6	5	-	-	10	10	4000	1	*	59	47	44	-	Tr	1.0
Manchester	1010.7	+6	S	1	m/r	47	85	4	5	7	-	7-8	10	2500	1	*	57	45	43	-	Tr	0.6
Spurn Head	1010.5	0	SSW	2	ro	48	85	6	5	-	-	10	10	2500	1	1	54	47	*	-	Tr	9.3
Catterick	1010.0	+2	S'W	1	z	45	97	5	5	-	-	9+	9+	4000	1	*	54	43	42	-	Tr	2.7
Tynemouth	1009.8	0	SW	2	m	46	85	4	5	-	-	9+	9+	1500	1	1	50	45	43	-	0.1	5.4
St. Abbs Head	1009.4	-4	-	0	c	47	85	9	5	3	-	4-6	7-8	2500	0	2	53	43	*	-	1	*
Leuchars	1008.8	+2	-	0	dodo	47	97	5	5	-	-	10	10	450	1	*	55	45	45	-	1	6.4
Renfrew (Abbots I.)	1009.7	-2	NW	1	c	48	75	9	7	7	-	4.6	9	2500	0	*	54	38	31	-	Tr	0.0
Eskdalemuir	1009.4	0	-	0	pr	42	97	7	5	-	-	10	10	1500	1	*	51	39	38	Tr	0.4	0.7
Point of Ayre	1009.3	-2	W'S	2	ro	49	92	7	8	1	-	4-6	9+	2500	1	1	52	46	*	-	0.2	0.1
Tiree	1008.3	0	ENE	2	c	46	85	8	8	7	-	4-6	7-8	1500	0	2	52	43	41	Tr	1	1.4
Stornoway	1009.9	-10	NNW	2	b	46	65	9	1	4	-	Tr	1	4000	0	1	50	35	*	-	-	13.2
Dalwhinnie	*	0	NE	2	c	44	75	8	5	2	-	4.6	10	2500	0	*	55	39	39	-	-	3.0
Aberdeen	1009.7	0	E	1	c	44	85	6	-	3	-	0	9	-	0	1	54	32	31	Tr	-	6.7
Wick	1009.1	-2	W	1	bc	46	65	8	7	6	6	2-3	4-6	2500	1	1	50	32	*	1	-	*
Lerwick	1009.5	+2	NNW	2	bc	48	75	8	5	4	-	4.6	4.6	2500	0	*	51	41	*	0.1	-	8.0
Blacksod Point	1009.5	-6	SW	2	c	51	85	8	5	-	-	10	10	2500	0	2	55	48	*	0.2	[illegible] -	*
Malin Head	1009.4	-2	S	1	c	48	75	8	7	-	-	7-8	7-8	5700	0	1	51	42	*	-	-	3.4
Aldergrove	1009.7	+2	-	0	c	47	85	8	8	3	-	9	9	1500	1	*	53	42	37	Tr	0.2	0.3
Birr Castle	1010.5	-2	W'N	1	c	47	97	8	5	1	-	9	10	2500	0	*	54	45	42	-	-	1.1
Valentia Obsy. †	1010.9	0	-	0	c	50	85	8	5	-	1	9	9+	4000	0	1	55	43	36	-	Tr	1.3
Roches Point	1010.5	+2	N'W	2	c	50	97	8	5	-	-	9+	9+	2500	0	1	55	44	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temp. Day Max. °F.	Temp. Night Min. °F.	Temp. 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	bczcycyz	cyzcy	cybbmow	57	41	33	-	-	8.7	*	*	6
Croydon	217	bcz	czcbzmw	bcmow	55	42	38	-	-	6.3	*	*	7
Greenwich (Royal Observatory)	149	cy	cbcy	bwcb	55	40	31	-	-	5.3	48	62	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.5	*	*	*
Westminster (St. James' Park)	27	*	*	*	58	44	39	Trace		6.7	44	68	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	58	44	40	-	-	6.1	41	73	*
Camden Square	110	bc	bc	*	48	45	39	-	-	*	*	69	*
Kensington	80	bc	bc	*	57	43	34	-	-	6.4	At 18h 47	76	*
Hampstead Observatory	450	bc	bc	bc	54	42	37	-	-	7.3		75	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

	Max.	Time.	Min.	Time.
South Kensington	0.3	21-22h 19th	<0.3	3-5h 20th
Kew Observatory	0.2	21-22h 19th	<0.1	16h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 19th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 20th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1009.1	NE	2	c	55	1012.1	N	2	z	46	57	41	-	-
Brussels	1010.0	N	2	o	50	1012.9	NE	2	b	46	52	43	-	-
Berlin	1005.2	NNW	2	ro	66	1010.5	NW	3	c	54	61	50	0.4	0.1
Zurich	1007.6	SE	1	c	55	1009.5	NW	1	c	48	61	46	-	-
Rome											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 21st May, 1939.
No. 28304

OBSERVATIONS at 13h. G.M.T. 20th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0-10 (12)	Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1012.6	0	SWW	2	c	58	55	7	7	-	7	4-6	10	2500
	Croydon	1012.7	-2	SSW	3	c	59	75	7	2	-	-	9	9	4000
	S. Farnborough	1012.4	-2	SSE	3	c	57	55	7	7	-	-	9+	9+	4000
	Boscombe Down	1012.7	-2	WSW	2	zo	57	65	6	8	7	-	7-8	10	2500
	Calshot (Soton.)	1013.4	+6	SSW	4	b	58	55	8	2	3	-	Tr	1	4000
	Lympne ...	1014.1	+6	SSE	2	bc	53	65	8	1	-	8	Tr	2-3	4000
	Manston ...	1013.8	+2	SE	1	b	54	55	7	2	-	-	1	1	2500
2	Shoeburyness ...	1013.3	0	SE'E	3	b	56	65	6	-	-	-	0	0	-
	Felixstowe ...	1013.6	+2	S	4	c	54	75	7	5	-	-	9+	9+	7200
	Gorleston ...	1012.9	+2	S'E	4	c	54	65	6	5	-	-	10	10	2500
	Mildenhall ...	1012.5	+2	SW'W	2	o	56	65	7	5	-	-	10	10	7200
	Cranwell ...	1011.5	-2	S'W	3	zo	57	65	5	5	-	-	10	10	4000
3	Birmingham ...	1012.4	+4	S	2	c·	52	75	6	-	7	-	0	10	-
	Upper Heyford	1012.4	-2	WNW	2	zo	57	65	6	1	3	-	2-3	9+	2500
4	Ross-on-Wye ...	1012.0	+4	W'S	2	zo	55	75	6	5	-	-	9+	9+	2500
5	Hartland Point	1012.3	+4	W	3	c	52	92	7	5	2	-	7-8	9+	2500
	Bristol	1012.8	+2	SSW	2	c	55	75	7	4	7	-	4-6	9+	2500
	Portland Bill ...	1013.0	+8	S	2	c	53	75	7	4	-	-	10	10	4000
	Plymouth ...	1012.6	+2	SW'S	4	zo'	54	85	6	7	-	-	4-6	4-6	2500
	The Lizard ...	1013.0	+10	W'S	2	c	57	75	8	8	2	-	7-8	9+	2500
	Scilly (St. Mary's)	1013.1	+6	WSW	3	pr	*	85	7	9	7	-	4-6	9+	1500
	Guernsey ...	1013.6	+2	S'W	1	bc	53	65	8	1	3	-	1	2-3	2500
6	Pembroke ...	1012.3	+2	SWW	1	c	53	85	7	5	7	-	1	7-8	2500
7	Holyhead ...	1010.9	+4	SW'S	2	c	53	75	8	1	7	8	2-3	10	800
	Chester (Sealand)	1011.5	+6	NNW	2	c/pr	54	75	8	7	2	-	9	10	4000
8	Manchester ...	1011.1	-2	W'S	2	c	56	65	7	8	7	-	4-6	10	2500
10	Spurn Head ...	1010.9	0	SSW	3	c	56	65	6	5	7	-	7-8	10	2500
	Catterick ...	1010.0	+2	WSW	3	c	54	65	7	5	7	-	4-6	10	2500
	Tynemouth ...	1009.8	0	SSE	2	c	50	85	6	8	-	-	9+	9+	1500
11	St. Abbs Head...	1009.3	+4	SSE	2	c/pr	50	85	8	8	6	-	4-6	9+	1500
	Leuchars ...	1009.1	+2	NNE	1	zo	53	75	6	8	7	-	7-8	7-8	1500
12	Renfrew (AbbotsI.)	1009.4	-2	SW	1	c/pr	53	65	8	8	-	-	9+	9+	2500
	Eskdalemuir ...	1009.2	0	S'W	3	c/r	47	85	7	5	2	-	7-8	10	800
	Point of Ayre ...	1010.3	+6	NW	2	bc	58	55	8	1	6	9	Tr	2-3	4000
13A	Tiree	1008.5	0	NW'N	1	bc	51	75	8	7	3	2	4-6	4-6	2500
13B	Stornoway ...	1009.2	-8	SE	2	bc	50	65	9	5	-	6	2-3	2-3	4000
15	Dalwhinnie ...	1008.8	0	NNW	2	c	50	65	8	4	6	-	7-8	10	2500
	Aberdeen ...	1009.8	+2	SE	3	bc	51	65	8	1	7	6	1	2-3	4000
	Wick	1009.1	-2	SE	3	bc	49	65	8	8	6	1	2-3	4-6	2500
16	Lerwick... ...	1008.6	-6	ENE	3	c	47	65	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1010.2	+4	W	3	c	55	85	9	2	-	-	7-8	7-8	2500
18	Malin Head ...	1009.3	+2	NW	1	c⊕	52	75	8	2	-	5	2-3	7-8	5700
	Aldergrove ...	1009.8	0	SSW	3	iro	52	75	9	9	-	-	10	10	1500
19	Birr Castle ...	1010.1	+2	W'N	1	c	56	55	8	8	1	-	4-6	9	1500
20	Valentia Obsy.†	1011.7	+8	W'N	4	c	54	75	9	8	5	1	4-6	7-8	1500
	Roches Point ...	1011.6	+6	W	3	c/pr	53	85	9	3	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 20th May

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud 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)	1013.2	+4	SW'W	2	zo	54	65	6	5	2	-	7-8	10	2500	1	*
Croydon	1013.3	+2	SW'S	3	c	55	85	6	-	7	-	10	10	5700	1	*
S. Farnborough	1013.0	+2	SW'S	2	c	54	65	7	5	3	-	7-8	9	4000	0	*
Boscombe Down	1013.0	+2	SSW	3	zo	54	75	6	5	3	-	7-8	9+	2500	0	*
Calshot (Soton.)	1013.6	+2	SSW	3	bc	55	55	8	5	-	-	2-3	2-3	5700	0	§ 2
Lympne	1014.1	+4	SE	1	bc	53	55	8	-	-	8	0	2-3	-	0	1
Manston	1013.8	+2	SE'E	2	bc	51	55	7	-	-	9	0	2-3	-	0	*
Shoeburyness	1013.5	+2	SE	3	c	54	65	8	5	-	-	7-8	7-8	5700	0	*
Felixstowe	1013.7	+2	S	3	c	52	65	8	-	3	-	0	9	-	0	3
Gorleston	1013.5	+4	S'W	3	c	54	75	6	5	-	-	10	10	2500	0	2
Mildenhall	1012.7	+2	S'E	2	zo	54	75	6	5	-	-	10	10	5700	1	*
Cranwell	1011.8	0	SW'S	2	zo	54	75	5	5	-	-	10	10	4000	1	*
Birmingham	1012.0	+2	SSW	1	c	54	65	6	5	7	-	4-6	10	4000	1	*
Upper Heyford	1012.7	+2	SW	1	zo	55	75	6	5	3	-	2-3	10	2500	1	*
Ross-on-Wye	1012.2	+4	SW	2	o/d	52	85	6	5	-	-	10	10	1500	1	*
Hartland Point	1012.6	+2	W	3	bc	54	75	8	2	3	-	2-3	4-6	1500	1	2*
Bristol	1012.7	0	WNW	2	zo	54	85	6	5	7	-	7-8	10	2500	0	
Portland Bill	1013.1	+4	SSW	2	c	52	85	7	5	4	-	4-6	10	4000	1	2
Plymouth	1013.0	+6	W	3	c	53	75	8	7	7	-	4-6	7-8	2500	0	2
The Lizard	1013.0	0	W'S	2	c	54	75	8	8	6	-	7-8	7-8	2500	0	1
Scilly (St. Mary's)	1013.3	+2	W'S	3	bc	*	85	8	8	3	5	2-3	4-6	1500	0	1
Guernsey	1013.6	0	NW	1	b	54	45	8	-	1	-	0	1	-	0	1
Pembroke	1012.6	+2	W'S	3	bc	53	85	9	5	4	2	2-3	4-6	2500	0	0
Holyhead	1011.0	+2	SSE	3	c	52	85	9	2	3	-	Tr	9+	2500	0	1*
Chester (Sealand)	1011.6	0	-	0	c/pr	53	85	7	5	-	-	7-8	9+	4000	1	*
Manchester	1011.4	+2	S	1	c	5-	65	7	5	3	-	4-6	9	4000	1	
Spurn Head	1011.4	+2	W'S	3	c/pr	52	85	6	5	2	-	4-6	10	1500	1	2*
Catterick	1009.7	-2	SW	4	bc	56	55	8	8	4	9	2-3	4-6	2500	1	
Tynemouth	1009.7	0	SW	1	c	50	85	6	8	-	-	9	9	1500	1	1
St. Abbs Head	1009.3	+4	SSE	2	ir	47	85	7	8	2	-	7-8	10	1500	1	2
Leuchars	1008.7	0	SSE	2	ico	51	75	8	5	7	-	7-8	10	1500	1	*
Renfrew (AbbotsI.)	1009.3	+2	W'S	3	c	55	65	8	7	6	2	2-3	7-8	2500	0	*
Eskdalemuir	1009.0	+2	S'W	4	c/pr	51	75	8	8	7	6	7-8	9	1500	1	*
Point of Ayre	1010.3	0	W	3	c	55	75	8	2	3	-	Tr	7-8	4000	0	2
Tiree	1008.3	0	S'W	2	c	51	75	8	5	7	-	4-6	7-8	2500	0	2
Stornoway	1008.8	0	ESE	2	c	48	75	9	5	1	-	4-6	10	4000	0	1
Dalwhinnie	*	+6	NNW	2	bc	40	92	8	4	6	-	4-6	4-6	2500	0	*
Aberdeen	1009.7	-2	SE	3	c	47	85	6	5	2	-	7-8	10	1500	0	1
Wick	1008.4	-2	ESE	4	c	48	75	8	5	7	8	7-8	9+	2500	0	1
Lerwick	1009.0	+4	WSW	3	bc	49	65	8	8	3	-	4-6	4-6	1500	0	*
Blacksod Point	1010.0	0	W	3	c	54	92	9	2	-	4	4-6	7-8	2500	0	2
Malin Head	1009.3	0	W	2	c	52	75	8	8	-	7	4-6	9	5700	0	1
Aldergrove	1009.7	+6	WNW	1	pr	53	75	8	9	-	-	9+	9+	1500	1	*
Birr Castle	1010.2	+2	W'N	1	c/pr	56	75	8	3	7	1	2-3	9	1500	1	*
Valentia Obsy.†	1012.2	+2	WNW	3	bc	54	75	9	2	5	1	1	4-6	2500	0	1
Roches Point	1011.6	+2	SW	1	rr	56	97	8	6	-	-	7-8	7-8	1500	1	1

PAST 24 HOURS.

Stations	Weather 7h.—13h. 20th (37)	Weather 13h.—18h. 20th (38)	Weather 18h. 20th to 1h. 21st (39)	Weather 1h.—7h. 21st (40)
London (Kew)	bmwbccy	cycz	czo	cmow
Croydon	bmbcyc	ccm	cmo	bcmow
S. Farnborough	bbccy	cyc	cmob	bwcmo
Boscombe Down	omcm	cm	cmo	cmobcmo
Calshot (Soton.)	bczby	bycy	bybmow	bmoofe
Lympne	cbc⊕	bbcbyv	bybcbw	bw
Manston	cmby	bbcy	bc	bcb
Shoeburyness	bz	bzc	cbw	bwzo
Felixstowe	bmc	c	cbc	bcwbmo
Gorleston	c	c	c	c
Mildenhall	cmo	omo	omocmo	cmo
Cranwell	czo	czo	czomo	cmowbcmo
Birmingham	oc	c	cpro	cbc
Upper Heyford	cm	cm	cmoido	cmo
Ross-on-Wye	dmomzo	ccdo	cmo	cbc
Hartland Point	c	cbc	bcr	bc
Bristol	czc	cproz	cporo bc	bccw
Portland Bill	c	c	c	cbc
Plymouth	cprobcmo	b[illegible]cbc	bcprobcb	bwbczjf
The Lizard	cbcc	bcc	cprbc	bc
Scilly (St. Mary's)	cp	cpocbc	bccbw	bcw
Guernsey	bbc	bcb	bw	bwbc
Pembroke	c	cbcv	bccv	bcwv
Holyhead	c	c	cbc	bc
Chester (Sealand)	czpro	cpropr	cpro	c
Manchester	mroprmo	cprc	cprc	cbcw
Spurn Head	omcz	czirо	cmoow	cmpro
Catterick	cmc	cbc	bcybc	bcbcmo
Tynemouth	cmc	croc	cbc	bc
St. Abbs Head	prc	jroc	cbc	bccpr
Leuchars	ddrocm	procir	ciroc	ciroc
Renfrew (AbbotsI.)	cpro	cproc	c	cpropro
Eskdalemuir	ciroc	ciropro	cprc	cproc
Point of Ayre	cbc	bcc	c	c
Tiree	probc	bcc	ciR	c
Stornoway	bbc	bcc	cpr	c
Dalwhinnie	c	c	·	ciro
Aberdeen	czbc	ccz	czo	ccpro
Wick	bc	bcc	rorpr	cdoc
Lerwick	bcc	cbc	bcc	cw
Blacksod Point	c	cbc	proc	proc
Malin Head	cbcc	cbcc	cprocbc	cproc
Aldergrove	cciro	rocyopr	proc	cbcc
Birr Castle	cphrc	cpr	c	c
Valentia Obsy.†	cprocv	cvbcv	bcvbv	irro
Roches Point	cproc	prcrr	crc	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. low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf. fog at a distance, but not at station.
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). gale.
⊕ Solar halo. Lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac. in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

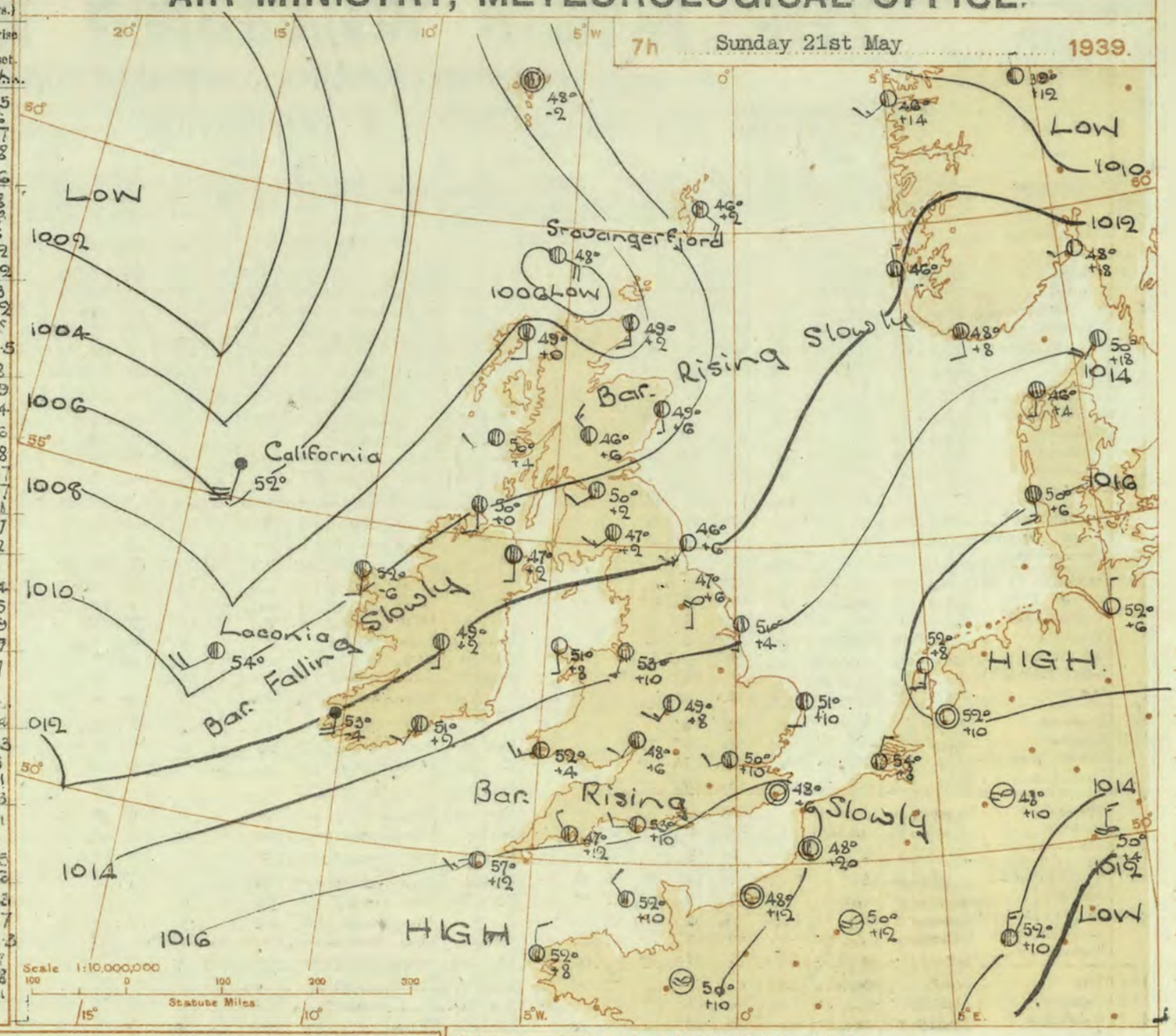
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 20th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 19th to 9h. 20th	Temperature. (°F) Max. 9h.—17h. 20th	Rainfall. (mm.) Night. 17h. 19th to 9h. 20th	Rainfall. (mm.) Day. 9h.—17h. 20th	Sunshine. (Hrs.) Sunrise to 17h. 20th	Sunshine. (Hrs.) Sunrise to Sunset. 19th
1	Tunbridge W.	bc	bccoc	40	60	-	-	6.9	5.5
	Bournemouth	coc	bcobc	47	61	-	-	4.5	7.6
	Ventnor ...	bz	b	44	58	-	-	11.0	5.7
	Southsea ...	b	b	43	59	-	-	11.2	4.8
	Bognor Regis	b	b	42	55	-	-	11.0	3.6
	Littlehampton	b	b	41	55	-	-	11.1	6.8
	Worthing ...	b	b	44	56	-	-	11.4	6.3
	Brighton ...	bcb	b	44	56	-	-	11.0	8.6
	Eastbourne† ...	b	b	42	56	-	-	11.7	4.2
	Hastings† ...	b	b	41	56	-	-	11.6	4.2
	Folkestone ...	b	b	39	57	-	-	10.3	4.3
	Dover ...	bc	bc	38	56	-	-	11.4	4.2
	Deal	bbcb	b	38	57	-	-	11.7	3.5
	Ramsgate ...	bc	bc	42	54	-	-	11.1	10.5
	Margate ...	bc	bc	42	57	-	-	10.5	11.8
2	Southend ...	bzb	bbcc	44	60	-	-	8.3	4.9
	Clacton-on-Sea	bcm	bcc	46	55	-	-	6.4	4.4
	Dovercourt ...	bc	bc	43	56	-	-	4.2	6.6
	Lowestoft ...	c	c	40	55	-	-	0.0	11.8
	Skegness ...	o	o	46	57	-	-	0.0	10.7
	Mablethorpe...	o	o	45	57	-	-	0.0	10.7
	Cleethorpes ...	c	cbccuc	45	60	-	Trace	0.3	6.1
3	Leamington S.	o	o	47	57	-	-	0.0	7.7
4	Cheltenham†	o	oco	48	58	-	-	0.2	7.2
5	Bath	c	c	49	58	-	-	0.2	8.7
	Weymouth ...	c	bcb	49	57	-	-	3.7	6.4
	Jersey ...	b	b	47	60	-	-	11.1	5.5
	Torquay ...	bccz	coc	48	58	-	-	3.1	2.9
	Falmouth ...	c	c	47	58	-	-	1.2	5.7
	Penzance ...	c	cbcc	48	61	-	-	1.9	11.7
	St. Ives ...								
	Bude... ...	bccbc	bccbc	46	56	-	-	7.0	2.[illegible]
	Ilfracombe ...	bcco	cbc	45	58	-	-	3.6	0.4
6	Aberystwyth	c	c	47	56	-	-	0.3	0.3
7	Llandudno ...	c	c	48	56	-	-	0.1	1.5
	Colwyn Bay...	c	cbc	47	57	0.3	-	0.0	0.1
	Rhyl	c	cc	48	57	0.3	Trace	0.0	0.3
8	Wallasey ...	c	c	43	55	Trace	-	0.0	0.1
	Southport ...	pc	c	46	57	1	-	0.2	1.5
	Blackpool ...	c	bbcc	48	56	0.5	-	2.1	2.5
	Morecambe ...	c	bc	47	55	-	-	4.9	4.6
9	Ilkley... ...	o	c	45	58	-	-	0.0	0.3
	Harrogate ...	c	c	45	55	-	-	0.0	0.7
10	Berwick-on-T.	cbcc	ccc	44	53	1	1	1.9	10.3
11	Dunbar ...	bcm	cccc	41	53	-	2	7.2	7.7
12	Troon... ...	cbcb	bcb	44	53	2	-	3.9	4.8
	Douglas ...	bc	bc	46	57	0.3	-	7.9	0.1

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind southwest light or moderate; fair, becoming cloudy; local showers; average temperature.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Wind southwest, light to moderate, freshening; cloudy, local showers, occasional rain later; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Wind southwest, light to moderate; mainly cloudy, some showers; average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotland. B. N.W. Scotland. 14 Mid Scotland	Wind southwest to south, light to moderate, freshening, veering later; cloudy, some showers, period of rain later; average temperature.
15 N. E. Scotland 16 Orkney and Shetland	Wind southeast to south, light to fresh; cloudy, occasional rain later; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind south, moderate, veering later temporarily, then backing and freshening; period of rain to-day, showers later; average temperature.

GENERAL INFERENCE.

A depression south of Iceland and an associated trough of low pressure west of Ireland will move eastward, Weather will be mainly fair in the South and East but elsewhere cloudy conditions with local showers will prevail. A period of rain will spread across western and northern districts later followed by a temporary improvement. Temperature will be about average.

FURTHER OUTLOOK.

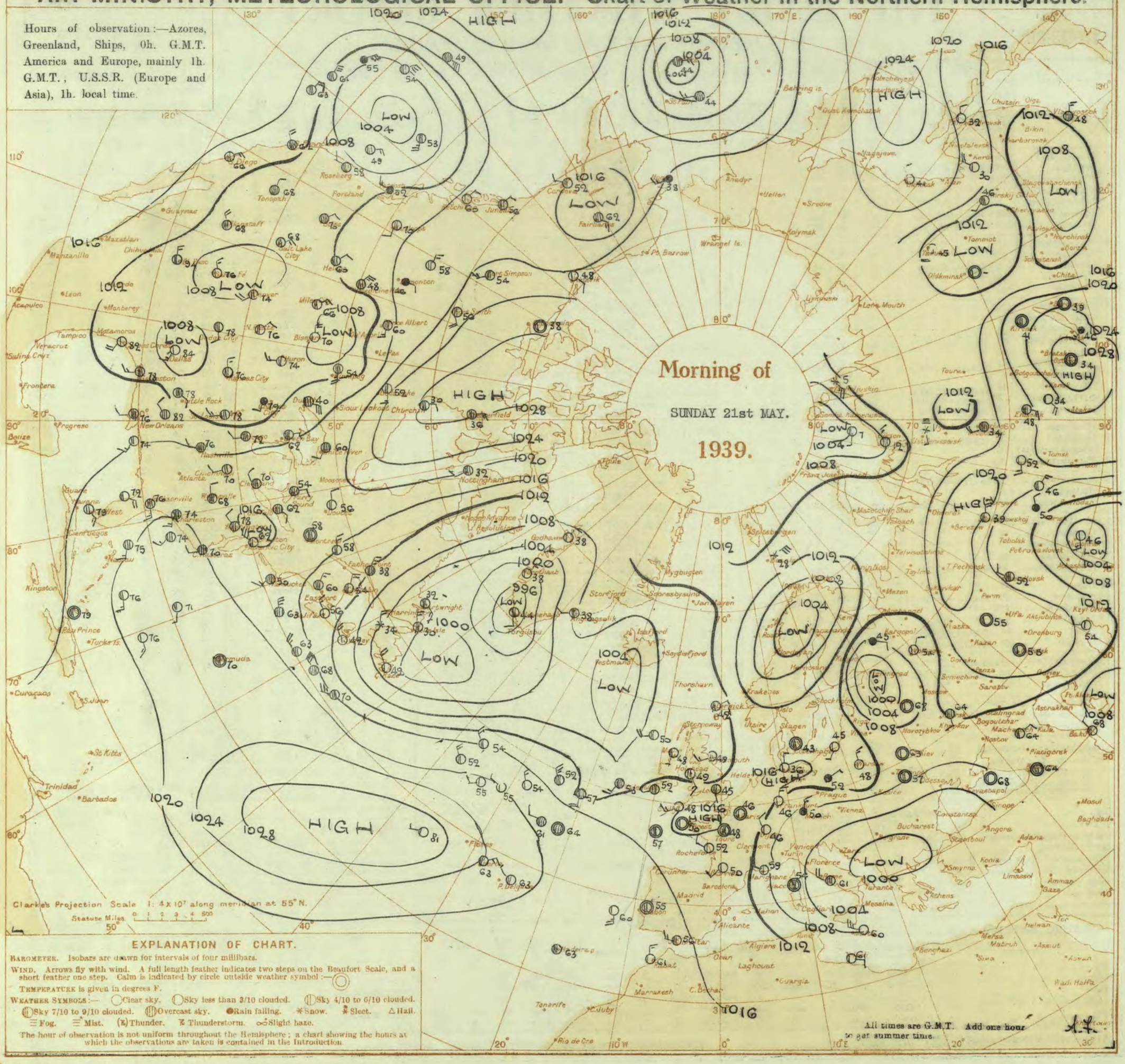
Fair in the Southeast; unsettled elsewhere.

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.
0.466/3884.W.6100.D.4528 Gp.948.35840.5/39

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



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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 21st May, 1939
No. 28304

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1014.6	+2	S	2	zo	45	97	6	–	–	3	0	4-6	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1015.4	+4	SSE	1	b	44	92	7	–	–	1	0	1	–
	Manston	154	1014.9	+2	SSE	1	bc	45	85	8	–	–	6	0	4-6	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1013.9	+2	SSW	3	c	49	75	7	5	–	–	10	10	2500
	Mildenhall	19														
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1013.6	0	W	3	bc	50	97	8	3	–	–	4-6	4-6	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1014.3	+4	NNW	2	c	50	92	7	5	4	–	4-6	7-8	4000
	Plymouth	82														
	The Lizard	240	1014.8	+2	WSW	1	bc	48	97	8	8	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	1014.8	+2	WSW	3	bc	48	97	8	5	4	–	2-3	2-3	1500
	Guernsey	175	1015.2	+4	N	1	b	49	97	6	–	–	–	0	0	–
6	Pembroke	142	1013.0	+2	WSW	3	c	51	97	9	5	–	–	7-8	7-8	2500
7	Holyhead	26	1011.5	+4	SE'S	3	bc	49	92	8	8	4	4	4-6	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1010.1	+4	W'S	2	o	50	85	5	5	–	–	10	10	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1011.0	+4	WSW	3	bc	49	85	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	1010.0	+4	W	3	bc	47	75	7	4	1	–	2-3	4-6	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1011.2	+2	SW	2	c	48	97	8	5	–	–	7-8	7-8	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1009.0	–4	S	3	c/pr	48	75	7	5	7	–	4-6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1007.9	–4	SSE	4	c/pr	47	97	7	5	2	–	7-8	10	1500
16	Lerwick	156	1011.0	0	ENE	1	c	42	92	8	5	3	–	4-6	7-8	1500
17	Blacksod Point	13	1010.2	–2	S	1	c	51	92	8	5	–	–	10	10	800
18	Malin Head	84	1009.9	+2	SSW	1	bc/pr	48	92	7	4	–	–	4-6	4-6	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013.0	0	WSW	1	c	52	85	6	5	–	–	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1015.7	+12	W'S	2	zo	49	85	6	5	–	2	Tr	9	2500	1	*
Croydon	1015.7	+10	WSW	2	c	50	92	7	1	4	1	Tr	7-8	4000	1	*
S. Farnborough	1015.8	+16	WSW	1	zo	45	92	6	5	–	–	9+	9+	7200	0	*
Boscombe Down	1015.7	+8	–	0	zo	49	97	6	2	4	8	2-3	7-8	2500	0	*
Calshot (Sthmtn.)	1015.8	+14	–	0	bc/f	50	92	5	2	–	–	4-6	4-6	1500	1	1
Lympne	1016.2	+6	–	0	b	48	85	7	1	–	1	Tr	Tr	2500	0	0
Manston	1015.9	+6	S	2	b	50	75	7	–	–	–	0	0	–	0	*
Shoeburyness	1015.7	+10	W'S	2	b	51	85	6	–	7	–	0	1	–	0	*
Felixstowe	1015.7	+12	SW	3	zo	51	85	6	–	3	–	0	2-3	–	0	2
Gorleston	1015.0	+10	S	2	c	51	85	7	5	–	–	9+	9+	2500	0	2
Mildenhall	1014.8	+10	SW'S	2	zo	53	85	6	5	–	–	9	9	7200	1	*
Cranwell	1014.1	+10	SW	2	zo	50	85	5	–	7	1	0	4-6	–	1	*
Birmingham	1014.7	+8	SW	3	bc	49	75	8	5	–	8	1	4-6	2500	1	*
Upper Heyford	1015.2	+14	SW	1	zo	49	92	6	5	3	6	2-3	4-6	5700	1	*
Ross-on-Wye	1014.8	+6	SW	2	c	48	85	7	4	–	2	1	7-8	4000	1	*
Hartland Point	1014.7	+12	W	3	bc	49	97	8	3	4	4	4-6	4-6	800	1	2
Bristol	1015.5	+10	W	2	c	51	85	8	8	7	8	4-6	7-8	2500	0	
Portland Bill	1015.8	+10	W	2	bc	53	85	7	1	–	–	4-6	4-6	4000	0	2
Plymouth	1015.9	+12	NW	1	bc/f	47	97	5	7	–	8	2-3	4-6	4000	0	1
The Lizard	1016.2	+10	W'S	2	bc	51	97	8	8	4	–	2-3	2-3	2500	1	2
Scilly (St. Mary's)	1016.0	+12	SW/W	3	bc	*	85	8	8	4	3	2-3	4-6	1500	0	1
Guernsey	1016.5	+10	NW	2	c	52	92	7	1	8	1	1	9	2500	0	2
Pembroke	1014.2	+4	WSW	3	bc	52	85	8	8	4	3	2-3	4-6	2500	0	2
Holyhead	1012.3	+8	SSE	1	bc	51	85	8	7	8	–	2-3	2-3	2500	0	1
Chester (Sealand)	1013.3	+10	SSW	1	c	53	75	9	8	7	1	7-8	9	4000	1	*
Manchester	1013.4	+2	SW	1	bc	51	85	7	–	3	–	0	4-6	–	1	*
Spurn Head	1013.3	+4	SSW	1	c/pr	51	85	5	5	–	–	9+	9+	2500	1	1
Catterick	1012.4	+6	S	1	zo	47	85	6	8	4	8	Tr	7-8	1500	1	*
Tynemouth	1011.6	+6	SW	3	bc	46	85	6	8	3	1	2-3	4-6	2500	1	1
St. Abbs Head	1010.3	+8	SW	3	c	47	85	8	4	2	–	4-6	10	2500	1	2
Leuchars	1009.9	+8	SW	2	c	49	85	7	5	7	–	9	10	1500	1	·
Renfrew (Abbots I.)	1010.6	+2	SW	2	c	50	85	7	8	7	–	7-8	9	1500	1	*
Eskdalemuir	1010.8	+2	SW	3	c	47	92	7	5	–	–	10	10	800	1	*
Point of Ayre	1011.3	+4	WN	3	c	53	92	8	–	3	2	0	7-8	–	0	1
Tiree	1008.7	+4	SW'W	2	c/p	50	85	8	6	–	–	7-8	7-8	1500	0	2
Stornoway	1008.8	0	S	2	"	49	92	8	5	7	7	7-8	10	4000	1	1
Dalwhinnie	*	+6	NW	3	c	46	85	8	5	7	–	7-8	10	2500	1	*
Aberdeen	1009.5	+6	S	1	c/pr	49	75	7	5	7	6	2-3	7-8	4000	1	1
Wick	1007.8	+2	S	3	c	49	85	8	5	7	1	4-6	7-8	1500	1	1
Lerwick	1011.2	+2	SE	3	c	46	85	8	8	7	–	4-6	9	1500	0	*
Blacksod Point	1009.3	–6	S	2	c	52	92	8	5	–	–	10	10	800	1	3
Malin Head	1010.0	0	S	2	c	50	85	8	5	5	–	4-6	7-8	1500	0	1
Aldergrove	1011.1	+2	S	1	c	47	92	8	5	5	–	9+	10	450	1	·
Birr Castle	1011.7	+2	SSW	1	c	49	92	8	5	–	–	9+	9+	2500	1	*
Valentia Obsy. †	1011.9	–4	S	4	rzo	53	92	8	6	–	–	10	10	800	1	2
Roches Point	1013.4	+2	SW	2	c	51	85	8	8	3	–	4-6	7-8	1500	1	2

PAST 24 HOURS.

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)	Night 18h–7h mm. (35)	Sunshine 20th Hrs. (36)
London (Kew)	60	44	34	·	–	5.5
Croydon	61	44	39	+	–	6.7
S. Farnborough	59	41	33	–	–	4.8
Boscombe Down	58	41	35	–	–	0.5
Calshot (Sthmtn.)	60	45	41	–	–	11.5
Lympne	55	43	34	–	–	12.0
Manston	55	43	36	–	–	12.2
Shoeburyness	57	46	34	–	–	8.6
Felixstowe	57	49	47	–	–	4.7
Gorleston	56	48	47	–	–	0.0
Mildenhall	57	49	46	–	–	0.0
Cranwell	57	47	41	–	–	0.0
Birmingham	55	43	39	·	0.1	0.0
Upper Heyford	59	45	*	–	Tr	*
Ross-on-Wye	58	42	33	0.1	–	0.1
Hartland Point	56	49	47	·	0.6	9.1
Bristol	56	47	40	Tr	Tr	0.0
Portland Bill	55	48	*	–	–	*
Plymouth	57	43	42	0.1	Tr	3.2
The Lizard	57	47	*	–	Tr	3.8
Scilly (St. Mary's)	*	46	*	2	–	4.4
Guernsey	57	45	42	–	–	12.5
Pembroke	54	49	*	–	–	2.5
Holyhead	55	47	44	–	–	0.0
Chester (Sealand)	58	47	41	0.5	Tr	0.1
Manchester	56	43	36	0.3	0.3	0.1
Spurn Head	58	48	*	0.2	Tr	0.2
Catterick	59	42	37	–	–	3.2
Tynemouth	51	44	40	2	–	0.7
St. Abbs Head	53	45	*	1	0.5	*
Leuchars	54	41	35	1	0.3	0.7
Renfrew (Abbots I.)	57	47	45	1	2	1.2
Eskdalemuir	53	43	41	0.2	1	0.4
Point of Ayre	59	45	*	–	–	6.9
Tiree	53	45	43	0.1	2	3.6
Stornoway	51	46	*	–	0.4	9.1
Dalwhinnie	52	37	30	–	0.5	0.4
Aberdeen	51	43	42	–	Tr	8.2
Wick	50	44	*	–	0.6	*
Lerwick	51	40	*	–	–	10.7
Blacksod Point	56	49	*	–	0.3	*
Malin Head	56	45	*	–	0.4	3.3
Aldergrove	58	45	40	1	1	3.5
Birr Castle	59	44	35	3	–	2.0
Valentia Obsy. †	56	45	39	Tr	1	7.3
Roches Point	57	45	*	3	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	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	bmwbcy	cyczo	czcmw	60	44	34	–	–	5.5	·	·	8
Croydon	217	bmobcyc	ccmo	cmobczw	61	41	39	–	–	6.7	·	·	7
Greenwich (Royal Observatory)	149	bcy	cy	cb	63	41	37	–	–	7.1	50	61	6
City (Sunhill Row)	—	·	·	·	·	·	·	·	·	6.6	·	·	·
Westminster (St. James' Park)	27	·	·	·	62	47	41	–	–	6.6	91	·	·
Regents Pk. (Botanic Gardens)‡	168	·	·	·						5.9			·
Camden Square	110	o	c	·	63	47	40	–	–	*	·	68	·
Kensington	80	bc	bcco	·	62	46	37	–	–	6.2	At 18h 71	71	·
Hampstead Observatory	450	bc	o	bc	59	44	41	–	–	4.9	·	67	·

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	whole	period	

Kew Observatory: Max.	Time.	Min.	Time.
0.2	20h 20th	<0.1	5-7h 21st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 20th May: Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 21st May: Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours: Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1012.2	NNE	3	c	59	1015.5	–	0	zo	50	61	43	–	–
Brussels	1012.9	NE	2	bc	55	1015.7	E	3	bc	54	63	37	–	–
Berlin						1015.1	ENE	3	bc	55		48		–
Zurich	1009.4	NNW	1	c	52	1009.8	NW	2	rr	48	54	46	4	19
Rome	1001.1	WNW	2	zo	59	1002.0	SW	5	bc	61	*	·	2	4

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.
0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. . Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 22nd May, 1939.
No. 28305

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015·6	-4	W'N	3	c	59	55	8	8	-	-	7-8	7-8	2500
	Croydon	1015·7	0	S	2	c	59	55	8	8	3	-	2-3	9+	4000
	S. Farnborough	1015·7	-2	WNW	2	c	58	55	8	8	-	-	9	9	4000
	Boscombe Down	1015·6	-4	NW	2	c	59	55	8	8	4	8	7-8	9	2500
	Calshot (Soton.)	1016·2	+2	SW'S	3	c	61	55	8	8	-	-	7-8	7-8	4000
	Lympne	1016·4	+2	NE	3	bc	57	65	7	1	-	-	2-3	2-3	4000
	Manston	1015·9	-4	SE'E	1	bc	57	65	7	2	-	-	4-6	4-6	2500
2	Shoeburyness	1015·7	-2	SSE	2	b	60	65	6	1	-	-	1	1	4000
	Felixstowe	1015·7	-2	S	3	b	58	65	7	-	-	-	0	0	-
	Gorleston	1015·2	0	SSE	4	bc	56	75	6	2	1	-	2-3	4-6	2500
	Mildenhall	1015·0	-2	SW	2	c	62	92	8	2	3	-	4-6	9	4000
	Cranwell	1014·2	0	SW	3	c	61	55	8	2	3	-	4-6	9	4000
3	Birmingham	1014·4	-4	SSW	2	bc	58	65	8	2	6	-	4-6	4-6	2500
	Upper Heyford	1015·3	-4	-	0	c	60	55	9	2	3	-	7-8	7-8	2500
4	Ross-on-Wye	1014·9	0	SW	3	c	59	65	8	2	7	1	2-3	9	4000
5	Hartland Point	1016·0	+4	W	4	c	53	92	9	8	6	-	4-6	7-8	1500
	Bristol	1015·7	-2	WNW	2	bc	61	55	8	8	4	8	4-6	4-6	2500
	Portland Bill	1016·3	+8	SW	2	bc	53	85	8	1	-	-	4-6	4-6	4000
	Plymouth	1016·8	+4	SW'S	3	c	59	85	8	7	-	6	4-6	7-8	2500
	The Lizard	1017·3	0	WSW	3	bc	59	75	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1016·4	+2	SW	3	c	*	85	8	2	7	6	1	9+	2500
	Guernsey	1017·4	+4	WSW	3	bc	57	75	7	8	1	-	2-3	4-6	1500
6	Pembroke	1015·8	+6	WSW	3	c	53	85	9	5	1	-	7-8	9+	2500
7	Holyhead	1013·4	0	SSE	4	c/pr	53	75	9	2	1	-	Tr	10	2500
	Chester (Sealand)	1013·9	+6	NNW	2	c/pr	56	75	8	8	2	-	7-8	10	4000
8	Manchester	1013·8	+6	S	4	cjp	55	65	8	2	3	-	9	9+	2500
10	Spurn Head	1014·2	+2	NW	3	c	56	75	6	3	7	-	4-6	10	2500
	Catterick	1012·2	-2	SW'W	4	c	61	45	8	2	4	7	4-6	9	4000
	Tynemouth	1012·4	+6	SE	2	c/pr	50	92	6	8	-	-	9	9	1500
11	St. Abbs Head	1010·7	+6	SSW	3	c/pr	52	75	8	8	7	-	4-6	10	1500
	Leuchars	1009·9	-2	WSW	3	c	60	55	8	8	7	6	4-6	9+	2500
12	Renfrew (Abbotsl.)	1010·8	0	SW	3	c	58	55	8	7	3	2	4-6	7-8	4000
	Eskdalemuir	1011·5	+4	W'N	2	c/pr	50	75	8	8	-	8	9	10	1500
	Point of Ayre	1012·5	+2	W'S	3	c	59	75	8	8	1	-	2-3	9+	2500
13A	Tiree	1009·2	+2	S'W	4	bc	56	85	8	2	6	-	4-6	4-6	2500
13B	Stornoway	1009·4	+6	SSW	4	c/pr	52	65	8	5	7	-	7-8	9+	4000
15	Dalwhinnie	*	0	W	4	c	55	65	8	4	6	1	4-6	9	2500
	Aberdeen	1009·8	+4	S'W	2	c/pr	53	85	6	8	2	6	4-6	9	2500
	Wick	1008·8	+8	NNW	1	c/pr	51	85	8	8	7	5	4-6	9	1500
16	Lerwick	1010·4	0	SE	4	rr	45	92	7	6	2	-	4-6	10	800
17	Blacksod Point	1007·8	-4	SW	3	ir	54	92	7	6	-	-	9+	9+	800
18	Malin Head	1009·9	+2	S'W	2	c	56	75	8	2	5	-	2-3	7-8	5700
	Aldergrove	1011·2	+2	SSW	2	iro	55	75	9	9	2	-	4-6	10	1500
19	Birr Castle	1011·8	0	SSW	1	c	53	85	8	5	-	-	9	9	2500
20	Valentia Obsy.†	1011·7	-2	SW'S	5	iro	65	92	6	5	2	-	9	10	800
	Roches Point	1012·9	-4	SW	3	c/r	55	97	8	6	2	-	7-8	10	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1015·7	+4	WSW	2	c	58	65	7	8	1	-	7-8	9+	4000	0	*
Croydon	1015·9	+2	SW	3	c	58	65	7	4	7	2	2-3	9+	7250	1	*
S. Farnborough	1016·0	+4	SW'W	2	c	57	65	8	8	1	-	1	10	4000	0	*
Boscombe Down	1016·6	+8	W'N	2	c	56	85	8	8	7	-	7-8	10	2500	0	*
Calshot (Soton.)	1016·4	0	SW	3	c	56	75	8	8	1	-	7-8	9+	1500	0	2
Lympne	1016·1	0	WSW	3	c	58	65	7	2	-	-	7-8	7-8	2500	0	§3
Manston	1015·6	+4	SW	2	bc	59	65	6	7	-	-	4-6	4-6	2500	0	*
Shoeburyness	1015·6	0	W'S	1	c	57	85	7	7	-	-	9+	9+	4000	0	*
Felixstowe	1015·8	+2	SSE	3	b	55	75	6	5	-	-	1	1	5700	0	2
Gorleston	1015·5	+2	S'E	3	bc	54	75	6	-	3	-	0	4-6	-	0	2
Mildenhall	1015·1	+4	SW'S	2	c	60	85	8	1	3	6	Tr	9+	4000	0	*
Cranwell	1014·6	+10	W'S	3	zo	58	65	6	8	1	-	4-6	10	2500	0	*
Birmingham	1015·4	+4	W	2	c	57	65	8	2	6	2	Tr	7-8	2500	1	*
Upper Heyford	1015·8	+6	W'N	2	c	58	65	9	8	4	6	4-6	9	2500	0	*
Ross-on-Wye	1015·1	+6	SW	3	bc	57	65	8	8	-	9	2-3	4-6	2500	0	*
Hartland Point	1015·7	-2	W	4	c/r	52	92	8	5	2	-	7-8	9	1500	1	3
Bristol	1016·4	+2	WNW	3	bc	57	65	8	8	4	8	2-3	4-6	2500	0	*
Portland Bill	1016·6	+10	WSW	3	c	52	92	8	5	4	-	4-6	10	4000	0	2
Plymouth	1017·1	+2	SW'W	3	c	54	85	8	7	7	-	4-6	9	2500	0	2
The Lizard	1017·1	0	SW	3	pr	54	97	8	5	2	-	7-8	10	2500	1	2
Scilly (St. Mary's)	1016·7	0	SW'W	4	c	*	92	7	8	2	-	4-6	10	1500	1	2
Guernsey	1018·0	+2	W'N	3	c	53	92	7	5	3	-	4-6	9	5700	0	3
Pembroke	1015·1	-2	SW	4	c	52	92	8	8	2	-	7-8	9+	1500	1	2
Holyhead	1013·6	0	SSE	4	c	52	85	9	5	9	8	2-3	9+	450	0	2
Chester (Sealand)	1014·6	+4	ESE	1	c	59	55	8	8	7	-	7-8	9+	4000	1	*
Manchester	1014·5	+2	SSW	1	cjp	57	65	8	8	7	-	7-8	9	2500	1	*
Spurn Head	1014·7	+6	NW'W	3	r	53	83	6	5	-	-	10	10	1500	1	2
Catterick	1013·5	+6	SW	2	bc	58	55	8	5	4	8	2-3	4-6	2500	[illegible]	*
Tynemouth	1012·7	+6	W	2	c	53	85	6	8	-	-	7-8	7-8	1500	1	1
St. Abbs Head	1011·4	+4	SW	4	c/pr	54	65	9	8	2	-	7-8	9+	1500	1	2
Leuchars	1010·3	+6	WSW	2	c	57	55	8	8	7	-	7-8	7-8	2500	0	*
Renfrew (Abbotsl.)	1011·7	+6	SW'W	3	c	54	75	8	7	6	-	7-8	7-8	2500	0	*
Eskdalemuir	1012·6	+6	SW	3	pr	50	75	8	8	2	-	4-6	10	1500	1	*
Point of Ayre	1012·7	0	SW'W	3	c	58	65	8	2	4	-	Tr	9+	1500	0	2
Tiree	1009·2	0	S	3	c	54	85	8	5	*	-	7-8	7-8	2500	0	2
Stornoway	1008·8	0	SSW	5	roro	51	75	8	5	7	-	4-6	10	2500	1	2
Dalwhinnie	1009·8	0	W	4	c	53	65	8	4	6	1	4-6	9+	2500	0	*
Aberdeen	1010·8	+6	S	1	c/pr	52	85	6	8	9	6	4-6	7-8	2500	1	1
Wick	1010·1	+4	SSE	2	c	49	85	8	5	7	8	4-6	9	1500	1	1
Lerwick	1010·7	+4	S'E	3	c	47	92	7	8	1	-	4-6	7-8	800	1	*
Blacksod Point	1009·7	+10	NW	3	bc	55	92	7	2	-	-	4-6	4-6	1500	1	2
Malin Head	1009·7	-2	S'W	3	rr	53	92	7	5	-	-	9+	9+	1500	0	1
Aldergrove	1011·1	0	S	2	c/r	55	75	8	5	1	-	9+	10	1500	1	*
Birr Castle	1010·9	-2	SSW	2	c/pr	57	92	8	3	1	-	2-3	9	1500	1	*
Valentia Obsy.†	1012·9	+10	W'N	3	c	55	85	8	8	7	1	7-8	9	1500	1	2
Roches Point	1012·6	-2	WSW	3	c/r	55	97	8	5	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS. — WEATHER

Stations	7h.–13h. 21st (37)	13h.–18h. 21st (38)	18h. 21st to 1h. 22nd (39)	1h.–7h. 22nd (40)
London (Kew)	cmowcy	cy	cbc	bcomow
Croydon	bcjpc	cyc	czbc	bcew
S. Farnborough	cbevcy	cyc	cmobc	cmowc
Boscombe Down	bcmoccy	cyc	cbec	circdod
Calshot (Soton.)	cmocy	cyc	cbcb	bcprocmo
Lympne	bbcb	b bc	cbmo	bmow
Manston	b,bc	bcyzo	bczoc,bmo	bbcmow
Shoeburyness	bzo	bzoc	cb	bwbcmo
Felixstowe	bbybmo	bbmo	bmo	bmowbmo
Gorleston	cbc	bc	bcw	bcofbzo
Mildenhall	cmoc	c	cbec	bcmowbmo
Cranwell	bcbcy	bcycq	cbmow	cwmocmo
Birmingham	bc	bcpro	bc	bcc
Upper Heyford	bcbcy	cyc	bc	bcc
Ross-on-Wye	bcq	c	cbc	bcc
Hartland Point	bcc	crororo	roroiroo	orffcf
Bristol	cbcy	bcycpbc	bcc	cdomo
Portland Bill	bc	bcc	c	coo
Plymouth	bcjfzobc	bcc	bccproc	cdfcm
The Lizard	bc	bccpr	prc	cprbco
Scilly (St. Mary's)	bcc	ciro	codom	ocbcb
Guernsey	cbcc	bcc	c	coc
Pembroke	bccv	c.pro	cprirof	fefcbc
Holyhead	bcproc	iroc	dfeo	ofeb
Chester (Sealand)	cyproprc	c⊕y	cy	cmo
Manchester	bcmocpr	cprofRc	c	ccmo
Spurn Head	cmoc	cpro	irocw	bcwc
Catterick	bcmocy	cybcy	bccmo	cm
Tynemouth	bccpoPH	cpc	cbc	bce
St. Abbs Head	ctlr	prc	cbc	bcprc
Leuchars	irocy	cy	cyc	circroro
Renfrew (Abbotsl.)	cprocy	cbcyc	c	PRRroro
Eskdalemuir	cpHpr	cpr	prcbcc	corrdd
Point of Ayre	c	c	c	rrc
Tiree	ircbc	bcc	cidoir	cirbc
Stornoway	cpr	croro	cirprmo	cb
Dalwhinnie	ciro	c	*	cil
Aberdeen	ctlRcpro	ctrRRcpro	cprobc	bccirо
Wick	phrpr	cprc	c	roprc
Lerwick	crr	crrir	c	cpro
Blacksod Point	ir	ir	bc	bc
Malin Head	cuprc	cproc	clrciro	cbcbc
Aldergrove	ciriro	iroc	iroc	oc
Birr Castle	c	cpr	cprbc	bcc
Valentia Obsy.†	iriro	iroc	cbc	bcwc
Roches Point	crrc	ciroc	cbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. ⓘ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

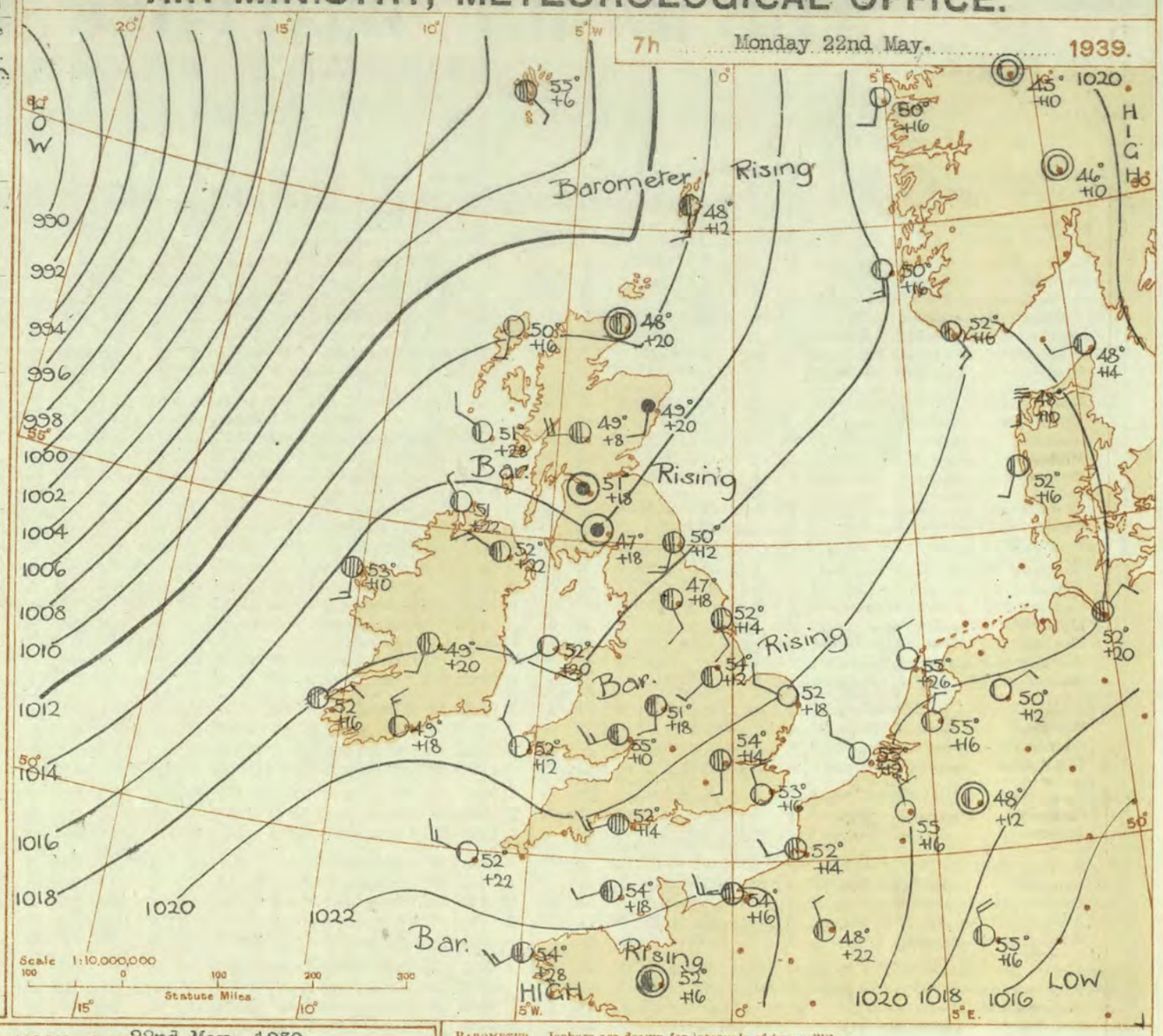
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 21st May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 20th to 9h. 21st	Temperature. (°F) Max. 9h.—17h. 21st	Rainfall. (mm.) Night. 17h. 20th to 9h. 21st	Rainfall. (mm.) Day. 9h.—17h. 21st	Sunshine. (Hrs.) Sunrise to 17h. 21st	Sunshine. (Hrs.) Sunrise to Sunset. 20th
1	Tunbridge W.	co	ococ	36	62	-	-	7·3	7·0
	Bournemouth	bcco	cp.bc	46	60	-	Trace	3·6	4·7
	Ventnor ...	cbczb	bbc	46	57	-	-	9·3	12·5
	Southsea ...	bbc	cbc	46	62	-	-	6·4	12·4
	Bognor Regis	bc	bc	45	57	-	-	8·2	12·2
	Littlehampton	bc	bc	42	57	-	-	8·9	12·6
	Worthing ...	b	b	43	59	-	-	8·5	12·9
	Brighton ...	bcb	bbc	42	58	-	-	9·0	12·6
	Eastbourne† ...	cbcb	bv	43	59	-	-	9·8	13·0
	Hastings† ...	b	b	43	58	-	-	11·0	12·7
	Folkestone ...	b	b	41	59	-	-	10·5	11·5
	Dover ...	bc	bcc	41	58	-	-	11·3	12·6
	Deal	bbcb	b	42	63	-	-	11·8	12·8
	Ramsgate ...	bc	bc	46	59	-	-	11·7	12·2
	Margate ...	bc	bc	46	62	-	-	11·3	11·5
2	Southend ...	b	bbco	46	65	-	-	9·3	8·3
	Clacton-on-Sea	bcb	bbc	50	58	-	-	10·8	6·5
	Dovercourt ...	b	b	47	61	-	-	10·6	4·2
	Lowestoft ...	bcb	b	47	59	-	-	8·6	0·0
	Skegness ...	cbc	bcoro	43	63	-	Trace	5·9	0·0
	Mablethorpe...	bbcb	bcc	48	65	-	-	6·8	0·0
	Cleethorpes ...	bc	bcr.	48	64	-	1	4·8	0·3
3	Leamington S.	bc	bcc	45	63	-	-	7·4	0·0
4	Cheltenham†	cbc	c	44	62	-	-	5·6	0·2
5	Bath	bcp.b	bbcc	49	63	Trace	Trace	6·4	0·2
	Weymouth ...	b	bc	46	58	-	-	8·6	3·7
	Jersey ...	bc	bc	45	59	-	-	11·1	13·0
	Torquay ...	bcv	bccv	45	61	-	-	6·9	3·1
	Falmouth ...	b	bcr.o	44	62	0·5	Trace	6·8	1·4
	Penzance ...	bbc	c	46	62	-	-	6·5	2·8
	St. Ives ...								
	Bude... ...	bcdbc	cr.	39	58	-	0·2	4·7	7·9
	Ilfracombe ...	cbc	bcco	48	59	-	-	7·1	3·6
6	Aberystwyth	cbc	c	48	57	-	-	3·4	0·8
7	Llandudno ...	bc	c	48	58	-	-	5·9	0·2
	Colwyn Bay...	bcc	c	49	60	-	-	3·3	0·1
	Rhyl	cprh.	r.bcc	48	59	Trace	Trace	3·3	0·0
8	Wallasey ...	bccp.	cbc	47	58	-	Trace	4·4	0·2
	Southport ...	bccp.	c	45	60	-	-	4·9	0·2
	Blackpool ...	bbcc	c	46	58	Trace	-	4·6	2·2
	Morecambe ...	bcc	cbc	46	56	-	-	4·8	7·2
9	Ilkley... ...	cbc	bc	43	65	-	-	5·5	0·0
	Harrogate ...	cbc	c	46	61	-	-	2·8	1·3
10	Berwick-on-T.	c	irc	43	58	0·2	Trace	2·5	1·9
11	Dunbar ...	cmr.	cpr.	44	57	Trace	2	1·6	7·2
12	Troon... ...	coc	bccoc	48	61	Trace	-	4·6	4·8
	Douglas ...	c	bc	44	56	-	-	3·1	8·1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind southwest, light; fair; local coast fog on South Coast; rather warm inland.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind west to southwest, light to moderate; mainly cloudy; local coast fog, and perhaps drizzle; close.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Wind west to southwest, becoming moderate; cloudy; occasional light rain at first; average temperature.
10 N.E. England 11 S.E. Scotland	Wind southwest, light; dull; occasional light rain to-day, then fair; temperature rising.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland	Wind southwest becoming moderate to fresh; fair to-day; becoming cloudy with occasional rain or drizzle, especially near the coast; average temperature.
16 Orkney and Shetland	Wind southwest, moderate to fresh at times; cloudy; occasional rain early, then fair; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Wind southwest, becoming fresh to strong on coast; cloud increasing; occasional rain or drizzle later; local coast fog ; close.
19 S. E. Ireland	As 4 - 6
20 S. W. Ireland	As 17 - 18

GENERAL INFERENCE.

A feeble trough of low pressure over Scotland and western England will fill up and a belt of high pressure from westward of Spain across to the Baltic will increase in intensity. Weather will become fair in most districts apart from some drizzle and coast fog near the west and northwest seaboard.

FURTHER OUTLOOK.

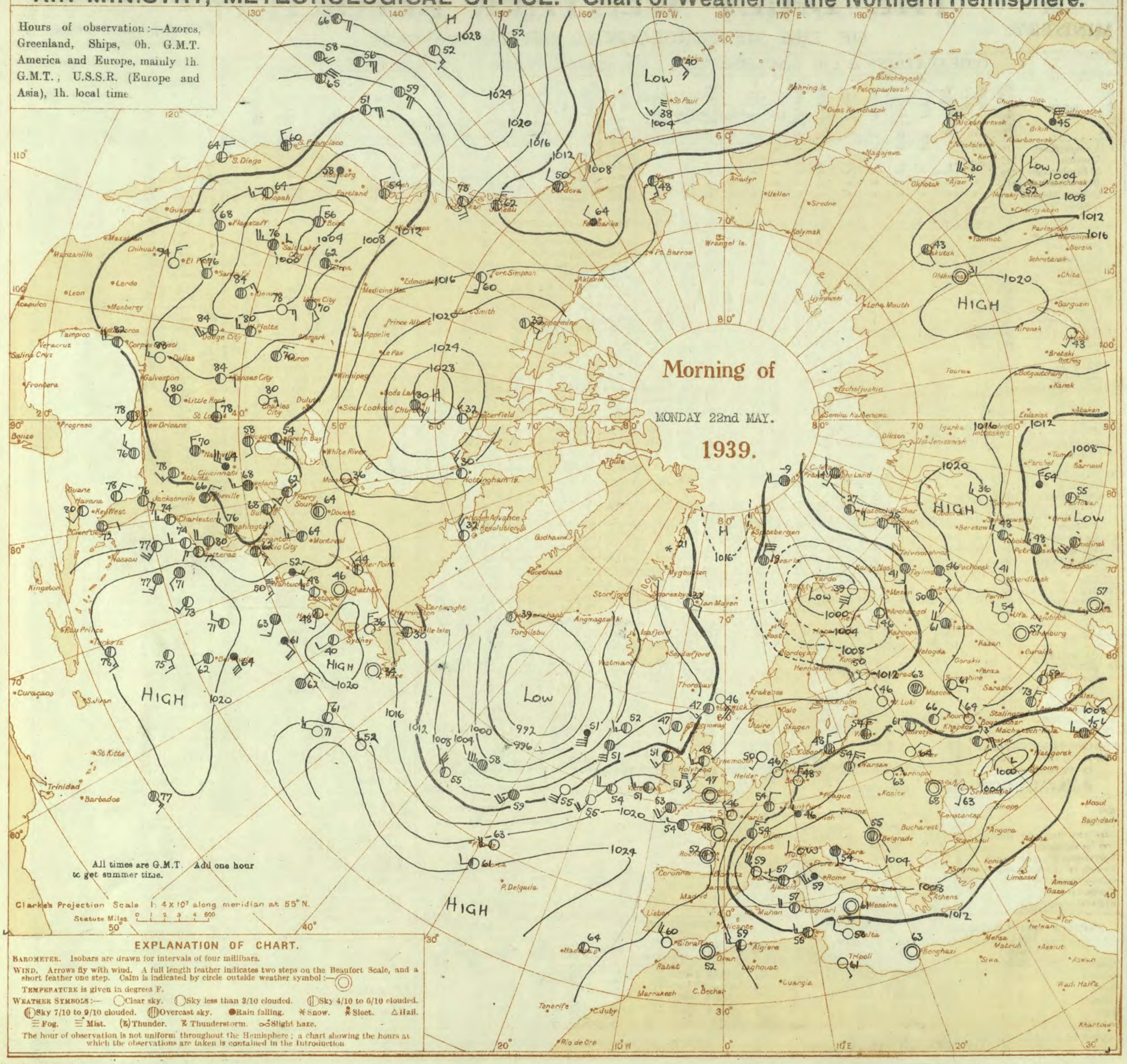
Fair and warm for a few days over at least most of England.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 22nd May, 1939.
No. 28305

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018.8	+8	-	0	b	47	92	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.8	+8	NNW	3	b	49	85	6	-	-	-	0	0	-
	Manston ...	154	1018.3	+6	WNW	2	2	49	92	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1017.7	+4	S	1	bc	48	75	7	-	1	-	0	4-6	-
	Mildenhall ...	19														
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1010.9	0	WSW	4	o/r	52	97	7	5	-	-	10	10	800
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1018.5	+8	W	3	c	52	92	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82														
	The Lizard ...	240	1018.8	+8	WSW	3	c	52	97	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1018.3	+4	SWW	4	o/d	53	97	6	5	-	-	10	10	1500
	Guernsey ...	175	1019.9	+4	W'S	3	c	51	97	8	8	3	-	4-6	7-8	2500
6	Pembroke ...	142	1016.6	+4	WSW	3	f	52	97	3	-	-	-	10	10	<150
7	Holyhead ...	26	1014.4	0	SE	3	of+	51	97	3	5	-	-	10	10	<150
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.4	+2	SSW	1	c	50	85	7	5	4	-	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015.7	+4	WSW	3	bc	48	85	7	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1013.2	-4	SW	4	bc	47	85	8	4	4	-	2-3	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1014.9	+4	SW	1	c	49	97	7	5	1	-	4-6	9	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010.8	+16	SW	2	c	47	85	6	5	7	-	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1011.2	+2	S	3	c	48	92	8	5	7	-	7-8	9+	1500
16	Lerwick ...	156	1012.4	+6	SW	3	c	47	92	7	8	7	-	4-6	9	800
17	Blacksod Point	18	1014.1	+16	NW	2	bc	49	85	8	2	-	-	4-6	4-6	2500
18	Malin Head ...	84	1011.8	+10	SW	3	c/r	51	97	7	4	-	-	7-8	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016.3	+6	W	3	bc	51	85	6	5	-	-	2-3	2-3	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1021.4	+22	WSW	1	2	53	85	6	5	3	2	4-6	9+	4000	1	*
Croydon ...	1020.9	+14	S	1	c	54	75	8	5	3	-	7-8	9	7200	1	*
S. Farnborough	1021.0	+16	S'E	1	c	53	85	7	-	7	-	0	9+	-	1	*
Boscombe Down	1021.1	+16	-	0	d	51	97	5	5	2	-	9	10	800	1	*
Calshot (Sthmtn.)	1021.1	+20	SW'W	1	c	55	92	7	6	-	-	10	10	450	0	0
Lympne ...	1020.9	+16	NNW	2	b	53	75	6	-	-	9	0	Tr	-	0	§0
Manston ...	1021.4	+26	NW'N	3	2	54	85	5	-	-	1	0	1	-	0	*
Shoeburyness ...	1020.7	+18	W'N	2	2	58	75	6	-	4	1	0	2-3	-	0	*
Felixstowe ...	1020.6	+22	NW	2	2	52	75	6	-	5	1	0	Tr	-	0	1
Gorleston ...	1020.3	+18	WNW	2	3	52	85	6	-	-	-	0	0	-	0	1
Mildenhall ...	1020.4	+18	S'W	1	2	52	85	6	-	4	4	0	4-6	-	1	*
Cranwell ...	1019.4	+12	SW'S	1	2	54	75	6	5	4	1	4-6	9	4000	1	*
Birmingham ...	1019.7	+18	S	2	c	51	92	7	5	7	-	7-8	9+	1500	1	*
Upper Heyford	1020.3	+10	S'W	1	c	50	85	7	5	3	5	4-6	9	2500	0	*
Ross-on-Wye	1019.4	+10	WSW	3	c	55	85	7	5	4	-	7-8	9+	1500	0	*
Hartland Point	1019.5	+20	WSW	3	f+	52	97	1	-	-	-	10	10	<150	1	3
Bristol ...	1020.3	+18	SSW	2	c	54	92	7	5	-	-	9+	9+	1500	0	
Portland Bill ...	1020.8	+14	WSW	3	c	52	92	7	5	-	-	10	10	2500	1	2
Plymouth ...	1020.7	+20	W	2	c/f	53	97	5	5	-	-	9+	9+	450	1	1
The Lizard ...	1020.9	+20	W	3	bc	52	97	8	8	-	-	4-6	4-6	2500	1	2
Scilly (St. Mary's)	1021.3	+22	W'N	3	b	52	97	7	4	4	-	Tr	1	4000	1	1
Guernsey ...	1021.6	+18	W'S	1	c	54	97	6	5	3	-	9	10	450	0	1
Pembroke ...	1019.6	+12	NW'N	2	bcf	52	92	6	5	4	-	2-3	4-6	1500	1	2
Holyhead ...	1017.4	+20	SW'W	4	b	52	85	8	7	4	-	1	1	2500	0	2
Chester (Sealand)	1018.3	+14	SE	2	2	53	85	6	5	3	-	7-8	9+	1500	1	*
Manchester ...	1018.5	+10	SSE	2	2	52	85	6	6	2	-	2-3	10	1500	1	*
Spurn Head ...	1019.7	+14	SSE	2	c	52	85	6	5	3	8	2-3	7-8	2500	1	1
Catterick ...	1018.6	+18	S'E	2	2	47	92	5	5	3	-	4-6	9+	2500	1	*
Tynemouth ...	1017.3	+12	SSW	3	c	50	85	5	5	-	-	9+	9+	2500	1	0
St. Abbs Head	1015.0	+18	SW	5	c/pr	50	85	8	8	2	-	7-8	10	2500	0	3
Leuchars ...	1015.6	+16	SW	1	r	51	92	7	5	7	-	7-8	9+	1500	1	*
Renfrew (Abbots I.)	1015.4	+18	-	0	r	51	97	5	5	-	-	10	10	800	1	*
Eskdalemuir ...	1016.6	+18	-	0	dd	47	97	5	-	2	-	10	10	220	1	*
Point of Ayre ...	1016.5	+18	W'S	3	c	52	97	7	5	3	-	4-6	7-8	1500	1	2
Tiree	1015.2	+28	WNW	2	bc	51	85	8	7	5	2	1	4-6	2500	1	2
Stornoway ...	1015.4	+16	SSW	1	b	50	75	8	1	-	-	1	1	4000	1	0
Dalwhinnie ...	*	+8	W	4	c	49	92	7	5	7	-	7-8	9+	2500	1	*
Aberdeen ...	1015.6	+20	SSW	2	r	49	92	6	-	7	-	0	9+	-	1	1
Wick ...	1013.9	+20	-	0	c/r	48	92	7	5	7	9	4-6	9+	1500	1	1
Lerwick ...	1013.9	+12	S	3	c/pr	48	92	7	8	7	-	4-6	7-8	800	1	*
Blacksod Point	1016.8	+10	S	3	c	53	85	8	5	-	-	10	10	1500	0	2
Malin Head ...	1016.3	+22	NW	1	bc	51	75	8	2	-	1	4-6	4-6	5700	0	1
Aldergrove ...	1015.9	+22	NW'W	3	c	52	85	8	8	-	-	7-8	7-8	1500	1	*
Birr Castle ...	1017.7	+20	SSW	1	c	49	97	7	5	3	-	2-3	9	2500	1	*
Valentia Obsy. †	1019.5	+16	NE'E	2	c	52	85	9	1	4	6	Tr	7-8	2500	0	2
Roches Point	1019.9	+18	NNW	3	bc	49	92	8	-	-	5	0	4-6	2	1	1

PAST 24 HOURS.

Stations	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)
London (Kew)	62	44	33	-	-	6.4
Croydon ...	64	43	39	-	-	5.2
S. Farnborough	62	37	32	-	-	3.9
Boscombe Down	61	46	41	-	Tr	3.1
Calshot (Sthmtn.)	62	48	44	-	Tr	5.7
Lympne ...	59	47	43	-	-	11.5
Manston ...	62	45	36	-	-	11.7
Shoeburyness ...	61	46	35	-	-	10.1
Felixstowe ...	59	45	37	-	-	11.5
Gorleston ...	59	46	45	-	-	6.1
Mildenhall ...	62	43	35	-	Tr	5.3
Cranwell ...	63	41	35	-	Tr	7.4
Birmingham ...	60	47	42	0.5	-	7.9
Upper Heyford	63	41	31	-	-	*
Ross-on-Wye	61	49	42	-	-	6.0
Hartland Point	54	50	49	1	2	4.7
Bristol ...	62	46	41	Tr	Tr	9.1
Portland Bill ...	*	*	*	-	-	*
Plymouth ...	53	48	*	-	-	
The Lizard ...	59	52	52	-	0.4	5.5
Scilly (St. Mary's)	60	51	*	0.1	0.3	8.5
Guernsey ...	*	50	*	0.3	Tr	5.4
Pembroke ...	55	50	*	Tr	0.2	5.4
Holyhead ...	57	49	49	Tr	Tr	5.4
Chester (Sealand)	61	47	44	0.3	-	2.5
Manchester ...	60	47	42	2	0.1	3.4
Spurn Head ...	66	47	*	Tr	0.1	5.1
Catterick ...	62	39	34	-	-	5.1
Tynemouth ...	58	45	40	4	-	3.6
St. Abbs Head	58	45	*	1	Tr	*
Leuchars ...	62	44	36	Tr	0.5	2.2
Renfrew (Abbots I.)	59	50	49	Tr	5	6.0
Eskdalemuir ...	56	43	39	6	1	1.3
Point of Ayre ...	62	49	*	2	1	3.4
Tiree	56	46	44	1	1	4.9
Stornoway ...	55	45	*	0.1	2	3.7
Dalwhinnie ...	56	45	42	0.4	3	5.2
Aberdeen ...	59	45	42	2	0.5	3.4
Wick ...	52	46	*	4	1	*
Lerwick ...	48	45	*	5	0.2	0.0
Blacksod Point	56	43	*	7	-	*
Malin Head ...	56	47	*	1	5	1.8
Aldergrove ...	56	50	48	2	0.3	0.2
Birr Castle ...	59	45	37	2	Tr	1.3
Valentia Obsy. †	58	46	40	3	Tr	1.5
Roches Point	57	47	*	3	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	cm,wcu	cu	cbm	62	44	33	-	-	6.4	*	*	8
Croydon ...	217	bc,pc	cu,c	czbc	64	43	39	-	-	5.2	*	*	8
Greenwich (Royal Observatory) ...	149	bbc	c	cbwcb	63	43	32	-	-	4.9	60	59	7
City (Gunhill Row) ...	—	*	*	*	*	*	*	*	*	5.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	64	45	40	-		5.6	55	70	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	62	46	40	-	-	5.5	55	66	*
Camden Square ...	110	bc	bc	*	64	47	37	-	-		*	59	*
Kensington ...	80	bc	bc	*	65	45	34	-	-	5.4	At 18h 58	42	*
Hampstead Observatory ...	450	bc	bc	bc	62	46	41	-	-	6.3		63	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 22nd.

South Kensington.

Max.	Time.	Min.	Time.
40.3 whole period			

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	23h. 21st	40.1	10-17h. 21st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 21st. May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 22nd. May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris ...	1015.9	NNW	3	bc	63	1021.5	NNW	1	2	48
Brussels ...						1020.1	NNW	2	b	55
Berlin ...	1013.3	NNE	3	r	59	1016.6	NNE	5	2	52
Zurich ...	1011.8	SSE	1	r	46	1015.0	ESE	1	r	48
Rome ...	1003.5	WSW	5	bc	61	1005.8	SSW	5	c	61

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	66	43	-	-
Brussels ...		43		-
Berlin ...	64	48	Tr	1
Zurich ...	*	*	34	13
Rome ...	*	*	-	3

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 23rd May, 1939.
No. 28306

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°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)...	1022.3	+4	WSW	3	c	63	55	8	9	3	9	7-8	7-8	2500
	Croydon ...	1022.0	+6	SW'W	2	c	64	65	8	2	6	–	4-6	9	4000
	S. Farnborough	1022.0	+2	W	2	c	66	55	8	8	–	–	9	9	4000
	Boscombe Down	1022.3	+2	S	1	pr	62	75	8	8	7	–	7-8	9	2500
	Calshot (Soton.)	1022.8	+6	SSW	4	c	60	75	8	8	3	–	4-6	7-8	1500
	Lympne ...	1022.8	+6	SW'W	3	bc	63	65	8	2	–	–	4-6	4-6	4000
	Manston ...	1023.0	+6	SE	3	bc	62	65	6	2	–	–	2-3	2-3	4000
2	Shoeburyness ...	1022.4	+2	ESE	3	c	59	75	6	8	–	–	7-8	7-8	4000
	Felixstowe ...	1022.6	+8	SSE	3	bc	60	65	8	2	3	1	2-3	2-3	4000
	Gorleston ...	1022.2	+6	SE	2	bc	57	85	6	–	–	8	0	4-6	–
	Mildenhall ...	1021.8	+6	SW	2	c	67	55	8	2	6	–	7-8	9	4000
	Cranwell ...	1021.0	+2	SSW	2	c	64	65	8	8	–	–	7-8	7-8	4000
3	Birmingham ...	1021.3	+4	WSW	2	c	64	65	8	8	7	–	7-8	9+	2500
	Upper Heyford	1021.9	+2	WNW	1	c	67	55	8	8	4	–	7-8	7-8	2500
4	Ross-on-Wye ...	1021.2	+6	SW	4	bc	65	55	8	7	–	–	4-6	4-6	4000
5	Hartland Point	1023.5	+16	WSW	2	bc	55	92	8	2	4	–	2-3	4-6	1500
	Bristol ...	1022.3	+8	W	3	bc	62	65	8	8	–	–	4-6	4-6	2500
	Portland Bill ...	1023.0	+6	SW	3	bc	56	85	7	4	–	–	4-6	4-6	4000
	Plymouth ...	1023.0	+10	SW	4	bc	58	65	8	1	–	1	2-3	4-6	2500
	The Lizard ...	1024.4	+14	WSW	3	bc	58	85	8	4	4	–	2-3	4-6	2500
	Scilly (St. Mary's)	1024.2	+14	WSW	3	c	59	92	7	2	6	2	2-3	7-8	2500
	Guernsey ...	1024.1	+8	SW	3	bc	58	75	8	1	–	–	2-3	2-3	800
6	Pembroke ...	1023.4	+12	W'N	2	b	55	85	7	1	7	1	Tr	Tr	4000
7	Holyhead ...	1021.7	+18	SW'S	3	c	58	65	9	1	–	6	Tr	7-8	2500
	Chester (Sealand)	1021.8	+24	NNW	4	bc	59	65	8	8	–	–	4-6	4-6	2500
8	Manchester ...	1021.3	+12	W	3	bo	62	65	7	4	–	–	4-6	4-6	4000
10	Spurn Head ...	1021.2	0	SE'S	3	c	57	75	6	5	–	–	9+	9+	2500
	Catterick ...	1020.0	+10	SW	3	bc	62	55	7	8	6	–	4-6	4-6	4000
	Tynemouth ...	1018.7	+6	SE	2	c	62	75	6	8	–	–	7-8	7-8	1500
11	St. Abbs Head...	1017.6	+4	NNE	5	bc	61	85	8	7	4	–	4-6	4-6	2500
	Leuchars ...	1018.3	+10	E	2	c	58	75	8	8	–	6	7-8	7-8	2500
12	Renfrew (Abbotsl.)	1018.5	+14	SWW	3	bc	61	65	9	2	5	1	4-6	4-6	2500
	Eskdalemuir ...	1018.9	+10	SW	4	bc	59	65	8	7	1	1	4-6	4-6	1500
	Point of Ayre ...	1020.4	+20	WNW	4	bc	62	75	8	3	–	1	1	2-3	4000
13A	Tiree ...	1016.3	+6	SSW	4	bc	56	65	8	2	7	–	2-3	4-6	2500
13B	Stornoway ...	1017.3	+10	SSE	4	bc	53	75	8	1	4	–	2-3	4-6	4000
15	Dalwhinnie ...	*	+16	NW	4	c	57	65	8	4	6	–	4-6	9	2500
	Aberdeen ...	1017.6	+6	SSE	4	c	57	75	6	2	3	–	4-6	7-8	2500
	Wick ...	1017.7	+16	NE	3	bc	50	85	7	7	7	8	2-3	4-6	2500
16	Lerwick...	1017.2	+18	SW'W	4	c	52	75	8	5	7	–	4-6	7-8	1500
17	Blacksod Point...	1018.5	0	SSE	4	c	56	75	8	5	3	–	2-3	7-8	2500
18	Malin Head ...	1019.3	+6	N	1	c	54	75	8	1	8	4	2-3	7-8	5700
	Aldergrove ...	1019.6	+12	SW'W	2	c	62	59	8	1	–	6	2-3	7-8	4000
19	Birr Castle ...	1020.6	+4	SSW	2	c	62	65	7	1	1	–	2-3	9	2500
20	Valentia Obsy.†	1021.4	+8	S	3	bc	60	75	8	8	–	–	4-6	4-6	2500
	Roches Point ...	1022.7	+14	WSW	3	bc	58	85	8	7	–	2	2-3	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1023.3	+8	WSW	2	bc	65	55	8	8	–	–	4-6	4-6	2500	0	*
Croydon	1022.9	+2	SW'S	3	c	64	75	8	9	6	–	4-6	9+	4000	0	*
S. Farnborough	1023.6	+10	SW'S	3	c	61	75	8	2	3	–	Tr	7-8	2500	0	*
Boscombe Down	1023.6	+10	S	3	c	61	75	8	4	–	–	7-8	7-8	4000	0	*
Calshot (Soton.)	1023.9	+6	SW	2	c	57	75	8	0	4	–	9	9	7200	0	2
Lympne	1024.4	+8	SSW	1	bcjf	57	85	7	–	6	–	0	2-3	–	0	§2
Manston	1023.9	+10	SE	2	b	61	65	8	–	–	–	0	0	–	0	*
Shoeburyness	1023.5	+8	SE'E	2	b	61	75	7	2	4	–	Tr	1	4000	0	*
Felixstowe	1024.0	+12	S'W	3	bc	58	65	8	7	–	5	1	2-3	4000	0	1
Gorleston	1023.7	+10	SSE	4	b	55	85	6	–	–	–	0	0	–	0	2
Mildenhall	1022.7	+6	SSE	1	bc	65	55	8	8	3	–	2-3	4-6	4000	0	*
Cranwell	1022.1	+6	SW	2	zo	64	65	6	5	3	–	4-6	9+	5700	0	*
Birmingham	1022.4	+6	SW	2	bc	64	55	8	1	3	6	Tr	4-6	4000	1	*
Upper Heyford	1022.6	+6	S'W	1	c	64	75	8	8	7	–	7-8	9	2500	0	*
Ross-on-Wye	1021.9	+8	W'S	2	b	67	55	8	1	–	1	1	1	4000	0	*
Hartland Point	1024.6	+6	WSW	3	bc	55	85	8	1	4	2	2-3	4-6	2500	0	2*
Bristol	1024.0	+10	W	3	b	60	65	8	–	–	8	0	Tr	–	0	
Portland Bill	1022.8	+4	S	2	b	53	92	8	–	–	–	0	0	–	1	2
Plymouth	1024.3	+10	WSW	4	bc	59	75	8	1	–	2	2-3	2-3	2500	0	1
The Lizard	1025.0	+4	W	1	bc	57	85	8	2	3	-	2-3	4-6	2500	0	1
Scilly (St. Mary's)	1025.5	+6	SW'W	2	bc	57	92	7	2	3	3	2-3	4-6	2500	0	1
Guernsey	1025.1	+6	W'N	3	b	55	75	8	–	–	–	0	0	–	0	3
Pembroke	1024.7	+6	W	2	bc	54	85	7	1	4	1	1	4-6	4000	0	1
Holyhead	1020.8	+6	S'W	3	c	54	75	8	–	–	6	0	7-8	–	0	1
Chester (Sealand)	1023.2	+12	NW'N	3	bc	59	55	8	5	–	6	1	4-6	4000	0	*
Manchester	1023.0	+12	WNW	3	bc	59	55	8	–	–	1	0	4-6	–	1	*
Spurn Head	1022.6	+6	SE'S	3	c	53	85	7	5	3	–	4-6	10	2500	0	2*
Catterick	1022.1	+18	W'S	3	bc	60	55	8	1	4	6	Tr	4-6	2500	0	*
Tynemouth	1020.8	+14	SW	2	bc	64	55	7	2	4	1	2-3	4-6	2500	1	1
St. Abbs Head	1019.7	+14	SSW	4	bc	62	65	9	8	3	–	4-6	4-6	2500	0	2
Leuchars	1019.3	+10	SW	3	b	63	55	7	4	6	–	Tr	Tr	4000	0	*
Renfrew (Abbotsl.)	1020.8	+14	SW	2	bc	59	65	9	1	5	6	Tr	4-6	4000	0	*
Eskdalemuir	1020.9	+10	SW'S	4	bc	58	75	8	7	–	5	2-3	4-6	2500	1	*
Point of Ayre	1021.9	+8	SE'S	1	c	58	85	8	–	–	2	0	7-8	–	0	1
Tiree	1018.7	+2	SSE	3	c	53	75	8	5	–	–	9+	9+	2500	0	2
Stornoway	1018.0	+2	S	5	c	53	65	8	1	7	–	Tr	9	4000	1	3
Dalwhinnie	*	+18	NW	3	c	55	65	8	4	4	1	2-3	7-8	4000	0	*
Aberdeen	1019.4	+12	S	3	c	56	75	6	1	7	–	Tr	7-8	2500	0	1
Wick	1019.4	+10	SE	3	bc	50	85	8	7	6	1	1	2-3	2500	1	1
Lerwick	1019.9	+10	W'S	2	bc	53	65	8	5	–	9	2-3	4-6	2500	0	*
Blacksod Point	1017.5	-6	S	7	bcq	55	85	8	8	–	–	4-6	4-6	1500	0	4
Malin Head	1019.1	-6	S	3	c	62	55	8	–	4	1	0	7-8	–	0	1
Aldergrove	1019.9	0	SSW	3	c	62	55	8	–	–	3	0	9+	–	1	*
Birr Castle	1020.0	-4	SSW	2	bc	66	55	7	1	–	–	2-3	2-3	2500	0	*
Valentia Obsy.†	1021.1	-2	S	5	c	57	85	8	5	–	–	9+	9+	1500	0	2
Roches Point	1022.8	-2	WSW	3	bc	57	85	8	5	–	2	2-3	4-6	2500	1	2

PAST 24 HOURS. — Weather.

Stations	7h.—13h. 22nd (37)	13h.—18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.–7h. 23rd (40)
London (Kew)	czobccy	cybcy	bcybw	bwm
Croydon	cbccv	cvc	cbmw	bcbwm
S. Farnborough	cvprocy	cybc	bcbmw	bmwjf
Boscombe Down	cdodocpc	cproc	cbcb	bm
Calshot (Soton.)	cmobc	cbcc	cbmw	bmwofe
Lympne	bbcy	bcjf	bfqbF	bifbFe
Manston	bbcbzo	b,bczoy	bfwbm	bF bmwb
Shoeburyness	bcybcz	bczob	bw	bwm
Felixstowe	bmob	bbc	bcb	bbwb
Gorleston	bbczo	bcbzo	bzw	bwbcb
Mildenhall	cmoccy	cbccbcy	bcybc	bmwpc
Cranwell	cmobcc	bccyzo	bz bcbm	bmwfg
Birmingham	cpro	cbc	bcb	b
Upper Heyford	ccprobc	cyc	cb	bmw
Ross-on-Wye	cbc	bcy	b	bmw
Hartland Point	Ffecbc	bc	bc	bcfbcc
Bristol	cidcbc	bcbyb	b	bbcwm
Portland Bill	obc	bcb	b	b
Plymouth	cmobc	bcbybc	bcb	bbw
The Lizard	bc	bc	bcmw	mFif
Scilly (St. Mary's)	bbc	cbc	bbccw	cw
Guernsey	combc	bcb	b	bfm
Pembroke	bc	bc	bcw	moc
Holyhead	bbc	bcc⊕	cbbc	bcmc
Chester (Sealand)	cmobcy	bcy	bcybmw	bbcmw
Manchester	cirombcz	bczoc	bcybbm	bmw
Spurn Head	c	c	cbwm	bmcw
Catterick	cmomcbc	bybcy	bcybw	bw
Tynemouth	cpoc	cbc	bc	bc
St. Abbs Head	irbc	bc	bc	cbc
Leuchars	bccproc	cbcby	byb	bbccw
Renfrew (Abbotsl.)	mocbc	bc	bccz	dmbcw
Eskdalemuir	ddcbc	bccbc	bcb	bbccw
Point of Ayre	cbc	bcc	cbcb	bc
Tiree	bc	bcc	c	c
Stornoway	bc	bc	c	crrm
Dalwhinnie	ciro	c	c	c
Aberdeen	cbczo	bczo	bcbz	bccz
Wick	cbc	bc	bcbc	cprc
Lerwick	cpro	cbc	bcc	ciro
Blacksod Point	bc	bcq	cq	idr
Malin Head	bcc	cbcyc	cbcbc	bcc
Aldergrove	cbccy	cy	c	c
Birr Castle	c	cbc	bc	bcc
Valentia Obsy.†	cbc	bcc	c	rodod
Roches Point	bc	bc	cidc	b

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

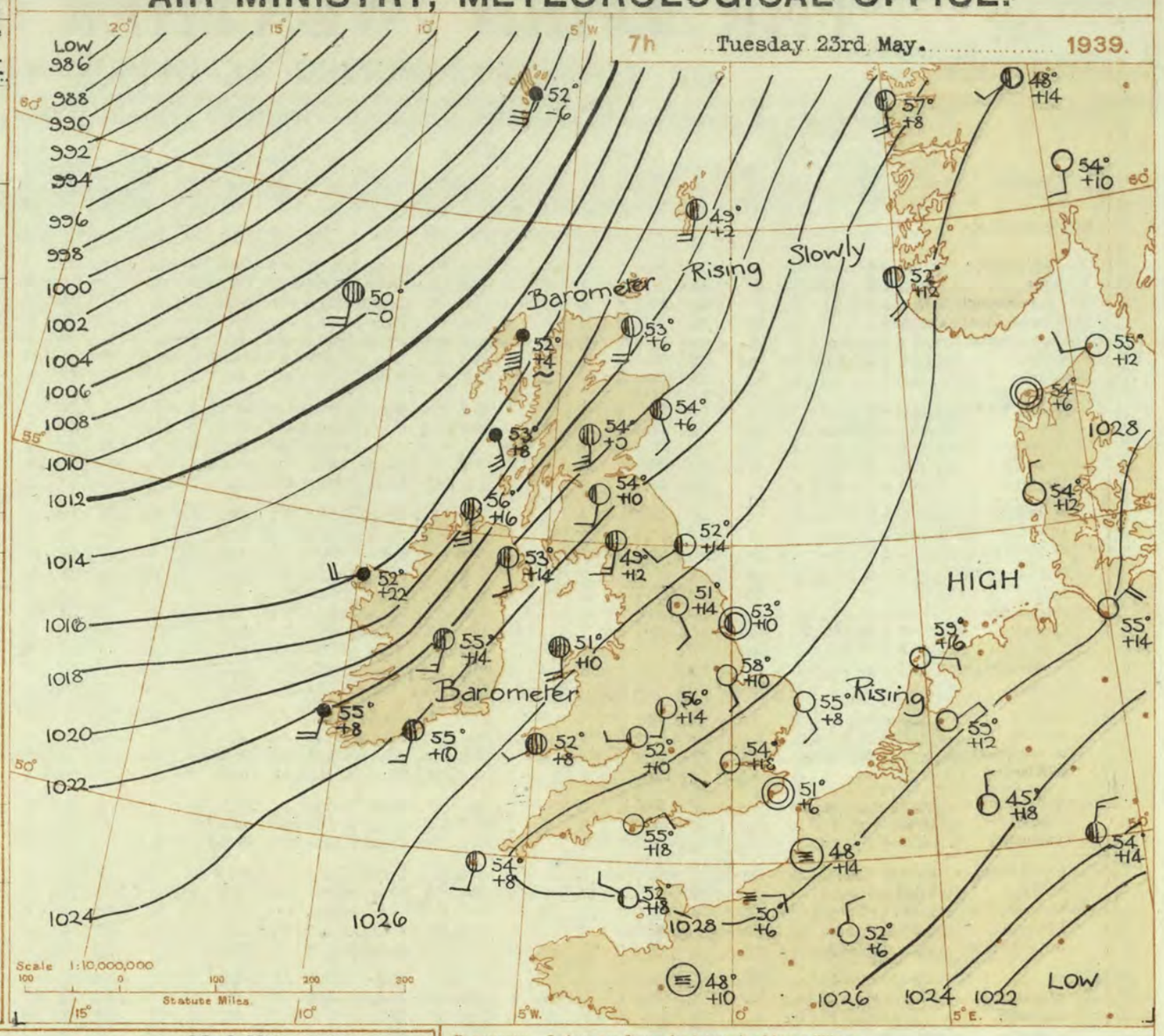
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 22nd May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 21st to 9h. 22nd	Temperature. (°F) Max. 9h.—17h. 22nd	Rainfall. (mm.) Night. 17h. 21st to 9h. 22nd	Rainfall. (mm.) Day. 9h.—17h. 22nd	Sunshine. (Hrs.) Sunrise to 17h. 22nd	Sunshine. (Hrs.) Sunrise to Sunset. 21st
1	Tunbridge W.	bc	bccoc	39	66	–	–	8.0	7.3
	Bournemouth	bbcb	bbc	51	66	–	–	6.0	4.1
	Ventnor ...	cofc	cbc	51	58	–	–	4.1	3.4
	Southsea ...	cbcb	bbc	50	64	–	–	3.1	6.4
	Bognor Regis	bc	bcc	46	59	–	–	5.7	8.4
	Littlehampton	bc	bc	44	59	–	–	7.9	9.0
	Worthing ...	bc	bbcc	46	61	–	–	8.5	8.5
	Brighton ...	bc	bc	46	62	–	–	7.0	9.4
	Eastbourne† ...	b	bbcc	46	62	–	–	11.4	10.2
	Hastings† ...	bc	bcchc	48	63	–	–	8.3	12.0
	Folkestone ...	mobc	bc	50	63	–	–	11.6	11.2
	Dover ...	bc	bc	49	61	–	–	11.7	12.3
	Deal	b	b	48	66	–	–	12.1	12.8
	Ramsgate ...	bc	bc	49	62	–	–	11.6	12.7
	Margate ...	bc	bc	50	63	–	–	11.7	12.2
2	Southend ...	b	bbcb	48	68	–	–	4.7	9.3
	Clacton-on-Sea	bc	bc	46	61	–	–	11.3	11.5
	Dovercourt ...	bc	bc	46	63	–	–	10.9	11.2
	Lowestoft ...	b	b	46	62	–	–	12.0	9.2
	Skegness ...	bc	bc	44	63	–	–	8.9	5.9
	Mablethorpe...	bc	bcbbc	40	65	–	–	8.0	6.8
	Cleethorpes ...	bc	bc	44	67	2	–	5.1	4.8
3	Leamington S.	c	c	44	69	–	–	4.8	8.1
4	Cheltenham†	cbc	bcbq	47	69	–	–	7.1	7.0
5	Bath	cpbc	cbcb	47	66	0.3	0.3	5.2	8.0
	Weymouth ...	cbmb	b	52	62	–	–	7.2	9.5
	Jersey ...	pcbc	bcb	52	61	0.2	–	6.4	11.9
	Torquay ...	bcb	bcbq	54	68	0.1	–	8.3	6.9
	Falmouth ...	b	b	53	63	0.3	–	10.6	6.8
	Penzance ...	bbcb	b	52	63	2	–	11.2	6.5
	St. Ives ...								
	Bude... ...	cbc	bc	47	59	2	–	9.3	4.7
	Ilfracombe ...	pcbc	cbc	52	58	3	–	7.5	7.2
6	Aberystwyth	prcbc	bc	50	58	2	–	8.9	3.5
7	Llandudno ...	bcb	bbc	51	60	–	–	8.9	6.2
	Colwyn Bay...	bcb	bcb	51	64	0.3	–	7.7	3.4
	Rhyl	bc	bcb	48	59	–	–	7.4	3.4
8	Wallasey ...	cbc	bcb	50	57	1	–	7.2	5.5
	Southport ...	cocbc	bbc	49	59	1	–	8.3	5.9
	Blackpool ...	bbc	bbc	50	57	1	–	8.1	6.6
	Morecambe ...	cbc	bbc	49	57	2	–	6.4	6.4
9	Ilkley... ...	bcc	b	44	67	–	–	5.6	7.1
	Harrogate ...	cbc	bcb	45	65	–	–	6.9	3.8
10	Berwick-on-T.	c	bcb	46	65	Trace	–	6.8	2.8
11	Dunbar ...	cpb	bcm.	47	67	0.5	–	6.4	3.1
12	Troon... ...	bcbbc	bcb	50	61	0.5	–	6.9	4.6
	Douglas ...	bc	bc	49	60	1	–	5.7	3.2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light variable to southerly breeze; fine apart from local coast fog at times on the South and West Coasts and early morning fog inland; warm.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind southerly moderate; fair to-day; light local rain to-morrow; mainly rather warm.
13 A. W. Scotld. B.N.W.Scotland.	Wind south veering southwest, fresh to moderate; cloudy; occasional light rain to-day; then fair; close.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind south, fresh, strong or gale off the Northeast Coast; fair at first; occasional rain later; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Wind southwest, moderate or fresh; considerable bright periods; a few showers; average temperature.
19 S. E. Ireland	Wind southwest, moderate; cloudy, occasional light rain to-day, then fair; average temperature.
20 S. W. Ireland	As 17.

GENERAL INFERENCE.

A belt of high pressure from the Azores across England to the Baltic will persist and a feeble trough of relatively low pressure along the western seaboard will move slowly northeast. Weather will be fine and warm over England and Wales, but a narrow belt of light rain will move slowly across Ireland and Scotland.

FURTHER OUTLOOK.

Fine and warm in most districts. Mainly fair weather likely for several days over most of England.

Times of Issue of Gale Warnings.

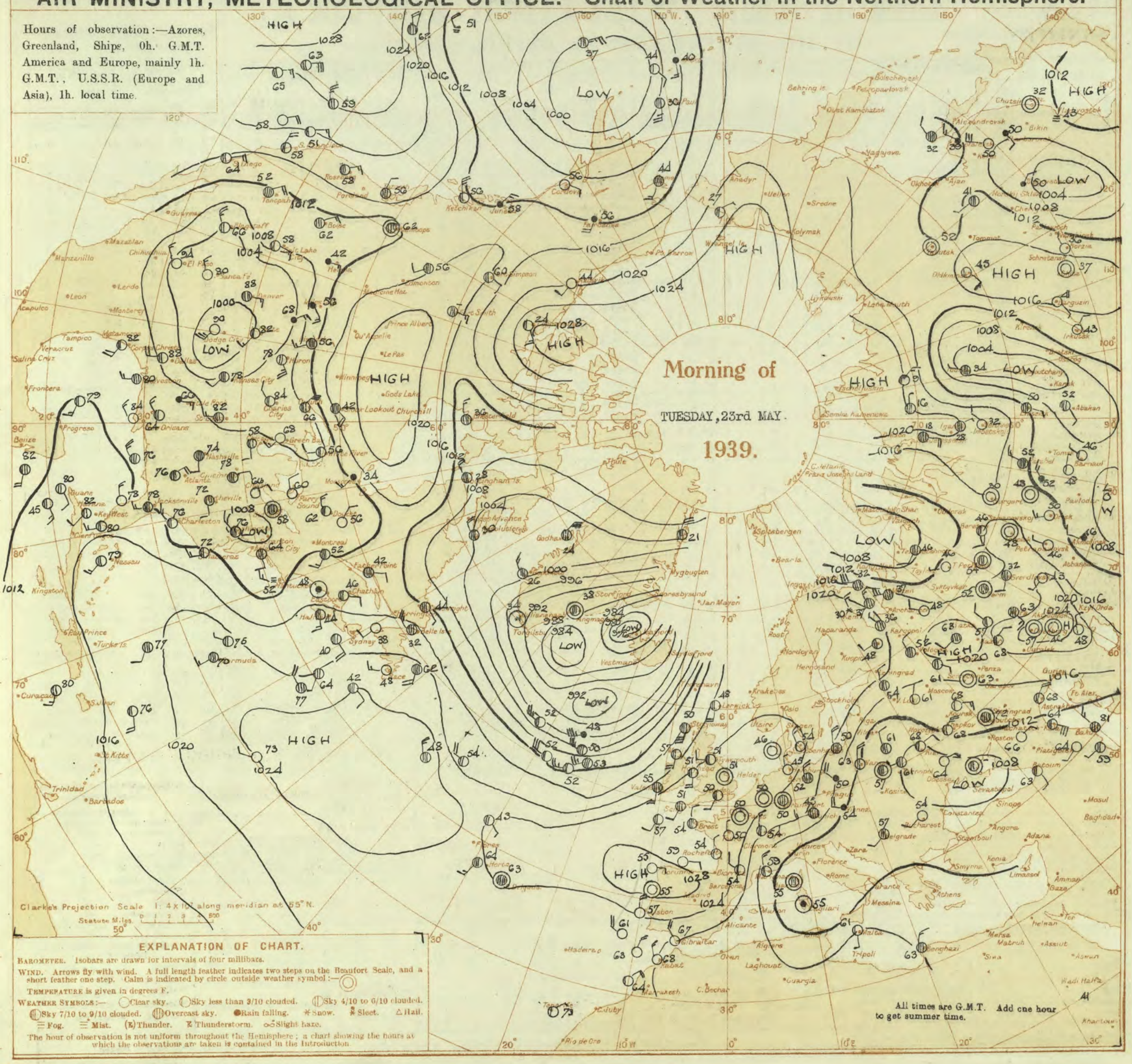
South Cone hoisted at 0235 G.M.T. on 23/5/39 in districts 13B, 16 and part of 15.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 23rd May, 1939
No. 28306

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·1	+14	S'W	2	b	50	97	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·7	+10	-	0	if	47	97	3	-	-	-	0	0	-
	Manston ...	154	1026·6	+10	SSE	1	b	49	97	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1026·1	+10	S'E	2	b	51	85	7	-	-	-	0	0	-
	Mildenhall ...	19	1025·8	+14	SES	2	z	50	85	6	5	-	-	Tr	Tr	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·1	+8	SW	3	bc	50	87	7	5	-	-	2-3	2-3	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1025·8	+12	N	1	b	51	85	8	-	-	-	0	0	-
	Plymouth ...	82														
	The Lizard ...	240	1026·4	+4	WS	1	m	51	97	4	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1026·3	+4	SSW	2	c	51	97	7	5	-	-	10	10	2500
	Guernsey ...	175	1026·3	+4	WN	3	b	50	92	7	-	-	-	0	0	-
6	Pembroke ...	142	1026·0	+8	SSW	2	bc	51	92	7	5	-	-	2-3	2-3	4000
7	Holyhead ...	26	1024·2	+6	S'E	4	bc	51	92	7	-	-	6	9	4-6	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1025·2	+10	-	0	b	51	92	5	-	-	-	9	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1023·9	+10	W	3	bc	51	92	7	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1022·2	+2	WSW	4	bc	49	85	8	5	-	-	2-3	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1023·0	+10	-	0	b	51	85	8	-	-	2	0	1	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1015·4	-16	S	6	c	58	75	8	5	7	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018·7	-6	S	2	c	48	97	7	8	7	-	4-6	9	1500
16	Lerwick ...	156	1021·4	+2	S	4	c	48	97	7	5	7	-	4-6	7-8	800
17	Blacksod Point	18	1017·3	0	S	7	cq	55	85	8	5	-	-	9	9	1500
18	Malin Head ...	84	1017·9	-6	S	4	bc	57	75	7	4	3	-	2-3	4-6	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021·5	0	S	3	o	55	92	7	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1028·5	+18	-	0	z	54	85	6	-	-	-	0	0	-	0	*
Croydon	1028·8	+18	SWS	2	b	54	92	6	-	-	-	0	0	-	0	*
S. Farnborough	1028·3	+18	-	0	z	52	92	6	-	-	-	0	0	-	0	*
Boscombe Down	1028·2	+10	-	0	z	52	75	7	-	-	1	0	1	-	0	*
Calshot (Sthmtn.)	1028·6	+20	N'W	1	bf	47	97	1	-	-	-	0	0	-	1	§0
Lympne	1028·2	+6	-	0	b/f	51	97	8	-	-	-	0	0	-	0	0
Manston	1028·5	+10	-	0	b	58	65	8	-	-	-	0	0	-	0	*
Shoeburyness	1028·4	+12	SSE	1	z	58	87	5	-	-	-	0	0	-	0	*
Felixstowe	1028·6	+12	S'E	1	b	56	75	9	-	-	-	0	0	-	0	1
Gorleston	1028·9	+8	SSE	2	b	55	75	6	-	-	-	0	0	-	0	1
Mildenhall	1028·0	+14	SES	2	m/f	53	97	4	5	-	-	9+	9+	450	1	*
Cranwell	1027·0	+10	SSE	1	z	58	85	6	-	-	-	0	0		1	*
Birmingham	1027·6	+14	SSW	1	b	56	65	6	-	-	1	0	1	-	1	*
Upper Heyford	1028·1	+14	SSW	1	z	52	85	6	-	-	1	0	Tr	-	1	*
Ross-on-Wye	1027·5	+10	W	1	b	52	85	6	-	-	1	0	Tr	-	0	*
Hartland Point	1027·8	+14	SW	3	c	52	85	7	5	2	-	7-8	9+	1500	0	2
Bristol	1027·9	+10	SW	1	bc	53	85	7	5	-	1	2-3	2-3	2500	0	
Portland Bill	1027·8	+18	ENE	2	b	55	85	8	-	-	-	0	0	-	0	2
Plymouth	1028·1	+14	-	0	b	51	85	8	5	-	-	Tr	Tr	220	1	1
The Lizard	1028·2	+12	-	0	if	52	97	2	5	-	-	10	10	450	0	1
Scilly (St. Mary's)	1027·5	+8	SSW	2	c	54	97	8	8	6	-	4-6	9+	1500	0	1
Guernsey	1027·7	+18	WNW	1	bjf	52	97	6	5	-	-	1	1	220	0	1
Pembroke	1027·1	+8	SW	1	c	52	92	6	5	-	-	10	10	2500	1	1
Holyhead	1025·4	+10	S	4	c	51	92	6	5	-	-	10	10	220	0	2
Chester (Sealand)	1026·9	+14	SSE	2	z	49	85	5	-	-	2	0	4-6	-	1	*
Manchester	1027·1	+18	S	1	z	51	75	6	-	4	-	0	Tr	-	1	
Spurn Head	1027·3	+10	-	0	bc	53	92	6	-	-	8	0	4-6	-	1	0
Catterick	1026·6	+14	S'E	2	b	51	85	7	-	-	1	0	Tr	-	1	*
Tynemouth	1025·4	+14	SW	2	bc	52	85	5	2	-	1	2-3	4-6	2500	1	0
St. Abbs Head	1022·6	0	WSW	5	bc	52	65	8	5	6	1	4-6	4-6	2500	0	2
Leuchars	1023·1	+10	SW	1	c	55	75	7	7	3	6	1	7-8	4000	1	*
Renfrew (Abbots I.)	1023·3	+10	S'W	2	z	54	75	6	5	4	2	2-3	4-6	2500	0	*
Eskdalemuir	1025·5	+12	S'W	3	c	49	85	7	5	3	-	7-8	9+	1500	1	*
Point of Ayre	1024·6	+10	SSW	2	bc	55	85	7	8	-	-	4-6	4-6	1500	0	1
Tiree	1018·2	+8	S'E	5	id	53	85	7	5	-	-	9+	9+	1500	1	3
Stornoway	1015·5	+4	S	8	rr	52	92	5	5	7	-	4-6	10	800	1	4
Dalwhinnie	1021·2	0	S	5	c	54	75	8	-	1	4	0	10	-	0	*
Aberdeen	1022·0	+6	SSE	2	c	54	75	6	-	7	1	0	7-8	-	0	1
Wick	1018·6	+6	SSW	4	c	53	75	8	5	7	8	4-6	9+	1500	1	2
Lerwick	1019·9	+2	SSW	4	c/r	49	92	6	8	7	-	4-6	9	800	1	*
Blacksod Point	1015·5	+22	WSW	4	Dr	52	97	6	6	-	-	10	10	<150	1	1
Malin Head	1019·7	+16	S	5	c	56	75	8	8	-	7	4-6	9	1500	0	1
Aldergrove	1022·6	+14	S'E	3	c	53	85	7	-	3	6	0	9+	-	1	*
Birr Castle	1022·2	+14	SSW	3	c	55	85	7	5	3	3	4-6	9	2500	0	*
Valentia Obsy. †	1022·5	+8	SSW	4	d d	55	97	6	5	-	-	10	10	450	1	3
Roches Point	1024·7	+10	SSW	3	c	55	97	8	5	-	-	9	9	1500	1	2

PAST 24 HOURS.

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 22nd Hrs. (36)
London (Kew)	68	47	38	-	-	7·2
Croydon	69	47	45	-	-	8·3
S. Farnborough	67	39	34	Tr	Tr	4·3
Boscombe Down	65	43	36	Tr	Tr	2·4
Calshot (Sthmtn.)	62	45	43	-	-	3·2
Lympne	64	45	40	-	0·1	12·1
Manston	63	46	43	-	Tr	13·8
Shoeburyness	64	43	38	-	-	11·7
Felixstowe	62	47	39	-	-	13·3
Gorleston	57	49	46	-	-	13·8
Mildenhall	68	45	40	-	Tr	10·8
Cranwell	69	44	40	-	Tr	8·9
Birmingham	66	47	33	Tr	-	3·2
Upper Heyford	68	45	35	0·1	-	*
Ross-on-Wye	69	42	34	-	-	9·5
Hartland Point	57	47	45	-	-	9·1
Bristol	65	41	35	Tr	-	9·0
Portland Bill	57	49	*	-	-	*
Plymouth	63	44	37	-	-	11·1
The Lizard	60	49	*	-	Tr	12·8
Scilly (St. Mary's)	59	50	*	-	-	13·9
Guernsey	59	48	47	-	-	9·2
Pembroke	55	50	*	-	-	12·7
Holyhead	60	49	46	-	-	13·5
Chester (Sealand)	63	42	38	-	-	11·3
Manchester	63	38	34	Tr	-	8·0
Spurn Head	61	49	*	-	-	8·0
Catterick	56	42	37	-	-	9·3
Tynemouth	67	47	42	0·1	-	5·9
St. Abbs Head	65	48	*	0·1	-	*
Leuchars	65	45	39	0·5	-	5·2
Renfrew (Abbots I.)	63	46	40	Tr	-	6·3
Eskdalemuir	61	41	38	1	-	7·0
Point of Ayre	63	47	*	-	-	10·2
Tiree	56	50	48	-	Tr	8·5
Stornoway	57	50	*	-	0·4	11·3
Dalwhinnie	62	46	36	0·1	-	7·1
Aberdeen	60	50	47	-	-	4·5
Wick	53	47	*	-	Tr	*
Lerwick	54	46	*	Tr	0·3	9·7
Blacksod Point	58	40	*	-	2	*
Malin Head	62	51	*	-	-	9·1
Aldergrove	63	49	45	-	-	9·7
Birr Castle	68	50	45	-	-	11·5
Valentia Obsy. †	61	55	54	-	1	10·7
Roches Point	59	54	*	-	0·1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	czwbcy	cybcy	bcylwy	68	47	38	-	-	7·2	*	*	8
Croydon	217	cbecv	avc	cbmwm	69	47	45	-	-	8·3	*	*	8
Greenwich (Royal Observatory)	149	bc	cp₀c	cbw	68	46	37	Tr	-	5·4			7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·7	*	*	*
Westminster (St. James' Park)	27	*	*	*	71	50	45	-		5·3	75	67	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	69	49	43	-	-	4·9	59	68	*
Camden Square	110	bc	bc	*	69	50	43	-	-	*	*	71	*
Kensington	80	bc	bc	*	69	49	38	-	-	8·7	At 18h 65	69	*
Hampstead Observatory	450	bc	bc	b	68	50	45	-	-	6·3	*	71	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

South Kensington.

Max.	Time.	Min.	Time.
<0·3 whole period			

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	6h 23rd	<0·1	11-15h 22nd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 23rd May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1022·7	N	3	bc	54	1027·3	N	2	z	52	59	46	-	-
Brussels														
Berlin	1020·0	NE	4	o	59	1024·1	NE	4	c	55	66	48	-	-
Zurich	1018·7	NW	1	rr	50	1021·6	NNW	1	c/r	48	57	46	9	2
Rome	1008·5	SE	3	c	63	1011·5	ENE	2	b	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 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

Objects not visible at

0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 24th May, 1939.

No. 28307

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1029.0	-4	WSW	1	bc	69	55	8	1	-	-	4-6	4-6	2500
	Croydon	1028.5	-2	SE	1	c	71	55	8	1	-	-	7-8	7-8	4000
	S. Farnborough	1028.4	-6	SW'W	2	bc	71	55	8	1	-	-	4-6	4-6	4000
	Boscombe Down	1028.7	-6	SW	1	b	70	55	8	1	-	-	1	1	4000
	Calshot (Soton.)	1029.4	+2	SE'E	2	b	63	75	8	1	-	-	Tr	Tr	4000
	Lympne ...	1029.5	+2	ESE	3	b	63	56	9	1	-	-	Tr	Tr	4000
	Manston ...	1029.5	+2	E'N	2	b	66	55	6	-	-	-	0	0	-
2	Shoeburyness ...	1029.6	+4	E	3	b	63	55	7	1	-	-	1	1	4000
	Felixstowe ...	1029.7	0	SE	3	b	60	55	8	2	-	-	Tr	Tr	4000
	Gorleston ...	1029.7	0	SE'S	2	b	57	75	6	-	-	-	0	0	-
	Mildenhall ...	1028.3	-4	S	2	bc	71	55	7	2	-	-	4-6	4-6	4000
	Cranwell ...	1027.6	-6	SE'S	3	bc	70	55	8	1	-	-	2-3	2-3	2500
3	Birmingham ...	1027.8	0	SW	3	b	68	25	8	-	-	-	0	0	-
	Upper Heyford	1028.4	-6	S'W	2	bc	72	55	8	1	-	-	2-3	2-3	4000
4	Ross-on-Wye ...	1027.7	0	SW	3	b	69	45	8	-	-	-	0	0	-
5	Hartland Point	1029.3	+4	W	3	bc	54	85	7	5	-	-	4-6	4-6	1500
	Bristol	1028.4	-2	SW'W	3	bc	69	55	8	1	-	-	2-3	2-3	4000
	Portland Bill ...	1029.0	0	SE	1	fs	53	92	2	5	-	-	10	10	<150
	Plymouth ...	1029.3	+2	SSW	3	bcjf	56	85	8	5	-	-	2-3	2-3	<150
	The Lizard ...	1029.4	+6	SW'W	1	bc	61	75	7	8	5	-	4-6	4-6	2500
	Scilly (St. Mary's)	1029.7	+8	SSW	3	c	59	85	8	8	3	-	4-6	9	2500
	Guernsey ...	1028.7	+4	NNW	2	b	60	75	7	1	-	-	Tr	Tr	2500
6	Pembroke ...	1029.6	+4	SW'S	2	c	53	92	7	5	-	-	10	10	2500
7	Holyhead ...	1027.5	+10	S	5	c	55	85	8	5	-	-	10	10	1500
	Chester (Sealand)	1027.5	+2	WNW	3	b	62	65	7	-	-	1	0	Tr	-
8	Manchester ...	1027.4	0	SW'S	2	b	70	35	7	-	-	1	0	Tr	-
10	Spurn Head ...	1028.1	0	SE	3	bc	62	75	6	7	-	-	2-3	2-3	5700
	Catterick ...	1026.0	-6	ESE	3	z$_o$	73	35	6	-	-	1	0	2-3	-
	Tynemouth ...	1025.5	-2	NW	1	bc	68	55	6	5	-	1	2-3	2-3	2500
11	St. Abbs Head...	1025.4	+12	WSW	5	bc	62	65	8	-	6	2	0	4-6	4000
	Leuchars ...	1024.6	+2	SW	3	c	67	55	8	-	7	6	0	7-8	-
12	Renfrew (Abbotsl.)	1024.7	+4	SW'W	3	c	64	75	8	5	7	2	4-6	9	4000
	Eskdalemuir ...	1026.9	+6	SSW	5	c	55	85	7	5	-	-	10	10	1500
	Point of Ayre ...	1027.0	+8	SSW	4	bc	65	75	7	2	-	5	2-3	4-6	1500
13A	Tiree	1022.3	+19	S'W	2	id$_o$	59	92	7	5	-	-	10	10	1500
13B	Stornoway ...	1020.7	+20	SSE	4	c/r	52	92	7	8	2	-	7-8	10	1500
15	Dalwhinnie ...	1023.3	+20	SW	5	c	61	75	7	4	6	1	4-6	7-8	4000
	Aberdeen ...	1023.5	+10	SSW	2	c	64	55	6	-	-	8	0	7-8	-
	Wick	1021.7	+16	SSE	3	c	60	65	7	5	7	8	4-6	9+	1500
16	Lerwick... ...	1021.7	+14	S	5	c	51	85	7	5	7	-	4-6	7-8	1500
17	Blacksod Point...	1022.8	+12	SW	2	c	50	92	8	5	-	-	10	10	800
18	Malin Head ...	1023.3	+16	N'W	2	c	53	92	7	9	-	-	9	9	1500
	Aldergrove ...	1024.2	+2	S	3	c	63	75	8	5	-	-	9+	9+	2500
19	Birr Castle ...	1026.5	+6	SSW	3	c	64	75	8	5	-	-	9+	9+	2500
20	Valentia Obsy.†	1024.2	+4	S	5	z$_o$	59	92	6	5	-	-	10	10	950
	Roches Point ...	1026.9	+10	SW	3	id	56	97	6	5	-	-	10	10	450

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)...	1028.5	+2	S'W	2	c	69	55	8	4	-	-	7-8	7-8	4000	0	*
	Croydon	1028.4	+2	SW'S	3	bc	69	55	8	4	4	-	2-3	2-3	5700	0	*
	S. Farnborough	1028.7	+4	SW'S	3	bc	68	55	8	1	-	-	2-3	2-3	5700	0	*
	Boscombe Down	1028.9	+2	S'W	3	b	67	55	8	-	-	-	0	0	-	0	*
	Calshot (Soton.)	1029.1	-2	SSW	2	b	64	65	8	-	-	-	0	0	-	0	1
	Lympne ...	1029.2	-2	E	2	b	64	65	6	-	-	-	0	0	-	0	§ 1
	Manston ...	1029.6	+6	ENE	2	b	62	65	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	1029.7	+2	E'S	3	b	61	75	6	-	-	-	0	0	-	0	*
	Felixstowe ...	1029.8	+2	ESE	3	b	61	65	8	-	-	-	0	0	-	0	1
	Gorleston ...	1029.5	0	SSE	2	b	57	85	6	-	5	-	0	Tr	-	0	1
	Mildenhall ...	1028.6	+4	SSE	3	bc	68	45	7	-	-	9	0	2-3	-	0	*
	Cranwell ...	1027.6	+2	S	2	b	70	55	7	1	-	-	Tr	Tr	2500	0	*
3	Birmingham ...	1027.8	+2	SW	2	b	71	45	8	1	-	-	Tr	Tr	4000	1	*
	Upper Heyford	1028.0	+2	SW	1	bc	69	55	8	4	-	-	2-3	2-3	4000	0	*
4	Ross-on-Wye ...	1027.7	0	SW	3	b	69	55	8	-	-	-	0	0	-	0	*
5	Hartland Point	1029.4	+2	W	3	bc	55	85	8	1	-	-	2-3	2-3	1500	0	2
	Bristol	1028.6	+6	W	3	bc	67	65	8	4	-	-	2-3	2-3	4000	0	*
	Portland Bill ...	1029.6	0	E	1	fs	50	92	2	5	-	-	10	10	<150	0	2
	Plymouth ...	1029.1	-4	S'E	1	b	55	97	8	2	-	-	Tr	Tr	2500	0	1
	The Lizard ...	1029.4	0	W	1	bc	59	85	8	8	-	-	2-3	2-3	2500	0	1
	Scilly (St. Mary's)	1029.3	-2	SW'S	2	bc	58	85	8	8	3	-	1	4-6	2500	0	2
	Guernsey ...	1029.0	0	N	3	b	54	85	7	-	-	1	0	Tr	-	0	1
6	Pembroke ...	1029.4	-2	SW'S	1	bc	54	92	8	7	-	-	2-3	2-3	2500	0	1
7	Holyhead ...	1027.9	0	S	4	bc	55	85	8	5	-	-	2-3	2-3	800	0	2
	Chester (Sealand)	1028.1	+2	WNW	2	b	63	75	8	-	-	-	0	0	-	0	*
8	Manchester ...	1027.7	+2	NW	3	b	64	65	7	-	-	1	0	Tr	-	1	*
10	Spurn Head ...	1028.1	0	SE	4	bc	56	85	6	-	3	-	0	2-3	-	0	2
	Catterick ...	1026.6	+6	W	3	b	68	55	7	-	-	1	0	1	-	0	*
	Tynemouth ...	1026.2	+4	E	1	bc	65	65	6	5	-	-	4-6	4-6	2500	1	0
11	St. Abbs Head...	1025.5	+2	WSW	5	bc	62	55	8	1	6	2	Tr	4-6	4000	0	3
	Leuchars ...	1025.3	+4	S	4	c	65	65	8	-	4	9	0	7-8	-	0	*
12	Renfrew (Abbotsl.)	1025.8	+6	WSW	4	c	65	65	8	4	6	9	1	7-8	4000	0	*
	Eskdalemuir ...	1027.7	+4	S'W	3	c	54	85	6	5	-	-	10	10	1500	1	*
	Point of Ayre ...	1026.9	-2	S	2	b	59	85	8	2	-	5	Tr	1	800	0	1
13A	Tiree	1023.9	+4	-	0	c/d	51	92	7	5	-	-	9+	9+	1500	1	1
13B	Stornoway ...	1024.2	+10	S	3	r$_o$r$_o$	50	85	6	5	2	-	7-8	10	2500	1	2
15	Dalwhinnie ...	1025.6	0	SW	4	c	57	85	7	4	2	-	4-6	10	2500	0	*
	Aberdeen ...	1024.6	+6	S	3	c	62	65	6	-	7	9	0	7-8	-	0	1
	Wick	1024.1	+16	NNW	3	c	54	85	8	5	9	-	7-8	9+	1500	1	1
16	Lerwick... ...	1029.6	+14	S	3	c	52	92	8	8	7	-	4-6	7-8	1500	0	*
17	Blacksod Point...	1022.6	-4	N	1	DR	52	97	6	6	-	-	10	10	<150	1	2
18	Malin Head ...	1029.2	+2	NE	2	rr	50	97	5	5	-	-	9+	9+	800	0	1
	Aldergrove ...	1024.1	-6	SSE	3	c	64	75	8	5	3	-	9	9+	2500	1	*
19	Birr Castle ...	1029.6	0	SSW	2	c	63	85	8	5	7	-	4-6	7-8	2500	0	*
20	Valentia Obsy.†	1024.5	+2	S'E	5	c/d	57	97	8	5	-	-	9+	9+	800	1	3
	Roches Point ...	1027.0	0	SW	3	f	55	97	3	5	-	-	10	10	<150	1	2

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 23rd (37)	13h.–18h. 23rd (38)	18h. 23rd to 1h. 24th (39)	1h.–7h. 24th (40)
1	London (Kew)...	bwm$_o$bbcy	bccy	cbcyb	bbm$_o$w
	Croydon	bm$_o$bcuy	bcuy	bcmbw	bwm$_o$
	S. Farnborough	bm$_o$bcy	bcy	bcbm$_o$w	bm$_o$wjf
	Boscombe Down	bm$_o$by	by	b	bm$_o$w
	Calshot (Soton.)	FeFeb	bm$_o$b	bbm$_o$	bm$_o$bm$_o$wbm$_o$
	Lympne ...	bjfby	byz$_o$	bz m$_o$	bm$_o$w
	Manston ...	byz$_o$	byz$_o$	bz	bm$_o$mw
2	Shoeburyness ...	bm$_o$by	bybm$_o$	bm$_o$w	bwm$_o$
	Felixstowe ...	bvy	bvyb	bm$_o$w	bm$_o$w
	Gorleston ...	b	bz$_o$	bzb	bz$_o$
	Mildenhall ...	bbcz$_o$	bcz$_o$ybc	bcybcbm$_o$	bm$_o$w
	Cranwell ...	bm$_o$bbc	bcby	bybcm$_o$	bcbm$_o$wz$_o$
3	Birmingham ...	b	b	b	bm
	Upper Heyford	b	bcy	obcb	bcm$_o$bm$_o$
4	Ross-on-Wye ...	bby	by	b	bmw
5	Hartland Point	cbc	bc	bc	bccbcw
	Bristol	bcby	bbcyb	b	bgffew
	Portland Bill ...	bfs	ffs	ofsbc	cbc
	Plymouth ...	bm$_o$bjf	bjfb	bw	bfsfgFbc
	The Lizard ...	ifcbc	bc	bcw	bcw
	Scilly (St. Mary's)	c	bccbc	bcw	bbcw
	Guernsey ...	bfmb	b	bif	oifb
6	Pembroke ...	c	cbc	bczw	FFe
7	Holyhead ...	m$_o$c	cb	bffeo	feffec
	Chester (Sealand)	bcwz$_o$yb	b	bwm$_o$	FFwbm$_o$
8	Manchester ...	bz$_o$by	byz$_o$b	bm$_o$	bm$_o$fe
10	Spurn Head ...	cbc	bc	bcb	bzc
	Catterick ...	wbz$_o$y	byz$_o$by	byb	bwb
	Tynemouth ...	bc	bc	bc	bc
11	St. Abbs Head...	bc	bcy	bc	bc
	Leuchars ...	cwbcy	bccyc	cbc	bccbcw
12	Renfrew (Abbotsl.)	bcm$_o$c	cbc	bcm$_o$cm$_o$	cm$_o$ir$_o$
	Eskdalemuir ...	cr$_o$r$_o$c	c	com$_o$	omffe
	Point of Ayre ...	bccbc	bcb	bbcw	bcc
13A	Tiree	odd$_o$m	oidir	cid	oidc
13B	Stornoway ...	cr$_o$r$_o$	cr$_o$r$_o$	cr$_o$r$_o$	or$_o$r$_o$
15	Dalwhinnie ...	cbc	c	c	cir
	Aberdeen ...	cbcz$_o$	bcz$_o$	bcz$_o$	bcz$_o$
	Wick	c	c	c	c
16	Lerwick... ...	c	c	c	c
17	Blacksod Point...	c	iDR	iDr	prc
18	Malin Head ...	c	crrfc	cifepfc	cpr$_o$e
	Aldergrove ...	c	c	c	co
19	Birr Castle ...	c	c	c	cor$_o$r$_o$
20	Valentia Obsy.†	d$_o$d$_o$om$_o$	om$_o$id$_o$c	id$_o$ir	irpr$_o$b
	Roches Point ...	coid	idffe	ffedd	ddffe

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
Solar halo. Lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
- .. Fresh snow has fallen in the mountains.

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.*

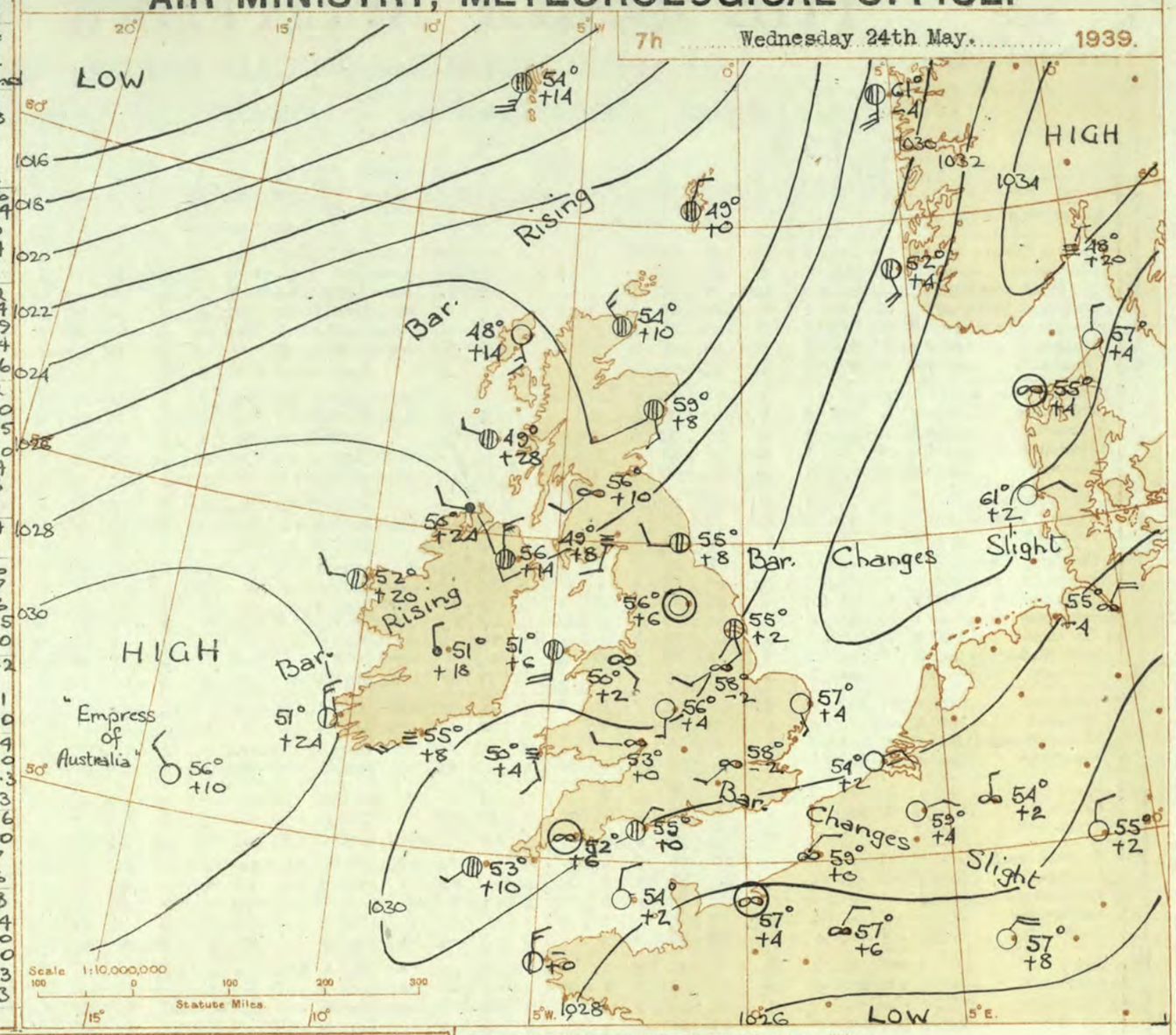
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 23rd May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 22nd to 9h. 23rd	Temperature. (°F) Max. 9h.—17h. 23rd	Rainfall. (mm.) Night. 17h. 22nd to 9h. 23rd	Rainfall. (mm.) Day. 9h.—17h. 23rd	Sunshine. (Hrs.) Sunrise to 17h. 23rd	Sunshine. (Hrs.) Sunrise to Sunset. 22nd
1	Tunbridge W.	bbc	bcb	43	75	-	-	10·2	8·0
	Bournemouth	b	b	44	65	-	-	12·0	7·8
	Ventnor ...	bfb	b	49	61	-	-	11·7	4·6
	Southsea ...	b	b	48	67	-	-	8·8	3·1
	Bognor Regis	fb	b	45	59	-	-	9·0	7·2
	Littlehampton	b	b	46	62	-	-	9·1	9·6
	Worthing ...	b	b	49	66	-	-	9·3	10·4
	Brighton ...	b	b	47	67	-	-	9·9	7·0
	Eastbourne† ...	fbcb	bby	47	67	-	-	7·6	11·4
	Hastings† ...	bfb	b	47	66	-	-	9·3	9·1
	Folkestone ...	b	bm	47	65	-	-	10·9	13·2
	Dover ...	b	b	45	68	Trace	-	11·4	13·4
	Deal	b	b	46	64	-	-	12·4	13·9
	Ramsgate ...	b	b	47	63	-	-	11·9	13·4
	Margate ...	b	bbc	48	62	-	-	12·5	13·6
2	Southend ...	b	b	52	71	Trace	-	10·8	6·2
	Clacton-on-Sea	b	bz	51	62	-	-	11·8	13·0
	Dovercourt ...	b	b	48	64	-	-	12·4	12·5
	Lowestoft ...	b	b	50	63	-	-	12·7	14·0
	Skegness ...	b	b	50	68	-	-	12·1	9·4
	Mablethorpe...	b	b	47	71	-	-	11·6	8·8
	Cleethorpes ...	b	bbc	48	75	-	-	11·6	5·1
3	Leamington S.	b	b	44	73	-	-	11·4	6·4
4	Cheltenham†	b	bbc	44	74	-	-	11·5	9·1
5	Bath	b	bbc	42	73	-	-	11·1	7·6
	Weymouth ...	b	fbfb	47	62	-	-	12·3	7·7
	Jersey ...	cfbc	bcb	48	66	-	-	6·6	8·6
	Torquay ...	b	b	46	62	-	-	12·7	10·5
	Falmouth ...	fcbc	b	46	63	-	-	2·8	13·0
	Penzance ...	c	bcb	48	65	-	-	4·7	13·2
	St. Ives ...								
	Bude... ...	cbc	bc	40	58	-	-	8·8	11·1
	Ilfracombe ...	cbc	bcbobc	47	61	-	-	9·7	10·0
6	Aberystwyth	cbc	bbc	45	60	-	-	12·0	11·4
7	Llandudno ...	b	b	47	63	-	-	12·1	11·0
	Colwyn Bay...	b	b	46	66	-	-	12·1	10·3
	Rhyl	b	b	45	69	-	-	12·3	9·3
8	Wallasey ...	b	b	49	64	-	-	12·0	8·6
	Southport ...	bzb	b	43	64	-	-	11·8	10·0
	Blackpool ...	bz,yb	b	42	60	-	-	11·6	9·7
	Morecambe ...	b	b	43	59	-	-	12·0	8·6
9	Ilkley... ..	b	b	42	76	-	-	10·8	8·3
	Harrogate ...	b	b	43	73	-	-	12·2	9·4
10	Berwick-on-T.	bc	bc	46	68	-	-	11·7	9·0
11	Dunbar ..	bcm	bc	48	69	-	-	9·2	8·0
12	Troon... ...	bcc	bcc	51	73	-	-	7·0	8·3
	Douglas ...	cm	cm	49	53	-	-	0·0	7·3

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 24th May, 1939.
1 S.E. England	Light easterly to variable breeze; fine; warm.
2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Wind variable, light, becoming northwesterly later; fine and warm to-day; rather more cloud to-morrow; local coast fog; becoming cooler to-morrow.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Wind southerly, light, veering northwest; becoming cloudy with some light occasional rain; fair later; local coast fog; warm early then cooler.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Wind mainly northwesterly, light; fair to fine; average temperature.
18 N. E. Ireland 19 S. E. Ireland	As 6 - 11.
20 S. W. Ireland	As 12 - 17.

HMSO Press, Cornwall House, S.E.1.

GENERAL INFERENCE.

A feeble trough of relatively low pressure from the Shetlands to Southwest Ireland, and separating anticyclones to east and west of the British Isles, will move slowly southeast. Apart from some light rain in South Scotland, East Ireland and Northwest England to-day, weather will be fair to fine in most other districts. Some fall in temperatures will extend slowly from the northwest.

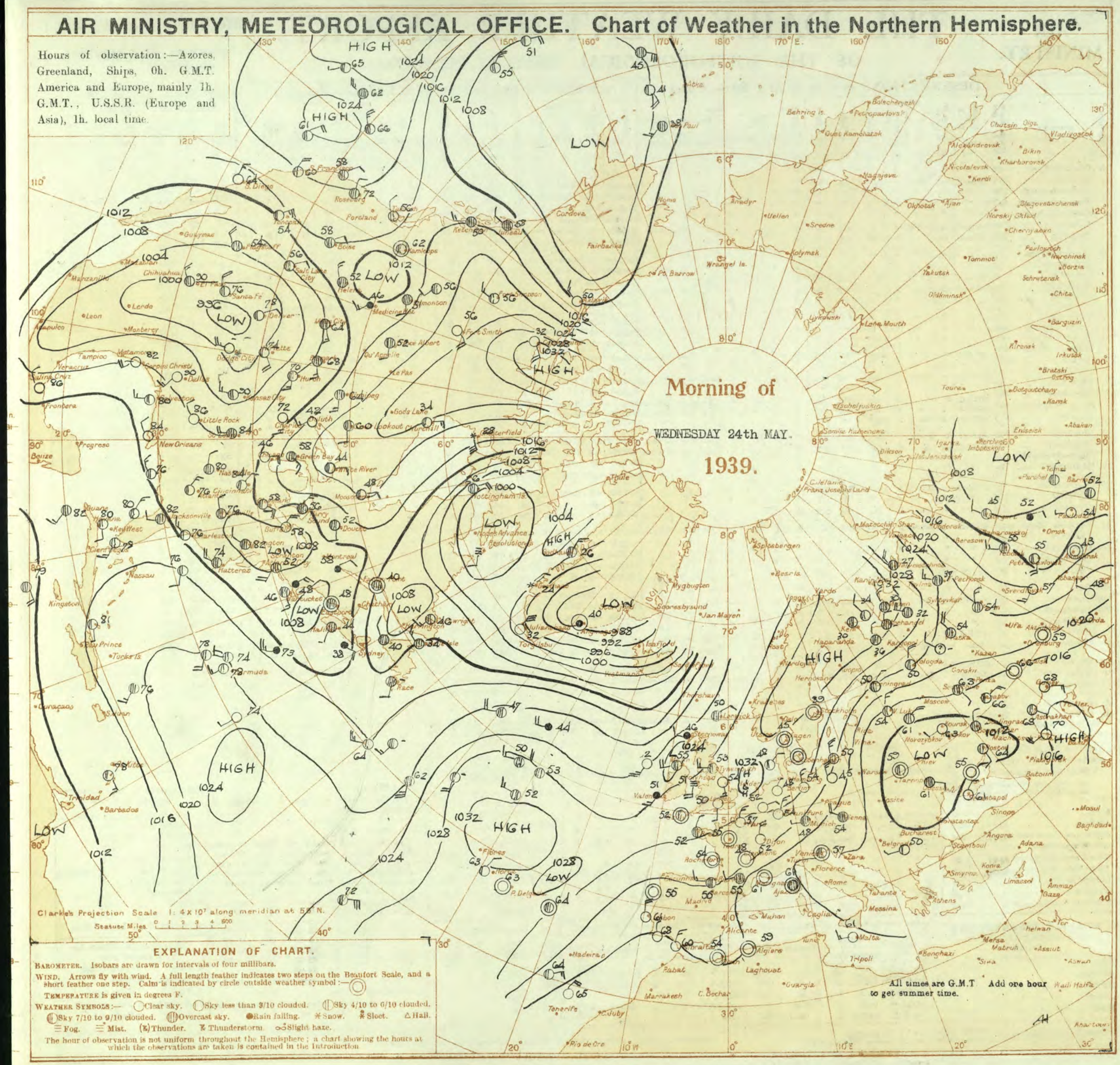
FURTHER OUTLOOK.

Less warm in the South. Fair for several days in most districts.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 24th May, 1939.

No. 28307

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1030·3	+10	S'E	1	b	50	92	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1030·3	0	NE'E	3	b	47	85	6	-	-	-	0	0	-
	Manston	154	1030·3	0	-	0	b	48	85	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1030·3	0	SSE	1	b	52	85	8	-	-	-	0	0	-
	Mildenhall	19	1029·9	+2	SE'E	2	3	49	85	6	5	-	-	Tr	Tr	4000
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1029·9	0	S	1	bc	52	92	8	1	5	.	1	4-6	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1029·6	0	NW	2	bc	49	92	7	5	-	-	4-6	4-6	2500
	Plymouth	82														
	The Lizard	240	1029·6	0	-	0	bc	49	85	7	8	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	163	1029·9	-2	-	0	bjf	52	97	8	5	-	-	2-3	2-3	1500
	Guernsey	175	1029·5	0	N	1	bjf	49	97	5	-	1	-	0	1	-
6	Pembroke	142	1030·1	0	SW'S	1	bc	51	97	7	5	-	-	2-3	2-3	2500
7	Holyhead	26	1028·7	+2	S	4	of	51	97	3	5	-	-	10	10	<150
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1029·2	+4	SSE	3	b	54	92	6	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1027·9	0	W	3	bc	53	92	6	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1025·6	-6	WSW	5	bc	52	85	8	4	6	-	2-3	4-6	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1027·9	+12	S'E	1	bc	49	97	7	5	-	-	2-3	2-3	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1024·4	+6	W	2	r.c.	46	97	6	5	2	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1024·8	-8	E	2	c	51	85	7	5	6	-	7-8	9+	1500
16	Lerwick	156	1025·1	-10	NE	2	c	50	92	7	8	7	-	7-8	9+	1500
17	Blacksod Point	18	1025·9	+14	-	0	dr	49	97	6	6	-	-	10	10	<150
18	Malin Head	84	1023·8	-2	SWN	4	ejp	55	92	6	9	-	-	7-8	7-8	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·6	+6	SSW	3	rr	51	97	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1030·4	+2	-	0	3	56	85	5	-	-	-	0	0	-	0	*
Croydon	1030·2	-2	SW	1	3	58	75	6	-	-	-	0	0	-	0	*
S. Farnborough	1030·2	+4	-	0	3	52	92	6	-	-	-	0	0	-	0	*
Boscombe Down	1030·5	+2	-	0	3	50	92	6	-	-	-	0	0	-	1	*
Calshot (Sthmtn.)	1029·8	+2	NW	2	3	53	85	5	-	-	-	0	0	-	0	0
Lympne	1029·7	-2	NNE	1	3	57	85	6	-	-	-	0	0	-	0	0
Manston	1030·2	-2	NE	1	3	57	85	5	-	-	-	0	0	-	0	*
Shoeburyness	1030·3	0	NNE	1	3	58	85	6	-	-	-	0	0	-	0	*
Felixstowe	1030·2	0	-	0	3	57	75	6	-	-	-	0	0	-	0	1
Gorleston	1031·0	+4	SSE	1	b	57	75	6	-	-	-	0	0	-	0	1
Mildenhall	1030·0	+2	SE'S	1	3	58	85	6	-	-	-	0	0	-	1	*
Cranwell	1029·2	-2	SW'W	2	3	58	75	5	8	-	-	9+	9+	2500	0	*
Birmingham	1029·8	+4	S	1	b	56	75	5	-	-	1	0	Tr	-	0	*
Upper Heyford	1030·1	-2	-	0	3	56	85	6	-	-	-	0	0	-	0	*
Ross-on-Wye	1030·0	0	W	1	3	53	85	6	-	-	1	0	Tr	-	0	*
Hartland Point	1030·0	+6	E	1	bc	55	85	8	-	-	4	0	4-6	-	0	1
Bristol	1030·5	+6	WNW	1	bf+	50	97	2	-	-	-	0	0	-	0	
Portland Bill	1029·6	0	NE	1	bc	55	92	8	5	-	-	2-3	2-3	2500	1	2
Plymouth	1030·1	+6	-	0	3	52	92	6	-	-	4	0	4-6	-	0	0
The Lizard	1030·0	+4	NNW	1	bc	58	85	8	4	4	-	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1030·4	+10	SW'W	1	c	53	97	8	5	3	2	2-3	7-8	2500	0	0
Guernsey	1028·8	+2	N'E	2	b	54	75	7	-	-	-	0	0	-	0	1
Pembroke	1030·3	+4	SSE	2	f	50	97	1	-	-	-	10	10	<150	1	1
Holyhead	1029·2	+6	S'W	4	m	51	97	4	5	-	-	10	10	220	0	2
Chester (Sealand)	1029·7	+2	SE	1	3	50	92	5	-	-	1	0	1	-	0	*
Manchester	1030·1	+12	SW	1	f-	49	97	1	-	-	-	10	10	<150	1	*
Spurn Head	1029·9	+2	SSE	2	bc	55	85	5	-	3	-	0	4-6	-	0	1
Catterick	1029·7	+6	-	0	b	56	85	8	-	-	5	0	Tr	-	0	*
Tynemouth	1028·4	+8	W	2	bc	55	85	5	2	-	1	2-3	4-6	2500	0	0
St. Abbs Head	1022·7	+20	WSW	5	bc	54	85	8	2	9	2	2-3	4-6	2500	0	2
Leuchars	1027·4	+10	WSW	1	c	57	85	7	7	4	6	2-3	7-8	2500	0	*
Renfrew (Abbots I.)	1027·6	+10	SW	2	3	56	85	6	5	7	-	9	9+	1500	0	*
Eskdalemuir	1029·2	+8	S'W	2	f+	49	97	2	-	-	-	10	10	<150	1	*
Point of Ayre	1028·5	+6	S	1	c	56	85	8	5	-	6	1	9+	800	0	1
Tiree	1027·3	+28	WNW	1	c	49	92	8	5	-	-	9	9	1500	1	1
Stornoway	1026·5	+14	SSE	3	c	48	97	8	5	7	-	4-6	9+	2500	1	2
Dalwhinnie	1026·4	+6	W	5	c	53	97	7	5	7	-	4-6	9+	2500	0	*
Aberdeen	1025·8	+8	S'E	2	c	59	75	6	-	-	2	0	7-8	-	0	1
Wick	1024·2	+10	NW	3	c	54	85	7	5	7	8	4-6	9+	2500	0	1
Lerwick	1024·4	0	NE'N	2	c	49	92	7	8	7	-	4-6	9	800	0	*
Blacksod Point	1029·0	+20	W	2	bc	52	85	8	2	-	-	2-3	2-3	2500	1	1
Malin Head	1029·2	+24	W	2	r.c.	50	92	6	6	-	-	9+	9+	1500	0	2
Aldergrove	1027·6	+14	NNW	3	o	56	85	8	5	-	-	10	10	2500	1	*
Birr Castle	1028·7	+18	NNW	1	r.c.	51	97	7	5	-	-	10	10	2500	1	*
Valentia Obsy. †	1030·7	+24	NNW	3	b	51	85	9	8	-	-	1	1	2500	1	2
Roches Point	1028·7	+8	SW	3	cf	55	97	3	5	-	-	10	10	<150	1	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 Hrs. (36)
London (Kew)	73	48	37	-	-	11·0
Croydon	74	46	38	-	-	11·7
S. Farnborough	73	39	34	-	Tr	12·4
Boscombe Down	71	41	37	-	-	14·1
Calshot (Sthmtn.)	67	47	43	-	-	10·0
Lympne	67	45	40	-	-	13·3
Manston	67	46	36	-	-	14·4
Shoeburyness	68	44	35	-	-	13·7
Felixstowe	63	47	40	-	-	14·1
Gorleston	58	51	48	-	-	14·8
Mildenhall	75	44	39	-	Tr	11·1
Cranwell	72	48	42	-	-	14·2
Birmingham	72	50	36	-	-	13·5
Upper Heyford	73	50	39	-	Tr	*
Ross-on-Wye	71	44	35	-	-	14·2
Hartland Point	59	50	46	-	-	11·5
Bristol	71	42	36	-	-	14·5
Portland Bill	53	47	*	-	-	*
Plymouth	58	45	38	-	-	14·1
The Lizard	61	48	*	-	-	7·7
Scilly (St. Mary's)	60	50	*	-	Tr	9·2
Guernsey	61	47	44	-	-	13·5
Pembroke	56	49	*	-	-	5·3
Holyhead	58	50	50	-	1	1·9
Chester (Sealand)	67	44	41	-	-	14·2
Manchester	72	41	40	-	Tr	14·2
Spurn Head	62	52	*	-	-	13·8
Catterick	79	44	38	-	-	14·9
Tynemouth	73	50	44	-	-	14·4
St. Abbs Head	65	51	*	-	-	*
Leuchars	69	48	42	-	-	10·1
Renfrew (Abbots I.)	66	53	49	-	Tr	8·8
Eskdalemuir	58	47	48	Tr	Tr	1·8
Point of Ayre	61	47	*	-	-	14·6
Tiree	55	46	46	1	0·5	0·0
Stornoway	54	45	*	1	5	0·0
Dalwhinnie	62	50	46	-	0·1	3·9
Aberdeen	65	54	51	-	-	4·8
Wick	64	48	*	-	-	*
Lerwick	55	48	*	-	-	3·0
Blacksod Point	56	45	*	3	15	*
Malin Head	61	48	*	2	2	2·6
Aldergrove	66	55	53	-	-	1·7
Birr Castle	67	50	50	-	1	1·2
Valentia Obsy. †	59	49	46	0·1	5	0·0
Roches Point	58	53	*	0·2	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	bwmbbcy	bccy	cbcyw	73	48	37	-	-	11·0	*	*	6
Croydon	217	bmbcy	bcvy	bcmw	74	46	38	-	-	11·7	*	*	6
Greenwich (Royal Observatory)	149	by	bcby	bmfwy	74	47	33	-	Tr	10·5	48	46	5
City (Gunhill Row)	—	*	*	*	*	*	*	*	*	6·8	*	*	*
Westminster (St. James' Park)	27	*	*	*	74	52	45	-		8·8	55	51	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	74	49	43	-	-	7·4	47	43	*
Camden Square	110	b	bc	*	75	49	42	-	-	*		94	*
Kensington	80	bc	bc	*	74	50	39	-	-	7·9	At 18h 51	67 43	*
Hampstead Observatory	450	b	bc	b	71	53	47	-	-	9·7			*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington	Max.	Time.	Min.	Time.
	0·6	4-6h 24th	0·3	16-18h 23rd

Kew Observatory	Max.	Time.	Min.	Time.
	0·1	6h. 24th	0·1	11-20h 23rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 23rd May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 24th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1025·9	NE	3	b	72	1027·4	NE	2	3	57	73	52	-	-
Brussels	1027·7	NE'E	3	b	68	1029·2	ENE	2	b	59	73	52	-	-
Berlin	1026·1	NE	4	b	64	1026·8	N	4	b		72	52	-	-
Zurich	1024·4	NE	9	dd	50	1023·8	WSW	2	bc	52	52	48	1	1
Rome	1013·5	WSW	2	c	61	1015·3	NNE	2	bc	57	*	*	-	0·5

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	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 25th May, 1939

No. 28308.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F Temp. (6)	°F 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)	1029·0	−6	NNW	2	z.	71	35	6	5	-	-	4-6	4-6	5700
	Croydon	1028·7	−8	E'S	2	b	74	35	7	4	-	-	1	1	4000
	S. Farnborough	1028·6	−10	NW	2	b	75	35	7	1	-	-	1	1	5700
	Boscombe Down	1029·5	−4	NNW	1	z.	70	45	7	1	-	-	2-3	2-3	4000
	Calshot (Soton.)	1029·3	−2	SE	3	z.	68	65	7	2	-	-	1	1	4000
	Lympne	1028·7	−8	NE	3	z.	68	55	6	1	-	-	2-3	2-3	4000
	Manston	1029·5	−6	NE	3	z.	67	55	6	-	-	-	0	0	-
2	Shoeburyness	1029·7	−8	E'S	3	b	64	75	6	2	-	-	1	1	4000
	Felixstowe	1030·0	−6	SEE	3	b	61	75	7	2	-	-	1	1	4000
	Gorleston	1030·2	−6	E	1	b	58	75	6	-	-	-	0	0	-
	Mildenhall	1029·1	−6	SW	2	bc	75	45	8	1	-	-	2-3	2-3	5700
	Cranwell	1029·2	−2	NNW	1	bc	71	55	7	1	-	-	4-6	4-6	4000
3	Birmingham	1029·1	−2	SW	2	b	70	45	8	1	-	5	Tr	Tr	4000
	Upper Heyford	1029·2	−2	WN	1	bc	73	35	7	1	-	-	2-3	2-3	4000
4	Ross-on-Wye	1028·9	0	S	3	b	72	35	7	1	-	1	1	1	4000
5	Hartland Point	1030·9	+6	NE	1	f_s	55	85	8	1	-	4	1	4-6	1500
	Bristol	1030·2	−4	WNW	3	bc	68	55	8	1	-	5	1	2-3	2500
	Portland Bill	1029·7	−2	NW	1	bc	62	65	7	1	-	-	2-3	2-3	4000
	Plymouth	1029·7	−2	SSW	3	c	61	75	8	2	-	6	1	7-8	2500
	The Lizard	1030·2	0	-	0	bc	64	65	8	7	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1033·1	+2	WN	2	bc	65	92	8	1	4	6	1	4-6	2500
	Guernsey	1028·6	+2	NE	3	z.	62	65	6	-	-	-	0	0	-
6	Pembroke	1031·3	+2	SW	1	f	51	97	2	5	-	-	10	10	450
7	Holyhead	1003·5	+10	SW	3	c	56	85	7	5	-	-	10	10	800
	Chester (Sealand)	1030·2	+4	NNW	4	c	65	65	8	7	2	2	2-3	7-8	2500
8	Manchester	1029·6	−2	NNW	3	b	67	65	7	1	-	1	Tr	1	5700
10	Spurn Head	1029·7	−2	ESE	2	c	61	75	6	-	3	7	0	10	-
	Catterick	1028·6	−4	WSW	3	bc	71	45	7	-	4	1	0	2-3	-
	Tynemouth	1028·9	+2	SE	1	bc	60	75	6	2	-	-	2-3	2-3	1500
11	St. Abbs Head	1029·0	+10	NW	2	c	59	75	7	8	6	-	4-6	9	2500
	Leuchars	1029·2	+14	WSW	4	z.	61	75	6	8	7	-	4-6	9+	2500
12	Renfrew (Abbots I.)	1030·4	+14	NWN	3	c/d	57	75	8	5	7	-	4-6	10	1500
	Eskdalemuir	1030·0	+4	SE	2	c	55	85	8	5	-	-	10	10	800
	Point of Ayre	1030·8	+12	NNW	3	c	55	92	7	5	-	-	10	10	800
13A	Tiree	1030·1	+10	SW	3	bc	55	75	8	2	4	-	2-3	4-6	2500
13B	Stornoway	1028·2	+10	S	5	bc	55	75	8	2	6	-	4-6	4-6	4000
15	Dalwhinnie	1029·0	+18	W	5	c	56	65	8	4	1	-	4-6	10	2500
	Aberdeen	1029·1	+22	NW	3	c	57	85	7	5	7	-	9	9+	2500
	Wick	1028·3	+20	NW	3	c/pr	55	65	8	5	7	8	7-8	9+	1500
16	Lerwick	1027·5	+14	E'S	1	c	51	85	8	5	7	-	7-8	9	1500
17	Blacksod Point	1031·9	+14	WS	4	bc	58	85	8	2	-	-	4-6	4-6	2500
18	Malin Head	1031·7	+12	W	2	bc	55	85	8	2	-	1	2-3	4-6	1500
	Aldergrove	1031·3	+14	NNW	2	c/d	53	85	8	8	-	-	9+	10	2500
19	Birr Castle	1031·1	+8	NNW	1	c	60	65	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.†	1033·1	+10	NNW	4	b	58	65	9	1	-	-	1	1	2500
	Roches Point	1030·8	+10	N	4	bc	60	75	9	7	-	-	4-6	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F Temp. (20)	°F 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)	1027·4	−8	NNE	2	b	73	35	7	5	-	1	1	1	5700	0	*
	Croydon	1027·5	−4	E'S	2	b	70	45	7	4	-	-	Tr	Tr	5700	0	*
	S. Farnborough	1027·1	−6	NW	2	b	73	45	7	1	-	-	Tr	Tr	7200	0	*
	Boscombe Down	1028·0	−4	NNW	3	z.	70	55	7	1	-	1	1	4-6	4000	0	*
	Calshot (Soton.)	1027·4	−10	SSW	3	z.	68	55	6	1	-	-	Tr	Tr	5700	0	1
	Lympne	1027·8	−4	NE'E	3	b	64	55	6	-	-	-	0	0	-	0	§ 2
	Manston	1028·1	−8	ENE	2	z.	63	55	6	-	-	-	0	0	-	0	*
2	Shoeburyness	1028·4	−6	E'S	3	z.	60	75	6	-	-	-	0	0	-	0	*
	Felixstowe	1028·8	−10	ESE	3	z.	60	65	6	-	-	-	0	0	-	0	1
	Gorleston	1028·6	−10	-	0	b	57	75	6	-	-	-	0	0	-	0	1
	Mildenhall	1027·2	−10	SE	3	bc	71	55	7	8	-	-	4-6	4-6	5700	0	*
	Cranwell	1027·7	−6	E	2	z.	68	65	6	7	-	-	4-6	4-6	4000	0	*
3	Birmingham	1028·0	−4	N	2	c	69	45	8	8	-	8	7-8	9	4000	0	*
	Upper Heyford	1027·9	−6	NW	1	b	71	45	7	1	-	1	1	1	4000	0	*
4	Ross-on-Wye	1028·1	−4	SW	2	bc	67	55	8	5	-	2	1	4-6	4000	0	*
5	Hartland Point	1029·9	−2	NW	2	c	56	85	8	1	-	6	Tr	7-8	1500	0	2
	Bristol	1028·6	−2	WNW	2	bc	66	55	8	1	-	6	1	4-6	2500	0	*
	Portland Bill	1028·1	−8	NW	1	bc	62	75	7	1	-	-	2-3	2-3	4000	0	2
	Plymouth	1028·5	−6	NNW	4	bc	65	55	9	1	-	2	1	4-6	2500	0	2
	The Lizard	1029·5	−2	NW	4	bc	61	65	8	2	3	-	2-3	4-6	2500	0	2
	Scilly (St. Mary's)	1030·7	−2	NW	3	ojf	59	92	7	5	-	-	10	10	1500	0	1
	Guernsey	1027·9	−2	N	3	z.	61	65	6	-	-	-	0	0	-	0	1
6	Pembroke	1030·8	−6	NNE	4	cq	57	85	7	8	4	2	4-6	7-8	1500	0	1
7	Holyhead	1031·5	+6	NNW	4	c/p	51	92	8	5	7	-	4-6	10	450	0	1
	Chester (Sealand)	1031·0	+6	WNW	4	z.	54	92	6	5	-	-	10	10	450	0	*
8	Manchester	1029·9	+4	WNW	3	bc	60	85	7	-	5	1	0	4-6	-	1	*
10	Spurn Head	1028·8	−12	SE	3	c	56	85	6	-	3	7	0	10	-	0	2
	Catterick	1028·5	+2	N'E	2	z.	66	55	6	2	9	5	2-3	7-8	4000	0	*
	Tynemouth	1029·2	−4	SE	2	c	55	85	6	8	-	-	9	9	1500	0	0
11	St. Abbs Head	1029·7	+4	NW	3	c	55	85	6	8	7	-	7-8	9+	2500	0	2
	Leuchars	1030·4	+10	NE	3	ir.	55	85	8	5	1	-	7-8	10	1500	0	*
12	Renfrew (Abbots I.)	1031·6	+6	NW	4	bc	59	65	9	7	-	-	2-3	2-3	4000	0	*
	Eskdalemuir	1030·3	+6	NW	3	c	56	75	8	5	3	-	7-8	9	1500	1	*
	Point of Ayre	1031·8	+4	NNW	3	c	53	92	8	2	7	-	1	7-8	2500	0	2
13A	Tiree	1031·6	+10	W	2	bcjp	54	75	8	1	-	-	2-3	2-3	2500	0	2
13B	Stornoway	1029·7	+8	WSW	4	c	56	65	8	5	7	-	4-6	7-8	2500	1	2
15	Dalwhinnie	1031·3	+6	NW	4	bc	57	55	8	-	4	-	0	2-3	-	0	*
	Aberdeen	1030·9	+10	NE	2	ir.	51	92	6	6	2	-	4-6	10	450	1	1
	Wick	1029·8	+4	ESE	1	bc	50	85	8	5	6	1	2-3	4-6	1500	1	1
16	Lerwick	1029·9	+10	WSW	3	c	50	85	8	8	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1033·8	+12	WNW	3	bc	55	75	8	2	-	-	4-6	4-6	2500	0	2
18	Malin Head	1033·1	+8	W	3	bc	55	75	8	2	-	-	2-3	2-3	1500	0	2
	Aldergrove	1032·0	+2	NNE	2	c	59	65	9	5	-	-	9	9	2500	1	*
19	Birr Castle	1032·0	+4	NNW	1	c	62	55	8	8	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1034·1	+6	NWN	4	b	58	75	9	1	-	-	1	1	2500	1	2
	Roches Point	1031·9	+6	NE	3	bc	64	65	9	1	-	-	2-3	2-3	4000	1	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 24th (37)	Weather 13h.—18h. 24th (38)	Weather 18h. 24th to 1h. 25th (39)	Weather 1h.–7h. 25th (40)
London (Kew)	bm.wbczy	bczby	bybcw	bwcm.
Croydon	bz.y	bbcby	by.bcm.	cbcm.
S. Farnborough	bm.by	by	bybc	bwcm.
Boscombe Down	bm.bz.y	bz.bczy	bcz.	bcm.om.
Calshot (Soton.)	bm.	bz.y	bz.ybcm.	bcm.cm.
Lympne	bbcz.y	bcbz.y	bz.	bcbz.yb
Manston	bz.y	bz.y	byz.	bmw
Shoeburyness	bz.	bz.	bmzw	bbcwm.
Felixstowe	bm.b	bbm.	bm.	bwbm.
Gorleston	bz.	bz.	bz.	bz.c
Mildenhall	bm.bc	bcy	bcybcw	bcm.w
Cranwell	bcz.y	czy	bcz.	cm.prcz.
Birmingham	b	b,c	c	com
Upper Heyford	b	by	bybcm.	bccm.
Ross-on-Wye	bz.by	bycybcy	bc	bccoc
Hartland Point	bcf$_s$	bcf$_s$c	cfcof	fc
Bristol	bfejfbcb	bcy	bccm.	cm.w
Portland Bill	bc	bcbc	b	bbc
Plymouth	bcm.bc	bccybcy	bcybc	bcbw
The Lizard	bc	bc	bcbw	bbcw
Scilly (St. Mary's)	cbc	bbc	cifbw	bwbc
Guernsey	bz	bz	bz	bbcz
Pembroke	Fef	fbccq	bw	bbcw
Holyhead	mc	cfoc	cbw	bw
Chester (Sealand)	bwm.bc	bcz.cm.	crm.bc	bcc
Manchester	fbcz.	bcybc	bccm.	cm.m
Spurn Head	cz.	cz.	co	ocpr.
Catterick	bby	bycyz.	cyz.c	ccm.c
Tynemouth	bc	bcc	cp.co	ocbc
St. Abbs Head	bcc	irm.c	r.rc	r.cbc
Leuchars	bwccm.	cm.cir.	cir.bcw	bcwbcc
Renfrew (Abbots I.)	cm.id.	cbc	bcb	bbcfgw
Eskdalemuir	offec	c	cbc	bccbw
Point of Ayre	c	c	cbcb	bbcw
Tiree	bc	bc	bcbw	bbcw
Stornoway	cbc	bccpr.	b	bc
Dalwhinnie	c	cbc	*	bc
Aberdeen	bczoc	cr ir.	ir.crbc	bcc
Wick	cpr.	cbc	bcc	cbc
Lerwick	c	cpr.	cbcc	c
Blacksod Point	bc	bc	bc	prc
Malin Head	cbc	bc	bc	bcc
Aldergrove	d.d.m.c	cbyc	cbcb	bcwm
Birr Castle	r.r.c	cy	cbcc	bcc
Valentia Obsy.	bbcb	b	b	bwb
Roches Point	feddr bc	bc	bcbw	bw

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
Solar halo. Lunar halo. Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

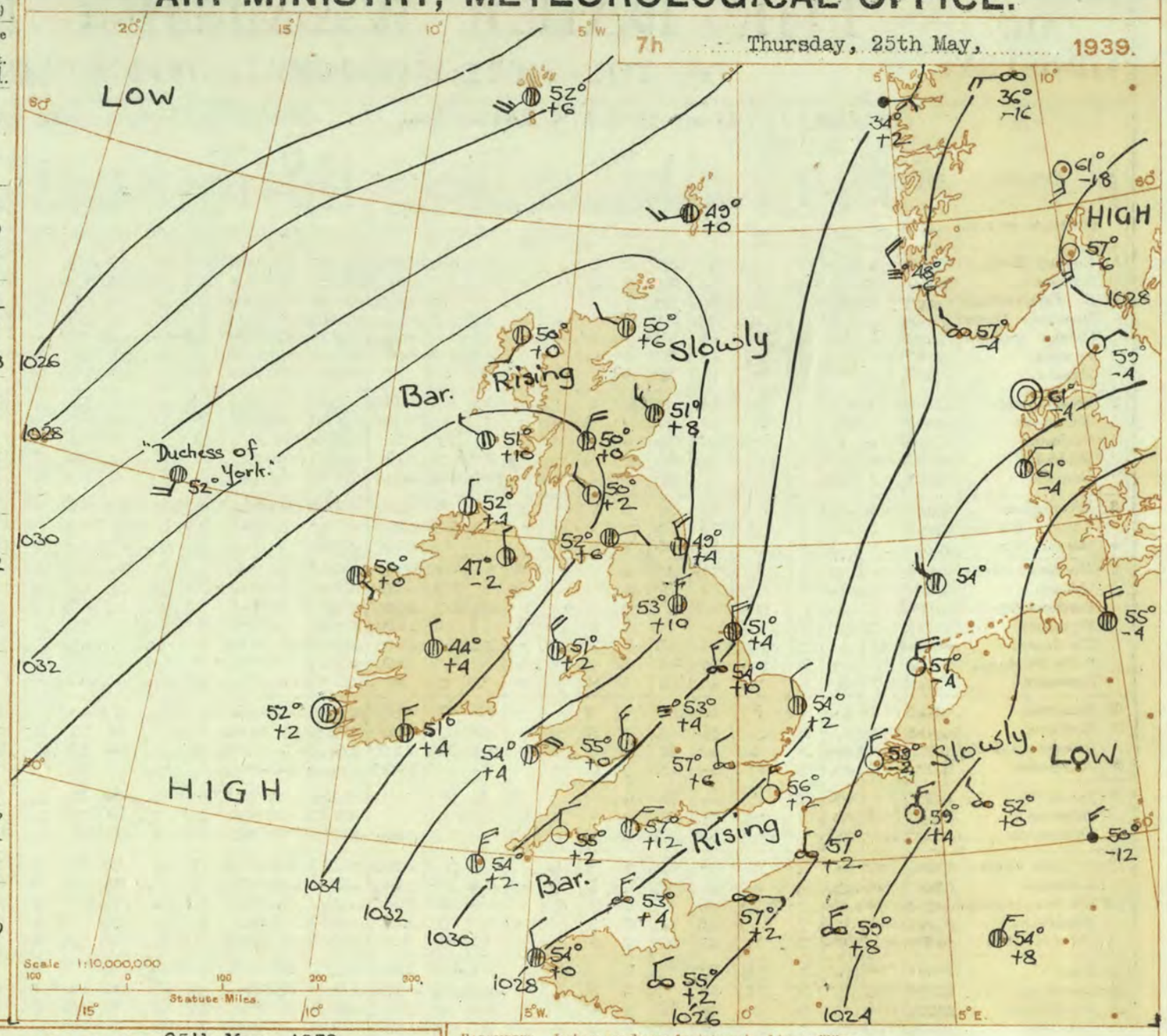
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 24th May 1939.

Districts.	Stations.	Weather: Forenoon.	Weather: Afternoon.	Temperature (°F) Min. 9h. 23rd to 9h. 24th	Temperature Max. 9h.—17h. 24th	Rainfall (mm.) Night. 17h. 23rd to 9h. 24th	Rainfall Day. 9h.—17h. 24th	Sunshine (Hrs.) Sunrise to 17h. 24th	Sunshine Sunrise to Sunset. 23rd
1	Tunbridge W.	b	bbccb	42	76	-	-	11·4	12·1
	Bournemouth	b	b	45	74	-	-	11·1	14·2
	Ventnor ...	bz	b	55	69	-	-	11·3	13·6
	Southsea ...	b	b	48	74	-	-	11·5	10·9
	Bognor Regis	b	b	49	71	-	-	11·8	11·1
	Littlehampton	b	b	48	71	-	-	12·2	11·3
	Worthing ...	b	b	49	72	-	-	12·3	11·5
	Brighton ...	b	b	51	70	-	-	12·2	12·0
	Eastbourne† ...	b	b	51	69	-	-	12·1	9·6
	Hastings† ...	b	bbcb	52	71	-	-	12·3	11·5
	Folkestone ...	m.bb	bbm.	52	70	-	-	11·7	12·0
	Dover ...	b	b	51	73	-	-	11·9	13·4
	Deal	b	b	46	65	-	-	11·9	14·3
	Ramsgate ...	b	b	50	63	-	-	11·7	14·2
	Margate ...	bcb	b	51	62	-	-	11·6	14·8
2	Southend ...	b	b	51	73	Trace	-	12·0	12·5
	Clacton-on-Sea	bz	bz	50	61	-	-	11·5	14·5
	Dovercourt ...	bz	bz	48	65	-	-	12·0	14·7
	Lowestoft ...	b	b	52	63	-	-	12·4	14·8
	Skegness ...	b	b	52	66	-	-	11·8	13·0
	Mablethorpe...	b	b	50	68	-	-	9·7	13·4
	Cleethorpes ...	bc	bc	51	67	-	-	9·2	13·8
3	Leamington S.	b	b	48	74	-	-	11·2	13·5
4	Cheltenham†	zb	b	47	75	-	-	11·2	13·8
5	Bath	b	b	43	73	-	-	12·0	13·2
	Weymouth ...	b	b	45	71	-	-	12·1	14·8
	Jersey ...	b	b	52	73	-	-	12·0	8·8
	Torquay ...	wb	by	46	66	-	-	12·6	14·9
	Falmouth ...	b	b	50	66	-	-	11·3	5·3
	Penzance ...	b	b	48	67	-	-	10·0	7·0
	St. Ives ...								
	Bude... ...	bc	bc	41	61	-	-	11·5	11·3
	Ilfracombe ..	bcbf	fbcb	49	61	-	-	6·7	11·3
6	Aberystwyth	bc	bcc	47	60	-	-	11·2	14·8
7	Llandudno ...	bbc	cbcc	48	62	-	-	8·8	14·3
	Colwyn Bay...	bcc	co	47	59	-	-	7·4	15·0
	Rhyl	b	bbcco	47	62	-	-	9·7	14·9
8	Wallasey ...	b	bbcc	49	62	-	-	10·3	14·6
	Southport ...	mcb	bbcco	43	66	-	-	8·3	14·2
	Blackpool ...	bcb	com.	45	63	-	-	8·6	14·1
	Morecambe ...	bcb	bbc	49	62	-	-	9·5	14·3
9	Ilkley... ...	b	b	47	72	-	-	10·8	13·3
	Harrogate ...	b	bbcc	49	72	-	-	11·1	14·3
10	Berwick-on-T.	bc	cr.o	50	67	-	Trace	9·5	13·0
11	Dunbar ...	cm.	cm.	46	65	-	-	7·4	11·4
12	Troon... ...	ocodd	cbob	52	58	-	Trace	1·5	8·9
	Douglas ...	om id.	c	48	55	0·5	Trace	0·1	0·0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 25th May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind northerly, light to moderate; mainly fair, apart from light local rain at first in East Anglia; cooler than of late.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Wind northerly, moderate to light; fair to fine; average temperature to rather warm.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable winds; mainly fine; local early morning fog; average temperature to rather warm.

GENERAL INFERENCE.

An anticyclone centred over Ireland will persist. Weather will be fine in western and northern districts, but there will be more cloud over most of England with a little light local rain at first in East Anglia. Temperatures will be lower than of late.

FURTHER OUTLOOK.

Continuing fair generally; temperature tending to rise again.

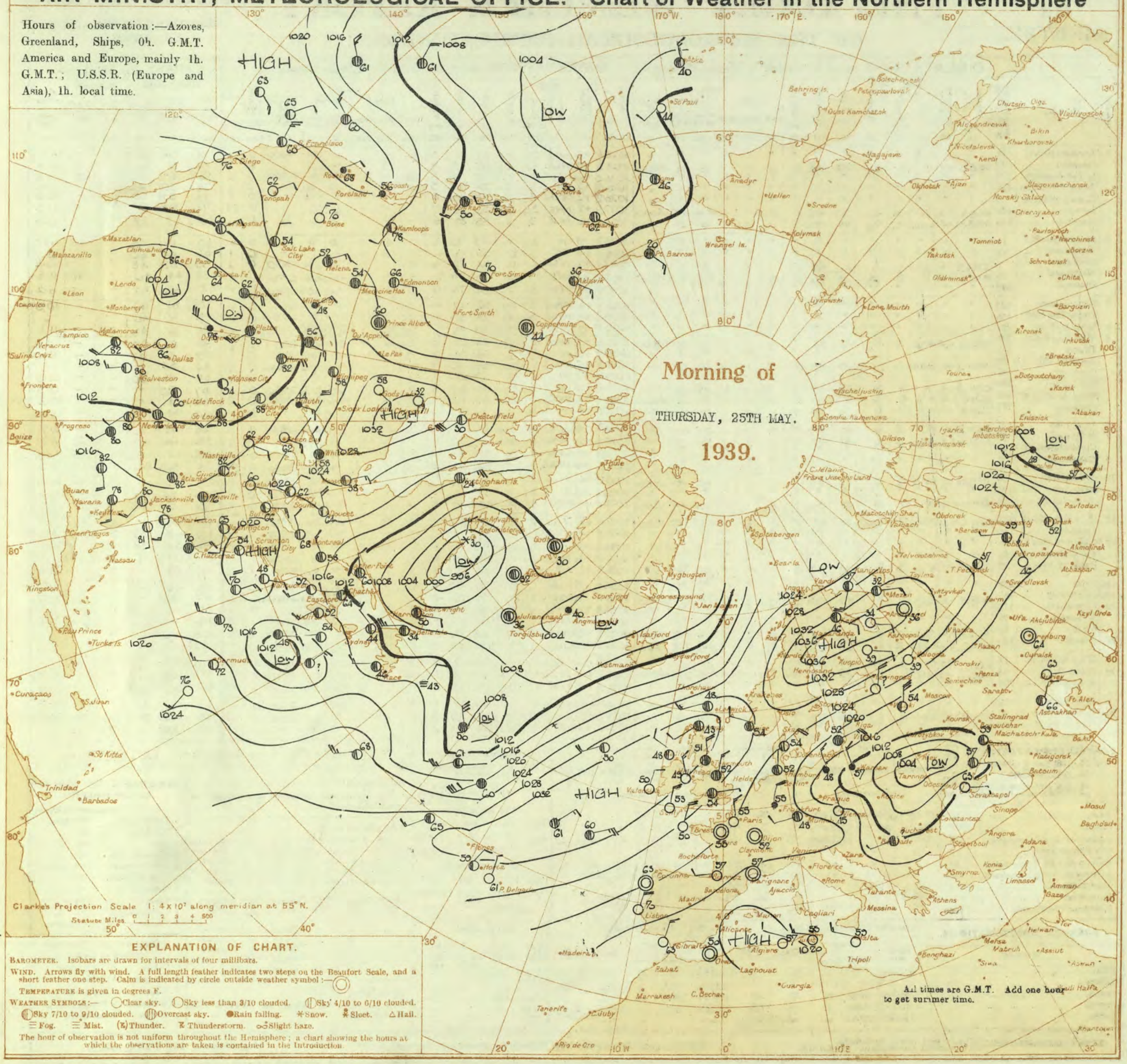
Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 25th May, 1939.

No. 28308.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1028·0	−2	E	1	2o	54	85	6	5	−	−	9	9	5700
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1028·2	−2	N	3	2o	53	65	6	5	−	−	4-6	4-6	4000
	Manston ...	154	1028·0	−4	NNW	2	2o	48	92	5	−	−	−	0	0	—
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1028·2	−6	N'W	2	b	52	85	6	−	−	−	0	0	—
	Mildenhall ...	19	1028·2	+2	E	2	2o	49	85	6	5	−	−	2-3	2-3	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1030·1	−4	NNE	2	f	51	97	3	−	−	−	10	10	<150
	Bristol ...	209				*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1027·9	−10	NNE	3	b	58	85	7	−	−	−	0	0	—
	Plymouth ...	82														
	The Lizard ...	240	1029·4	−2	N	4	b	52	97	6	−	−	−	0	0	—
	Scilly (St. Mary's)	163	1031·1	−6	N'E	4	b	53	97	8	1	−	−	Tr	Tr	4000
	Guernsey ...	175	1028·3	−2	N'E	2	b	54	75	8	−	−	−	0	0	—
6	Pembroke ...	142	1030·8	0	N'E	4	b	50	92	8	−	−	−	0	0	—
7	Holyhead ...	26	1032·6	+2	NNW	3	b	49	92	8	−	−	−	0	0	—
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1029·5	0	NE'N	3	0	52	85	6	5	−	−	10	10	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1031·0	+4	N	4	0	51	92	7	5	−	−	10	10	1500
11	St. Abbs Head	280	1032·6	+10	NW	1	2o	50	85	7	3	2	−	7-8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1032·9	+2	N'W	3	b	49	92	8	−	4	−	0	Tr	—
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1032·9	+6	SSW	2	b	45	85	8	5	−	−	Tr	Tr	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1032·5	+6	SW	2	c	43	92	9	5	7	−	4-6	7-8	2500
16	Lerwick ...	156	1031·0	+2	WSW	3	c	48	92	8	8	7	−	4-6	7-8	1500
17	Blacksod Point	18	1035·1	+14	W	2	b	47	85	8	−	−	−	0	0	—
18	Malin Head ...	84	1035·1	+2	NW	1	bc	48	85	8	1	−	−	2-3	2-3	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1035·3	0	NNE	2	b	50	92	7	−	−	−	0	0	—
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1028·8	+6	NNW	2	2o	57	85	5	5	−	−	9+	9+	4000	0	*
Croydon ...	1028·3	+4	NW	1	2o	59	75	5	−	3	1	0	2-3	−	0	*
S. Farnborough	1028·9	+6	NW	1	2o	53	92	5	5	−	−	9+	9+	4000	0	*
Boscombe Down	1029·5	+2	N	3	2o	54	92	5	5	−	−	10	10	450	0	*
Calshot (Sthmtn.)	1028·2	+2	NNW	3	2o	55	85	5	−	−	2	0	4-6	−	0	1
Lympne ...	1027·6	+2	NNE	3	b	56	75	7	−	−	−	0	0	−	0	§ 1
Manston ...	1028·0	+6	NNE	3	2o	55	85	6	−	−	−	0	0	−	0	*
Shoeburyness ...	1028·2	+8	N	3	2o	57	75	6	−	4	−	0	Tr	−	0	*
Felixstowe ...	1028·4	+6	NE	3	b	55	75	6	−	5	−	0	1	−	0	1
Gorleston ...	1028·1	+2	N'W	2	c	54	75	6	7	−	−	7-8	7-8	2500	0	1
Mildenhall ...	1028·7	+6	N'E	1	2o	50	85	6	5	3	8	4-6	4-6	5700	1	*
Cranwell ...	1030·0	+10	N'W	3	2o	54	75	6	5	2	−	9+	10	2500	1	*
Birmingham ...	1030·7	+4	NNW	3	m	53	92	4	5	−	−	9+	9+	450	0	*
Upper Heyford	1029·3	+2	NNW	3	2o	54	85	5	5	3	−	2-3	9+	450	0	*
Ross-on-Wye	1030·5	0	N'W	3	bc	55	85	7	5	4	−	2-3	4-6	800	0	*
Hartland Point	1029·9	+2	NNE	2	cjf	53	92	5	5	4	−	4-6	7-8	800	0	2
Bristol ...	1030·2	+2	N	3	c	54	92	7	5	−	−	10	10	800	0	*
Portland Bill ...	1028·3	+12	NE	3	bc	57	85	7	1	−	−	4-6	4-6	4000	0	2
Plymouth ...	1029·2	+2	N	2	b	55	85	7	−	−	−	0	0	−	0	1
The Lizard ...	1029·4	+10	N	3	bc	54	97	8	8	−	−	2-3	2-3	2500	0	1
Scilly (St. Mary's)	1030·5	+2	NNE	5	bc	54	92	8	5	4	−	4-6	4-6	1500	0	2
Guernsey ...	1027·8	+4	N	3	2o	53	92	6	−	1	−	0	2-3	−	0	1
Pembroke ...	1031·5	+4	NE'E	4	bc	54	75	8	5	4	−	2-3	2-3	2500	0	2
Holyhead ...	1032·9	+2	NNW	4	bc	51	92	9	−	−	4	0	2-3	−	0	2
Chester (Sealand)	1032·4	+4	WNW	4	c	52	85	8	5	−	−	9	9	2500	0	*
Manchester ...	1031·2	+6	NNW	1	m	55	92	4	5	−	−	10	10	2500	1	*
Spurn Head ...	1030·0	+4	N	4	c	51	97	6	5	−	−	10	10	2500	1	3
Catterick ...	1032·2	+10	N	3	c	53	85	7	5	−	−	10	10	1500	0	*
Tynemouth ...	1032·0	+4	NNW	4	bc	49	92	7	8	3	−	4-6	4-6	2500	0	2
St. Abbs Head	1032·9	+8	NW	2	bc	49	97	7	8	6	−	2-3	4-6	1500	0	1
Leuchars ...	1033·3	+4	NW	1	c	51	75	8	5	−	−	7-8	7-8	4000	0	*
Renfrew (Abbots I.)	1034·1	+2	NW	2	b	50	85	8	5	4	1	Tr	1	4000	0	*
Eskdalemuir ...	1032·6	+6	ENE	2	c	52	75	7	5	−	−	9	9	2500	1	*
Point of Ayre ...	1033·1	+2	N'E	4	bc	51	85	8	2	−	6	Tr	2-3	1500	0	2
Tiree ...	1034·1	+10	NNW	1	bc	51	85	8	1	−	1	1	2-3	4000	0	1
Stornoway ...	1034·1	0	SSW	2	bc	50	75	8	5	−	5	2-3	4-6	4000	1	1
Dalwhinnie ...	1033·8	0	NNE	4	bc	50	65	8	−	5	−	0	2-3	−	0	*
Aberdeen ...	1033·4	+8	NW	3	c	51	85	7	7	3	−	2-3	7-8	4000	1	1
Wick ...	1033·4	+6	WNW	2	bc	50	75	8	1	6	4	1	2-3	2500	0	1
Lerwick ...	1031·5	0	WSW	3	c	49	85	8	5	7	−	4-6	7-8	1500	0	*
Blacksod Point	1035·3	0	SE	1	c	50	92	8	4	−	−	7-8	7-8	2500	1	2
Malin Head ...	1035·2	+4	N	1	bc	52	75	8	8	−	5	4-6	4-6	5700	0	1
Aldergrove ...	1034·5	−2	N'W	1	bc/f	47	97	6	5	−	6	2-3	4-6	220	1	*
Birr Castle ...	1034·8	+4	NNW	1	c	44	97	8	5	4	−	7-8	7-8	2500	0	*
Valentia Obsy. †	1035·2	+2	−	0	bc	52	85	8	1	−	5	Tr	2-3	2500	0	1
Roches Point	1034·2	+4	N	3	bc	51	97	8	−	−	5	0	2-3	−	1	1

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 24 Hrs. (36)
London (Kew)	74	56	45	−	−	11·9
Croydon ...	76	51	44	−	−	13·4
S. Farnborough	76	49	40	−	−	13·6
Boscombe Down	74	50	46	−	−	13·0
Calshot (Sthmtn.)	73	53	50	−	−	13·8
Lympne ...	70	50	42	−	−	14·3
Manston ...	67	47	37	−	−	13·5
Shoeburyness ...	68	47	38	−	−	13·5
Felixstowe ...	63	48	40	−	−	13·7
Gorleston ...	59	49	48	−	−	14·4
Mildenhall ...	77	44	40	−	Tr	11·5
Cranwell ...	74	53	52	−	Tr	8·2
Birmingham ...	73	51	50	−	−	10·5
Upper Heyford	75	50	40	−	−	*
Ross-on-Wye	74	51	46	−	−	11·0
Hartland Point	60	51	49	−	−	11·3
Bristol ...	70	52	47	−	−	12·0
Portland Bill ...	64	54	*	−	−	*
Plymouth ...	68	52	50	−	−	12·3
The Lizard ...	67	50	*	−	−	13·5
Scilly (St. Mary's)	65	51	*	−	−	10·2
Guernsey ...	65	51	48	−	−	13·4
Pembroke ...	58	49	*	−	−	2·7
Holyhead ...	58	48	42	−	Tr	0·0
Chester (Sealand)	68	51	48	−	Tr	10·3
Manchester ...	68	52	51	−	−	9·5
Spurn Head ...	61	50	*	−	Tr	10·1
Catterick ...	73	53	53	−	−	12·1
Tynemouth ...	61	49	48	−	01	10·2
St. Abbs Head	66	47	*	Tr	0·1	*
Leuchars ...	64	43	37	Tr	0·1	4·1
Renfrew (Abbots I.)	60	41	34	Tr	−	4·0
Eskdalemuir ...	61	41	36	Tr	−	0·3
Point of Ayre ...	59	48	*	−	−	3·4
Tiree ...	56	43	36	−	−	10·7
Stornoway ...	59	43	*	Tr	−	9·7
Dalwhinnie ...	59	36	(28)	−	−	6·3
Aberdeen ...	68	42	40	1	0·3	5·6
Wick ...	56	40	*	Tr	−	*
Lerwick ...	53	46	*	Tr	−	2·0
Blacksod Point	59	45	*	−	Tr	*
Malin Head ...	57	46	*	1	−	9·8
Aldergrove ...	61	36	32	1	−	4·4
Birr Castle ...	64	40	35	1	−	7·5
Valentia Obsy. †	59	45	35	−	Tr	13·9
Roches Point	65	49	*	1	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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.w3y	bcz.by	bcwcm.	74	56	45	−	−	11·9	*	*	5
Croydon ...	217	bz.y	bbcby	byz.m.	76	51	44	−	−	13·4	*	*	6
Greenwich (Royal Observatory) ...	149	bz.y	by	bcbzy	75	52	42	−	−	13·3	41	48	6
City (Gunhill Row) ...	—	*	*	*	*	*	*	*	*	11·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	76	58	51	−	−	10·9	47	67	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	77	55	50	−	−	13·0	78	69	*
Camden Square ...	110	b	bc	*	78	57	49	−	−	*	*	63	*
Kensington ...	80	bm	bc	*	77	56	45	−	−	11·5	At 18h 39	67	*
Hampstead Observatory ...	450	b	bc	b	73	54	52	−	−	13·5		71	*

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	7-10h 24th	<0·3	17-19h 24th

Kew Observatory. Max.	Time.	Min.	Time.
0·3	8h 24th	<0·1	15-18h 24th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 24th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 25th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1024·1	NE	2	bc	72	1025·1	N	3	b	59	75	52	−	−
Brussels ...						1025·1	NNE	3	b	59		52		−
Berlin ...	1022·5	NNW	5	rr	48	1017·1	NNE	4	id.	50	68	48	.5	15
Zürich ...	1022·0	NNE	1	b	63	1020·4	SE	1	lr.	48	68	*	−	−
Rome ...	1015·4	WNW	4	id.	63						*	*	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 3, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 26th May, 1939.
No. 28309.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1029.0	+2	N	3	zo	63	65	6	5	-	-	9+	9+	5700
	Croydon ...	1028.0	-2	N	4	zo	66	55	6	5	3	-	4-6	9+	7200
	S. Farnborough	1028.8	+2	N'E	3	c	63	45	7	-	3	-	0	9+	-
	Boscombe Down	1028.4	-8	NE'N	3	zo	67	55	6	1	-	-	2-3	2-3	4000
	Calshot (Soton.)	1028.2	-2	NNE	2	zo	71	45	6	-	3	-	0	4-6	-
	Lympne ...	1027.7	+2	NNE	4	bc	65	45	7	-	3	-	0	4-6	-
	Manston ...	1027.8	-4	NNE	4	b	62	45	7	-	3	-	0	Tr	-
2	Shoeburyness ...	1027.8	-6	N'E	3	b	68	55	7	-	4	9	0	Tr	-
	Felixstowe ...	1027.9	-6	ENE	3	bc	62	45	8	8	3	8	2-3	2-3	4000
	Gorleston ...	1028.2	+2	N'E	5	bc	62	65	6	1	-	-	2-3	2-3	2500
	Mildenhall ...	1029.2	+2	NW'N	4	c	60	75	7	7	3	-	4-6	7-8	4000
	Cranwell ...	1030.8	+2	N'W	3	zo	55	85	6	5	-	-	10	10	800
3	Birmingham ...	1030.8	+2	NNE	3	zo	58	85	5	5	-	-	10	10	1500
	Upper Heyford	1029.9	+4	NE'N	3	c/pr	61	75	6	5	3	-	7-8	9+	1500
4	Ross-on-Wye ...	1029.7	-4	NE	3	zo	63	75	6	5	-	-	10	10	2500
5	Hartland Point	1029.9	+2	NE	3	bc	55	75	8	1	-	-	2-3	2-3	2500
	Bristol ...	1029.8	-4	N'E	3	zo	64	65	6	5	-	-	7-8	7-8	1500
	Portland Bill ...	1028.6	+10	NE	1	b	67	75	7	-	-	-	0	0	-
	Plymouth ...	1028.4	-6	S'W	3	c	60	85	8	2	-	-	7-8	7-8	4000
	The Lizard ...	1028.9	-2	S	2	bc	66	65	7	2	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1030.5	-2	NNE	5	b	57	85	8	-	-	-	0	0	-
	Guernsey ...	1027.7	-2	N	4	zo	60	75	6	-	-	-	0	0	-
6	Pembroke ...	1031.5	-4	NE	5	bcq	59	65	8	5	4	1	2-3	2-3	2500
7	Holyhead ...	1032.5	-2	NNW	3	bc	53	85	9	1	8	6	Tr	4-6	2500
	Chester (Sealand)	1032.5	+2	NNW	3	e	54	85	8	5	-	-	10	10	2500
8	Manchester ...	1031.4	0	SE	1	zo	61	65	6	5	-	-	10	10	2500
10	Spurn Head ...	1030.7	0	N	5	o	52	85	6	5	-	-	10	10	1500
	Catterick ...	1032.5	+2	NE	3	c	57	75	7	8	3	-	4-6	7-8	2500
	Tynemouth ...	1032.7	+2	N	4	bc	53	85	8	2	4	-	2-3	4-6	2500
11	St. Abbs Head...	1033.2	+2	NNE	1	bc	54	84	8	1	9	9	2-3	4-6	2500
	Leuchars ...	1033.5	-2	ESE	3	bc	59	55	8	8	7	6	2-3	4-6	4000
12	Renfrew (AbbotsI.)	1032.4	-6	-	0	zo	69	55	5	1	-	6	4-6	4-6	4000
	Eskdalemuir ...	1031.5	-6	E	1	c	61	45	8	5	-	-	4-6	7-8	2500
	Point of Ayre ...	1032.8	-2	NW	3	bc	59	75	8	1	-	9	Tr	2-3	2500
13A	Tiree ...	1033.9	0	NNW	2	bc	56	65	8	7	-	5	2-3	2-3	2500
13B	Stornoway ...	1033.2	0	W	3	c	57	55	8	5	4	-	7-8	9	4000
15	Dalwhinnie ...	1032.1	-12	-	0	bc	59	45	8	-	5	-	0	4-6	-
	Aberdeen ...	1033.6	+2	E'N	2	c	53	75	8	7	3	8	7-8	9	4000
	Wick ...	1033.0	-2	S	1	c	53	75	8	8	6	6	4-6	7-8	2500
16	Lerwick...	1030.8	-6	WSW	4	c	52	65	8	5	7	1	4-6	7-8	1500
17	Blacksod Point...	1034.4	-4	W	3	bc	56	65	8	2	-	4	4-6	4-6	4000
18	Malin Head ...	1034.7	0	N	1	bc	53	75	8	2	-	2	4-6	4-6	5700
	Aldergrove ...	1033.4	-6	NW'N	2	bc	58	55	9	1	-	4	2-3	2-3	2500
19	Birr Castle ...	1033.7	-6	ENE	1	c	61	55	7	1	-	5	2-3	7-8	2500
20	Valentia Obsy.†	1033.8	-6	W	3	bc	60	65	9	1	-	2	1	4-6	9000
	Roches Point ...	1033.3	-6	E'S	2	bc	59	75	9	1	-	1	2-3	4-6	9000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1029.4	+2	N'E	4	zo	58	74	6	5	-	-	7-8	7-8	1500	0	*
Croydon	1028.6	+4	N'E	4	bc	60	75	6	1	3	-	Tr	4-6	2500	0	*
S. Farnborough	1029.0	0	NNE	3	bc	62	65	7	1	-	-	2-3	2-3	2500	0	*
Boscombe Down	1029.2	+4	NNE	3	zo	64	75	6	1	-	-	2-3	2-3	4000	0	*
Calshot (Soton.)	1028.2	-2	N	3	zo	66	65	6	5	3	6	4-6	9+	4000	0	1
Lympne	1027.8	+2	NNE	4	b	59	55	7	-	-	-	0	0	-	0	§ 3
Manston	1027.6	0	NNE	4	zo	54	85	6	-	-	-	0	0	-	0	*
Shoeburyness	1028.6	+4	ENE	3	bc	58	85	7	2	4	-	4-6	4-6	4000	0	*
Felixstowe	1028.1	+4	N	4	b	60	75	8	1	-	-	Tr	Tr	4000	0	2
Gorleston	1029.1	0	N	4	o	52	85	5	5	-	-	10	10	1500	0	2
Mildenhall	1029.9	+6	N	4	zo	52	85	6	5	-	-	10	10	800	0	*
Cranwell	1031.4	+6	NNE	3	c	55	85	7	5	7	-	7-8	9	2500	0	*
Birmingham	1031.0	0	NNE	3	zo	58	75	5	5	-	-	7-8	9+	1500	0	*
Upper Heyford	1030.3	+6	N'E	2	zo	59	75	6	5	7	-	7-8	9+	1500	0	*
Ross-on-Wye	1030.0	0	NE'N	3	zo	61	75	5	5	-	-	10	10	800	0	*
Hartland Point	1029.7	+2	N	2	bc	56	75	8	4	-	-	2-3	2-3	2500	0	2 *
Bristol	1029.6	0	N'E	3	zo	63	75	6	5	-	-	4-6	4-6	2500	0	
Portland Bill	1028.3	+10	W	1	c	63	75	7	5	-	-	7-8	7-8	2500	0	2
Plymouth	1028.7	+2	-	0	zo	59	85	6	2	-	-	9+	9+	2500	0	1
The Lizard	1028.4	-4	N	4	bc	64	65	7	7	4	-	2-3	4-6	2500	0	1
Scilly (St. Mary's)	1030.2	-2	NNE	5	b	55	85	8	-	-	3	0	1	-	0	3
Guernsey	1027.7	0	NNE	2	zo	62	65	6	-	-	-	0	0	-	0	2
Pembroke	1030.6	-4	NE'E	4	bc	56	65	8	7	6	2	2-3	4-6	4000	0	2
Holyhead	1031.6	-10	N'W	3	bc	52	85	8	-	4	1	0	2-3	-	0	1
Chester (Sealand)	1032.0	-2	WNW	3	e	54	85	8	5	-	-	9	9	4000	0	*
Manchester	1031.1	+2	ENE	3	zo	61	65	6	5	-	-	9+	9+	4000	1	*
Spurn Head	1031.1	0	NNE	5	bc	52	85	6	-	-	5	0	2-3	-	0	4
Catterick	1032.5	-6	ENE	2	zo	56	65	6	-	4	-	0	2-3	-	0	*
Tynemouth	1032.7	-4	NNE	3	bc	53	75	8	2	3	-	2-3	4-6	2500	1	1
St. Abbs Head	1032.4	-4	SE	3	bc	54	65	8	1	4	1	2-3	2-3	2500	0	1
Leuchars	1032.6	-10	E	3	b	54	75	9	-	4	-	0	Tr	-	0	*
Renfrew (AbbotsI.)	1031.4	-6	NNW	3	bc	62	55	8	1	6	-	2-3	2-3	5700	0	*
Eskdalemuir	1031.0	-6	ESE	2	bc	59	55	8	5	-	-	4-6	4-6	2500	0	*
Point of Ayre	1031.8	-6	NNW	3	b	56	85	8	-	-	6	0	1	-	0	2
Tiree	1032.7	-10	W'N	2	bc	52	75	8	1	3	-	1	4-6	4000	0	1
Stornoway	1031.7	-10	SSW	2	c	53	65	9	5	4	8	2-3	7-8	2500	0	1
Dalwhinnie	1031.4	-10	N	2	bc	61	95	8	5	6	-	4-6	4-6	4000	0	*
Aberdeen	1032.9	-8	ESE	1	c	51	75	7	5	-	9	7-8	7-8	4000	0	1
Wick	1032.4	-2	SE	2	c	51	85	8	8	7	8	4-6	7-8	1500	0	1
Lerwick	1030.5	-2	W'S	4	c	51	75	8	8	7	-	4-6	7-8	1500	0	*
Blacksod Point	1032.9	-14	W	3	c	55	65	9	4	-	3	2-3	7-8	4000	0	1
Malin Head	1033.6	-8	N	1	bc	52	75	8	1	-	9	1	4-6	5700	0	2
Aldergrove	1032.4	-8	NNW	2	b	59	55	8	1	-	1	Tr	Tr	2500	0	*
Birr Castle	1032.2	-8	NNW	1	c	62	55	7	5	-	5	2-3	9	2500	0	*
Valentia Obsy.†	1032.9	-6	NW	3	bc	59	55	9	-	-	2	0	2-3	-	0	1
Roches Point	1032.0	-10	WSW	3	bc	57	85	9	-	-	5	0	4-6	-	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 25th (37)	13h.—18h. 25th (38)	18h. 25th to 1h. 26th (39)	1h.—7h. 26th (40)
London (Kew)	czo	cpromocmo	cmoc	cbcbmo
Croydon	bcczo	czoybczo	czoomo	omocbc
S. Farnborough	bmob,cy	cyzobc	bcc	cbcb
Boscombe Down	cmobcmo	bcmobmo	bmobcmo	bcmobmo
Calshot (Soton.)	cmobcmoy	bcycmo	cmobmo	cmobmo
Lympne	bzoby	bczoby	byb,cmo	cidomo
Manston	bmobcy	bybcbzo	b,oidomo	ododocmo
Shoeburyness	bzocby	bbcybc	bcc	cbcw
Felixstowe	bmocbv	bcycmob	boiroido	piroc
Gorleston	cbcyzo	bcczo	oz idocq	cq
Mildenhall	bcczo	czocmo	cmoidocbc	bcbmoffe
Cranwell	omo	omozoc	bwmo	bwmo
Birmingham	cm	c	cb	bf
Upper Heyford	cmobcmocpr	cmozo	bcmo	bcmobfb
Ross-on-Wye	bccczo	czoz	czbz	bfwbm
Hartland Point	fcbc	bc	bccbc	bcc
Bristol	cmobcc	cbccbczo	bczobm	bmfwc
Portland Bill	bcb	bc	bbc	bcbc
Plymouth	bbcc	ccmo	c,bmo	bmow
The Lizard	bc	bcbbc	bc	bc
Scilly (St. Mary's)	bcc	b	bbc	bcb
Guernsey	bcbz.	bz	bzbc	bccm
Pembroke	bcq	bc	bc	cbcmo
Holyhead	bbc ⊕	bcb ⊕	bw	bwc
Chester (Sealand)	bccdoc	c	cbcw	bbcmow
Manchester	cmromo	cmozo	cbczo	bmom
Spurn Head	como	ocbc	bcbw	bcwc
Catterick	c	cbcyb	bzom	bfbcmo
Tynemouth	bc	bc	bc	bcm
St. Abbs Head	bc	bc	bc	bc
Leuchars	cbcy	bcyb	bbcbw	bwbcjf
Renfrew (AbbotsI.)	bczoy	bczobcy	bcybcw	bcwmo⊕
Eskdalemuir	cbc	bcy	bcybc	bccmo
Point of Ayre	bc	bcb	b	bbcw
Tiree	bc	bc	bcw	bcc
Stornoway	bccy	c	c	cror o
Dalwhinnie	bc	bc	•	bcc
Aberdeen	cbcc	cbc	bc	bcbbc
Wick	bcc	c	cbc	bcc ⊕
Lerwick	c	c	cbc	bcc
Blacksod Point	bc	bc	bc	bcq
Malin Head	bccbc	bccbc	bc	bcc
Aldergrove	bcmocbcy	bcyby	bycb	bbcc
Birr Castle	cy	cy	cb	bbcc
Valentia Obsy.†	bbc	bcy	bcyb	bw
Roches Point	bc	bc	bcbw	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). gale.
⊕ Solar halo. ⦶ lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations :—
Cirrus,–Ci : Cirrocumulus,–Cc : Cirrostratus,–Cs : Altocumulus,–Ac : Altostratus,–As : Stratocumulus,–Sc : Stratus,–St : Nimbostratus,–Ns : Cumulus,–Cu : Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

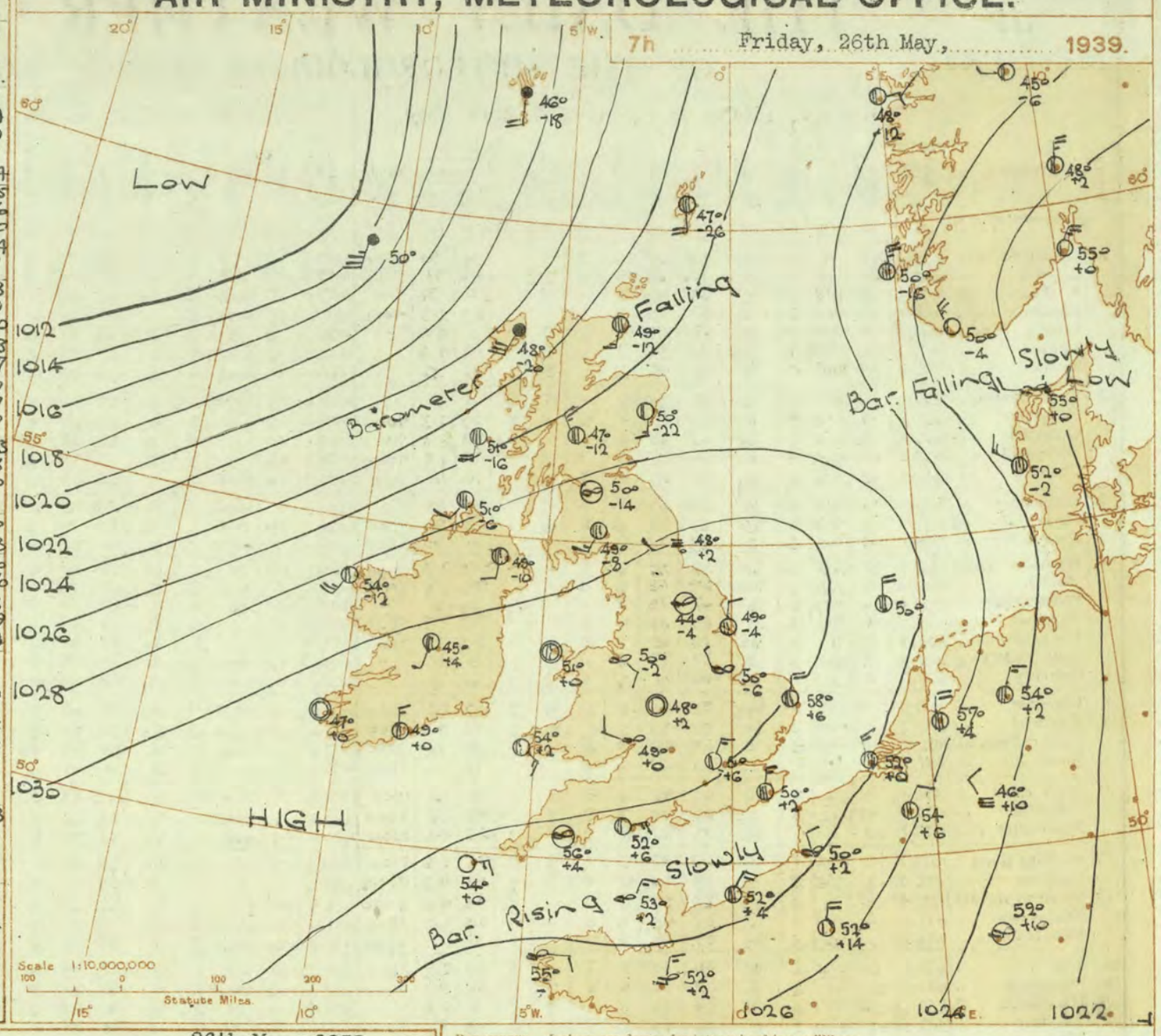
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 25th May 1939.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 24th to 9h. 25th	Temperature. (°F) Max. 9h.—17h. 25th	Rainfall. (mm.) Night. 17h. 24th to 9h. 25th	Rainfall. (mm.) Day. 9h.—17h. 25th	Sunshine. (Hrs.) Sunrise to 17h. 25th	Sunshine. (Hrs.) Sunrise to Sunset. 24th
1	Tunbridge W.	b	bbcc	45	70	-	-	9.6	12.7
	Bournemouth	b	becb	51	71	-	-	8.5	12.4
	Ventnor ...	bcez	cbcz	53	70	-	-	4.8	12.9
	Southsea ...	cbc	bcc	54	71	-	-	2.8	13.1
	Bognor Regis	bc	co	52	68	-	-	2.5	13.4
	Littlehampton	bcc	c	50	69	-	-	2.0	13.5
	Worthing ...	bcz	c	54	69	-	-	4.3	13.6
	Brighton ...	bc	bc	53	71	-	-	5.8	13.0
	Eastbourne† ...	bybc	bcyc	51	69	-	-	10.3	13.4
	Hastings† ...	bbc	bbc	52	70	-	-	11.0	14.1
	Folkestone ...	b	b	52	69	-	-	12.0	13.8
	Dover ...	b	bbc	52	68	-	-	12.3	13.9
	Deal	b	b	48	65	-	-	12.2	14.0
	Ramsgate ...	b	b	50	63	-	-	12.1	13.8
	Margate ...	bcb	bbc	52	59	-	-	12.3	13.7
2	Southend ...	cbc	bbc	51	*	-	-	8.1	13.7
	Clacton-on-Sea	cbc	bcz	49	65	-	-	9.6	13.7
	Dovercourt ...	bce	bc	49	69	-	-	10.9	13.7
	Lowestoft ...	cbcb	bbcor	46	60	-	Trace	6.8	14.3
	Skegness ...	o	o	50	53	-	-	0.0	12.8
	Mablethorpe...	op	o	51	52	0.3	-	0.0	10.0
	Cleethorpes ...	oc	cb	51	54	1	-	0.3	9.3
3	Leamington S.	co	o	53	62	-	-	0.8	12.6
4	Cheltenham†	cz	cbccz	52	68	-	-	2.7	12.8
5	Bath	cbcc	cbcc	52	69	-	-	3.0	13.6
	Weymouth ...	b	bc	54	72	-	-	9.0	13.6
	Jersey ...	b	b	54	69	-	-	11.5	13.8
	Torquay ...	b	byzo	52	70	-	-	12.1	13.9
	Falmouth ...	b	b	52	69	-	-	9.8	13.1
	Penzance ...	cbcb	b	53	68	-	-	7.9	11.9
	St. Ives ...								
	Bude... ...	b	b	52	66	-	-	10.6	12.9
	Ilfracombe ...	bcb	b	49	69	-	-	11.2	7.3
6	Aberystwyth	wbc	bcc	47	60	-	-	10.0	11.2
7	Llandudno ...	b	bbcb	49	57	-	-	11.5	8.8
	Colwyn Bay...	b	bbc	48	58	-	-	11.3	7.4
	Rhyl	bcb	bbc	50	58	-	-	9.3	9.7
8	Wallasey ...	c	cbc	51	57	-	-	2.5	10.3
	Southport ...	ocbcz	bcz	50	63	Trace	-	3.2	8.3
	Blackpool ...	cmo	bcbbc	50	61	-	-	3.6	8.6
	Morecambe ...	cbc	bc	53	61	-	-	5.2	9.8
9	Ilkley... ...	c	bc	53	62	-	-	2.2	11.4
	Harrogate ...	c	cbc	52	60	-	-	1.7	11.1
10	Berwick-on-T.	bcb	bco	48	54	-	-	9.5	9.5
11	Dunbar ...	bc	bc	46	55	-	-	9.9	7.4
12	Troon... ...	bbc	bcb	42	58	-	-	11.8	3.8
	Douglas ...	b	b	46	61	-	-	11.7	1.3

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th May, 1939.
1 S.E. England 2 E. England ...	Wind northerly moderate to light; fine; average temperature by day, rather cool at night.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Wind variable, light; fine; local early morning fog; rather warm to average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind southwest to west, moderate to fresh; fair; rather warm.
13 A. W. Scotld. B.N.W.Scotland.	Wind southwest to west, fresh to strong locally, moderating later; mainly cloudy; some occasional rain, mostly light, near the coast; average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	
17 N. W. Ireland 18 N. E. Ireland	As 11 13A.
19 S. E. Ireland 20 S. W. Ireland	Wind light, variable; fine; local morning fog; rather warm.

GENERAL INFERENCE.

An anticyclone centred southwest of Ireland extends across England and is expected to persist. A depression between Iceland and Scotland will move east-northeast. Weather will be fine over most of the country but with more cloud in the North and some light rain near the extreme north and northwest seaboard.

FURTHER OUTLOOK.

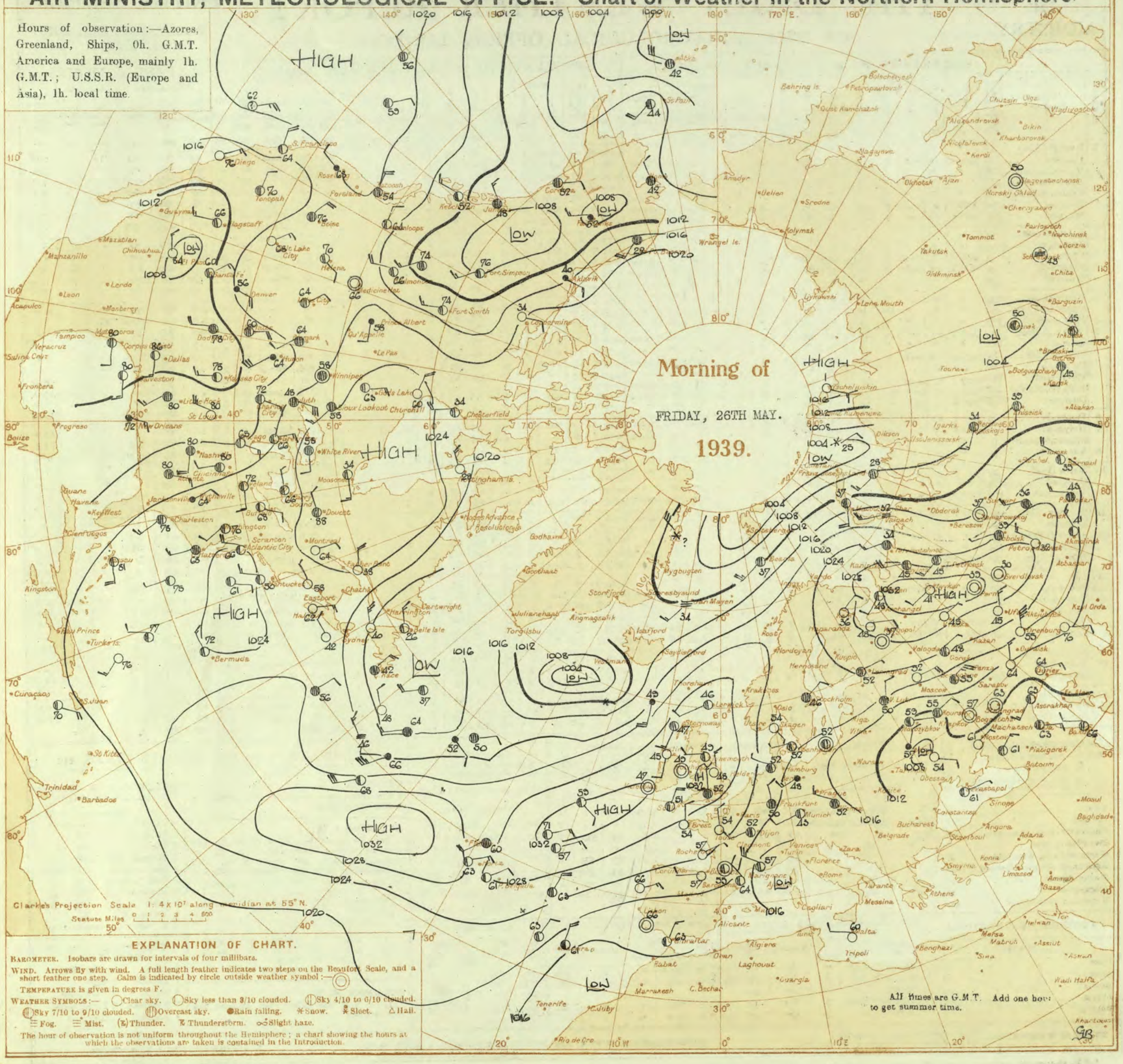
Continuing fair to fine in most areas; temperature rising.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 26th May, 1939.
No. 28309.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1030.0	+2	N'E	3	o	52	85	6	5	-	-	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1028.7	0	NNE	5	z₀	50	92	5	5	-	-	10	10	220
	Manston	154	1029.5	+2	N	4	d₀d₀	50	97	5	5	-	-	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1029.4	-2	N'E	4	c/d	51	85	7	5	-	-	9	9	2500
	Mildenhall	19	1030.6	+2	NW'N	2	bc	47	92	7	5	-	-	2-3	2-3	1500
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1030.2	+2	NE	3	bc	56	85	7	5	-	-	2-3	2-3	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1029.6	+6	ENE	3	bc	55	85	8	5	-	-	2-3	2-3	2500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1029.7	0	NE'N	3	bc	56	85	7	1	-	-	1	2-3	2500
	Scilly (St. Mary's)	163	1030.6	+2	NNE	4	bc	51	92	8	5	3	3	2-3	4-6	2500
	Guernsey	175	1028.8	0	NE'E	4	bc	53	92	7	-	3	-	0	4-6	-
6	Pembroke	142	1031.1	+2	E	2	bc	51	75	8	7	-	-	4-6	4-6	2500
7	Holyhead	26	1030.9	-8	-	0	b	49	92	8	5	-	-	1	1	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1031.3	0	N	3	b	48	92	7	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1031.9	-6	W	2	bc	49	85	6	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1031.1	-10	SSE	3	bc	45	85	8	1	4	-	1	2-3	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1031.3	0	W	2	b	42	97	8	-	-	5	0	1	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1028.5	-22	SSW	3	c	47	85	8	5	7	-	4-6	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1029.3	-24	SSE	3	bc	48	92	7	5	4	-	2-3	4-6	1500
16	Lerwick	156	1030.5	-6	SW	2	bc	46	92	8	8	3	-	4-6	4-6	1500
17	Blacksod Point	18	1030.3	-10	-	0	b	50	75	8	-	-	-	0	0	-
18	Malin Head	84	1030.6	-20	S	2	b	45	85	8	-	-	-	0	0	-
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1032.1	-6	-	0	b	47	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1030.4	-2	NNE	3	z₀	51	85	6	5	-	-	Tr	Tr	4000
Croydon	1030.1	+6	NE'N	3	bc	51	85	7	5	-	-	2-3	2-3	1500
S. Farnborough	1030.1	+2	NNE	2	b	50	75	8	-	3	-	0	Tr	-
Boscombe Down	1030.7	-2	N	3	z₀	50	85	7	-	-	-	0	0	-
Calshot (Sthmtn.)	1029.7	-2	N'E	2	z₀	53	85	7	1	-	-	Tr	Tr	1500
Lympne	1029.3	+2	NNE	3	c	50	85	7	5	-	-	10	10	1500
Manston	1029.3	+2	N'E	4	c	51	75	7	5	-	-	9	9	1500
Shoeburyness	1029.7	+6	N	3	bc	53	75	8	5	4	-	4-6	4-6	2500
Felixstowe	1029.8	+2	N'E	3	c	50	85	8	5	-	-	9	9	1500
Gorleston	1029.5	+6	N'E	4	c	58	75	7	5	-	-	7-8	7-8	2500
Mildenhall	1030.3	+2	NW	1	o/f	45	97	4	5	-	-	10	10	450
Cranwell	1030.6	-6	NW	1	z₀	50	75	5	-	-	1	0	Tr	-
Birmingham	1031.1	+2	-	0	bf	48	85	3	-	3	-	0	1	-
Upper Heyford	1030.8	-2	-	0	b	49	85	7	-	-	1	0	Tr	-
Ross-on-Wye	1031.1	0	WNW	2	z₀	49	85	6	-	-	1	0	1	-
Hartland Point	1029.6	+8	ESE	4	c	55	75	7	5	1	-	4-6	10	1500
Bristol	1031.0	+2	E'N	2	c/f	46	97	5	5	-	-	7-8	7-8	450
Portland Bill	1029.9	+6	ENE	3	bc	52	85	7	5	-	-	4-6	4-6	4000
Plymouth	1030.0	+4	-	0	z₀	56	85	5	-	-	-	0	0	-
The Lizard	1029.7	0	E	3	bc	56	92	7	7	-	-	2-3	2-3	2500
Scilly (St. Mary's)	1029.7	0	ENE	3	b	54	97	6	-	-	-	0	0	-
Guernsey	1028.9	+2	NE	3	z₀	53	85	6	5	2	-	9	10	800
Pembroke	1030.7	+2	SE	3	bc	54	85	6	5	4	-	1	2-3	2500
Holyhead	1030.2	0	-	0	bc	51	92	8	5	-	-	4-6	4-6	2500
Chester (Sealand)	1030.8	-2	SE	2	z₀	50	75	6	8	-	-	4-6	4-6	2500
Manchester	1031.0	+2	ESE	1	m	48	85	4	-	-	-	0	0	-
Spurn Head	1030.6	-4	N	2	bc	49	92	6	5	-	6	1	4-6	4000
Catterick	1030.6	-4	-	0	z₀	44	92	6	5	-	-	4-6	4-6	2500
Tynemouth	1030.1	+2	WSW	2	m	48	85	4	5	-	-	4-6	4-6	800
St. Abbs Head	1028.3	-24	SE	3	bc	51	75	8	-	4	-	0	2-3	5700
Leuchars	1028.0	-14	WSW	2	byf	48	92	6	-	4	8	0	4-6	-
Renfrew (Abbots I.)	1028.7	-14	-	0	z₀	50	85	6	5	-	8	Tr	4-6	5700
Eskdalemuir	1029.3	-8	SW'S	3	c	49	75	6	5	-	-	9	9	1500
Point of Ayre	1029.8	-2	WNW	2	bc	51	92	8	-	-	8	0	4-6	-
Tiree	1025.9	-16	S	4	c	51	85	7	5	-	-	9+	9+	1500
Stornoway	1023.2	-20	SSW	6	r₀r₀	48	85	6	8	-	-	10	10	1500
Dalwhinnie	1027.2	-12	NW	5	c	47	76	8	4	1	-	2-3	10	2500
Aberdeen	1026.4	-22	S	3	bc	50	85	6	1	-	6	Tr	2-3	2500
Wick	1029.5	-12	SSW	3	c	49	92	8	5	1	8	4-6	10	1500
Lerwick	1025.5	-26	S	4	c	47	85	8	5	7	-	4-6	9+	1500
Blacksod Point	1028.4	-12	SW	5	bc	59	85	8	8	-	-	4-6	4-6	2500
Malin Head	1027.9	-6	SW	2	c	51	75	8	5	-	-	9+	9+	5700
Aldergrove	1029.2	-10	S'W	2	c	49	75	8	-	7	-	0	10	-
Birr Castle	1030.9	+4	SSW	1	c	45	97	7	5	5	5	2-3	9	2500
Valentia Obsy. †	1031.8	0	-	0	b	47	92	9	1	-	1	Tr	1	2500
Roches Point	1031.1	0	N	3	bc	49	97	7	-	-	5	0	2-3	-

PAST 24 HOURS.

Stations	State of Ground 0–9 (29)	Sea 0–9 (30)	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 25th Hrs. (36)
London (Kew)	0	*	64	47	42	Tr	-	0.9
Croydon	0	*	66	48	45	-	-	3.6
S. Farnborough	0	*	66	47	42	-	-	1.3
Boscombe Down	0	*	69	45	40	-	-	8.1
Calshot (Sthmtn.)	0	2	72	50	49	-	-	7.4
Lympne	0	§3	66	49	48	-	Tr	13.5
Manston	1	*	63	48	48	-	Tr	13.5
Shoeburyness	0	*	69	49	48	-	-	9.2
Felixstowe	0	2	67	48	48	-	Tr	11.4
Gorleston	0	3	62	49	47	-	Tr	5.1
Mildenhall	1	*	65	39	35	-	Tr	6.6
Cranwell	0	*	59	42	39	-	-	0.4
Birmingham	0	*	59	45	32	-	-	0.0
Upper Heyford	0	*	63	42	33	Tr	-	*
Ross-on-Wye	0	*	64	42	31	-	-	0.9
Hartland Point	0	2	57	53	50	-	-	10.7
Bristol	0		67	43	35	-	-	5.0
Portland Bill	0	2	67	50	*	-	-	*
Plymouth	0	0	68	53	41	-	-	8.0
The Lizard	0	1	68	53	*	-	-	13.3
Scilly (St. Mary's)	0	2	58	50	*	-	-	9.9
Guernsey	0	1	63	50	47	-	-	13.2
Pembroke	0	1	61	49	*	-	-	13.0
Holyhead	0	0	55	47	33	-	-	14.8
Chester (Sealand)	0	*	57	45	40	Tr	-	0.6
Manchester	0	*	64	36	32	Tr	-	0.4
Spurn Head	1	1	53	45	*	-	Tr	2.5
Catterick	0	*	59	35	32	-	-	6.2
Tynemouth	1	0	54	44	40	-	-	11.4
St. Abbs Head	0	2	58	44	*	-	-	*
Leuchars	1	*	59	41	34	-	-	11.7
Renfrew (Abbots I.)	0	*	64	41	36	-	-	11.0
Eskdalemuir	1	*	65	36	31	-	-	5.8
Point of Ayre	0	1	60	40	*	-	-	14.8
Tiree	0	3	56	49	36	-	-	12.9
Stornoway	1	3	58	46	*	-	0.2	3.9
Dalwhinnie	0	*	65	43	37	-	-	9.5
Aberdeen	0	1	58	44	36	-	-	6.2
Wick	0	1	55	46	*	-	-	*
Lerwick	0	*	53	45	*	-	-	14.4
Blacksod Point	0	3	57	44	*	-	-	*
Malin Head	0	2	54	43	*	-	-	13.3
Aldergrove	0	*	61	39	35	-	-	12.8
Birr Castle	0	*	69	39	31	-	-	10.6
Valentia Obsy. †	0	1	61	40	35	-	Tr	19.2
Roches Point	0	1	60	46	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	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	cz₀	cp̄m₀cm₀	cm₀cbcbm₀	64	47	42	Tr	-	0.9	*	*	7
Croydon	217	bccz₀	cz₀ybcz₀	cz₀mcbc	66	48	45	-	-	3.6	*	*	7
Greenwich (Royal Observatory)	149	bcy	cy	cb	67	47	44	-	-	5.9	75	56	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.7	*	*	*
Westminster (St. James' Park)	27	*	*	*	68	48	45	—		2.0	77	59	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	67	47	45	-	-	1.7	82	54	*
Camden Square	110	o	c	*	66	47	45	-	-	*	*	58	*
Kensington	80	bc	c	*	66	47	42	Tr	-	2.1	At 18h 83	59	*
Hampstead Observatory	450									2.1	*		*

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 whole period			

Kew Observatory			
Max.	Time.	Min.	Time.
0.1	9h 25th	<0.1	0-4h 26th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 25th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 26th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1023.1	NNE	4	bc	68	1027.0	NNE	4	b	52	73	48	-	-
Brussels	1023.5	NE	5	bc	66	1026.6	NE	2	c	54	72	50	-	-
Berlin	1019.2	N	4	c	50						54		Tr	
Zürich	1021.5	SSW	2	c/r	48	1021.9	SSE	1	o	46	50	45	6	Tr
Rome	1015.1	S	3	bc	64	1013.9	SSE	6	c	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 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22—Code for surface visibility.

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

COLUMN 30—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 7 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 27th May, 1939.
No. 28310.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1028·9	−10	N	2	b	62	45	8	–	–	–	0	0	–
	Croydon	1028·7	−8	NE	3	b	63	45	7	–	–	–	0	0	–
	S. Farnborough	1028·6	−10	NW	2	b	65	35	8	–	–	–	0	0	–
	Boscombe Down	1029·2	−12	NW	2	b	64	55	7	–	–	–	0	0	–
	Calshot (Soton.)	1029·0	−6	NNE	2	b	65	45	8	1	–	8	Tr	1	2500
	Lympne ...	1028·6	−6	NNE	3	bc	58	55	8	1	4	–	1	2-3	2500
	Manston ...	1029·3	−4	NE	2	b	55	75	7	1	–	–	Tr	Tr	2500
2	Shoeburyness ...	1029·0	−8	ESE	3	bc	57	75	8	1	–	–	2-3	2-3	4000
	Felixstowe ...	1029·3	−2	SE	3	b	57	75	8	1	–	–	Tr	Tr	2500
	Gorleston ...	1029·3	−4	NNE	3	b	54	65	7	1	–	–	Tr	Tr	4000
	Mildenhall ...	1028·3	−10	N	2	b	62	45	9	–	–	1	0	Tr	–
	Cranwell ...	1028·6	−14	–	0	b	64	55	7	1	–	–	Tr	Tr	2500
3	Birmingham ...	1028·8	−14	WNW	2	bc	64	45	7	1	–	–	2-3	2-3	4000
	Upper Heyford	1029·1	−12	NNW	1	bc	65	55	7	–	4	5	0	2-3	–
4	Ross-on-Wye ...	1028·6	−10	NW	2	b	66	55	7	1	–	1	Tr	Tr	4000
5	Hartland Point	1029·5	−8	WNW	2	bc	59	75	7	5	–	–	4-6	4-6	1500
	Bristol	1029·3	−14	ESE	2	b	66	55	8	1	–	8	Tr	1	2500
	Portland Bill ...	1029·7	−2	SW	1	b	54	85	7	–	–	–	0	0	–
	Plymouth ...	1029·7	−2	SSW	3	b	57	85	7	1	–	–	Tr	Tr	4000
	The Lizard ...	1029·9	0	ESE	1	bc	61	85	7	7	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1030·3	+2	SE	2	z	62	85	6	4	–	–	4-6	4-6	4000
	Guernsey ...	1029·3	−2	EN	3	bc	57	75	6	1	4	–	1	2-3	2500
6	Pembroke ...	1030·3	−2	SWS	1	b	56	85	6	–	1	1	0	Tr	–
7	Holyhead ...	1028·9	−8	SSW	3	c	60	55	9	1	4	–	Tr	9+	4000
	Chester (Sealand)	1028·7	−10	NWN	4	bc	62	65	7	1	5	–	Tr	4-6	2500
8	Manchester ...	1028·1	−14	WNW	4	bc	65	65	7	1	–	–	2-3	2-3	4000
10	Spurn Head ...	1028·8	−10	SES	3	bc	55	75	7	–	–	3	0	4-6	–
	Catterick ...	1026·7	−18	SW	4	c	65	55	7	1	–	6	Tr	7-8	4000
	Tynemouth ...	1026·0	−12	W	3	c	59	75	6	2	–	–	7-8	7-8	1500
11	St. Abbs Head...	1024·0	−20	WSW	3	c	63	75	7	1	1	–	2-3	10	2500
	Leuchars ...	1024·0	−16	WSW	5	ir	58	65	7	5	2	–	7-8	10	2500
12	Renfrew (Abbotsl.)	1026·0	−8	SWW	4	c	56	75	8	7	7	–	4-6	10	2500
	Eskdalemuir ...	1025·4	−10	SWS	5	pr	58	55	8	7	7	6	2-3	9	2500
	Point of Ayre ...	1027·8	−12	W	5	c	65	55	8	1	–	9	Tr	9+	4000
13A	Tiree	1021·8	−12	SWS	5	rr	52	97	5	–	2	–	10	10	450
13B	Stornoway ...	1017·4	−24	SSW	8	rr	50	92	6	8	–	–	10	10	1500
15	Dalwhinnie ...	1023·1	−20	W	6	c	32	65	8	5	1	–	4-6	10	2500
	Aberdeen ...	1022·9	−10	SSW	3	r r	55	75	6	6	2	–	7-8	10	1500
	Wick	1020·9	−20	S	3	c/r	48	97	8	5	2	–	9	10	1500
16	Lerwick... ...	1020·5	−18	SW	5	ir	47	85	8	6	2	–	7-8	10	800
17	Blacksod Point...	1027·4	0	SW	6	c	56	85	8	5	–	–	10	10	1500
18	Malin Head ...	1025·4	−10	9	5	c	57	65	8	5	–	–	9	9	5700
	Aldergrove ...	1027·2	−10	SWS	4	c	58	65	8	5	7	–	7-8	9+	5700
19	Birr Castle ...	1029·1	−6	WSW	2	c	63	65	7	5	7	2	4-6	9+	2500
20	Valentia Obsy.†	1021·4	0	W	3	bc	58	75	9	1	3	2	2-3	4-6	2500
	Roches Point ...	1030·1	−6	SW	3	bc	59	85	9	1	–	5	1	4-6	4000

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)...	1027·5	−8	N	2	b	67	45	8	–	–	1	0	1	–	0	*
	Croydon	1027·3	−6	N	2	b	66	45	7	–	–	1	0	Tr	–	0	*
	S. Farnborough	1027·3	−8	NWW	2	b	67	45	8	–	–	1	0	Tr	–	0	*
	Boscombe Down	1027·8	−8	NWN	2	b	66	55	7	–	–	1	0	1	–	0	*
	Calshot (Soton.)	1028·1	−4	SWS	3	bc	59	75	7	–	–	5	0	2-3	–	0	2
	Lympne ...	1028·2	0	ESE	2	b	53	85	7	1	–	1	Tr	Tr	4000	0	§ 2
	Manston ...	1028·0	−4	E	1	b	52	75	7	–	–	1	0	Tr	–	0	*
2	Shoeburyness ...	1028·4	−4	ESE	3	b	53	75	8	–	–	1	0	Tr	–	0	*
	Felixstowe ...	1028·7	−2	SE	3	bc	53	75	9	–	–	1	0	2-3	–	0	2
	Gorleston ...	1027·4	−12	SEE	2	bc	53	75	7	–	4	–	0	2-3	–	0	2
	Mildenhall ...	1026·9	−10	–	0	bc	65	45	9	–	3	5	0	2-3	–	0	*
	Cranwell ...	1026·1	−14	SW	3	z	66	55	6	–	7	6	0	2-3	–	0	*
3	Birmingham ...	1026·5	−10	W	3	b	68	35	8	1	–	1	Tr	1	4000	0	*
	Upper Heyford	1027·3	−6	–	0	bc	67	55	7	–	–	1	0	2-3	–	0	*
4	Ross-on-Wye ...	1026·8	−12	SWW	3	bc	66	55	7	1	–	1	2-3	2-3	4000	0	*
5	Hartland Point	1028·5	−4	W	2	bc	60	85	7	5	–	1	4-6	4-6	1500	0	1
	Bristol	1027·6	−6	W	3	bc	65	55	8	7	–	8	1	2-3	4000	0	*
	Portland Bill ...	1028·4	−2	WNW	2	b	53	92	7	–	–	–	0	0	–	0	2
	Plymouth ...	1029·0	−4	SSW	2	z	56	85	6	–	–	1	0	Tr	–	0	2
	The Lizard ...	1029·1	−4	W	2	bc	59	85	6	7	–	–	2-3	2-3	2500	0	1
	Scilly (St. Mary's)	1029·9	−2	N	2	bc	58	92	7	5	4	–	1	2-3	2500	0	1
	Guernsey ...	1028·4	−6	ENE	2	b	58	65	7	–	–	–	0	0	–	0	2
6	Pembroke ...	1029·0	−4	NNW	2	bc	56	75	7	–	4	1	0	2-3	–	0	0
7	Holyhead ...	1027·5	−8	SWS	3	c	57	65	8	–	4	–	0	7-8	–	0	1
	Chester (Sealand)	1027·6	−4	NWN	3	c	61	55	8	–	3	–	0	7-8	–	0	*
8	Manchester ...	1027·2	−2	WNW	3	c	59	65	8	5	4	–	4-6	7-8	7200	0	*
10	Spurn Head ...	1026·0	−14	SSE	4	c	55	65	7	–	3	8	0	9	–	0	3
	Catterick ...	1025·8	+2	WSW	4	c	59	55	8	5	4	–	4-6	9	4000	0	*
	Tynemouth ...	1024·4	−6	W	3	c	62	65	7	8	3	–	4-6	9	2500	0	1
11	St. Abbs Head...	1022·9	−6	WSW	5	c	59	45	9	5	6	–	7-8	9	2500	0	2
	Leuchars ...	1022·3	−6	WSW	4	c	57	65	8	5	7	–	7-8	9+	1500	1	*
12	Renfrew (Abbotsl.)	1023·6	−14	WSW	5	ir	55	85	6	5	7	–	7-8	9+	1500	0	*
	Eskdalemuir ...	1024·4	−4	SWS	4	c	55	75	7	5	8	–	4-6	7-8	1500	0	*
	Point of Ayre ...	1026·1	−10	W	4	c	61	65	8	5	7	–	4-6	9+	4000	0	2
13A	Tiree	1021·2	0	WSW	4	dr	53	97	5	–	2	–	10	10	450	1	4
13B	Stornoway ...	1018·2	+12	WSW	4	p	53	85	8	8	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	1022·1	−12	W	5	r r	50	92	7	5	2	–	2-3	10	2500	1	*
	Aberdeen ...	1019·8	−18	SWS	2	ir	57	65	7	5	7	–	9	9+	5700	1	1
	Wick	1017·3	−14	SSW	4	c	52	92	8	5	7	–	7-8	9+	1500	1	2
16	Lerwick... ...	1017·1	−10	SW	5	r r	46	92	6	6	2	–	4-6	10	800	1	*
17	Blacksod Point...	1026·9	−2	SW	5	c	55	92	7	–	2	–	0	10	–	0	3
18	Malin Head ...	1024·6	−2	W	5	dd	54	92	6	3	–	–	9+	9+	800	0	4
	Aldergrove ...	1025·7	−6	SWW	4	c	60	75	8	5	–	–	9+	9+	2500	0	*
19	Birr Castle ...	1028·1	−6	WSW	3	bc	62	65	7	–	4	9	0	4-6	–	0	*
20	Valentia Obsy.†	1030·6	−6	W	3	b	58	75	8	1	–	1	Tr	1	2500	0	1
	Roches Point ...	1028·7	−12	SW	3	bc	59	85	9	–	4	5	0	4-6	–	0	1

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 26th (37)	13h.—18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.—7h. 27th (40)
1	London (Kew)...	bm.by	by	byb	bbcm.b
	Croydon	by	by	bybcm.b	bcwm.cm
	S. Farnborough	b,⊕by	by	b,cbm.	bwbc m.
	Boscombe Down	bm.by	bybcyby	bybc	bccmbcm.
	Calshot (Soton.)	bm.bby	byb	byb	bwbcm.
	Lympne ...	c	bcb	bw	bbccwbc
	Manston ...	bc	b,bc	bwbm.w	bccm.
2	Shoeburyness ...	bcb	bcb	bw	bwcm.
	Felixstowe ...	cbv	bv	bvbc	bccm.
	Gorleston ...	cbcb	bbc	bcc	c
	Mildenhall ...	cmbcby	bbcvy	bcybcc	bcm.cm.
	Cranwell ...	by	bybz.y	bz.ybcm	bcm.prcm.
3	Birmingham ...	fb	bcb	bbc	bc
	Upper Heyford	b	bcy	bybcz.	bcz.
4	Ross-on-Wye ...	bz.bby	bybcby	bbc	bccb
5	Hartland Point	cbc	bc	bc	bc
	Bristol	cbcm.by	bbcby	bybcm.	bcm.
	Portland Bill ...	b	b	b	bc
	Plymouth ...	bm.b	bm.	bm.	bm.,bw
	The Lizard ...	bc	bc	bc	bcbmw
	Scilly (St. Mary's)	bbcz.	cz.bc	bcbw	bw
	Guernsey ...	ocbc	bcb	bw	bwF
6	Pembroke ...	bcbm.	bbc	bcbw	bc
7	Holyhead ...	b,cy⊕	cy⊕	c	c
	Chester (Sealand)	bcwz.b,bc	bz.bcy	bccy	c
8	Manchester ...	bmbcyz.	bcyc	cbc	bcc
10	Spurn Head ...	bc	bcc	c	c
	Catterick ...	bcm.bc	bcycy	cyirc	c
	Tynemouth ...	bcmc	c	cbcc	cbc
11	St. Abbs Head...	bcc	cy	bc	bc
	Leuchars ...	cir.	r.r.cbcyc	cbcw	bcwbv
12	Renfrew (Abbotsl.)	cir.	cirm.q.d.	circc	
	Eskdalemuir ...	bccpr.	cpr.yc	cod.d.	od.d.bc
	Point of Ayre ...	bcc	c	c	cd.c
13A	Tiree	or.rr	orrdr	odrc	cpr
13B	Stornoway ...	crr	crrpr	cprd	cd
15	Dalwhinnie ...	c	cr.r.		cir
	Aberdeen ...	bccr.r.	r.r.c	cr.bcb	bbcc
	Wick	prr.c	crr.	c	cdde
16	Lerwick... ...	cir	ir r.r.	corfrf	rfir
17	Blacksod Point...	cq	id.q	idf	iD
18	Malin Head ...	c	cid.c	cdfcddc	cDfc
	Aldergrove ...	c	c	c	cd.d.c
19	Birr Castle ...	c	cbc	bc	bcc
20	Valentia Obsy.†	bwcbc	bcb	bbccid.	idm.
	Roches Point ...	bc	⊕ bc	bcbw	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, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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). ✐gale.
⊕ Solar halo. ☾Lunar halo. ☆Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

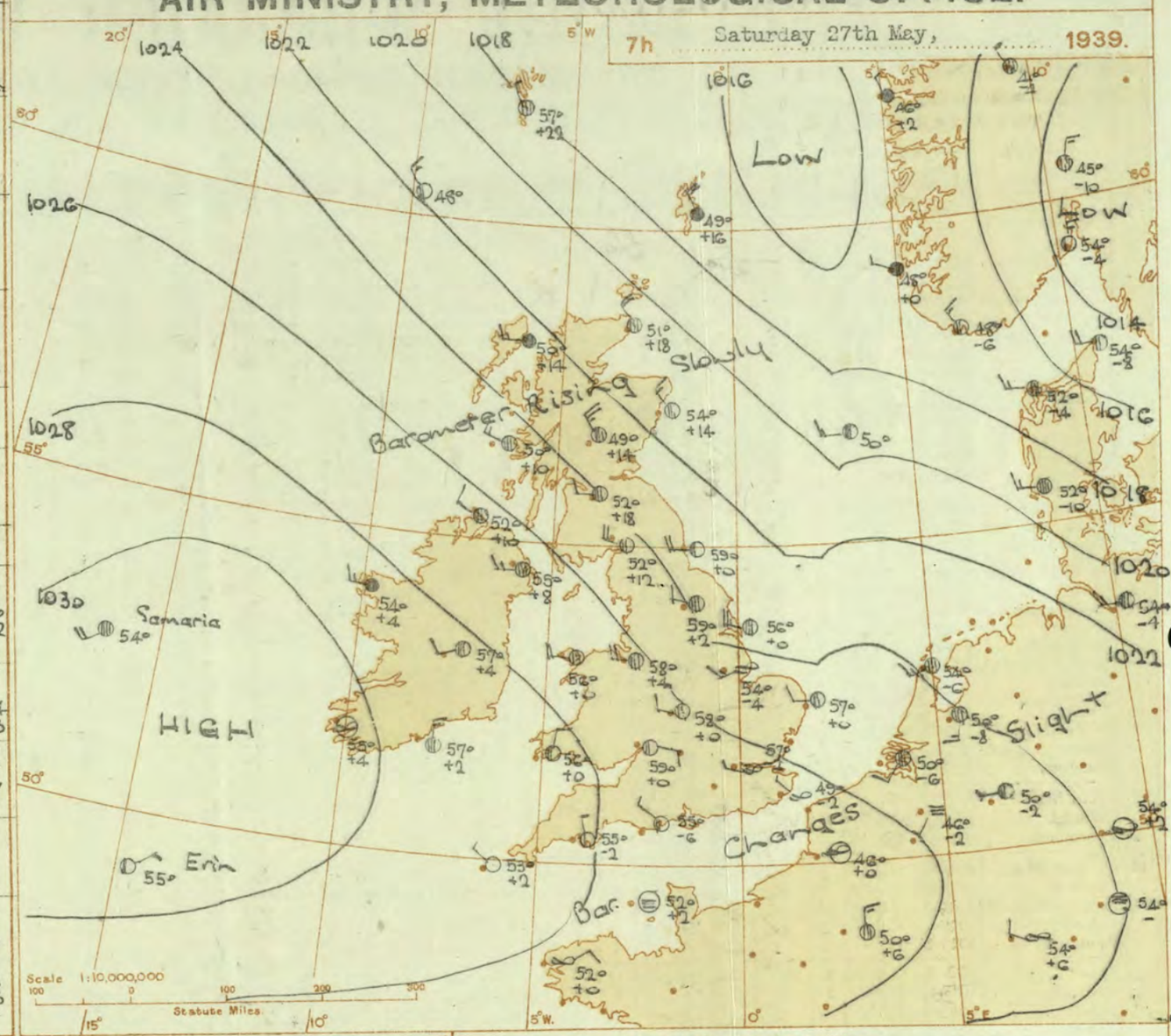
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 26th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 25th to 9h. 26th	Temperature. (°F) Max. 9h.—17h. 26th	Rainfall. (mm.) Night. 17h. 25th to 9h. 26th	Rainfall. (mm.) Day. 9h.—17h. 26th	Sunshine. (Hrs.) Sunrise to 17h. 26th	Sunshine. (Hrs.) Sunrise to Sunset. 25th
1	Tunbridge W.	b	b	48	68	-	-	9·3	9·6
	Bournemouth	b	b	49	67	-	-	10·8	10·2
	Ventnor ...	ocvz	bc	50	63	-	-	8·9	4·8
	Southsea ...	b	b	51	66	-	-	10·7	3·0
	Bognor Regis	cbcb	b	50	60	-	-	8·7	2·5
	Littlehampton	bc	bcb	51	63	-	-	9·0	2·0
	Worthing ...	b	b	51	61	-	-	8·7	4·3
	Brighton ...	b	b	51	63	-	-	9·2	5·8
	Eastbourne† ...	cbcb	b	51	61	-	-	7·9	10·3
	Hastings† ...	cbcb	b	49	63	-	-	7·8	12·2
	Folkestone ...	bcb	b	49	61	Trace	-	9·1	13·2
	Dover ...	bc	bcb	51	60	-	-	9·4	13·6
	Deal	cbcb	b	50	59	-	-	8·1	13·3
	Ramsgate ...	cbc	b	49	59	-	-	8·5	13·6
	Margate ...	bcc, bc	bc	50	54	-	-	8·5	13·8
2	Southend ...	b	b	48	64	-	-	10·0	8·8
	Clacton-on-Sea	bc	bcb	49	58	-	-	10·4	11·3
	Dovercourt ...	bcv	bv	48	59	-	-	10·5	11·6
	Lowestoft ...	cbcb	b	48	57	Trace	-	10·1	6·8
	Skegness ...	b	b	39	57	-	-	*	0·0
	Mablethorpe...	b	b	38	56	-	-	12·0	1·2
	Cleethorpes ...	b	bv	43	62	-	-	12·0	2·7
3	Leamington S.	bbc	bc	42	70	-	-	11·5	0·8
4	Cheltenham†	bcb	bbcq	44	71	-	-	10·5	2·9
5	Bath	b	b	46	70	-	-	10·6	3·3
	Weymouth ...	b	b	51	62	-	-	11·2	9·2
	Jersey ...	c	cbc	52	62	-	-	4·6	12·6
	Torquay ...	by	b	52	66	-	-	12·2	13·2
	Falmouth ...	b	b	53	63	-	-	11·0	11·5
	Penzance ...	b	bzb	52	64	-	-	9·7	9·7
	St. Ives ...								
	Bude... ...	zbc	zb	49	62	-	-	11·3	11·4
	Ilfracombe ...	bcbbc	b	53	62	-	-	11·2	12·3
6	Aberystwyth	zbc	bc	46	60	-	-	9·6	10·5
7	Llandudno ...	bcb	bbc	49	63	-	-	4·9	13·7
	Colwyn Bay...	bcb	bcb	49	67	-	-	9·4	13·7
	Rhyl	bz.	bbc	46	63	-	-	10·0	9·7
8	Wallasey ...	bzbcb	bbc	50	62	-	-	9·5	2·6
	Southport ...	bczb	bbcc	45	63	-	-	8·1	3·3
	Blackpool ...	bm.	bbcc	42	61	-	-	8·7	4·1
	Morecambe ...	bcb	bbc	47	61	-	-	6·6	5·2
9	Ilkley... ...	bcb	b	39	68	-	-	9·9	4·0
	Harrogate ...	bcb	bbcc	40	67	-	-	10·0	4·1
10	Berwick-on-T.	bcm.c	c	42	63	-	-	6·1	11·3
11	Dunbar ...	bc	cpr.	44	64	-	Trace	5·6	11·4
12	Troon... ...	ococ	cbc	45	58	-	-	3·8	13·8
	Douglas ...	bc	bc	43	60	-	-	6·0	14·3

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



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
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. 27th May, 1939.
1 S.E. England	Wind west light; fair or fine; very warm.
2 E. England ...	Wind west light; fair; local mist or fog; close.
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	Wind light variable; fair or fine but local coastal fog; very warm.
6 South Wales	
7 North Wales ...	Wind west to northwest light or moderate; mainly fair but some local mist and slight local drizzle; close.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind west to northwest, moderate; fine; warm.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 10.
13 A. W. Scotld. B.N.W.Scotland.	
14 Mid Scotland	As 11.
15 N. E. Scotland	Wind northwest, moderate; slight local rain or drizzle; rather warm.
16 Orkney and Shetland	
17 N. W. Ireland	As 7 - 10.
18 N. E. Ireland	
19 S. E. Ireland	As 5 - 6.
20 S. W. Ireland	

GENERAL INFERENCE.

An anticyclone persists over southern districts but a depression east of Shetland is moving east-southeast. The weather will continue fair and warm in the South but in the North it will be cloudy in western districts with slight local drizzle.

FURTHER OUTLOOK.

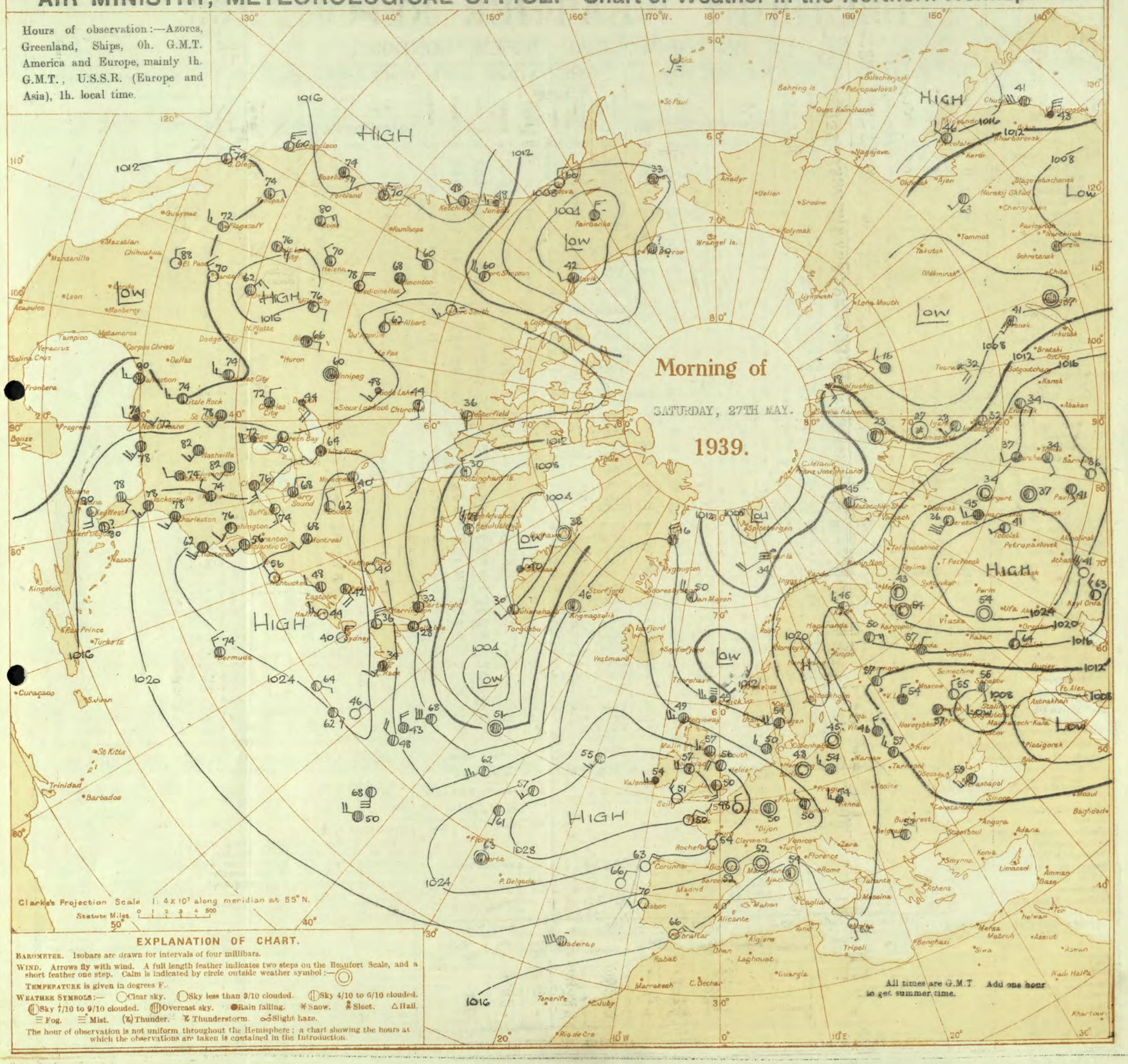
Fine and very warm in the South. Mainly fair and warm elsewhere.

Forecasts issued at 0915 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

HMSO Press, Cornwall House, S.E.1.
6.456/2684 No. 8102 D. 4526 6p. 948.35 & 40. 5/39

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 27th May, 1939.

No. 28310.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1027.5	-4	S	3	7o	50	92	6	–	–	2	0	4-6	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1027.4	-12	WSW	1	b	45	92	7	–	–	–	0	0	–
	Manston ...	154	1027.3	-6	S'E	1	b	45	92	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1025.5	-16	SW'W	2	c	49	75	7	5	–	–	7-8	7-8	2500
	Mildenhall ...	19	1025.8	-10	W'S	2	bc	50	85	7	5	–	–	4-6	4-6	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1028.8	-2	W	2	b	53	85	8	1	–	–	1	1	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1027.7	-10	NW	2	b	52	85	7	–	–	–	0	0	–
	Plymouth ...	82														
	The Lizard ...	240	1029.1	0	NW	3	bc	49	85	8	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	1030.0	-2	NNW	3	b	51	97	8	–	–	–	0	0	–
	Guernsey ...	175	1028.6	-6	NNW	1	b	50	92	7	–	–	–	0	0	–
6	Pembroke ...	142	1028.8	+2	NNW	3	b	53	85	8	–	4	–	0	Tr	–
7	Holyhead ...	26	1027.3	0	W'S	4	c	57	73	8	5	2	–	7-8	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1024.4	-10	W'N	4	c	56	75	6	5	–	–	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1022.8	-10	W	3	c	57	85	7	8	–	–	7-8	7-8	1500
11	St. Abbs Head	280	1020.3	0	W	5	bc	55	85	8	6	–	–	4-6	4-6	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1025.6	0	WNW	4	c	57	92	8	5	–	–	3+	3+	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1019.6	+4	W	5	c	49	92	8	8	7	–	4-6	3+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017.9	+4	WSW	2	c	50	92	8	5	1	–	7-8	3+	1500
16	Lerwick ...	156	1014.1	-2	W	5	rF	49	97	1	–	–	–	10	10	<150
17	Blacksod Point	18	1027.3	0	W	3	DD	54	97	6	6	–	–	10	10	<150
18	Malin Head ...	84	1025.0	+6	W	4	dd	53	97	6	5	–	–	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030.8	0	WSW	3	dd	54	92	6	5	–	–	10	10	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	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)
London (Kew)	1026.6	+2	SW'W	1	7o	56	85	6	–	3	4	0	7-8	–	0	*
Croydon	1027.1	-2	W'N	1	7o	57	85	6	–	3	3	0	7-8	–	0	*
S. Farnborough	1026.3	+4	W'S	1	7o	55	85	6	–	3	–	0	7-8	–	0	*
Boscombe Down	1027.6	+4	NW'N	1	7o	56	85	6	–	4	–	0	2-3	–	0	*
Calshot	1027.0	+2	W	1	7o	54	85	6	–	3	3	0	4-6	–	0	1
Lympne	1026.5	-2	NW	1	7o	49	92	6	–	3	3	0	7-8	–	0	§0
Manston	1026.0	-2	W	2	c	53	85	6	5	3	3	2-3	3	1500	0	*
Shoeburyness	1025.3	+2	W	1	c	57	85	6	5	–	–	3+	3+	7200	0	*
Felixstowe	1025.4	+2	WNW	3	7o	55	75	6	5	3	3	1	3	7200	0	2
Gorleston	1024.4	0	W	2	c	57	75	6	5	7	–	4-6	3+	2500	0	2
Mildenhall	1025.3	+2	SW'W	2	7o	56	75	6	5	3	6	4-6	3	4000	1	*
Cranwell	1024.3	-4	WSW	3	7o	54	85	6	5	7	–	4-6	3+	2500	1	*
Birmingham	1026.0	0	WNW	2	bc	58	75	8	–	7	3	0	4-6	–	0	*
Upper Heyford	1026.3	+2	W	3	bc	55	65	7	–	3	5	0	2-3	–	0	*
Ross-on-Wye	1026.5	0	ESE	2	bc	53	75	7	5	–	–	2-3	2-3	5700	0	*
Hartland Point	1028.2	+4	SSW	3	bc	54	97	8	5	4	8	1	2-3	2500	0	2
Bristol	1027.3	0	–	0	7o	58	85	6	7	4	–	2-3	2-3	4000	0	
Portland Bill	1027.3	-6	NW	1	bc	55	85	7	1	–	–	4-6	4-6	4000	0	2
Plymouth	1028.2	-2	NNW	1	b	55	85	7	2	4	–	Tr	1	2500	0	1
The Lizard	1028.5	0	NNW	1	b	54	85	7	–	–	–	0	0	–	0	1
Scilly (St. Mary's)	1029.2	+2	NW'W	1	b	53	97	7	–	–	–	0	0	–	1	1
Guernsey	1027.7	+2	–	0	b/F	52	97	5	–	–	–	0	0	–	0	1
Pembroke	1028.4	0	NNE	2	bc	56	85	7	7	–	–	4-6	4-6	4000	0	1
Holyhead	1027.1	0	W	4	c	56	85	8	6	5	–	10	10	1500	0	2
Chester (Sealand)	1026.5	+4	W	4	c	55	85	8	5	2	–	7-8	10	1500	0	*
Manchester	1026.1	+8	W'N	4	7o	56	85	6	5	7	–	4-6	10	1500	0	*
Spurn Head	1023.5	0	WNW	3	c	56	85	6	5	3	–	4-6	10	2500	0	3
Catterick	1023.7	+2	WNW	2	c	53	75	8	5	–	–	3+	3+	1500	0	*
Tynemouth	1022.2	0	W	4	bc	53	75	8	8	–	–	2-3	2-3	1500	0	1
St. Abbs Head	1021.5	+6	WNW	4	bc	52	75	8	1	–	–	4-6	4-6	2500	0	2
Leuchars	1022.7	+16	W	4	bc	55	65	3	7	–	3	Tr	2-3	2500	0	
Renfrew (Abbotsl.)	1024.8	+18	W	2	c	52	85	3	5	–	–	3+	3+	1500	0	*
Eskdalemuir	1024.1	+12	W'N	4	bc	52	75	8	7	–	1	2-3	2-3	1500	0	*
Point of Ayre	1025.8	+12	NW	3	d.d.	53	97	6	–	2	–	10	10	1500	1	2
Tiree	1024.3	+10	WNW	3	c	50	92	8	8	–	–	7-8	7-8	1500	1	3
Stornoway	1022.7	+14	W	3	d	50	92	7	8	–	–	3+	3+	1500	1	1
Dalwhinnie	A	+14	NW	3	c	49	85	7	5	2	–	7-8	10	2500	1	*
Aberdeen	1021.5	+14	NW	3	c	54	75	8	5	–	–	3+	3+	4000	1	1
Wick	1020.1	+18	NW	4	c	51	85	8	8	6	3	4-6	3+	1500	1	2
Lerwick	1016.3	+16	NW	4	rs	49	97	7	8	2	–	7-8	10	800	1	*
Blacksod Point	1028.4	+4	W	3	rD	54	97	6	6	–	–	10	10	<150	1	3
Malin Head	1026.8	+10	WNW	2	c	52	75	8	8	–	–	7-8	7-8	800	0	2
Aldergrove	1026.5	+8	W	3	c	55	92	8	5	2	–	3+	10	1500	0	*
Birr Castle	1029.1	+4	W'S	2	c	57	92	8	5	–	–	3	3	2500	0	*
Valentia Obsy. †	1030.8	+4	–	0	7o	55	97	6	5	–	–	10	10	220	1	2
Roches Point	1029.3	+2	N	3	c	57	97	8	5	–	–	3	3	2500	0	1

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 26th Hrs. (36)
London (Kew)	67	51	42	–	–	13.9
Croydon	67	49	44	–	–	13.7
S. Farnborough	68	44	37	–	–	14.4
Boscombe Down	67	50	45	–	–	13.2
Calshot	67	48	45		–	13.6
Lympne	60	45	37	–	–	10.3
Manston	56	44	38	–	–	11.8
Shoeburyness	62	51	41	–	–	12.4
Felixstowe	57	48	42	–	–	13.0
Gorleston	55	47	46	–	–	10.3
Mildenhall	66	48	42	–	–	12.1
Cranwell	67	50	47	–	Tr	14.2
Birmingham	70	53	46	–	–	10.8
Upper Heyford	68	51	51	–	Tr	*
Ross-on-Wye	70	46	39	–	–	12.9
Hartland Point	62	51	49	–	–	12.5
Bristol	68	48	42	–	–	11.5
Portland Bill	57	51	*	–	–	*
Plymouth						
The Lizard	60	50	46	–	–	13.0
Scilly (St. Mary's)	62	47	*	–	–	13.1
Guernsey	63	49	*	–	Tr	10.9
Pembroke	59	50	*	–	–	10.3
Holyhead	61	52	50	–	–	9.1
Chester (Sealand)	64	54	48	–	–	11.0
Manchester	66	52	43	–	–	9.2
Spurn Head	58	54	*	–	–	13.6
Catterick	67	53	42	–	Tr	8.9
Tynemouth	63	56	52	–	–	10.8
St. Abbs Head	64	51	*	–	–	*
Leuchars	61	47	42	0·1	–	4.5
Renfrew (Abbotsl.)	59	50	48	Tr	0.2	2.6
Eskdalemuir	61	50	49	Tr	0.2	4.2
Point of Ayre	67	52	*	–	Tr	6.6
Tiree	53	48	46	3	1	0.0
Stornoway	55	49	*	5	0.3	0.0
Dalwhinnie	53	45	37	1	1	0.2
Aberdeen	57	50	41	1	Tr	2.2
Wick	53	49	*	4	0.1	*
Lerwick	49	45	*	1	2	0.0
Blacksod Point	57	50	*	*	1	*
Malin Head	58	50	*	0·1	1	0.1
Aldergrove	64	54	50	–	Tr	1.6
Birr Castle	64	55	54	–	–	11.3
Valentia Obsy. †	59	55	53	Tr	Tr	14.2
Roches Point	61	54	*	–	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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.by	by	bwcmW	67	51	42	–	–	13.9	*	*	7
Croydon	217	by	by	bcmWcm	67	49	44	–	–	13.7	*	*	7
Greenwich (Royal Observatory)	149												
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	12.3	*	*	*
Westminster (St. James' Park)	27	*	*	*	63	52	47	–	–	13.3	53	65	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	70	53	50	–	–	*	47	53	*
Camden Square	110	b	b	*	70	53	48	–	–	*	*	57	*
Kensington	80	b	bcb	*	63	52	44	–	–	12.7	At 18h 42	61	*
Hampstead Observatory	450	b	bc	bc	65	51	50	–	–	12.7	*	62	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 27th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	7h 27th	0.1	7-21h 26th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 26th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 27th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris						1026.7	N	3	c	50		46		–
Brussels						1026.3	SW	1	bf	46		41		–
Berlin	1021.1	WSW	3	c	61	1020.3	W	2	bc	54	61	45	–	–
Zurich						1022.6	ESE	1	0	52		50		–
Rome						1013.6	NNE	4	bc	63	*	*		–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 28th May, 1939.

No. 28311.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (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)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1025.4	-4	NW	4	c	68	65	7	1	3	1	4-6	7-8	4000
	Croydon	1025.3	-6	NW	3	bc	69	63	7	1	4	-	2-3	4-6	4000
	S. Farnborough	1025.2	-8	NNW	2	c	71	55	8	8	3	-	7-8	9	4000
	Boscombe Down	1025.9	-6	NNW	3	c	70	55	7	7	7	9	4-6	7-8	4000
	Calshot (Soton.)	1025.4	-8	SSW	4	bc	72	85	8	1	-	-	4-6	4-6	4000
	Lympne ...	1024.4	-10	WNW	2	z$_0$	70	55	6	8	-	-	9	9	4000
	Manston ...	1024.7	-6	NW	3	z$_0$	66	65	6	5	7	-	4-6	9	4000
2	Shoeburyness ...	1025.0	-8	NW	3	c	67	65	8	7	-	-	9+	9+	4000
	Felixstowe ...	1024.5	-6	NW	4	c	66	65	8	8	3	-	9	9+	4000
	Gorleston ...	1024.3	0	N'W	3	id$_0$	59	85	6	6	-	-	10	10	1500
	Mildenhall ...	1024.8	-2	W'N	4	c	62	75	7	8	2	-	7-8	10	2500
	Cranwell ...	1024.3	-8	W'N	4	z$_0$	66	65	6	8	-	-	9	9	2500
3	Birmingham ...	1026.3	+2	NW	3	c	60	85	7	5	-	-	10	10	1500
	Upper Heyford	1026.2	0	NW'N	2	c	64	75	8	5	-	-	9+	9+	2500
4	Ross-on-Wye ...	1025.4	-6	N	3	bc	70	55	9	1	-	-	4-6	4-6	4000
5	Hartland Point	1028.1	-2	W	3	bc	56	85	8	1	4	-	1	2-3	2500
	Bristol	1026.2	-8	W	3	bc	71	65	8	8	4	-	2-3	2-3	2500
	Portland Bill ...	1026.8	-10	WSW	1	bc	59	85	8	5	-	-	2-3	2-3	4000
	Plymouth ...	1026.8	-10	NNW	4	b	68	65	8	1	-	-	1	1	4000
	The Lizard ...	1028.4	0	-	0	bc	68	75	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1029.2	-2	N'W	3	bc	60	92	8	1	-	-	2-3	2-3	2500
	Guernsey ...	1027.2	-4	NNW	3	b	60	65	6	-	-	-	0	0	-
6	Pembroke ...	1028.7	0	NNW	3	bc	58	85	7	1	6	-	2-3	2-3	4000
7	Holyhead ...	1027.5	+6	W'N	3	c	57	85	8	7	4	-	7-8	9	2500
	Chester (Sealand)	1027.6	+6	NW'W	4	e	58	85	8	5	-	-	10	10	1500
8	Manchester ...	1026.3	+4	W'N	4	c	60	75	7	8	-	-	9	9+	2500
10	Spurn Head ...	1024.2	+4	ENE	3	bc	61	65	7	5	8	1	1	2-3	4000
	Catterick ...	1023.7	+2	NW'N	3	bc	68	45	8	1	-	-	4-6	4-6	2500
	Tynemouth ...	1024.2	+10	N	3	bc	55	75	8	2	3	1	2-3	4-6	2500
11	St. Abbs Head...	1024.0	+10	NW	2	bc	59	65	9	7	-	-	4-6	4-6	2500
	Leuchars ...	1023.5	+6	NNW	4	bc	64	55	9	7	-	-	4-6	4-6	4000
12	Renfrew (AbbotsI.)	1026.4	+14	WNW	4	c	58	75	9	7	-	-	9	9	2500
	Eskdalemuir ...	1024.0	+6	NW'W	5	b	62	55	8	7	-	1	1	1	2500
	Point of Ayre ...	1027.5	+6	NW	4	bc	58	75	8	5	4	-	Tr	2-3	2500
13A	Tiree	1027.5	+12	NW	4	c	53	92	7	5	-	-	7-8	7-8	1500
13B	Stornoway ...	1026.0	+10	W	3	c	54	85	9	8	2	-	7-8	10	1500
15	Dalwhinnie ...	1025.0	+12	NW	5	c	56	65	8	4	6	-	4-6	9	2500
	Aberdeen ...	1023.3	+14	NNW	4	c	59	65	8	5	-	-	9+	9+	2500
	Wick	1023.6	+18	NW	6	c/pr	54	85	8	5	7	-	7-8	9+	1500
16	Lerwick... ...	1021.4	+26	NW	3	c	54	85	8	8	7	-	7-8	7-8	1500
17	Blacksod Point...	1029.6	+10	NW	3	d	56	92	6	6	-	-	10	10	<150
18	Malin Head ...	1029.5	+16	NNW	3	c	52	85	8	5	8	1	4-6	9	800
	Aldergrove ...	1028.8	+14	NW	3	c	57	75	8	8	-	-	9+	9+	1500
19	Birr Castle ...	1029.5	+4	W	2	c	63	85	8	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1031.5	+2	N'W	3	c	59	85	8	5	-	-	9+	9+	450
	Roches Point ...	1029.4	-2	N	3	c	66	75	9	5	-	-	7-8	7-8	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud 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)	1025.1	+2	NNW	3	c	64	65	8	5	-	-	10	10	2500	0	*
Croydon	1024.8	+2	NNW	3	c	65	65	7	8	-	-	9+	9+	4000	0	*
S. Farnborough	1024.7	0	N	2	c	67	65	8	5	2	-	9+	9+	2500	0	*
Boscombe Down	1024.8	-2	NE'N	3	c	68	65	8	5	3	-	4-6	7-8	2500	0	*
Calshot (Soton.)	1025.1	-8	SW'S	2	bc	65	75	8	7	-	-	4-6	4-6	4000	0	2
Lympne	1024.5	+2	N'W	2	c	62	75	7	5	-	-	7-8	7-8	4000	0	§1
Manston	1024.0	-6	NW'N	2	z$_0$	62	75	6	5	3	-	4-6	7-8	4000	0	*
Shoeburyness	1024.3	-4	WNW	2	bc	66	65	7	1	4	-	Tr	2-3	4000	0	*
Felixstowe	1023.5	-4	NW	1	c	66	65	7	8	-	-	7-8	7-8	2500	0	0
Gorleston	1024.2	+8	N'E	4	bc	58	75	7	5	3	-	2-3	4-6	2500	0	2
Mildenhall	1024.0	+2	NNE	4	bc	64	65	8	8	-	-	2-3	2-3	4000	0	*
Cranwell	1025.3	+14	NE'N	3	bc	59	65	8	5	-	-	4-6	4-6	4000	0	*
Birmingham	1025.6	-4	NW	4	bc	60	75	8	7	-	-	2-3	2-3	2500	0	*
Upper Heyford	1025.5	-2	NW'N	3	bc	62	75	7	8	4	-	2-3	2-3	2500	0	*
Ross-on-Wye	1025.5	0	N'E	4	c	63	75	9	8	-	-	9	9	4000	0	*
Hartland Point	1027.1	-4	NW	3	bc	57	85	8	2	4	-	2-3	4-6	2500	0	2
Bristol	1025.2	-2	N	4	bcjp	69	65	8	8	4	-	4-6	4-6	2500	0	*
Portland Bill	1025.7	-12	NW	1	bc	61	75	8	5	-	-	2-3	2-3	4000	0	2
Plymouth	1025.8	-2	N	4	b	69	65	8	1	4	-	Tr	Tr	4000	0	1
The Lizard	1026.8	-8	NNW	3	bc	63	75	8	7	-	-	2-3	2-3	4000	0	1
Scilly (St. Mary's)	1028.2	-8	N'W	3	b	59	92	9	1	-	-	Tr	Tr	4000	0	2
Guernsey	1025.9	-6	NW	3	b	61	75	7	-	-	-	0	0	-	0	1
Pembroke	1028.1	-6	N'E	3	c	60	85	8	8	7	-	4-6	7-8	2500	0	1
Holyhead	1028.3	+2	NW'N	2	bc	53	85	8	5	4	-	2-3	4-6	2500	0	1
Chester (Sealand)	1027.4	-2	NW'W	4	bc	57	75	8	7	-	-	2-3	2-3	2500	0	*
Manchester	1026.7	+4	WNW	3	bc	59	75	8	1	-	-	2-3	2-3	4000	0	*
Spurn Head	1025.6	+6	-	0	bc	55	75	7	-	4	-	0	2-3	-	0	0
Catterick	1025.7	+12	NE'E	2	c	60	65	7	5	-	-	9	9	2500	0	*
Tynemouth	1025.5	+10	E	1	bc	60	65	8	1	-	-	2-3	2-3	2500	0	0
St. Abbs Head	1025.6	+10	-	0	c	57	65	9	7	6	-	4-6	7-8	2500	0	1
Leuchars	1025.5	+14	ESE	3	bc	60	65	9	8	-	-	4-6	4-6	4000	0	*
Renfrew (AbbotsI.)	1026.8	+2	NW'W	5	b	59	75	9	1	-	5	1	1	4000	0	*
Eskdalemuir	1024.9	+8	NW	3	b	62	55	8	7	-	-	1	1	4000	0	*
Point of Ayre	1027.7	+4	NW'N	5	b	55	85	8	2	-	-	1	1	1500	0	3
Tiree	1029.0	+8	NW'N	3	c	52	85	7	5	-	-	9	9	1500	0	2
Stornoway	1028.5	+8	NW	3	pr	52	92	8	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	1027.3	+2	NNW	3	bc	59	65	8	4	6	-	2-3	2-3	4000	0	*
Aberdeen	1026.0	+16	N	3	bc	58	75	8	5	-	-	4-6	4-6	2500	0	2
Wick	1026.1	+12	NW	6	c	51	85	9	5	7	-	7-8	9+	1500	1	2
Lerwick	1025.0	+14	NE	3	c	50	92	8	8	7	-	4-6	9	1500	1	*
Blacksod Point	1031.0	+4	NW	3	c	57	92	8	5	-	-	10	10	1500	1	2
Malin Head	1030.5	+8	NNW	2	c	52	92	8	8	-	-	9	9	800	0	2
Aldergrove	1029.3	+6	NW'N	4	c	55	75	9	5	-	-	9+	9+	1500	0	*
Birr Castle	1029.3	+2	WNW	1	c	62	85	8	8	7	-	7-8	9+	1500	0	*
Valentia Obsy.†	1030.5	-6	NNW	5	b	61	85	9	5	-	-	1	1	1500	0	2
Roches Point	1028.6	-6	N'E	3	c	65	75	9	5	-	-	7-8	7-8	2500	0	1

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 27th (37)	13h.—18h. 27th (38)	18h. 27th to 1h. 28th (39)	1h.—7h. 28th (40)
London (Kew)	bcz$_0$cbc	bcc	cbc	bcc
Croydon	cm$_0$bc	bcc	cbcz$_0$bw	bwbc
S. Farnborough	bcb,cy	cbcyc	cb	bwcb
Boscombe Down	bcm$_0$bbc	bcc	cbc	bcb
Calshot (Soton.)	bcm$_0$bz$_0$y	bcybc	bcb	b
Lympne	bcm$_0$cz$_0$y	cz$_0$yc	cbcbz$_0$	bm$_0$fgc
Manston	cm$_0$	cm$_0$	c,bm$_0$w	bbcm$_0$wc
Shoeburyness	cbcm$_0$	cbc	bcc	c
Felixstowe	cm$_0$c	cbcc	cbcc	ccv
Gorleston	coid$_0$	oid$_0$cbc	bc	becq
Mildenhall	cm$_0$cz$_0$c	cbc	bcc	c
Cranwell	cid$_0$z$_0$	cz$_0$bc	bcc	c
Birmingham	bcc	cbc	bcb	b,cb
Upper Heyford	bcc	cbc	bcbm$_0$	bcm$_0$cm$_0$
Ross-on-Wye	bc	bcvcv	cvbcb	bm$_0$wbcc
Hartland Point	bc	bc	bccbc	bccbc
Bristol	bcbbc	bcy	bcw	bcbw
Portland Bill	bc	bc	bc	bc
Plymouth	bbcb	b	b	b
The Lizard	bc	bc	bcw	bc
Scilly (St. Mary's)	bccbc	bcb	bbccw	cbcw
Guernsey	Fb	b	bbc	bbcc
Pembroke	bc	bcvc	bcw	bc
Holyhead	d$_0$m$_0$c	cd$_0$bc	bcwb	bw
Chester (Sealand)	cr$_0$ddm$_0$	cbcb	bwm$_0$	bwm$_0$
Manchester	cm$_0$d$_0$r$_0$c	cb	b	bm$_0$bw
Spurn Head	cbc	bc	bccw	cqpr$_0$
Catterick	bcbcy	bcyz$_0$c	cbc	bcc
Tynemouth	bc	bc	bcc	c
St. Abbs Head	bc	bcc	c	c
Leuchars	bvbbcy	bcybc	bcw	bcwcw
Renfrew (AbbotsI.)	cbcc	bccbcb	bw	bbcffw
Eskdalemuir	bcby	by	bybc	bcc
Point of Ayre	d$_0$cbc	bcb	bbcb	bw
Tiree	bccid	cid$_0$	c	c
Stornoway	cid$_0$pr$_0$	cpr$_0$	cd$_0$d$_0$	cd$_0$d$_0$
Dalwhinnie	c	bc	•	bcb
Aberdeen	c	cbc	bcc	ccv
Wick	cpr$_0$c	cpr$_0$c	cid$_0$	id$_0$m$_0$
Lerwick	cir$_0$	cpr$_0$	c	c
Blacksod Point	idf	idf	cbc	bc
Malin Head	cid$_0$c	cid$_0$c	cpr$_0$	c
Aldergrove	id$_0$c	cbcc	c	cbcb
Birr Castle	c	c	cbc	bcc
Valentia Obsy.†	om$_0$c	cbcb	bbcc	cbcb
Roches Point	c	c	cbcw	bcwc

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_0$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_0$, slight rain. rr, continuous rain.
<, less than (for cloud height). ↗gale.
⊕ Solar halo. ⓤ lunar halo. ⌂ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

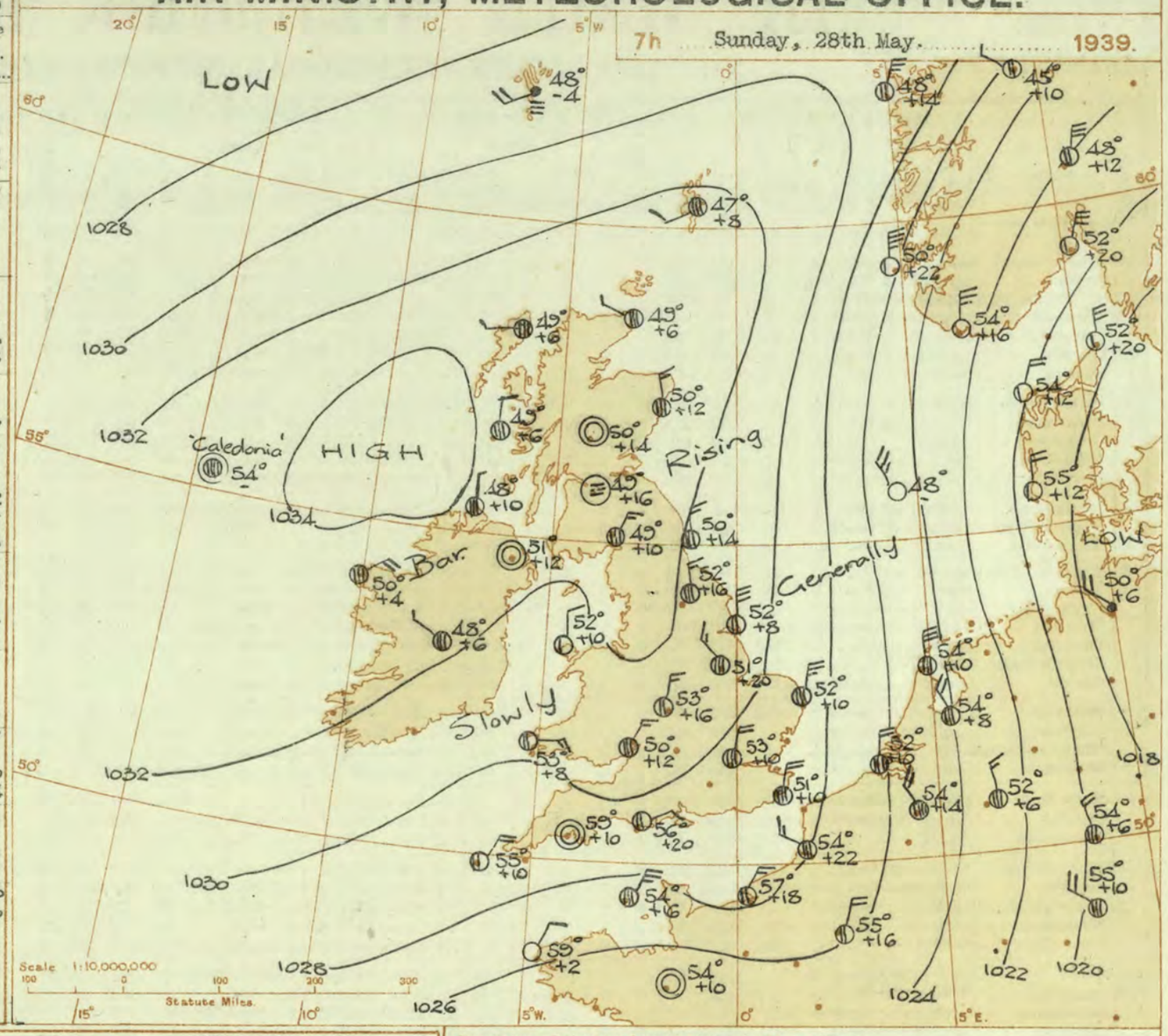
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 27th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 26th to 9h. 27th	Temperature. (°F) Max. 9h.—17h. 27th	Rainfall. (mm.) Night. 17h. 26th to 9h. 27th	Rainfall. (mm.) Day. 9h.—17h. 27th	Sunshine. (Hrs.) Sunrise to 17h. 27th	Sunshine. (Hrs.) Sunrise to Sunset. 27th
1	Tunbridge W.	bc	bcc	43	72	-	-	6·6	11·1
	Bournemouth	b	bbc	50	77	-	-	11·0	12·5
	Ventnor ...	bz	b	51	70	-	-	11·4	10·6
	Southsea ...	b	b	51	75	-	-	10·5	12·3
	Bognor Regis	bcb	bbcb	46	74	-	-	9·0	10·5
	Littlehampton	bc	bc	46	73	-	-	8·8	11·1
	Worthing ...	bcb	bcb	49	73	-	-	8·8	10·7
	Brighton ...	bc	bc	52	72	-	-	9·1	10·9
	Eastbourne† ...	cbc	bcyby	50	69	-	-	7·2	9·7
	Hastings† ...	cbcb	bc	47	72	-	-	6·9	9·8
	Folkestone ...	mbc	cam.	47	65	-	-	5·0	11·2
	Dover ...	bc	bcc	47	62	-	-	4·0	11·5
	Deal	cbcb	cbc	46	69	-	-	4·8	10·2
	Ramsgate ...	bcc	coc	48	69	-	-	3·2	10·8
	Margate ...	bcc	c	48	66	-	-	2·2	10·5
2	Southend ...	bcc	cocv	50	72	-	-	3·5	12·0
	Clacton-on-Sea	bcc	cbc	50	68	-	-	2·9	12·6
	Dovercourt ...	bc	bc	49	67	-	-	3·0	12·6
	Lowestoft ...	ccid.	cidbc	47	66	-	Trace	2·3	11·6
	Skegness ...	ocbco	b	51	65	-	-	4·6	*
	Mablethorpe...	obc	b	52	69	-	-	5·8	13·1
	Cleethorpes ...	bcb	bbv	55	67	-	-	7·4	13·2
3	Leamington S.	c	c	49	65	-	-	2·9	12·5
4	Cheltenham†	qcbcc	bcc	49	73	-	-	6·7	11·8
5	Bath	b	bbc	53	74	-	-	10·8	12·2
	Weymouth ...	b	b	47	67	-	-	11·1	13·3
	Jersey ...	b	b	47	68	-	-	12·1	6·8
	Torquay ...	b	bvy	50	74	-	-	11·9	13·4
	Falmouth ...	b	b	47	65	-	-	11·9	12·8
	Penzance ...	b	b	49	67	-	-	11·5	11·0
	St. Ives ...								
	Bude... ...	wb	b	*	61	-	-	11·7	13·1
	Ilfracombe ...	bcb	b	52	63	-	-	10·4	13·0
6	Aberystwyth	bcc	c	49	60	-	-	2·9	11·7
7	Llandudno ...	co	cdc	55	59	-	Trace	0·8	5·5
	Colwyn Bay...	oc	cbc	57	61	-	-	0·3	10·0
	Rhyl	co	ocbc	56	59	-	-	1·3	10·4
8	Wallasey ...	oc	cbc	55	61	-	-	1·7	10·0
	Southport ...	obc	bccb	54	61	-	-	3·0	8·6
	Blackpool ...	odfcm	cbcb	54	58	-	0·3	4·4	8·8
	Morecambe ...	cbc	bcb	49	61	-	-	7·3	6·9
9	Ilkley... ...	bc	b	54	69	-	-	8·3	10·0
	Harrogate ...	bbc	bbc	53	69	Trace	-	8·6	10·0
10	Berwick-on-T.	bcc	ebc	53	61	-	-	9·2	6·2
11	Dunbar ...	bc	bc	51	62	-	-	11·1	5·8
12	Troon... ...	cbcb	bccbc	50	59	Trace	-	6·1	3·8
	Douglas ...	bc	b	53	58	0·3	-	6·3	6·5

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



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 28th May, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate north to northeast winds, strong locally at first on coasts; cloudy, perhaps slight local showers near east coast, brighter intervals inland; average temperature inland, rather cool near coast.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate northeast winds; fair, rather warm.
10 N.E. England 11 S.E. Scotland	Light to moderate north to northeast winds; mainly cloudy; average temperature.
12 S.W. Scotland & Isle of Man.	As 4 - 9.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	Light variable winds; mainly cloudy, slight drizzle locally in the north and west; average temperature.
19 S. E. Ireland 20 S. W. Ireland	As 4 - 9.

GENERAL INFERENCE.

An anticyclone centred to northwest of Ireland is spreading east. Apart from a few local showers near the east coast weather will be mainly fair in most districts. It will be cooler than of late in the east and rather warm in the west.

FURTHER OUTLOOK.

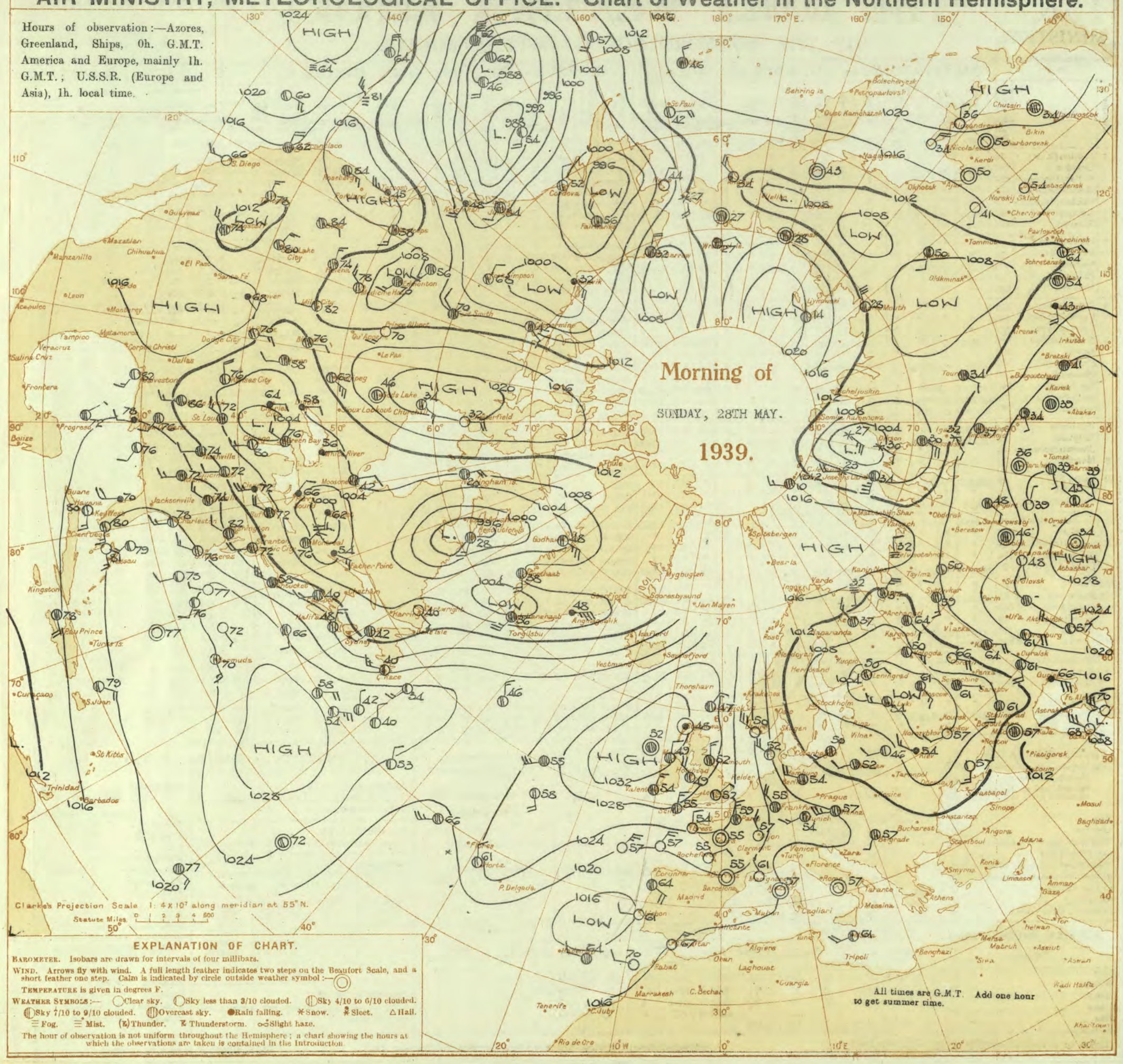
Fair in most districts.

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1.
G.466/3684.Wt.8103.D.4526 Gp.948.35&40.5/39

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, 28th May, 1939.
No. 28311.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·5	+10	ENE	1	b	52	92	7	5	3	–	1	1	4000
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·8	+16	NNE	3	b	49	92	6	5	–	–	Tr	Tr	4000
	Manston ...	154	1026·7	+10	N	2	b	48	92	6	–	–	–	0	0	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1026·3	0	NW	3	bc	49	75	7	5	–	–	2-3	2-3	2500
	Mildenhall ...	19														
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027·9	0	N	4	bc	53	97	8	4	–	–	2-3	2-3	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1026·7	+6	ENE	2	bc	56	85	8	5	–	–	4-6	4-6	4000
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·4	−2	N	4	bc	50	92	8	7	–	–	2-3	2-3	4000
	Scilly (St. Mary's)	163	1028·5	0	NNE	3	c	55	97	8	5	3	–	4-6	7-8	2500
	Guernsey ...	175	1025·6	0	NE'E	4	b	57	85	7	–	–	–	0	0	–
6	Pembroke ...	142	1029·5	+6	NE	3	bc	50	92	8	7	–	–	2-3	2-3	2500
7	Holyhead ...	26	1029·9	+6	NNW	4	b	49	85	8	8	4	4	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1028·4	+6	N'W	3	c	52	85	7	–	7	–	0	7-8	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1029·9	+14	N	3	c	52	85	8	8	–	–	7-8	7-8	1500
11	St. Abbs Head	280	1030·5	+8	N	1	c	50	85	9	7	6	–	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1029·9	+14	N'W	3	b	50	92	8	5	–	–	Tr	Tr	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1032·1	+6	–	0	d.d.	48	97	6	5	2	–	4-6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1030·9	+14	NNW	1	c/d	48	97	7	3	2	–	9+	10	1500
16	Lerwick ...	156	1029·9	+12	NE	3	c	47	92	8	5	2	–	7-8	10	1500
17	Blacksod Point	18	1032·7	+4	NE	4	bc	51	85	8	4	–	–	4-6	4-6	2500
18	Malin Head ...	84	1033·0	+6	N	2	c	49	85	8	4	–	–	7-8	7-8	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1031·3	0	NNE	3	c/f	54	97	7	5	–	–	9+	9+	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	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)
London (Kew)	1030·4	+20	NE	4	c	53	75	8	5	–	–	9+	9+	2500	0	*
Croydon ...	1029·3	+10	N'E	4	c	53	75	8	5	–	–	9+	9+	2500	0	*
S. Farnborough	1029·8	+12	N'E	2	b	53	63	8	–	4	1	0	Tr	–	0	*
Boscombe Down	1030·3	+18	NE	3	b	55	75	7	–	4	–	0	1	–	0	*
Calshot (Sthmtn.)	1029·4	+22	N'E	2	b	57	75	8	5	–	1	Tr	1	4000	0	1
Lympne ...	1028·2	+10	NNE	4	c	51	85	8	5	–	–	9+	9+	1500	0	§2
Manston ...	1029·0	+18	N	4	c	51	85	7	5	–	–	10	10	1500	0	*
Shoeburyness...	1029·4	+16	N	3	c	52	85	8	5	–	–	10	10	4000	0	*
Felixstowe ...	1029·4	+12	NE	4	c	51	85	9	5	–	–	9+	9+	1500	0	2
Gorleston ...	1028·1	+10	N'E	5	c	52	75	7	5	–	–	9	9	2500	0	3
Mildenhall ...	1030·2	+18	N	4	id.	51	85	8	5	–	–	9+	9+	1500	1	*
Cranwell ...	1031·1	+20	NNW	3	c	51	85	8	5	–	–	10	10	1500	0	*
Birmingham ...	1031·2	+16	NNE	3	bc	53	85	8	1	–	–	2-3	2-3	4000	0	*
Upper Heyford	1030·7	+16	N	2	z.	51	92	6	5	–	–	9	9	4000	1	*
Ross-on-Wye	1031·3	+12	NE	3	z.	50	92	5	5	–	–	10	10	450	0	*
Hartland Point	1029·3	+8	NNE	4	b	54	85	8	4	–	–	Tr	Tr	2500	0	2
Bristol ...	1030·7	+18	NE	1	b	53	85	6	–	–	–	0	0	–	0	*
Portland Bill ...	1029·4	+20	ENE	2	bc	56	85	7	5	–	–	4-6	4-6	4000	0	2
Plymouth ...	1028·7	+10	–	0	b	59	75	8	–	–	–	0	0	–	0	0
The Lizard ...	1028·1	+12	NE	3	bc	56	85	8	8	6	–	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1029·0	+10	NE'N	4	bc	55	92	8	8	–	–	2-3	2-3	2500	0	2
Guernsey ...	1027·6	+16	NE	5	c	54	85	6	8	–	–	9	9	4000	0	3
Pembroke ...	1030·4	+8	E	3	bc	53	85	8	–	7	–	0	2-3	–	0	1
Holyhead ...	1031·4	+10	N	2	b	52	85	7	5	–	–	1	1	450	0	2
Chester (Sealand)	1032·1	+14	W'N	1	z.	54	92	6	–	3	–	0	1	–	0	*
Manchester ...	1031·8	+12	NE'E	3	bc	55	75	8	7	3	–	2-3	2-3	4000	0	*
Spurn Head ...	1030·6	+8	N	6	bc	52	85	7	5	–	–	2-3	2-3	4000	0	3
Catterick ...	1032·5	+16	N	3	c	52	75	7	5	–	–	10	10	1500	0	*
Tynemouth ...	1031·9	+14	N	3	c	50	97	8	8	–	–	9+	9+	1500	0	1
St. Abbs Head	1033·0	+20	N	2	c	50	75	8	5	6	–	7-8	10	2500	0	2
Leuchars ...	1033·4	+16	–	0	c	51	92	8	5	7	–	9	10	1500	0	*
Renfrew (Abbots I.)	1033·0	+16	–	0	cf	49	97	3	5	–	–	9+	9+	4000	0	*
Eskdalemuir ...	1033·1	+10	NE'N	3	c	49	85	8	5	–	–	10	10	800	0	*
Point of Ayre...	1031·9	+12	E'S	3	b	54	85	7	–	–	–	0	0	–	0	2
Tiree	1033·0	+6	N	2	c	49	85	8	5	–	–	9	9	2500	0	2
Stornoway ...	1033·4	+6	W	1	c	49	97	8	5	2	–	7-8	10	1500	1	0
Dalwhinnie ...	1033·6	+14	–	0	b	50	75	8	–	–	–	0	0	–	0	*
Aberdeen ...	1033·0	+12	N'W	3	c	50	85	8	5	–	–	9+	9+	1500	0	1
Wick ...	1032·6	+6	WNW	1	c/d	49	97	6	5	7	–	7-8	9+	800	1	1
Lerwick ...	1032·1	+8	WSW	2	c	47	85	8	5	7	–	4-6	9	1500	0	*
Blacksod Point	1033·2	+4	NE'E	4	c	50	92	8	–	7	–	0	9	–	0	3
Malin Head ...	1034·0	+10	N	1	c	48	85	8	5	–	–	9	9	1500	0	2
Aldergrove ...	1032·7	+12	–	0	b	51	85	8	5	–	–	Tr	Tr	1500	0	*
Birr Castle ...	1032·4	+6	NW	1	c	48	92	8	5	–	–	10	10	2500	0	*
Valentia Obsy. †	1031·3	+4	NE'E	4	b	56	85	9	1	–	–	Tr	Tr	1500	0	1
Roches Point	1031·8	+14	NE	3	c	53	92	8	5	–	–	9+	9+	2500	0	1

PAST 24 HOURS.

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 27th Hrs. (36)
London (Kew)	69	50	39	–	–	6·2
Croydon ...	71	47	36	–	–	6·2
S. Farnborough	73	41	32	–	–	9·1
Boscombe Down	72	45	41	–	–	9·7
Calshot (Sthmtn.)	75	50	46	–	–	10·6
Lympne ...	71	44	38	–	–	6·8
Manston ...	68	47	42	–	–	9·7
Shoeburyness...	72	46	38	–	–	4·8
Felixstowe ...	70	46	43	–	–	3·9
Gorleston ...	63	46	45	Tr	–	4·2
Mildenhall ...	68	41	35	–	Tr	2·8
Cranwell ...	69	49	40	–	–	6·1
Birmingham ...	63	46	41	–	–	4·4
Upper Heyford	67	45	41	–	–	*
Ross-on-Wye	71	45	34	–	–	11·3
Hartland Point	55	51	51	–	–	14·5
Bristol ...	73	45	37	–	–	13·5
Portland Bill ...	61	54	*	–	–	*
Plymouth ...	70	55	44	–	–	(14·6)
The Lizard ...	(68)	50	*	–	–	14·7
Scilly (St. Mary's)	61	53	*	–	–	14·1
Guernsey ...	63	52	51	–	–	13·5
Pembroke ...	62	47	*	–	–	12·5
Holyhead ...	59	48	44	Tr	–	3·8
Chester (Sealand)	58	46	43	0·1	–	4·4
Manchester ...	63	42	37	Tr	–	6·8
Spurn Head ...	63	50	*	–	Tr	9·7
Catterick ...	69	50	44	–	–	10·4
Tynemouth ...	61	50	46	–	–	14·1
St. Abbs Head	63	48	*	–	–	*
Leuchars ...	67	42	32	–	–	11·3
Renfrew (Abbots I.)	60	41	35	–	–	10·3
Eskdalemuir ...	63	47	45	–	–	13·5
Point of Ayre...	60	49	*	0·2	–	8·7
Tiree	54	48	46	Tr	–	0·0
Stornoway ...	54	48	*	Tr	0·4	1·6
Dalwhinnie ...	62	30	22	–	–	8·1
Aberdeen ...	61	49	48	–	–	3·0
Wick ...	54	47	*	Tr	1	*
Lerwick ...	55	46	*	Tr	–	1·5
Blacksod Point	58	48	*	0·1	–	*
Malin Head ...	54	46	*	Tr	Tr	2·2
Aldergrove ...	60	47	42	Tr	–	3·9
Birr Castle ...	65	42	34	–	–	2·6
Valentia Obsy. †	62	54	51	–	–	3·6
Roches Point	68	50	*	–	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW...	18	bc z.c	bc c	bc c	69	50	39	–	–	6·2	*	*	9
CROYDON	217	cm bc	bc c	bc z.b bc	71	47	36	–	–	6·2	*	*	7
GREENWICH (Royal Observatory)...	149	c	c	cbc	70	49	37	–	–	4·3	69	73	7
CITY (Gunhill Row)	—	*	*	*	*	*	*	*	*	4·3	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	72	52	47	–	–	4·3	68	76	*
REGENTS PK. (Botanic Gardens)‡...	168	*	*	*	70	48	42	–	–	5·0	57	80	*
CAMDEN SQUARE	110	bc	c	*	71	50	44	–	–	*	At 18h 70	75	*
KENSINGTON	80	bc	c	*	71	50	40	–	–	3·6	*	81	*
HAMPSTEAD OBSERVATORY	450	bc	b	c	70	47	43	–	–	6·3	*	83	*

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	Whole period.		

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·1	7h 28th	<0·1	Rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 27th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 28th May Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
PARIS	1022·9	N	2	bc	72	1026·1	NNE	4	bc	55	72	54	–	–
BRUSSELS	1023·1	NNW	3	0	59	1025·5	NNW	4	0	54	70	50	–	–
BERLIN	1016·1	W	3	c	57	1012·9	NW	4	pr	50	63	50	Tr	1
ZÜRICH						1019·0	NE	1	0	54		48		–
ROME	1012·7	WNW	2	bc	66						*	*	–	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 29th May, 1939.
No. 28312.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form Low (9)	Form Med. (10)	Form High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1030.9	−2	N'E	4	bc	62	55	8	1	–	–	2-3	2-3	2500
	Croydon	1029.9	−6	NE'N	3	bc	64	55	8	1	–	–	2-3	2-3	4000
	S. Farnborough	1030.6	−6	NNE	3	bc	63	55	8	1	–	–	4-6	4-6	4000
	Boscombe Down	1031.4	+6	NE'E	3	bc	61	65	8	1	–	–	4-6	4-6	2500
	Calshot (Soton.)	1030.8	+6	NE'N	3	c	64	55	8	1	–	–	7-8	7-8	2500
	Lympne ...	1029.7	0	N'E	4	b	59	55	8	1	–	–	1	1	4000
	Manston ...	1030.4	+6	NNE	4	b	57	75	7	5	–	–	Tr	Tr	1500
2	Shoeburyness ...	1030.4	0	N	3	bc	62	65	9	1	–	–	4-6	4-6	4000
	Felixstowe ...	1030.2	+2	NNE	4	b	63	55	9	1	–	–	1	1	2500
	Gorleston ...	1030.8	+10	N'W	6	bc	56	65	7	7	–	–	4-6	4-6	2500
	Mildenhall ...	1031.6	+6	N	4	bc	59	65	8	1	–	–	4-6	4-6	2500
	Cranwell ...	1032.1	+6	N'E	3	bc	61	55	8	1	–	–	2-3	2-3	2500
3	Birmingham ...	1032.2	+2	NE	2	bc	60	65	8	7	–	–	4-6	4-6	4000
	Upper Heyford	1031.6	0	NE'N	3	bc	63	55	8	7	–	–	4-6	4-6	2500
4	Ross-on-Wye ...	1031.7	+4	ENE	3	bc	62	55	7	7	–	–	4-6	4-6	4000
5	Hartland Point	1030.7	+6	NE	3	bc	59	75	8	7	–	–	2-3	2-3	4000
	Bristol	1031.8	+8	NE'E	4	bc	61	65	8	4	–	–	4-6	4-6	2500
	Portland Bill ...	1030.3	+6	E	2	bc	60	75	8	1	–	–	2-3	2-3	4000
	Plymouth ...	1030.2	+6	E	3	bc	65	75	8	1	–	–	2-3	2-3	4000
	The Lizard ...	1030.2	+6	E'S	4	bc	63	65	8	7	4	–	2-3	4-6	4000
	Scilly (St. Mary's)	1030.0	+2	ENE	4	bc	63	85	7	7	3	–	1	4-6	4000
	Guernsey ...	1029.1	+6	ENE	6	b	59	65	8	–	1	–	0	Tr	–
6	Pembroke ...	1031.9	+6	S'W	2	bc	57	85	7	7	–	–	2-3	2-3	4000
7	Holyhead ...	1032.7	+6	N'W	3	b	57	85	7	2	–	–	Tr	Tr	2500
	Chester (Sealand)	1032.7	0	NE	1	2_0	65	55	6	8	–	–	7-8	7-8	2500
8	Manchester ...	1033.2	+2	E'N	3	2_0	62	55	6	1	–	–	Tr	Tr	4000
10	Spurn Head ...	1032.9	+8	N'E	5	c	54	75	7	2	4	–	7-8	9+	4000
	Catterick ...	1034.1	+6	NNE	2	2_0	56	75	6	5	–	–	10	10	2500
	Tynemouth ...	1034.5	+10	N	3	c	52	85	8	8	–	–	9+	9+	2500
11	St. Abbs Head...	1034.2	+6	—	0	c	52	85	9	8	6	–	7-8	9	2500
	Leuchars ...	1034.0	+2	SSW	2	bc	60	65	8	7	–	–	4-6	4-6	4000
12	Renfrew (Abbotsl.)	1033.6	−2	NW	1	2_0	66	65	6	1	–	–	4-6	4-6	4000
	Eskdalemuir ...	1032.9	0	E	1	bc	62	55	9	1	–	–	4-6	4-6	4000
	Point of Ayre ...	1033.9	+10	E	2	b	59	75	8	1	–	–	Tr	Tr	4000
13A	Tiree	1034.8	+8	NNW	1	c	52	85	8	5	–	–	9+	9+	4000
13B	Stornoway ...	1034.3	+4	SSE	3	c	53	85	8	5	7	–	4-6	9+	2500
15	Dalwhinnie ...	*	+2	W	3	b	68	35	8	–	6	–	0	Tr	–
	Aberdeen ...	1033.7	+2	E'S	2	bc	55	75	8	7	–	–	2-3	2-3	1500
	Wick	1034.1	+8	W	3	c	53	85	9	5	7	–	7-8	9	2500
16	Lerwick... ...	1032.0	−2	SW	4	c	50	75	8	5	7	–	7-8	9+	1500
17	Blacksod Point...	1033.7	−2	NE	4	b	56	85	9	1	–	–	1	1	4000
18	Malin Head ...	1035.6	+8	NNE	1	c	51	85	8	5	–	–	9	9	1500
	Aldergrove ...	1033.5	+2	NNW	1	c	63	75	7	5	–	–	9+	9+	2500
19	Birr Castle ...	1032.9	0	ENE	1	c	54	85	8	5	1	–	7-8	10	2500
20	Valentia Obsy.†	1032.3	+2	SE	3	bc	58	75	9	7	–	–	4-6	4-6	2500
	Roches Point ...	1031.8	+2	NE'N	3	b	61	75	9	1	–	–	Tr	Tr	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form Low. (23)	Form Med. (24)	Form High. (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)...	1030.8	0	NE'N	3	b	63	55	8	–	–	–	0	0	–	0	*
	Croydon	1029.8	−2	N'E	4	b	63	55	9	–	–	–	0	0	–	0	*
	S. Farnborough	1030.4	+2	NE'N	3	b	63	45	8	–	–	–	0	0	–	0	*
	Boscombe Down	1030.5	+2	NE'E	3	b	64	55	8	–	–	–	0	0	–	0	*
	Calshot (Soton.)	1029.9	−2	NE'N	4	b	67	45	6	–	–	–	0	0	–	0	2
	Lympne ...	1030.2	+2	NNE	4	b	56	75	8	–	–	–	0	0	–	0	§3
	Manston ...	1030.6	+2	NE'N	5	b	52	85	7	–	–	1	0	Tr	–	0	*
2	Shoeburyness ...	1030.7	0	ENE	4	b	57	85	8	–	–	–	0	0	–	0	*
	Felixstowe ...	1030.8	+2	NNE	3	b	58	65	8	–	–	–	0	0	–	0	3
	Gorleston ...	1031.3	0	N	5	c	53	75	7	7	–	–	9	9	2500	0	3
	Mildenhall ...	1031.7	−2	N'E	4	b	55	65	8	5	–	–	Tr	Tr	4000	0	*
	Cranwell ...	1032.5	0	NE'N	3	b	55	75	8	1	–	–	Tr	Tr	2500	0	*
3	Birmingham ...	1031.4	−6	ENE	2	b	64	55	8	1	–	–	Tr	Tr	4000	0	*
	Upper Heyford	1031.1	−4	NE	2	b	62	55	8	–	–	–	0	0	–	0	*
4	Ross-on-Wye ...	1030.7	−6	E'N	3	b	65	55	7	1	–	–	Tr	Tr	4000	0	*
5	Hartland Point	1029.4	−10	NE	3	b	59	75	8	–	–	–	0	0	–	0	2
	Bristol	1030.5	−4	ENE	3	b	65	55	8	4	–	–	1	1	4000	0	*
	Portland Bill ...	1029.5	−10	W	2	b	56	85	8	–	–	–	0	0	–	0	2
	Plymouth ...	1029.5	0	E	3	b	63	55	8	1	–	–	Tr	Tr	4000	0	1
	The Lizard ...	1029.4	−6	NE'E	2	bc	59	75	8	7	–	–	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1029.4	−10	E'N	3	b	59	85	8	–	–	–	0	0	–	0	3
	Guernsey ...	1028.7	−2	NE	5	b	57	75	8	–	–	8	0	Tr	–	0	3
6	Pembroke ...	1030.8	−8	NE	4	bc	63	65	7	7	–	–	2-3	2-3	2500	0	1
7	Holyhead ...	1032.2	−2	N'E	2	b	57	85	7	–	–	–	0	0	–	0	2
	Chester (Sealand)	1031.7	−4	NW	3	b	63	65	7	–	–	–	0	0	–	0	*
8	Manchester ...	1031.7	−10	E'N	2	b	67	45	7	–	–	–	0	0	–	0	*
10	Spurn Head ...	1032.8	0	NNE	5	c	51	75	7	5	4	–	9+	10	2500	0	3
	Catterick ...	1033.2	−8	NE'N	2	2_0	55	75	6	–	–	–	0	0	–	0	*
	Tynemouth ...	1033.6	−10	E	2	bc	52	85	8	2	–	–	2-3	2-3	2500	0	1
11	St. Abbs Head...	1033.0	−6	SE	3	b	53	75	9	4	–	–	1	1	2500	0	2
	Leuchars ...	1032.8	−2	E	3	b	56	75	8	–	–	–	0	0	–	0	*
12	Renfrew (Abbotsl.)	1032.2	−6	WNW	3	b	67	65	8	1	–	–	Tr	Tr	4000	0	*
	Eskdalemuir ...	1031.2	−4	SE'E	2	bc	65	55	9	1	–	–	2-3	2-3	4000	0	*
	Point of Ayre ...	1033.0	−10	NW	2	b	59	75	8	–	–	–	0	0	—	0	1
13A	Tiree	1033.8	−8	NNW	2	bc	52	85	8	1	4	–	2-3	2-3	4000	0	2
13B	Stornoway ...	1034.1	−2	SE	1	c	52	85	9	5	5	–	2-3	9	4000	0	0
15	Dalwhinnie ...	1032.6	−6	W	3	b	69	45	8	—	6	1	0	1	—	0	*
	Aberdeen ...	1033.1	−6	E'S	2	b	52	85	7	5	7	1	1	1	1500	0	1
	Wick	1032.7	−4	NW	2	c	54	85	9	5	6	1	4-6	7-8	1500	1	1
16	Lerwick... ...	1030.7	−8	WSW	4	c	50	85	8	8	7	–	7-8	9+	800	0	*
17	Blacksod Point...	1032.0	−8	NE	4	b	56	85	9	1	–	–	1	1	5700	0	3
18	Malin Head ...	1034.3	−6	NE	2	c	50	85	8	5	6	–	4-6	7-8	5700	0	1
	Aldergrove ...	1032.0	−6	NE'E	2	bc	65	75	7	5	–	–	4-6	4-6	2500	0	*
19	Birr Castle ...	1031.5	−10	ENE	1	bc	63	85	7	1	–	–	4-6	4-6	2500	0	*
20	Valentia Obsy.†	1030.9	−6	W'N	3	b	58	75	8	1	–	–	1	1	4000	0	1
	Roches Point ...	1031.4	−6	SE	3	b	58	85	8	–	–	–	0	0	–	0	1

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 28th (37)	13h.—18h. 28th (38)	18h. 28th to 1h. 29th (39)	1h.—7h. 29th (40)
London (Kew)...	cbcy	bcby	byb	bcc
Croydon	cbc	byv	bvyb, cm_0	cm_0c
S. Farnborough	bvcbcy	bcby	byb	b, c
Boscombe Down	bbccbc	bcby	b, c	cm_0
Calshot (Soton.)	bcbcy	bcy by	b	bbccm$_0$
Lympne ...	cb	byb	b	b, c
Manston ...	cb	b	bbcwc	bcc
Shoeburyness ...	cbc	bcb	b	bwc
Felixstowe ...	cvbcvy	bvy	bwc	ccv
Gorleston ...	cq	bccq	cq	cq
Mildenhall ...	cid_0cbc	bcb	bvbcc	c
Cranwell ...	cbcy	bcyb	bbcc	c
Birmingham ...	b, cbc	bcb	b	b, c
Upper Heyford	cm_0cbc	bcy by	bybc	cm_0
Ross-on-Wye ...	cm_0bcz_0	bcy bcy	b	bmwcfom
Hartland Point	bbc	bcb	b	b
Bristol	b, cbc	bcby	b	bbccw
Portland Bill ...	bc	bcb	b	bcic
Plymouth ...	b	by	b	by
The Lizard ...	bc	bc	bcbw	bcb
Scilly (St. Mary's)	bccbc	bcb	bbcb	bw
Guernsey ...	b	b	bcb	bwbc
Pembroke ...	bc	bc	b	bzdw
Holyhead ...	b, cb	bm_0	bm_0w	bw
Chester (Sealand)	bwm$_0$cz_0	bcz_0y	bm_0w	bmmw
Manchester ...	bcbz_0	bz_0y by	bybz$_0$	bz$_0$bmdw
Spurn Head ...	c	c	fo	oc
Catterick ...	ccz_0	bz_0	bm_0	wbm$_0$mf
Tynemouth ...	c	cbc	bc	bccm
St. Abbs Head...	c	b	c	c
Leuchars ...	$c_0$cbc	bcb	b	b, cwc
Renfrew (Abbotsl.)	ffm$_0$bc	$m_0$bcb	bw	fgffbm$_0$
Eskdalemuir ...	bcy	bcbvy	byb	bbc
Point of Ayre ...	b	b	bbw	bw
Tiree	c	cbc	bcb	bcb
Stornoway ...	cd_0	c	c	c
Dalwhinnie ...	b	b		bcb
Aberdeen ...	cvbvb	bbcb	bbw	bwbcc
Wick	cm$_0$c	cbcc	c	c
Lerwick... ...	c	c	orffe	ofc
Blacksod Point...	bc	bc	bc	bc
Malin Head ...	c	cbcc	cffo	offo
Aldergrove ...	b, cbcc	cbc	bc	bfm$_0$bf
Birr Castle ...	c	cbcy	bc	bcbw
Valentia Obsy.†	cbc	b	bw	bwb
Roches Point ...	b	bcb	bw	bwb

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_0, slight rain. rr, continuous rain.
<, less than (for cloud height). ✓ gale.
⊕ Solar halo. ☾ lunar halo. ☆ Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

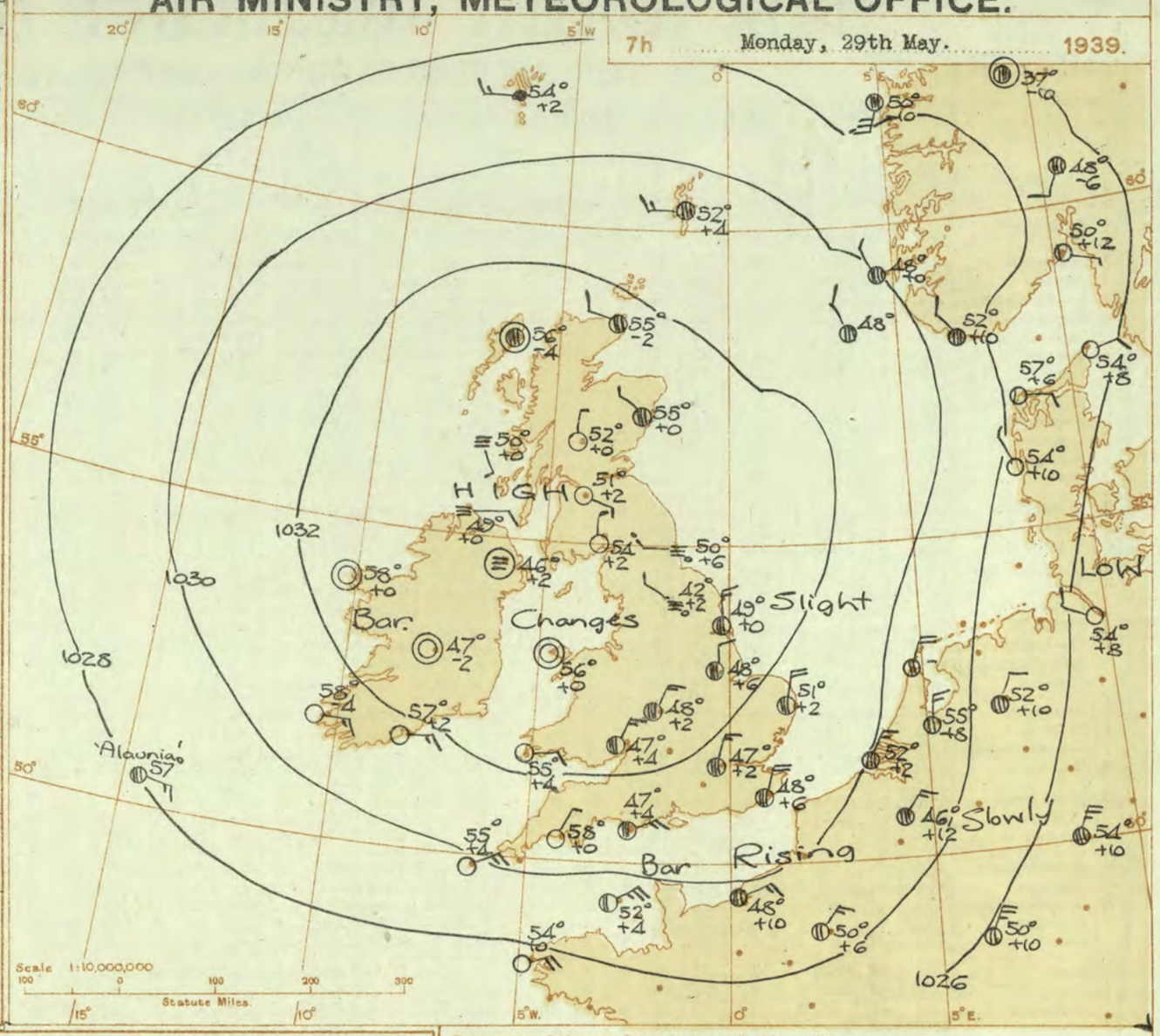
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 28th May 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 27th to 9h. 28th	Temperature. (°F) Max. 9h.—17h. 28th	Rainfall. (mm.) Night. 17h. 27th to 9h. 28th	Rainfall. (mm.) Day. 9h.—17h. 28th	Sunshine. (Hrs.) Sunrise to 17h. 28th	Sunshine. (Hrs.) Sunrise to Sunset. 27th
1	Tunbridge W.	ocb	b	45	66	—	—	7.5	6.6
	Bournemouth	b	b	48	69	—	—	11.7	12.0
	Ventnor ...	pbcz	bz	54	67	—	—	11.5	12.8
	Southsea ...	b	b	53	69	—	—	12.0	11.8
	Bognor Regis	bcb	b	51	68	—	—	10.9	10.5
	Littlehampton	bc	bcb	50	68	—	—	11.2	10.3
	Worthing ...	b	b	51	67	—	—	11.6	9.6
	Brighton ...	b	b	52	69	—	—	11.0	9.8
	Eastbourne† ...	cbc	bcyb	49	64	—	—	8.0	7.6
	Hastings† ...	cbcb	b	47	67	—	—	8.4	6.9
	Folkestone ...	vcbc	bc	48	64	—	—	9.1	5.6
	Dover ...	bc	bcb	49	62	—	—	6.8	4.4
	Deal	cocb	b	46	60	—	—	8.4	5.5
	Ramsgate ...	c	bc	45	57	—	—	7.7	3.8
	Margate ...	cbc	bc	51	55	—	—	8.4	.27
2	Southend ...	cb	b	48	66	—	—	8.0	11.6
	Clacton-on-Sea	cbc	bcb	47	64	—	—	8.4	4.0
	Dovercourt ...	bc	bc	47	*	—	—	8.8	3.2
	Lowestoft ...	cbcb	bbcc	45	58	—	—	8.6	2.7
	Skegness ...	bcocb	bbc	46	56	—	—	7.4	5.1
	Mablethorpe...	bco	bcc	44	55	—	—	7.2	8.2
	Cleethorpes ...	bc	bc	51	55	—	—	9.7	8.9
3	Leamington S.	ocbc	bcb	45	67	—	—	6.0	5.1
4	Cheltenham†	cbcbc	bcb	44	69	—	—	7.5	7.3
5	Bath	bbcb	b	46	68	—	—	11.2	15.2
	Weymouth ...	b	b	52	66	—	—	12.2	13.7
	Jersey ...	b	cb	54	63	—	—	10.9	14.6
	Torquay ...	b	b	53	63	—	—	12.3	14.5
	Falmouth ...	b	b	53	63	—	—	10.6	14.5
	Penzance ...	bbccb	b	55	67	—	—	9.8	13.6
	St. Ives ...								
	Bude... ...	b	b	52	70	—	—	12.2	14.0
	Ilfracombe ...	bcb	b	51	65	—	—	11.8	12.5
6	Aberystwyth	bc	bc	45	68	—	—	12.0	4.0
7	Llandudno ...	b	bz	50	60	—	—	9.8	3.1
	Colwyn Bay...	bcb	b	48	61	—	—	9.7	2.2
	Rhyl	b	b	51	65	—	—	10.6	3.7
8	Wallasey ...	c	c	51	65	—	—	9.4	4.4
	Southport ...	cbcc	cbcb	44	67	—	—	9.4	5.5
	Blackpool ...	bc	b	42	65	—	—	10.7	7.0
	Morecambe ...	b	b	48	67	—	—	12.4	9.9
9	Ilkley... ...	cb	b	51	63	—	—	5.2	9.4
	Harrogate ...	cbc	bcb	49	59	—	—	4.8	9.6
10	Berwick-on-T.	o	cbcb	49	54	—	—	3.3	9.6
11	Dunbar ...	bc	bc	49	56	—	—	5.1	13.1
12	Troon... ...	bcbbc	bcbbc	44	58	—	—	10.5	8.5
	Douglas ...	bzo	bzo	47	61	—	—	11.3	8.1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
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. 29th May, 1939.
1 S.E. England 2 E. England ...	Light to moderate northeast wind; fair or fine; rather warm during the day but cool locally near the east coast.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate northeast wind; fine; local morning fog; warm during the day.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland	Light variable wind; fine; local morning fog; warm during the day.
16 Orkney and Shetland	Moderate west wind; cloudy; local drizzle and fog; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate southeast wind; fine; local morning fog; warm during the day.

GENERAL INFERENCE.

An anticyclone covers the British Isles.
Weather will be fair or fine.

FURTHER OUTLOOK.

Little change.

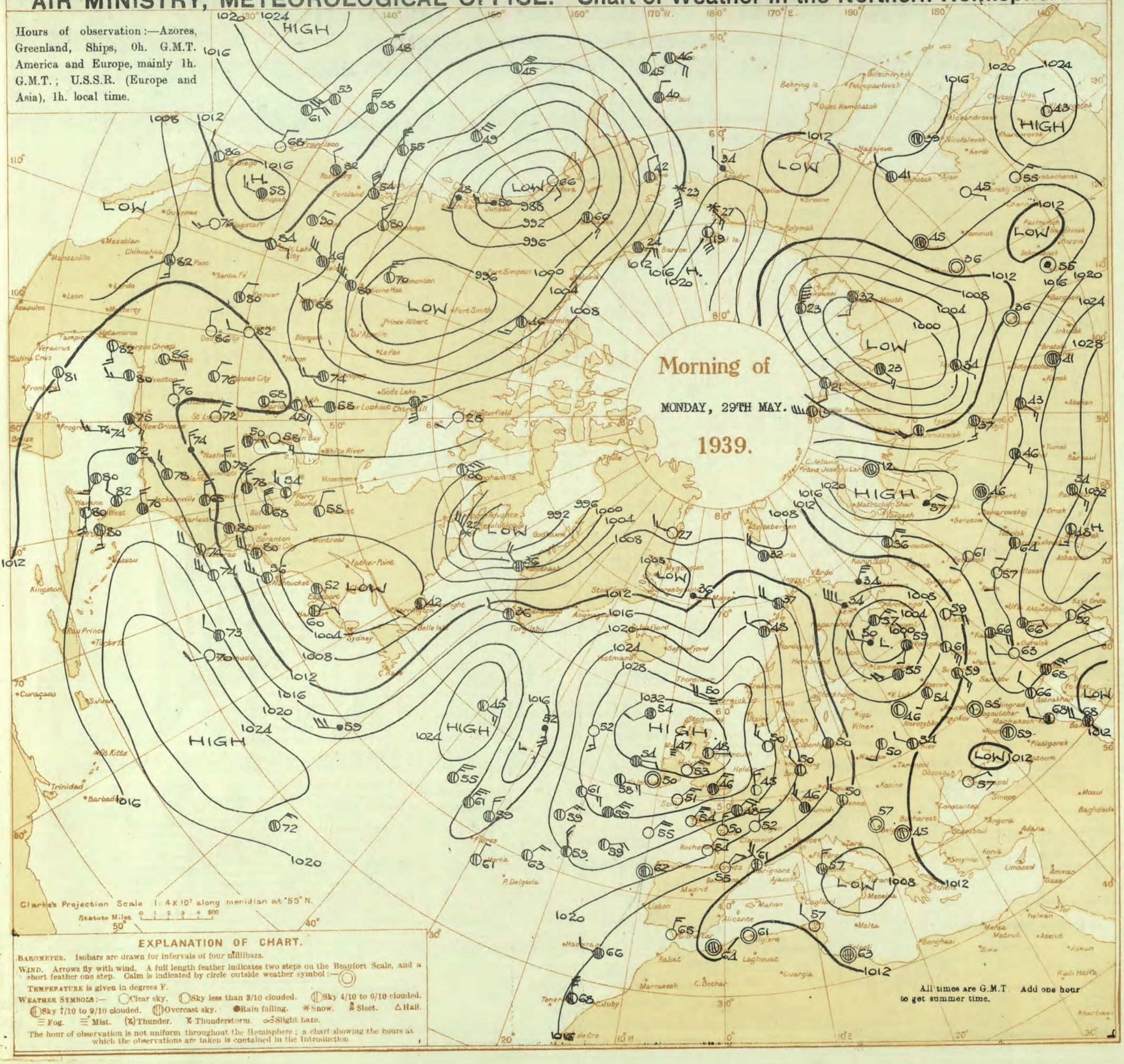
Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 29th May, 1939.
No. 28312.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1031·4	+4	NE	3	c	46	92	6	5	–	–	10	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1030·6	–4	NNE	4	b	45	95	7	5	–	–	1	1	1500
	Manston ...	154	1031·3	–6	N'E	5	c	47	85	8	5	–	–	7-8	7-8	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1031·3	–2	N'W	4	c	49	75	7	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	498	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Roes-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1030·7	+4	ENE	3	b	56	75	8	–	–	–	0	0	–
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1030·5	0	E	2	b	51	92	8	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1029·9	–2	ENE	4	b	53	92	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1029·8	–4	ENE	3	b	51	97	8	–	–	–	0	0	–
	Guernsey ...	175	1029·3	+2	NE	3	b	50	92	8	–	–	–	0	0	–
6	Pembroke ...	142	1031·1	0	E	2	b	55	75	8	–	–	–	0	0	–
7	Holyhead ...	26	1032·4	0	E'N	3	b	53	85	7	–	–	–	0	0	–
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1033·3	+4	NNE	3	o	49	85	7	5	–	–	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1033·9	+6	E	1	bc	48	92	6	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	1033·6	+6	S	2	c	50	85	9	5	–	–	7-8	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1033·2	+2	NW'W	2	b	51	97	8	–	–	–	0	0	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1034·3	+2	S	1	c	50	97	8	5	7	–	9	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1033·1	+4	NW	2	c	53	92	8	5	2	–	7-8	10	1500
16	Lerwick ...	156	1030·4	–4	W	4	F	50	97	1	–	–	–	10	10	<150
17	Blacksod Point	18	1032·0	0	–	0	b	52	92	8	–	–	–	0	0	–
18	Malin Head ...	84	1034·5	+2	N	1	f	47	85	2	–	–	–	10	10	<150
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1031·4	–2	–	0	b	50	97	7	–	–	–	0	0	–
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount Low 0–10 (26)	Cloud. Amount Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1032·2	+4	NE	3	c	49	75	7	5	–	–	9	9	2500	0	*
Croydon ...	1031·8	+2	NNE	3	c	47	85	8	5	–	–	7-8	7-8	1500	0	*
S. Farnborough	1032·2	+2	NE	2	c	48	75	8	5	–	–	9+	9+	2500	0	*
Boscombe Down	1032·2	+2	NE	3	Zo	48	85	6	5	–	–	9+	9+	1500	0	*
Calshot (Sthmtn.)	1031·7	+6	NE'E	3	Zo	48	85	7	7	–	–	9+	9+	1500	0	2
Lympne ...	1031·1	+6	NNE	4	c	48	75	8	5	–	–	9	9	1500	0	§2
Manston ...	1031·3	+2	NNE	4	c	49	75	7	5	–	–	9+	9+	1500	0	*
Shoeburyness ...	1032·1	+6	NNE	3	c	49	75	8	5	–	–	9+	9+	2500	0	*
Felixstowe ...	1032·4	+8	N'E	4	c	49	75	8	7	–	–	7-8	7-8	2500	0	3
Gorleston ...	1031·8	+2	N'E	4	c	51	65	7	8	–	–	7-8	7-8	2500	0	3
Mildenhall ...	1032·4	+2	N'E	3	c	49	75	8	5	–	–	9	9	1500	0	*
Cranwell ...	1033·3	+6	N	2	c	48	85	8	5	–	–	10	10	1500	0	*
Birmingham ...	1033·2	+2	NE	3	c	48	85	6	5	–	–	10	10	1500	0	*
Upper Heyford	1032·8	+2	NE	3	c	47	85	7	5	–	–	9+	9+	1500	0	*
Roes-on-Wye	1033·0	+4	NE	3	Zo	47	85	6	5	–	–	10	10	800	0	*
Hartland Point	1030·8	+2	NE	3	b	53	75	8	–	–	–	0	0	–	0	1
Bristol ...	1032·7	+4	NE'E	3	c	48	92	8	5	–	–	9+	9+	800	0	*
Portland Bill ...	1031·1	+4	ENE	3	c	47	92	7	5	7	–	7-8	10	2500	0	3
Plymouth ...	1030·6	0	NE	1	b	58	85	8	–	–	–	0	0	–	0	0
The Lizard ...	1029·9	0	ENE	4	b	55	85	8	–	–	–	0	0	–	0	1
Scilly (St. Mary's)	1030·2	+4	ENE	3	b	55	92	7	–	–	–	0	0	–	0	2
Guernsey ...	1029·2	+4	ENE	5	bc	52	75	8	1	7	–	2-3	2-3	1500	0	3
Pembroke ...	1032·2	+4	E'S	2	b	55	85	6	–	–	–	0	0	–	0	1
Holyhead ...	1032·2	0	–	0	b	56	85	7	–	–	–	0	0	–	0	0
Chester (Sealand)	1032·2	+2	SE	2	Zo	51	85	6	–	–	–	0	0	–	0	*
Manchester ...	1033·5	+2	SE	1	Zo	52	85	5	–	–	–	0	0	–	0	*
Spurn Head ...	1033·2	0	N	3	c	49	85	8	5	–	–	10	10	2500	0	3
Catterick ...	1034·3	+2	NW	1	m	42	97	4	5	–	–	10	10	800	1	*
Tynemouth ...	1033·9	+6	W	1	m	50	92	4	5	–	–	7-8	7-8	1500	0	1
St. Abbs Head	1033·1	+4	–	0	c	56	65	8	5	6	–	4-6	9	2500	0	1
Leuchars ...	1033·8	–2	NW	1	c	53	85	8	5	7	–	7-8	9	4000	0	*
Renfrew (Abbots L.)	1033·7	+2	SE'S	1	Zo	51	92	5	–	–	–	0	0	–	0	*
Eskdalemuir ...	1033·2	+2	N'E	1	bc	54	85	8	5	–	–	4-6	4-6	4000	0	*
Point of Ayre ...	1032·9	0	S'W	1	b	55	92	7	–	–	–	0	0	–	0	0
Tiree	1032·0	0	SSE	1	f	50	97	2	–	–	–	10	10	<150	0	1
Stornoway ...	1033·0	–4	–	0	c	56	75	8	5	7	–	7-8	7-8	2500	1	0
Dalwhinnie ...	*	0	N	1	b	52	85	7	4	6	–	1	1	2500	0	*
Aberdeen ...	1033·1	0	NW'N	1	c	55	85	6	5	–	–	9+	9+	4000	0	1
Wick ...	1032·4	–2	WNW	2	c	55	97	3	5	–	9	9+	9+	2500	1	1
Lerwick ...	1030·5	+4	W	3	c	52	92	8	5	3	–	4-6	9	1500	0	*
Blacksod Point	1031·0	0	–	0	b	58	85	8	–	–	–	0	0	–	0	0
Malin Head ...	1032·2	0	E	2	F	49	85	1	–	–	–	10	10	<150	0	1
Aldergrove ...	1033·3	+2	–	0	bf	46	97	2	–	–	–	0	0	–	0	*
Birr Castle ...	1032·0	–2	–	0	b	47	97	7	–	–	–	0	0	–	0	*
Valentia Obsy. †	1030·4	–4	E'S	3	b	58	75	8	–	–	–	0	0	–	0	0
Roches Point	1031·4	+2	E	3	b	57	85	8	–	–	–	0	0	–	0	1

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 28th Hrs. (36)
London (Kew)	63	45	41	–	–	10·7
Croydon ...	66	45	43	–	–	10·0
S. Farnborough	66	44	40	–	–	11·2
Boscombe Down	66	41	33	–	–	14·1
Calshot (Sthmtn.)	70	45	43	–	–	13·8
Lympne ...	60	44	41	–	–	10·8
Manston ...	57	46	43	–	–	11·1
Shoeburyness ...	65	45	36	–	–	10·1
Felixstowe ...	64	45	42	–	–	11·7
Gorleston ...	56	48	47	–	–	7·2
Mildenhall ...	60	47	45	–	–	11·5
Cranwell ...	62	46	45	–	–	12·1
Birmingham ...	65	43	39	–	–	10·3
Upper Heyford	65	43	35	–	–	*
Roes-on-Wye	66	44	34	–	–	10·9
Hartland Point	62	50	47	–	–	14·7
Bristol ...	66	43	34	–	–	13·2
Portland Bill ...	62	46	*	–	–	*
Plymouth ...	67	50	40	–	–	14·7
The Lizard ...	63	52	*	–	–	12·4
Scilly (St. Mary's)	63	50	*	–	Tr	13·1
Guernsey ...	61	49	46	–	–	12·3
Pembroke ...	64	50	*	–	–	13·4
Holyhead ...	60	51	39	–	–	13·4
Chester (Sealand)	67	46	44	–	–	10·8
Manchester ...	67	41	38	–	–	13·4
Spurn Head ...	55	47	*	–	–	8·1
Catterick ...	59	37	32	–	–	5·4
Tynemouth ...	54	46	38	–	–	6·3
St. Abbs Head	57	47	*	–	–	*
Leuchars ...	64	47	40	–	–	8·0
Renfrew (Abbots L.)	68	42	38	–	–	13·0
Eskdalemuir ...	68	45	41	–	–	9·1
Point of Ayre ...	64	44	*	–	–	14·6
Tiree	53	45	45	–	–	4·0
Stornoway ...	56	50	*	Tr	–	3·4
Dalwhinnie ...	70	36	27	–	–	14·5
Aberdeen ...	55	43	35	–	–	7·9
Wick ...	56	49	*	–	–	*
Lerwick ...	52	48	*	–	Tr	0·2
Blacksod Point	59	47	*	–	–	*
Malin Head ...	52	45	*	–	–	0·3
Aldergrove ...	67	38	37	–	–	10·4
Birr Castle ...	68	42	34	–	–	7·3
Valentia Obsy. †	63	49	38	–	Tr	13·6
Roches Point	(61)	49	*	–	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew ...	18	cbcy	bcby	bybbcc	63	45	41	–	–	10·7	*	*	7
Croydon ...	217	cbc	byv	byhcm	66	45	43	–	–	10·0	*	*	7
Greenwich (Royal Observatory) ...	149	cb	by	bcb	65	44	38	–	–	9·9	51	62	8
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	9·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	47	43	–	–	9·8	55	65	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	67	45	42	–	–	9·6	54	63	*
Camden Square ...	110	c	bc	*	68	46	41	–	–	*	*	63	*
Kensington ...	80	c	cbc	*	66	46	40	–	–	10·4	At 18h 55	73	*
Hampstead Observatory ...	450	b	b	bc	62	43	40	–	–	9·7	*	72	*

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	the whole period		

Kew Observatory. Max.	Time.	Min.	Time.
<0·1	the whole period		

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 28th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th May. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...						1028·1	NE	3	bc	50		45		–
Brussels ...	1026·4	NNW	4	bc	59	1029·6	NE	3	o	46	64	46	–	–
Berlin ...						1023·6	N	2	c	55		50		Tr
Zurich ...						1021·0	NNW	1	fd	46		46		–
Rome ...	1008·7	–	0	bc	50	1004·5	NW	3	c	55	*	*	–	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	1½ miles.
5 Poor visibility	2½ „
6 Moderate „	6½ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 30th May, 1939.
No. 28313.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1030.8	−10	NE'E	3	b	62	55	8	—	–	–	0	0	–
	Croydon ...	1030.1	−14	NE	3	b	63	55	8	–	–	–	0	0	–
	S. Farnborough	1030.6	−10	ENE	3	b	64	45	8	–	–	–	0	0	–
	Boscombe Down	1031.1	−6	NE	3	b	63	55	7	–	–	–	0	0	–
	Calshot (Soton.)	1030.4	−6	SE	3	b	63	55	8	–	–	–	0	0	–
	Lympne ...	1030.9	−6	NE'N	4	b	56	65	8	5	–	–	Tr	Tr	2500
	Manston ...	1031.6	−6	NE'N	4	b	54	75	7	1	–	–	1	1	2500
2	Shoeburyness ...	1031.8	−4	ENE	4	bc	56	75	8	1	–	–	4-6	4-6	2500
	Felixstowe ...	1031.6	−6	E'N	4	b	58	55	8	1	–	–	1	1	2500
	Gorleston ...	1032.4	+2	NNE	4	bc	54	65	7	2	–	–	4-6	4-6	4000
	Mildenhall ...	1031.9	−6	NNE	3	b	60	55	8	1	–	–	Tr	Tr	4000
	Cranwell ...	1032.7	−6	NE	2	bc	59	65	7	1	–	–	2-3	2-3	2500
3	Birmingham ...	1032.9	−6	NE	3	b	58	55	7	–	–	–	0	0	–
	Upper Heyford	1031.6	−8	NE'E	2	b	61	65	7	1	–	–	Tr	Tr	4000
4	Ross-on-Wye ...	1031.2	−12	E'N	3	b	62	55	7	–	–	–	0	0	–
5	Hartland Point	1030.1	−6	NE	3	b	56	75	8	1	–	–	Tr	Tr	4000
	Bristol ...	1030.9	−14	NE'E	4	b	64	55	8	4	–	–	Tr	Tr	2500
	Portland Bill ...	1030.7	−10	SE	3	b	54	85	7	—	–	–	0	0	–
	Plymouth ...	1029.9	−8	SW'S	4	b	56	75	8	1	–	–	Tr	Tr	2500
	The Lizard ...	1029.8	0	E'S	4	bc	58	75	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1030.0	−2	E	5	bc	62	85	8	1	–	–	2-3	2-3	4000
	Guernsey ...	1029.3	−4	ENE	5	b	54	75	7	–	–	–	0	0	–
6	Pembroke ...	1031.6	−4	—	0	b	56	85	6	–	4	–	0	Tr	–
7	Holyhead ...	1031.4	−6	ENE	4	b	66	55	7	–	–	–	0	0	–
	Chester (Sealand)	1031.9	−12	ESE	2	z$_0$	69	45	6	–	–	–	0	0	–
8	Manchester ...	1032.0	−10	NE	2	b	68	45	7	–	–	–	0	0	–
10	Spurn Head ...	1033.6	0	NE	3	c	55	65	7	5	–	–	9+	9+	2500
	Catterick ...	1032.9	−6	NE	2	z$_0$	62	65	6	1	–	–	2-3	2-3	4000
	Tynemouth ...	1033.7	0	SE	3	bc	54	75	8	2	–	–	2-3	2-3	1500
11	St. Abbs Head...	1033.0	0	SE	3	bc	59	75	9	7	–	–	2-3	2-3	2500
	Leuchars ...	1032.8	−6	ESE	3	b	65	55	9	7	–	–	1	1	4000
12	Renfrew (Abbotsl.)	1031.9	−10	WSW	3	z$_0$	70	55	6	1	–	–	2-3	2-3	4000
	Eskdalemuir ...	1031.4	−8	S'E	1	bc	67	55	7	8	–	–	4-6	4-6	4000
	Point of Ayre ...	1032.4	−2	SE'S	2	b	64	75	6	1	–	–	Tr	Tr	4000
13A	Tiree ...	1031.6	−2	SSW	2	bc	57	85	7	7	6	–	2-3	4-6	1500
13B	Stornoway ...	1031.9	−6	SSE	1	b	57	85	9	1	3	–	Tr	1	4000
15	Dalwhinnie ...	1032.0	−14	SW	3	bc	69	45	8	4	6	–	1	2-3	4000
	Aberdeen ...	1032.4	−8	SSE	2	bc	65	55	7	7	–	–	4-6	4-6	2500
	Wick ...	1032.0	−4	S	1	c	55	92	9	5	6	–	7-8	9	2500
16	Lerwick...	1029.8	−2	W	5	c	57	75	8	5	7	–	4-6	7-8	1500
17	Blacksod Point...	1030.0	−8	SW	2	bc	67	69	8	1	–	–	2-3	2-3	4000
18	Malin Head ...	1032.1	−6	E	3	bc	53	85	8	1	–	–	2-3	2-3	5700
	Aldergrove ...	1031.7	−10	WNW	1	b	68	65	8	1	–	–	1	1	4000
19	Birr Castle ...	1030.8	−6	ESE	1	bc	72	55	7	1	–	–	4-6	4-6	2500
20	Valentia Obsy.†	1029.8	−6	SE'E	3	b	71	55	8	1	–	–	Tr	Tr	4000
	Roches Point ...	1031.3	0	ESE	3	b	62	75	9	–	–	–	0	0	–

OBSERVATIONS at 18h. G.M.T. 29th May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	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)	Weather 7h.—13h. 29th (37)	Weather 13h.—18h. 29th (38)	Weather 18h 29th to 1h. 30th (39)	Weather 1h.—7h. 30th (40)
London (Kew)...	1029.4	−8	E	3	b	65	55	7	–	–	–	0	0	–	0	*	cbcby	by	byb	bcc
Croydon ...	1029.6	+2	E'N	4	b	61	75	8	–	–	–	0	0	–	0	*	cbcby	byb	bwbc	c
S. Farnborough	1028.7	−12	NE	3	b	66	45	8	1	–	–	Tr	Tr	5700	0	*	cbcvcby	by	bwbw	b,cbbcc
Boscombe Down	1028.9	−14	NNE	3	b	65	55	8	–	–	–	0	0	–	0	*	bcm$_0$by	by	b	bbc
Calshot (Soton.)	1029.1	−6	S	1	b	61	75	8	–	–	–	0	0	–	0	2	cm$_0$bzy	byb	b	bbccm$_0$
Lympne ...	1029.5	−10	NNE	4	b	53	65	8	–	–	–	0	0	–	0	§3	cb	b	cbc	bccb
Manston ...	1030.1	−12	NNE	5	b	51	85	7	5	–	–	1	1	1500	0	*	c,b	b	bbw,c	c
Shoeburyness ...	1030.1	−10	NE'E	4	b	55	75	8	–	–	–	0	0	–	0	*	cbc	bcb	b	b,c
Felixstowe ...	1030.0	−10	E'N	4	b	58	75	8	–	–	–	0	0	–	0	3	cv,bvy	bvy	bv,c	cpr$_0$cid$_0$
Gorleston ...	1031.0	−8	N'E	4	bc	53	75	7	1	–	–	4-6	4-6	2500	0	3	cbc	bc	bccoid$_0$	oid,c
Mildenhall ...	1030.8	−6	NNE	4	b	60	55	9	–	–	–	0	0	–	0	*	cbcbvy	bvy	bvybcco	omd$_0$d,id$_0$
Cranwell ...	1031.5	−8	NE	3	b	57	65	8	–	–	–	0	0	–	0	*	cbcb	bbyb	b	boffd$_0$
Birmingham ...	1030.5	−8	NE	3	b	63	45	8	–	–	–	0	0	–	0	*	cb	b	b	b
Upper Heyford	1030.5	−6	NE'E	2	b	61	55	8	–	–	–	0	0	–	0	*	cb	by	b	bm$_0$fcm$_0$
Ross-on-Wye ...	1029.4	−10	ENE	3	b	65	55	8	–	–	–	0	0	–	0	*	om$_0$cb	by	b	b
Hartland Point	1028.2	−8	NE	1	b	61	55	8	1	–	–	Tr	Tr	2500	0	2	b	by	by	b
Bristol ...	1029.2	−8	ENE	3	b	66	55	8	–	–	–	0	0	–	0	*	cbcby	by	b	bbccm$_0$
Portland Bill ...	1029.4	−12	SW	2	b	56	85	7	–	–	–	0	0	–	0	2	cbc	b	b	bc
Plymouth ...	1028.6	−6	W	2	b	59	75	8	–	–	–	0	0	–	0	2	byb	bbyb	b	bwb
The Lizard ...	1028.2	−8	E'S	4	b	56	86	7	–	–	–	0	0	–	0	1	bc	bcb	b	bbcw
Scilly (St. Mary's)	1028.9	−8	E'S	3	b	57	85	7	–	–	–	0	0	–	0	2	bbc	bcb	bw	b
Guernsey ...	1027.5	−8	NE	5	b	55	65	8	–	–	–	0	0	–	0	4	b	b	b	bbcc
Pembroke ...	1029.5	−8	—	0	b	58	75	6	–	–	–	0	0	–	0	1	bz$_0$	bz$_0$	bz$_0$	bz$_0$
Holyhead ...	1029.8	−8	N'E	2	b	58	75	9	–	–	–	0	0	–	0	1	by	by	bwm$_0$	bwm$_0$
Chester (Sealand)	1030.2	−8	SE	2	z$_0$	68	65	6	–	–	–	0	0	–	0	*	bm$_0$wcz$_0$y	bz$_0$y	bwm$_0$	bm$_0$w
Manchester ...	1030.3	−10	E'N	3	b	69	45	7	–	–	–	0	0	–	0	*	bm$_0$z$_0$yby	by	byb	bbmw
Spurn Head ...	1032.4	−6	ENE	2	b	52	85	7	–	–	–	0	0	–	0	1	c	cb	bcFf	ffd$_0$d
Catterick ...	1031.7	−6	N'E	2	b	60	65	7	–	–	–	0	0	–	0	*	cm$_0$bm$_0$	bz$_0$yby	bm$_0$w	wm$_0$fm$_0$
Tynemouth ...	1032.5	−12	E	2	bc	51	92	8	2	–	–	4-6	4-6	2500	0	1	cmbc	bcc	bc	bc
St. Abbs Head...	1031.1	−8	SSE	4	bc	56	75	9	4	–	–	2-3	2-3	2500	0	2	bcby	b	b	b
Leuchars ...	1030.9	−10	SE	3	b	63	55	9	–	–	–	0	0	–	0	*	cbcby	by	byb	bbw
Renfrew (Abbotsl.)	1030.2	−10	SW	2	b	71	45	8	–	–	–	0	0	–	0	*	bm$_0$mbcz$_0$	bz$_0$y bcb	byz$_0$w	bfgm$_0$w
Eskdalemuir ...																*	bbcy		bcyb	bw
Point of Ayre ...	1030.8	−8	NW	1	b	65	75	8	–	–	–	0	0	–	0	0	bz	b	b	b
Tiree ...	1029.9	−4	—	0	b	55	85	8	–	–	5	0	1	–	0	1	id$_0$ifc	bcb	bbccw	cbcw
Stornoway ...	1029.7	−14	SSE	3	b	57	75	9	1	–	–	Tr	Tr	4000	0	1	cb	b	bw	bw
Dalwhinnie ...	1030.0	−6	SW	4	bc	67	55	8	4	6	–	2-3	2-3	4000	0	*	b	bc		bc
Aberdeen ...	1031.0	−10	S'E	3	b	58	65	7	5	–	–	Tr	Tr	4000	0	1	cz$_0$bcy	bcyb	bbw	bwbz$_0$
Wick ...	1030.3	−10	SSE	3	bc	55	92	8	7	7	–	2-3	2-3	2500	0	1	c	cbc	bc	bcb
Lerwick...	1029.8	0	WSW	3	c	53	85	8	5	7	–	4-6	9	1500	0	*	cbcc	c	c	c
Blacksod Point...	1028.6	−10	—	0	bc	62	85	8	–	3	–	0	4-6	–	0	1	b	bc	b	b
Malin Head ...	1029.7	−10	N	2	b	56	85	8	–	–	–	0	0	–	0	1	bcifbc	bc	bc	byb
Aldergrove ...	1030.0	−8	SE	3	z$_0$	67	65	6	1	–	–	Tr	Tr	4000	0	*	ffm$_0$b	cm$_0$bm$_0$	bm$_0$	bm$_0$jf
Birr Castle ...	1029.0	−10	S	1	b	73	45	7	–	–	–	0	0	–	0	*	bbcy	bcby	b	b
Valentia Obsy.†	1028.5	−6	SE'S	3	b	69	35	8	–	–	–	0	Tr	–	0	0	bbcby	by	bybw	bwb
Roches Point ...	1029.7	−14	SE	3	b	60	85	8	–	–	–	0	0	–	0	1	b	b	bw..	bw

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, low fog over sea (coast station).
fg. low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_0$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_0$, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. Lunar halo. Aurora.
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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. ,, covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

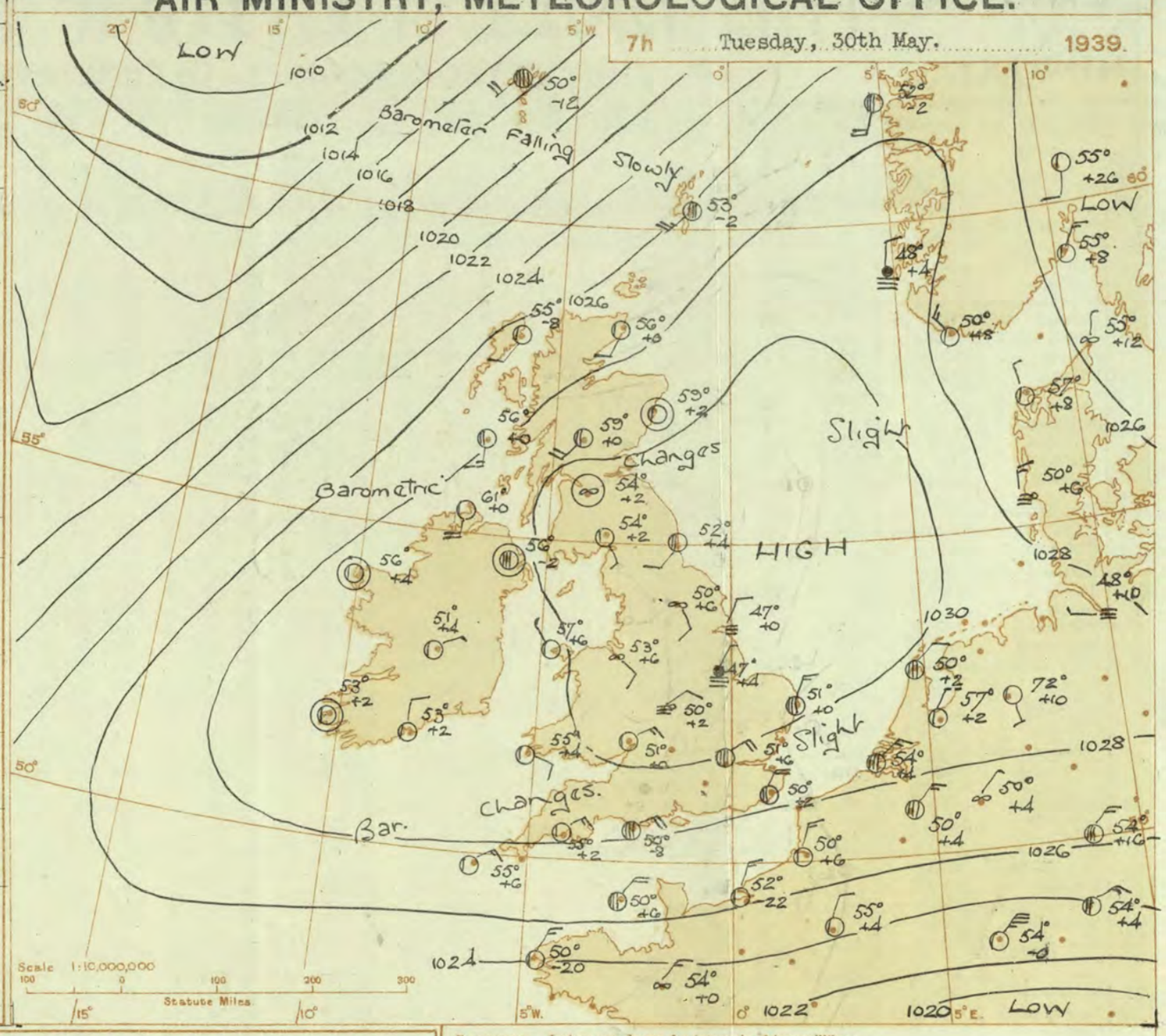
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 29th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 28th to 9h. 29th	Temperature. (°F.) Max. 9h.—17h. 29th	Rainfall. (mm.) Night. 17h. 28th to 9h. 29th	Rainfall. (mm.) Day. 9h.—17h. 29th	Sunshine. (Hrs.) Sunrise to 17h. 25th	Sunshine. (Hrs.) Sunrise to Sunset 28th
1	Tunbridge W.	bcb	b	43	63	–	–	8.7	9.8
	Bournemouth	b	b	43	63	–	–	9.5	14.4
	Ventnor ...	cb	b	45	64	–	–	10.9	13.3
	Southsea ...	b	b	45	64	–	–	10.8	14.4
	Bognor Regis	bcb	b	45	63	–	–	10.6	13.2
	Littlehampton	bc	bcb	45	76	–	–	10.1	13.6
	Worthing ...	b	b	46	64	–	–	9.5	13.8
	Brighton ...	b	b	45	67	–	–	10.5	13.0
	Eastbourne† ...	cb	by	45	62	–	–	8.6	10.1
	Hastings† ...	bcb	b	44	63	–	–	8.2	10.8
	Folkestone ...	cbc	bcb	46	59	–	–	7.7	11.4
	Dover ...	cbc	bc	47	59	–	–	6.4	10.9
	Deal	obc	b	48	58	–	–	6.0	10.7
	Ramsgate ...	c	bc	47	59	–	–	5.6	9.9
	Margate ...	cbc	bc	45	55	–	–	6.4	9.6
2	Southend ...	bcb	b	47	60	–	–	10.0	10.2
	Clacton-on-Sea	bc	bcb	45	57	–	–	10.0	10.6
	Dovercourt ...	bc	b	46	58	–	–	10.3	11.1
	Lowestoft ...	bbc	b	47	58	–	–	10.0	9.1
	Skegness ...	oc	b	46	54	–	–	4.3	7.4
	Mablethorpe...	oc	cbcb	48	53	–	–	2.2	7.2
	Cleethorpes ...	cbcv	bcbv	49	55	–	–	5.1	9.7
3	Leamington S.	cbc	b	46	66	–	–	7.5	8.2
4	Cheltenham†	bcb	b	44	76	–	–	7.9	10.1
5	Bath	bcb	b	45	68	–	–	8.7	14.3
	Weymouth ...	b	b	47	58	–	–	11.6	14.9
	Jersey ...	cb	b	49	61	–	–	12.1	13.3
	Torquay ...	b	b	53	56	–	–	12.6	14.7
	Falmouth ...	b	b	51	61	–	–	12.4	12.7
	Penzance ...	b	b	51	65	–	–	11.7	11.8
	St. Ives ...								
	Bude... ...	b	b	46	71	–	–	12.3	14.8
	Ilfracombe ...	bcb	b	49	63	–	–	12.2	13.3
6	Aberystwyth	zbc	bbc	48	71	–	–	12.0	14.3
7	Llandudno ...	b	bz	46	67	–	–	12.0	11.8
	Colwyn Bay...	zb	b	45	66	–	–	11.6	12.0
	Rhyl	b	b	45	76	–	–	11.6	12.7
8	Wallasey ...	bz	bz	51	68	–	–	12.0	11.7
	Southport ...	bz	bzb	45	76	–	–	11.3	11.7
	Blackpool ...	bbm.	bm bz	46	68	–	–	11.6	13.3
	Morecambe ...	b	b	48	69	–	–	11.0	14.6
9	Ilkley... ...	mb	b	41	69	–	–	6.2	7.6
	Harrogate ...	cb	b	42	66	–	–	6.8	6.7
10	Berwick-on-T.	cbc	b	48	59	–	–	10.4	6.1
11	Dunbar ...	bc	bc	50	62	–	–	8.9	7.7
12	Troon... ...	bbc	bcbbc	47	65	–	–	12.1	12.8
	Douglas ...	bz	bz	49	69	–	–	11.8	14.2

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 30th May, 1939.
1 S.E. England 2 E. England ...	Light northeast wind; fair or fine; local coast fog; rather warm during the day, but cool locally near the East Coast.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light variable or southeast wind; fine; local morning fog; warm during the day.
10 N.E. England 11 S.E. Scotland	Light or moderate southeast wind; fine; local coast fog; warm inland during the day, but cool locally near the coast.
12 S.W. Scotland & Isle of Man.	Light southeast wind; fine; local morning fog; warm during the day.
13 A. W. Scotld. B. N.W. Scotland.	Light southeast wind; fine at first, perhaps local rain to-morrow; warm to-day.
14 Mid Scotland	As 12 - 13A.
15 N. E. Scotland 16 Orkney and Shetland	Moderate south wind, fresh locally; fair at first; local rain to-morrow; warm inland to-day.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southeast wind; fine; local morning fog; warm during the day.

L.D.

GENERAL INFERENCE.

An anticyclone centred over the North Sea covers the British Isles. Weather will be fair or fine, except near the East Coast where fog or low cloud may persist locally.

FURTHER OUTLOOK.

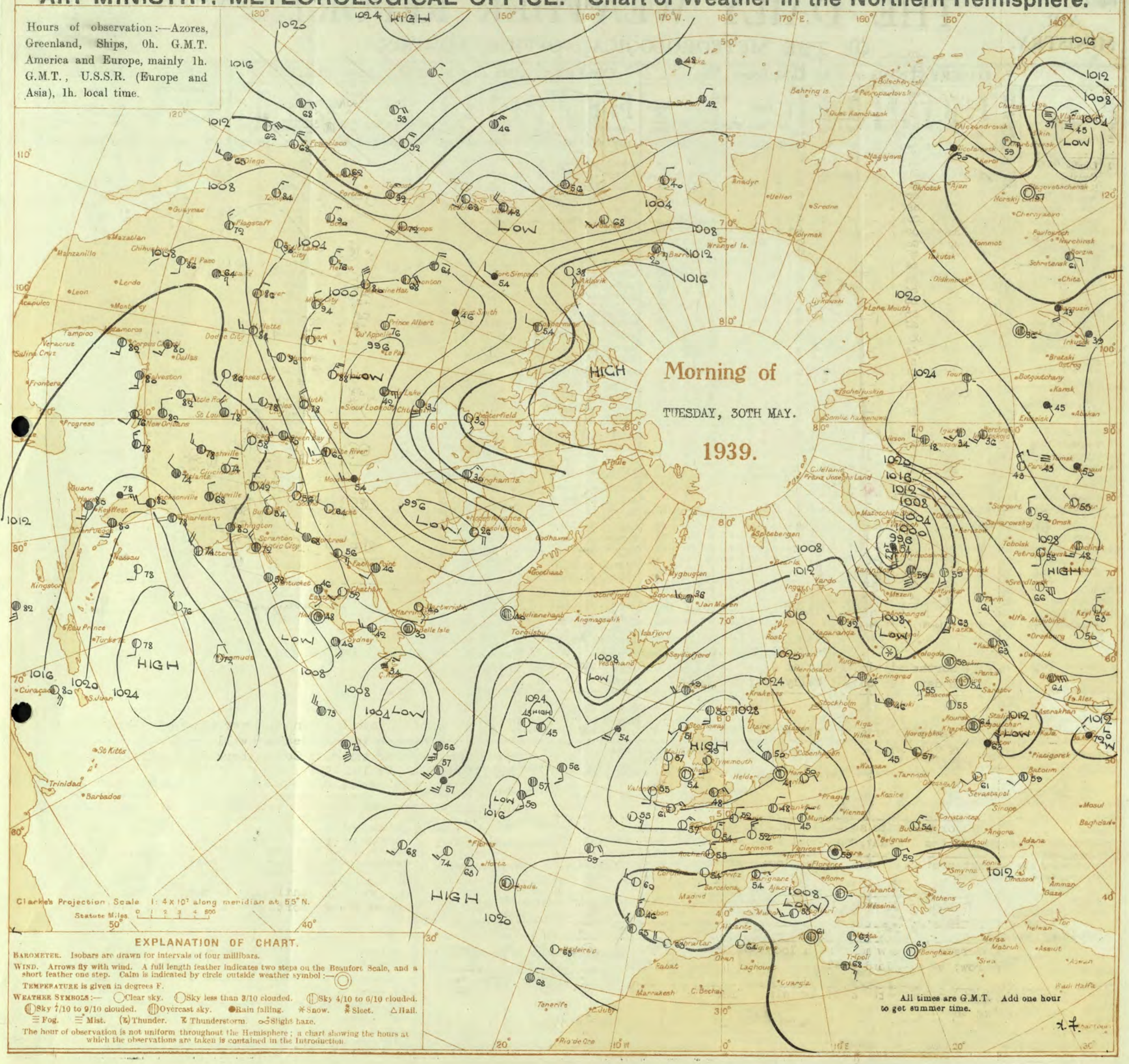
Fair weather continuing in most districts; less settled in the North.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.
G.460/3684 Wt. 6/103 D. 4626 Gp. 348 35840 5/39

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 wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. 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. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.

Tuesday, 30th May, 1933.

No. 28313.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1030·0	-4	NE	3	c	48	92	7	5	-	-	7-8	7-8	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1029·4	-6	NE	4	c	47	86	7	5	-	-	7-8	7-8	800
	Manston ...	154	1029·6	-4	NE'N	4	c	48	85	8	5	-	-	9	9	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1030·4	-6	NNE	3	id.	51	85	6	6	-	-	10	10	1500
	Mildenhall ...	19	1030·7	-6	NNE	3	c	49	97	7	5	-	-	10	10	800
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027·8	-4	E	2	b	53	65	8	-	-	-	0	0	-
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1028·3	-2	ENE	2	b	51	92	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·8	-6	NE'E	3	b	52	92	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1027·7	-6	ENE	3	b	51	97	6	-	-	-	0	0	-
	Guernsey ...	175	1026·5	-6	NE	5	b	50	85	8	-	-	-	0	0	-
6	Pembroke ...	142	1028·2	0	E	3	b	52	86	6	-	-	-	0	0	-
7	Holyhead ...	26	1029·2	-2	-	0	b	54	85	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032·2	0	NE	1	F+	47	97	1	-	-	-	10	10	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1030·9	-6	S	2	bc	49	92	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1030·2	-6	S	3	b	52	85	8	-	-	-	0	0	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1030·3	0	S'E	2	b	52	97	8	-	-	-	0	0	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1028·4	-4	WSW	1	b	51	92	7	5	-	-	1	1	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1028·1	-10	S	2	bc	50	92	8	5	4	-	2-3	2-3	2500
16	Lerwick ...	156	1029·0	-10	S	4	c	50	92	8	5	7	-	4-6	9	2500
17	Blacksod Point	78	1028·5	0	-	0	b	52	92	7	-	-	-	0	0	-
18	Malin Head ...	84	1029·5	-2	S	1	b	57	75	7	-	-	-	0	0	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1028·7	+6	S'W	2	b	55	65	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1030·2	+10	ENE	3	c	53	75	7	5	-	-	9+	9+	2500	0	*
	Croydon ...	1029·7	+6	NE'E	4	c	51	85	8	5	-	-	9+	9+	2500	0	*
	S. Farnborough	1029·7	+8	E'N	2	c	52	85	7	5	-	-	9+	9+	1500	0	*
	Boscombe Down	1029·7	+4	NE'E	3	bc	52	86	7	7	-	-	4-6	4-6	2500	0	*
	Calshot (Sthmtn.)	1029·1	+6	NE	3	z.	52	75	7	5	-	-	7-8	9+	1500	0	§2
	Lympne ...	1029·1	+2	NNE	4	bc	50	85	8	5	-	-	2-3	2-3	1500	0	3
	Manston ...	1029·8	+6	NE	3	c	50	85	7	5	-	-	10	10	1500	0	*
2	Shoeburyness ...	1030·1	+6	NE'N	4	c	51	85	8	5	-	-	10	10	2500	0	*
	Felixstowe ...	1030·3	+8	NE	3	id.	51	92	8	5	-	-	9+	9+	800	1	2
	Gorleston ...	1030·1	0	NE'N	3	c	51	92	6	5	-	-	9+	9+	2500	1	2
	Mildenhall ...	1030·6	+4	ENE	2	id.	50	97	6	5	-	-	10	10	800	1	*
	Cranwell ...	1031·6	+4	NE'N	1	df.	47	97	2	-	-	-	10	10	<150	1	*
3	Birmingham ...	1031·0	+2	ENE	2	m	50	85	4	5	-	-	9	9	1500	0	*
	Upper Heyford	1031·0	+6	-	0	z.	47	97	6	5	-	-	10	10	1500	0	*
4	Ross-on-Wye	1030·1	0	ENE	3	b	51	75	8	1	-	-	1	1	2500	0	*
5	Hartland Point	1028·4	+8	E	2	b	54	75	8	-	-	-	0	0	-	1	1
	Bristol ...	1030·4	+10	E	2	z.	46	97	6	5	-	-	10	10	450	0	*
	Portland Bill ...	1028·5	+8	ENE	4	c	50	85	7	5	-	-	10	10	2500	0	3
	Plymouth ...	1028·0	+2	ENE	3	b	56	75	8	1	3	-	Tr	1	2500	0	0
	The Lizard ...	1027·4	+4	NE'E	4	bc	55	85	8	7	-	-	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	1027·7	+6	ENE	3	b	55	85	8	5	-	-	1	1	4000	0	2
	Guernsey ...	1026·8	+6	NE	4	c	50	92	7	4	-	-	9+	9+	800	0	3
6	Pembroke ...	1029·7	+4	ESE	2	b	55	85	6	-	-	-	0	0	-	0	1
7	Holyhead ...	1029·9	+6	NW	1	b	57	85	7	-	-	-	0	0	-	0	§
	Chester (Sealand)	1031·4	+6	SE	2	z.	53	75	6	-	-	-	0	0	-	0	*
8	Manchester ...	1031·2	+4	-	0	m	52	85	4	-	-	-	0	0	-	1	*
10	Spurn Head ...	1031·8	0	NNE	2	f+	47	97	2	-	-	-	10	10	<150	1	1
	Catterick ...	1031·6	+6	SE'S	2	z.	50	85	5	5	-	-	4-6	4-6	4000	1	*
	Tynemouth ...	1031·3	+4	SW	2	bc	52	85	5	5	-	-	2-3	2-3	1500	0	0
11	St. Abbs Head	1030·0	0	W	2	b	54	85	7	-	-	-	0	0	-	0	1
	Leuchars ...	1029·7	+2	SW	1	b	55	92	7	-	-	-	0	0	-	0	*
12	Renfrew (Abbots I.)	1030·1	+2	-	0	z.	54	85	6	-	-	-	0	0	-	0	*
	Eskdalemuir ...	1030·5	+2	SE'S	1	b	54	85	8	5	-	-	Tr	Tr	2500	0	*
	Point of Ayre ...	1030·4	+2	SW	3	b	55	75	7	-	-	-	0	0	-	0	1
13A	Tiree ...	1027·8	0	S	3	bc	56	85	7	5	3	-	2-3	4-6	4000	0	2
13B	Stornoway ...	1027·2	-8	SSW	2	b	55	85	7	5	-	-	Tr	Tr	5700	0	1
15	Dalwhinnie ...	1030·0	0	SW	4	bc	59	55	8	4	6	-	1	2-3	4000	0	*
	Aberdeen ...	1029·1	+2	-	0	b	59	75	6	-	-	-	0	0	-	0	1
	Wick ...	1026·9	0	SSW	2	b	56	85	8	5	-	-	1	1	2500	0	1
16	Lerwick ...	1026·3	-2	SW	5	c	53	85	8	5	7	-	4-6	7-8	1500	0	1
17	Blacksod Point	1028·5	+4	-	0	b	56	92	8	-	-	-	0	0	-	0	0
18	Malin Head ...	1028·9	0	S	4	b	61	45	8	-	-	-	0	0	-	0	1
	Aldergrove ...	1029·5	-2	-	0	bjf	56	85	7	-	-	-	0	0	-	0	*
19	Birr Castle ...	1029·2	+4	ENE	1	b	51	97	7	-	-	-	0	0	-	0	*
20	Valentia Obsy. †	1028·9	+2	-	0	b	53	65	8	-	-	-	0	0	-	0	0
	Roches Point	1029·0	+2	N	2	b	53	97	8	-	-	-	0	0	-	0	1

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 29th Hrs. (36)
1	London (Kew)	66	48	40	-	-	12·0
	Croydon ...	66	47	43	-	-	11·6
	S. Farnborough	67	46	39	-	-	11·2
	Boscombe Down	67	43	*	-	-	12·5
	Calshot (Sthmtn.)	66	47	44	-	-	12·4
	Lympne ...	57	46	43	-	-	11·1
	Manston ...	55	46	45	-	-	8·7
2	Shoeburyness ...	58	47	42	-	-	11·4
	Felixstowe ...	58	48	45	-	0·3	12·9
	Gorleston ...	56	49	47	-	0·1	9·2
	Mildenhall ...	63	45	42	-	0·1	12·2
	Cranwell ...	61	39	35	-	-	8·8
3	Birmingham ...	64	45	35	-	-	8·9
	Upper Heyford	64	44	39	-	Tr	*
4	Ross-on-Wye	66	43	33	-	-	9·6
5	Hartland Point	63	53	50	-	-	15·1
	Bristol ...	67	44	37	-	-	11·5
	Portland Bill ...	56	48	*	-	-	*
	Plymouth ...	65	49	40	-	-	14·4
	The Lizard ...	60	51	*	-	-	14·8
	Scilly (St. Mary's)	62	50	*	-	-	14·7
	Guernsey ...	56	47	45	-	-	13·2
6	Pembroke ...	59	49	*	-	-	14·4
7	Holyhead ...	67	51	41	-	Tr	14·2
	Chester (Sealand)	72	46	43	-	-	12·8
8	Manchester ...	70	41	35	-	-	13·9
10	Spurn Head ...	55	45	*	-	Tr	6·4
	Catterick ...	64	38	32	-	-	10·0
	Tynemouth ...	55	46	39	-	-	10·9
11	St. Abbs Head	61	49	*	-	-	*
	Leuchars ...	66	45	37	-	-	10·4
12	Renfrew (Abbots I.)	73	42	39	-	-	13·0
	Eskdalemuir ...	X	42	36		-	8·8
	Point of Ayre ...	71	50	*	-	-	14·1
13A	Tiree ...	63	48	39	-	-	8·8
13B	Stornoway ...	59	49	*	-	-	13·8
15	Dalwhinnie ...	72	37	29	-	-	14·1
	Aberdeen ...	66	52	47	-	-	9·2
	Wick ...	57	45	*	-	-	*
16	Lerwick ...	60	49	*	-	-	6·0
17	Blacksod Point	69	47	*	-	-	*
18	Malin Head ...	59	50	*	-	-	10·6
	Aldergrove ...	71	45	39	-	-	11·1
19	Birr Castle ...	73	44	36	-	-	13·6
20	Valentia Obsy. †	72	42	36	-	Tr	14·9
	Roches Point	63	49	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 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	cbcby	by	bybbcc	66	48	40	-	-	12·0	*	*	6
Croydon ...	217	cbcby	byb	bwbcc	66	47	43	-	-	11·6	*	*	8
Greenwich (Royal Observatory) ...	149	by	by	bc	64	48	41	-	-	11·7	55	66	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	11·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	68	50	47	-	-	11·3	79	63	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	69	48	47	-	-	11·0	51	65	*
Camden Square ...	110	b	b	*	71	49	45	-	-	*	*	63	*
Kensington ...	80	bc	b	*	69	49	44	-	-	13·8	At 18h 41	64	*
Hampstead Observatory ...	450	bc	bc	bc	65	46	43	-	-	11·4	*	69	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
40·3 whole period.			

Kew Observatory. Max.	Time.	Min.	Time.
0·1	22h. 29th	40·1	0–7h. 30th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 29th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 30th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1025·0	NE	3	b	64	1024·6	NNE	2	b	55	68	48	-	-
Brussels ...	1026·6	NNE	2	b	63	1027·4	NE	3	c	50	66	46	-	-
Berlin ...														
Zürich ...	1020·8	ENE	3	c	54	1018·0	E	4	c	48	59	45	2	-
Rome ...	1004·5	W	2	c	63	*	E	3	id.	52	*	*	-	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 ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

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

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 31st May, 1939.
No. 28314.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	102 .4	-6	NNE	4	bc	63	55	7	1	–	–	2-3	2-3	2500
	Croydon	1028·6	-10	NE'E	3	b	64	65	8	4	–	–	1	1	5700
	S. Farnborough	1027·9	-14	NE	3	b	66	45	7	–	–	–	0	0	–
	Boscombe Down	1027·9	-14	NE	3	b	66	55	8	1	–	–	1	1	2500
	Calshot (Soton.)	1027·4	-14	NE'E	3	b	69	55	8	1	–	–	Tr	Tr	2500
	Lympne	1028·5	-6	NNE	5	bc	55	85	8	5	–	–	2-3	2-3	2500
	Manston	1029·0	-10	NE'N	4	c	53	85	7	5	–	–	9+	9+	800
2	Shoeburyness	1029·5	-10	NE	4	bc	58	85	8	1	–	–	4-6	4-6	2500
	Felixstowe	1029·7	-6	E	4	bc	58	75	9	5	–	–	2-3	2-3	1500
	Gorleston	1030·3	-6	NNE	4	c	54	85	6	5	–	–	10	10	2500
	Mildenhall	1029·8	-10	NE'N	3	c	63	75	8	5	–	–	7-8	7-8	2500
	Cranwell	1030·8	-10	E	2	bc	63	65	9	1	–	–	2-3	2-3	2500
3	Birmingham	1030·5	-2	ESE	3	zo	57	75	6	1	–	–	4-6	4-6	4000
	Upper Heyford	1030·1	-8	NE	3	zo	55	35	6	5	–	–	9+	9+	800
4	Ross-on-Wye	1029·7	-6	ENE	3	c	59	75	7	7	–	–	7-8	7-8	2500
5	Hartland Point	1027·7	-4	NE	2	b	57	75	8	1	–	–	Tr	Tr	2500
	Bristol	1029·1	-10	NE	3	bc	61	75	8	4	–	–	2-3	2-3	2500
	Portland Bill	1027·7	-8	ESE	4	bc	58	75	7	4	–	–	2-3	2-3	2500
	Plymouth	1027·5	-8	ESE	2	b	65	45	8	1	–	–	Tr	Tr	2500
	The Lizard	1028·0	+6	E'S	4	bc	59	75	8	7	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1027·8	-2	E'S	5	b	61	85	8	–	–	–	0	0	–
	Guernsey	1026·1	-8	NE	6	c	53	85	7	8	–	–	7-8	7-8	800
6	Pembroke	1030·3	0	WSW	1	b	57	75	8	7	–	–	Tr	Tr	4000
7	Holyhead	1029·5	-2	NW'N	3	b	58	75	7	1	–	–	Tr	Tr	2500
	Chester (Sealand)	1029·8	-8	ESE	1	zo	70	55	6	7	–	–	4-6	4-6	4000
8	Manchester	1029·6	-8	–	0	zo	72	55	6	7	–	–	4-6	4-6	7200
10	Spurn Head	1032·5	-2	E'S	2	c	54	75	7	4	–	–	7-8	7-8	2500
	Catterick	1030·1	-6	ESE	2	b	70	55	8	2	–	–	Tr	Tr	4000
	Tynemouth	1029·9	-2	SE	4	bc	54	92	8	5	–	–	4-6	4-6	1500
11	St. Abbs Head	1029·1	-2	SSE	3	b	63	65	7	1	–	–	1	1	2500
	Leuchars	1028·1	-10	WSW	3	b	75	45	6	2	–	–	1	1	4000
12	Renfrew (Abbotsl.)	1029·3	-2	SW	3	zo	72	55	6	1	–	–	2-3	2-3	4000
	Eskdalemuir	1028·9	-2	WSW	3	bc	70	55	7	1	–	–	2-3	2-3	4000
	Point of Ayre	1030·2	0	S	3	b	66	55	8	–	–	–	0	0	–
13A	Tiree	1029·5	+8	S	3	b	60	75	7	–	–	–	0	0	–
13B	Stornoway	1027·2	+4	WSW	5	bc	65	55	7	1	–	–	4-6	4-6	4000
15	Dalwhinnie	1028·3	-4	SW	5	bc	72	45	8	4	6	2	1	4-6	4000
	Aberdeen	1027·6	-10	S'E	3	b	67	55	6	1	–	–	Tr	Tr	1500
	Wick	1026·2	-12	SSE	3	bc	57	85	7	5	7	1	2-3	4-6	2500
16	Lerwick	1025·5	-10	SW	5	bc	55	75	8	5	3	–	4-6	4-6	1500
17	Blacksod Point	1029·5	+4	N	2	b	64	65	8	–	–	–	0	0	–
18	Malin Head	1030·6	+8	NW	2	b	60	65	8	–	–	–	0	0	–
	Aldergrove	1029·2	-4	W'S	1	b	75	55	7	1	–	–	Tr	Tr	4000
19	Birr Castle	1028·3	-4	ESE	1	bc	74	55	7	1	–	–	2-3	2-3	4000
20	Valentia Obsy.†	1028·7	+2	W	3	b	66	55	8	1	–	–	Tr	Tr	4000
	Roches Point	1029·6	+2	ESE	3	b	62	85	8	–	–	–	0	0	–

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low. (23)	Cloud Form Med. (24)	Cloud 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)	1026·7	-8	NE'N	4	b	65	55	8	1	–	–	1	1	2500	0	*
Croydon	1026·3	-14	ENE	4	b	64	75	8	4	–	–	1	1	5700	0	*
S. Farnborough	1026·5	-6	NE	3	b	64	55	7	–	–	–	0	0	–	0	*
Boscombe Down	1026·8	-6	NE	4	b	64	65	7	1	–	–	1	1	2500	0	*
Calshot (Soton.)	1025·5	-10	N'E	3	b	68	55	7	1	–	–	Tr	Tr	2500	0	1
Lympne	1026·5	-6	NNE	5	bc	51	85	8	5	–	–	2-3	2-3	1500	0	§3
Manston	1027·3	-6	NNE	4	c	56	92	7	5	–	–	9+	9+	450	0	*
Shoeburyness	1027·8	-10	NE	4	b	54	85	8		–	–	1	1	2500	0	-
Felixstowe	1028·1	-10	NE'E	4	c	54	85	9	5	–	–	9	9	800	0	3
Gorleston	1029·0	-10	NNE	4	c	54	85	7	5	–	–	9	9	2500	1	2
Mildenhall	1028·2	-8	NE'E	4	b	61	65	8	1	–	–	Tr	Tr	4000	0	*
Cranwell	1029·4	-6	ENE	2	b	60	65	9	–	–	–	0	0	–	0	*
Birmingham	1028·3	-12	ENE	3	bc	61	55	8	4	–	–	2-3	2-3	4000	0	*
Upper Heyford	1027·7	-10	ENE	3	c	62	65	8	5	–	–	7-8	7-8	2500	0	*
Ross-on-Wye	1027·3	-10	E'N	3	b	63	65	8	7	–	–	1	1	4000	0	*
Hartland Point	1025·5	-6	NE	4	b	62	65	6	–	–	–	0	0	–	0	2
Bristol	1027·3	-4	E	4	bc	63	65	8	4	–	–	2-3	2-3	2500	0	*
Portland Bill	1026·5	-12	NNW	3	b	60	75	7	–	–	–	0	0	–	0	2
Plymouth	1025·4	-4	SSW	2	b	59	75	8	–	–	–	0	0	–	0	1
The Lizard	1025·7	-14	NE	2	bc	58	75	8	7	–	–	2-3	2-3	4000	0	2
Scilly (St. Mary's)	1025·9	-14	NE'E	3	b	59	85	7	–	–	–	0	0	–	0	2
Guernsey																
Pembroke	1027·2	-12	S'W	1	bc	57	85	6	1	7	–	2-3	2-3	4000	0	0
Holyhead	1027·7	-14	N'W	2	b	58	75	7	1	–	–	Tr	Tr	2500	0	1
Chester (Sealand)	1027·8	-10	SE	2	zo	70	65	6	7	–	–	2-3	2-3	4000	0	*
Manchester	1028·1	-6	S'E	2	b	68	55	7	1	–	–	1	1	5700	0	*
Spurn Head	1030·2	-8	SE'E	2	f-	49	92	2	–	–	–	10	10	<150	0	1
Catterick	1028·0	-12	S'E	2	b	59	55	8	–	–	8	0	1	–	0	*
Tynemouth	1028·5	-10	SSE	3	bc	55	85	8	5	–	–	2-3	2-3	1500	0	1
St. Abbs Head	1027·8	-4	S	2	b	61	75	7	–	1	–	0	Tr	5700	0	1
Leuchars	1026·9	-6	WSW	3	b	73	55	7	–	–	–	0	0	–	0	*
Renfrew (Abbotsl.)	1028·2	-2	NW'W	3	zo	70	65	7	1	–	–	Tr	Tr	4000	0	*
Eskdalemuir	1027·2	-6	SW	3	b	71	55	7	1	–	–	1	1	4000	0	*
Point of Ayre	1028·7	-14	NW'N	2	b	61	75	7	–	–	–	0	0	–	0	1
Tiree	1029·4	0	NW	1	b	57	85	7	1	–	–	1	1	4000	0	1
Stornoway	1028·6	+4	SW	4	c	57	75	7	5	–	–	4-6	7-8	4000	1	2
Dalwhinnie	1028·8	+2	SW	5	b	66	45	8	–	–	–	0	0	–	0	*
Aberdeen	1025·8	-6	S'W	2	b	67	65	6	5	3	–	Tr	Tr	2500	0	1
Wick	1026·7	+4	NE	4	b	60	65	7	5	–	–	Tr	Tr	2506	0	2
Lerwick	1023·6	-6	SW	5	bc	54	85	8	5	3	–	2-3	4-6	2500	0	*
Blacksod Point	1028·6	-10	NE	1	b	64	75	8	–	–	–	0	0	–	0	1
Malin Head	1030·3	-2	NE	1	b	57	75	8	–	–	–	0	0	–	0	0
Aldergrove	1027·9	-10	NW'W	2	b	74	45	7	1	–	–	Tr	Tr	4000	0	*
Birr Castle	1027·1	-8	S	1	bc	77	45	7	1	–	–	2-3	2-3	4000	0	*
Valentia Obsy.†	1027·7	-6	W'S	3	b	64	65	8	1	–	–	Tr	Tr	4200	0	0
Roches Point	1027·4	-14	S	2	b	61	85	8	–	–	–	0	0	–	0	1

PAST 24 HOURS. Weather.

Stations	7h.—13h. 30th (37)	13h.—18h. 30th (38)	18h. 30th to 1h. 31st (39)	1h.—7h. 31st (40)
London (Kew)	azobcy	bcby	b	bbccmo
Croydon	cb	b	bcmow	cmow
S. Farnborough	cbzby	by	bybmow	bwcmo
Boscombe Down	bcbby	byb	b	bmo
Calshot (Soton.)	cmobcby	by	byb	bbmo
Lympne	cbcb	b	bcmo	cmoff
Manston	c	c	cmffdodo	ffdodom
Shoeburyness	cidoc	bcvb	bc	c
Felixstowe	ciddbcv	bcvc	cidoc	comoc
Gorleston	ciddbcc	c	codff	odfme
Mildenhall	cidoc	cbcbv	bvbcc	bcc
Cranwell	fdobbcv	bcybv	bvofe	fefeomo
Birmingham	bmcbcz	bcb	b	bf
Upper Heyford	cmoidoc	cmocbc	bcbbmo	bcmocm
Ross-on-Wye	bbcomo	bc	bbcb	bw
Hartland Point	bcc	bcb	b	b
Bristol	cbc	bcbbc	bcb	bwmo
Portland Bill	bc	bcb	b	bc
Plymouth	by	byb	bbmo	bwby
The Lizard	bc	bcbbc	bcb	bbc
Scilly (St. Mary's)	b	b	bw	bwbcb
Guernsey	c		b	bbccz
Pembroke	b	bbczo	bczob	b
Holyhead	b	b	bwzo	b
Chester (Sealand)	bzoybc	bbcyzo	bcyzobmow	bmow
Manchester	bmbzoy	bczoy	bmo	bmobmw
Spurn Head	ffc	cff	ifwff	Ffw
Catterick	bcmoby	bcyby	bybmo	bmow
Tynemouth	bc	bc	bcc	cbc
St. Abbs Head	mob	mob	by	b
Leuchars	bwby	by	bybw	bbcw
Renfrew (Abbotsl.)	bmozy	bbcbzoy	bzob	bmo
Eskdalemuir	bwby	by	byb	b
Point of Ayre	b	b	b	b
Tiree	b	b	bbcw	bcwm
Stornoway	bbcy	bcc	c	c
Dalwhinnie	bc	bcb		b
Aberdeen	bzoy	bzo	bzow	bzowbc
Wick	bcbc	bcc	bbcc	c
Lerwick	cbc	bc	bccido	cido
Blacksod Point	b	b	b	b
Malin Head	bc	bc	bbfsbc	obFfb
Aldergrove	jfbzob	by	byb	b
Birr Castle	bbcy	bcy	bcb	b
Valentia Obsy.†	by	byb	bw	bwb
Roches Point	b	b	bw	bwb

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, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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. !, 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). ↗gale.
⊕ Solar halo. ◑ lunar halo. ⌂ Aurora.

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 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 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 As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac 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 Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. „ covered with thawing snow.
7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.
– .. Fresh snow has fallen in the mountains.

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.*

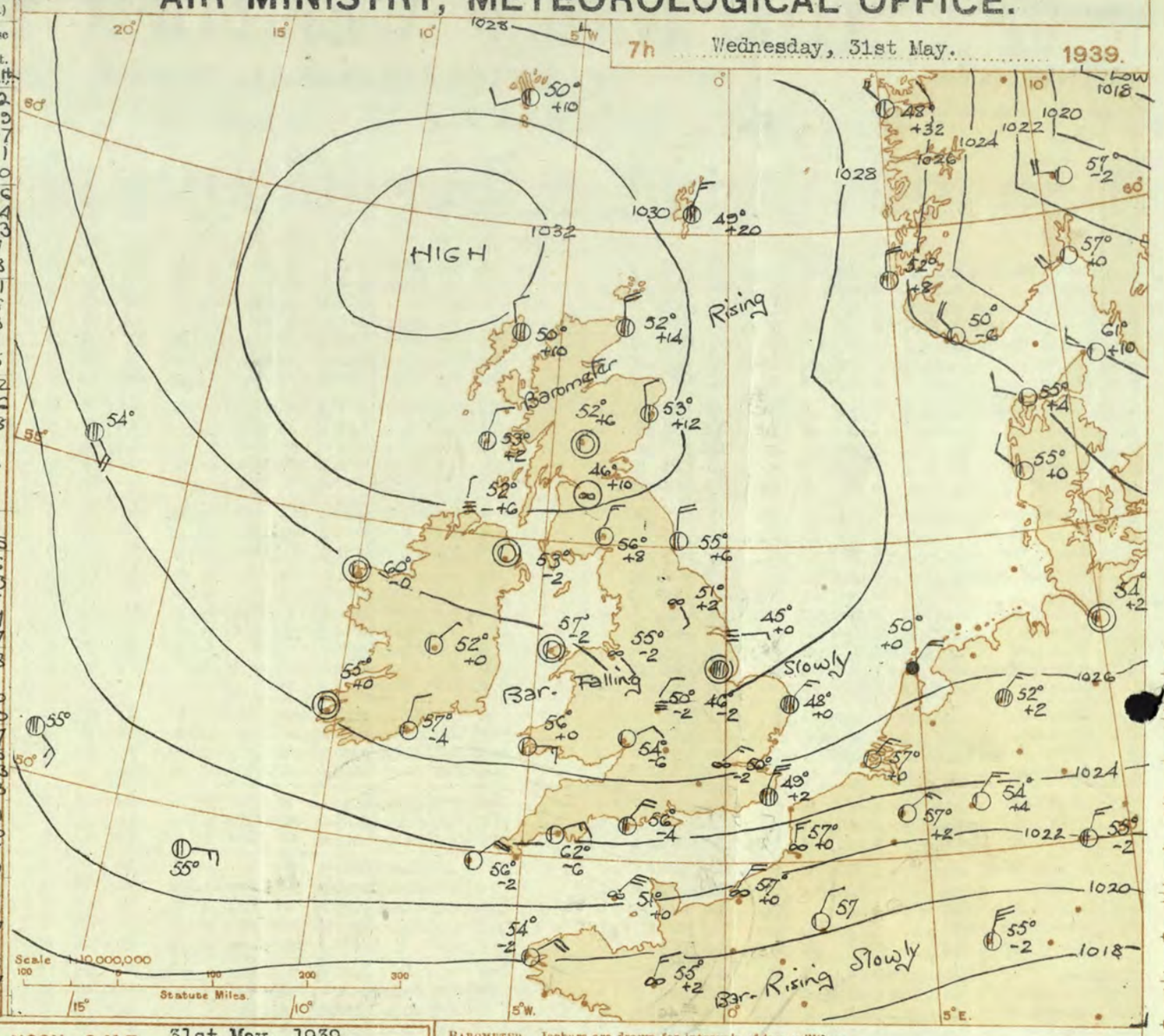
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 30th May 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 29th to 9h. 30th.	Temperature. Max. 9h.—17h. 30th.	Rainfall. (mm.) Night. 17h. 29th to 9h. 30th.	Rainfall. Day. 9h.—17h. 30th.	Sunshine. (Hrs.) Sunrise to 17h. 30th.	Sunshine. Sunrise to Sunset. 29th.
1	Tunbridge W.	b	b	45	64	—	—	10·0	11·2
	Bournemouth	b	b	45	70	—	—	10·1	11·3
	Ventnor ...	ocb	b	48	66	—	—	8·7	12·7
	Southsea ...	b	b	47	71	—	—	10·4	13·1
	Bognor Regis	cbcb	b	46	68	—	—	9·7	13·0
	Littlehampton	b	b	46	68	—	—	10·7	12·9
	Worthing ...	b	b	46	67	—	—	10·4	12·4
	Brighton ...	b	b	47	69	—	—	11·2	13·3
	Eastbourne† ...	b	by	46	66	—	—	11·2	11·1
	Hastings† ...	b	bc	47	64	—	—	12·0	10·8
	Folkestone ...	cbc	bcb	48	60	—	—	9·3	10·1
	Dover ...	cbc	bc	50	55	—	—	6·2	8·6
	Deal	ocbc	cbcbc	50	56	—	—	1·3	8·3
	Ramsgate ...	oc	bc	48	54	—	—	2·8	8·1
	Margate ...	c	cbcc	45	52	—	—	1·0	7·5
2	Southend ...	ocbc	bcb	48	61	—	—	5·4	12·2
	Clacton-on-Sea	cbc	bc	45	58	—	—	6·5	12·0
	Dovercourt ...	ocbcc	bc	49	60	—	—	6·1	12·8
	Lowestoft ...	cidrc	c	48	57	Tr	Tr	1·9	11·4
	Skegness ...	ocb	b	46	55	Tr	—	5·0	6·6
	Mablethorpe...	odoc	bcbv	46	54	Tr	—	5·6	4·8
	Cleethorpes ...	cbc	bbc	46	55	—	—	5·7	7·9
3	Leamington S.	oc	c	44	66	—	—	2·8	9·8
4	Cheltenham†	c	cbc	44	67	—	—	3·9	10·5
5	Bath	cbcb	bbc	45	66	—	—	7·9	11·6
	Weymouth ...	bcb	b	47	67	—	—	11·0	14·3
	Jersey ...	bc	b	50	65	—	—	10·7	14·7
	Torquay ...	cbcb	b	48	60	—	—	12·0	15·4
	Falmouth ...	b	b	48	63	—	—	12·3	14·7
	Penzance ...	bbc	b	50	66	—	—	10·9	13·8
	St. Ives ...								
	Bude... ...	b	b	46	71	—	—	12·3	15·0
	Ilfracombe ...	bcb	b	51	66	—	—	12·4	15·0
6	Aberystwyth	bbc	bcc	50	66	—	—	12·5	14·7
7	Llandudno ...	b	b	49	66	—	—	12·5	13·6
	Colwyn Bay...	b	b	49	66	—	—	12·2	13·3
	Rhyl	b	bz	48	73	—	—	12·3	13·3
8	Wallasey ...	bz	bz	51	70	—	—	12·2	13·9
	Southport ...	bz	bz	46	69	—	—	11·7	13·0
	Blackpool ...	by	bzyby	46	69	—	—	11·7	13·7
	Morecambe ...	bcb	b	50	72	—	—	10·8	12·9
9	Ilkley... ...	b	b	42	72	—	—	10·8	9·0
	Harrogate ...	b	b	41	69	—	—	12·4	9·2
10	Berwick-on-T.	bcb	b	47	60	—	—	12·3	12·7
11	Dunbar ...	bcm	bcm	49	70	—	—	11·7	10·7
12	Troon... ...	bbcb	bbcb	51	60	—	—	12·0	14·3
	Douglas ...	bz	bz	53	70	—	—	11·9	14·7

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st May, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England 3 E. Midlands ...	Light to moderate northeast wind; fair, but cloud persisting locally on east coast; local coast fog at first clearing later; becoming a little cooler.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate east wind; fine; rather warm, becoming cooler.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light northeast wind; fine; becoming cooler.
10 N.E. England 11 S.E. Scotland	Light northeast wind; fair; cooler.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light northeast or variable wind; fine; cooler but day temperatures still above average.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate east wind; fine; rather warm.

GENERAL INFERENCE.

An anticyclone centred off Northwest Scotland covers the British Isles. Weather will be fair or fine except near the east coast where low cloud or fog will persist locally today.

FURTHER OUTLOOK.

Fair: day temperatures rising again in the West and North.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

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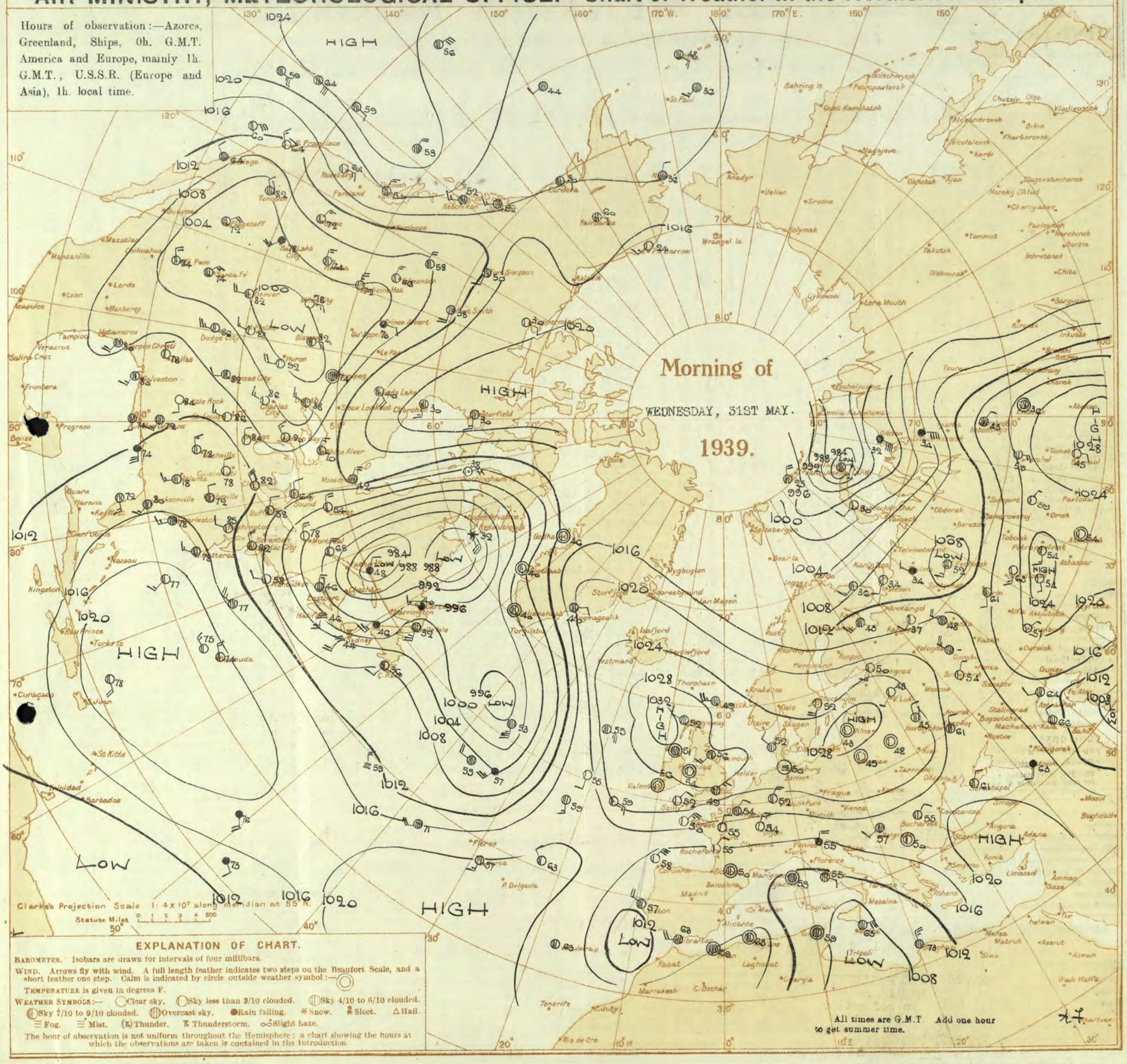
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday. 31st May, 1939.

No. 28314.

OBSERVATIONS at 1 hr. G.M.T. 31st May

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0-10 (12)	Cloud Amount Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1027·3	-2	ENE	3	c	49	92	7	5	-	-	9	9	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1026·0	-4	NNE	4	Zo	47	97	5	5	-	-	9+	9+	220
	Manston	154	1026·5	-6	NNE	4	df	48	97	3	-	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1028·4	-6	NNE	3	df	49	92	2	-	-	-	10	10	<150
	Mildenhall	19	1028·3	-2	NE'E	3	c	48	97	7	5	-	-	10	10	450
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1025·7	0	NE	3	b	55	85	8	-	-	-	0	0	-
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1025·5	+6	NE	3	b	54	85	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1025·0	-8	ENE	5	b	56	75	8	-	-	-	0	0	-
	Scilly (St.Mary's)	163	1025·6	-2	NE'E	2	b	52	85	8	-	-	-	0	0	-
	Guernsey	175	1023·1	-4	NE	5	b	51	92	7	-	-	-	0	0	-
6	Pembroke	142	1027·3	+4	E	2	b	54	92	7	-	-	-	0	0	-
7	Holyhead	26	1028·1	+2	-	0	b	54	85	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1029·5	0	-	0	f+	45	97	2	-	-	-	10	10	<150
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1028·4	-2	WSW	3	c	56	85	6	8	-	-	9	9	1500
11	St. Abbs Head	280	1028·0	+4	WNW	3	bc	61	55	7	5	-	-	2-3	2-3	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1028·6	0	NW	2	b	53	85	7	-	4	-	0	Tr	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1030·1	+6	WNW	2	c	52	85	7	5	-	-	9+	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1028·7	+8	WNW	3	c	51	92	8	5	7	-	4-6	7-8	1500
16	Lerwick	156	1026·2	+20	W	5	c/d	49	92	8	8	2	-	7-8	10	1500
17	Blacksod Point	18	1028·7	0	-	0	b	56	65	8	-	-	-	0	0	-
18	Malin Head	84	1031·6	+2	-	0	bcjf	51	85	5	-	-	4	0	2-3	-
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027·5	0	-	0	b	56	73	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0-12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0-10 (26)	Cloud Amount Total 0-10 (27)	Height of Base (feet) (28)	State of Ground 0-9 (29)	Sea 0-9 (30)	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 30th Hrs. (36)
London (Kew)	1027·2	+2	NE	4	Zo	50	85	6	5	-	-	9	9	2500	0	*	65	48	43	—	-	12·1
Croydon	1026·9	-2	NE'E	3	Zo	50	85	6	5	-	-	10	10	450	0	*	65	47	44	—	-	11·2
S. Farnborough	1027·0	+4	NE	3	Zo	49	85	6	5	-	-	9+	9+	1500	0	*	67	46	42	—	-	12·8
Boscombe Down	1026·7	+4	NE'N	3	Zo	50	85	7	5	-	-	1	1	2500	0	*	67	43	38	—	-	12·9
Calshot (Sthmtn.)	1025·3	+2	N'W	3	Zo	53	75	7	-	-	1	0	Tr	-	0	1	71	49	47	—	-	12·7
Lympne	1025·9	+2	NNE	5	m/f	49	97	4	5	-	-	10	10	<150	0	§3	56	46	44	—	-	13·8
Manston	1026·5	+2	NE'N	4	df	49	97	2	-	-	-	10	10	<150	1	*	54	47	47	—	Tr	3·3
Shoeburyness	1027·4	+4	NNE	3	c	51	55	8	5	-	-	10	10	1500	0	*	59	49	47	Tr	-	8·1
Felixstowe	1027·6	+2	NE	3	c	50	92	8	5	-	-	9+	9+	450	0	3	59	48	48	Tr	Tr	8·5
Gorleston	1027·7	0	NE	3	o	48	97	5	5	-	-	10	10	1500	1	2	56	47	47	Tr	Tr	2·5
Mildenhall	1028·1	+2	NE'N	2	c	49	97	7	5	-	-	10	10	800	1	*	65	46	41	Tr	-	7·4
Cranwell	1029·0	+2	-	0	m/f	46	97	4	5	-	-	10	10	220	1	*	64	42	39	Tr	-	9·7
Birmingham	1028·2	-2	NE	2	bf	50	85	3	-	-	-	0	0	-	0	*	65	46	38	—	-	10·4
Upper Heyford	1027·9	0	NE	2	Zo	47	97	5	5	-	-	10	10	450	0	*	64	44	39	0·1	-	*
Ross-on-Wye	1027·2	-6	ENE	2	b	54	75	7	-	-	-	0	0	-	0	*	65	44	32	—	-	11·5
Hartland Point	1024·5	-8	NE	4	b	55	75	8	-	-	-	0	0	-	0	2	63	53	50	—	-	14·9
Bristol	1027·1	-2	NNE	2	b	51	85	7	7	-	-	1	1	2500	0	*	65	48	34	—	-	11·7
Portland Bill	1024·7	-4	NE	4	bc	56	75	7	1	-	-	4-6	4-6	4000	0	3	61	52	*	—	-	*
Plymouth	1024·3	-6	E'N	3	b	62	45	8	-	-	-	0	0	-	0	0	68	53	45	—	-	14·5
The Lizard	1025·8	0	NE	4	bc	57	75	8	7	-	-	2-3	2-3	4000	0	2	60	53	*	—	-	14·6
Scilly (St.Mary's)	1024·3	-2	NE'E	4	b	56	92	7	-	-	-	0	0	-	0	2	61	50	*	—	-	14·8
Guernsey	1022·8	0	NE	6	Zo	51	92	5	5	-	-	10	10	220	0	4	58	50	47		-	6·7
Pembroke	1026·3	0	E	3	b	56	75	8	-	1	-	0	Tr	-	0	1	61	51	*	—	-	14·0
Holyhead	1027·5	-2	-	0	b	57	85	7	1	-	-	Tr	Tr	4000	0	0	62	52	45	—	-	14·3
Chester (Sealand)	1028·3	-2	SE	1	Zo	55	75	6	-	-	-	0	0	-	0	*	73	47	45	—	-	12·7
Manchester	1028·5	0	-	0	m	51	97	4	-	-	-	0	0	-	1	*	74	41	37	—	-	12·1
Spurn Head	1029·3	0	E	1	f	45	97	2	-	-	-	10	10	<150	1	1	55	43	*	—	Tr	4·7
Catterick	1029·0	+2	SE'S	1	Zo	51	92	6	-	-	-	0	0	-	1	*	71	46	42	—	-	14·4
Tynemouth	1028·4	+6	N	4	bc	55	85	6	5	-	-	2-3	2-3	1500	0	1	58	53	42	—	-	14·4
St. Abbs Head	1030·3	+12	NNE	1	b	54	85	7	1	-	-	1	1	2500	0	1	65	51	*	—	-	*
Leuchars	1030·7	+10	ENE	2	bc	54	85	8	7	-	-	4-6	4-6	1500	0	*	77	46	33	—	-	15·2
Renfrew (Abbots I.)	1030·6	+10	-	0	Zo	46	85	6	-	-	-	0	0	-	0	*	74	36	29	—	-	14·0
Eskdalemuir	1029·8	+8	N'E	3	b	56	75	7	-	-	-	0	0	-	0	*	73	42	34	—	-	13·8
Point of Ayre	1028·8	0	NNE	1	b	57	83	7	-	-	-	0	0	-	0	0	69	47	*	—	-	14·3
Tiree	1030·4	+2	NNE	2	c	53	92	5	5	-	-	9+	9+	800	0	2	62	46	36	—	-	14·4
Stornoway	1031·3	+10	NNW	2	c	50	75	8	5	-	-	9+	9+	2500	0	1	66	49	*	—	-	13·3
Dalwhinnie	*	+6	-	0	b	52	65	8	-	-	-	0	0	-	0	*	72	33	20	—	-	14·6
Aberdeen	1031·0	+12	NNW	2	bc	53	85	7	5	-	-	2-3	2-3	2500	0	1	68	42	33	—	-	15·2
Wick	1030·5	+14	WNW	4	c	52	75	8	5	7	-	4-6	7-8	1500	0	2	64	(49)	*	—	-	*
Lerwick	1029·3	+20	NNE	3	c/d	49	92	7	8	7	-	4-6	9	800	1	*	57	48	*	—	Tr	11·7
Blacksod Point	1027·5	0	-	0	b	60	85	8	-	-	-	0	0	-	0	1	66	50	*	—	-	*
Malin Head	1031·1	+6	N	1	if	52	85	7	-	-	-	0	0	-	0	0	67	46	*	—	-	15·1
Aldergrove	1029·7	-2	-	0	b	53	65	8	-	-	-	0	0	-	0	*	77	46	38	—	-	14·3
Birr Castle	1027·7	0	NE	1	b	52	97	7	-	-	-	0	0	-	0	*	77	43	37	—	-	13·5
Valentia Obsy. †	1026·7	0	-	0	b	55	85	8	-	-	-	0	0	-	0	0	68	47	42	—	Tr	15·0
Roches Point	1026·9	-4	N	2	b	57	85	8	-	-	-	0	0	-	0	1	64	50	*	—	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	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	czobcy	bcby	bbcmo	65	48	43	—	—	12·1	*	*	6
Croydon	217	cb	b	b.cmoW	65	47	44	—	—	11·2	*	*	6
Greenwich (Royal Observatory)	149	cb	by	bwcZo	65	47	42	—	—	10·8	57	75	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11·6	*	*	*
Westminster (St. James' Park)	27	*	*	*	67	49	46	—	—	11·4	64	78	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	67	48	45	—	—	11·1	63	78	*
Camden Square	110	bc	bc	*	73	49	46	—	—	*	*	71	*
Kensington	80	bc	bc	*	67	48	42	—	—	12·1	At 18h 54	71	*
Hampstead Observatory	450	bc	bc	bc	62	45	45	—	—	10·8	*	79	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 31st

South Kensington.			
Max.	Time.	Min.	Time.
<0·3 whole period			

Kew Observatory.			
Max.	Time.	Min.	Time.
<0·1 whole period			

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 30th May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 31st May Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1019·7	NE	4	b	72	1021·3	NNE	2	b	57	74	50	-	-
Brussels	1024·4	NE	4	b	68	1024·1	ENE	3	b	57	*	50	*	-
Berlin	1026·2	E	2	bc	66						70		-	
Zurich						1016·3	ENE	3	b	52		46		-
Rome	1010·0	ENE	3	c	61	1009·8	NE	2	c	57	*	*	3	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.