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.

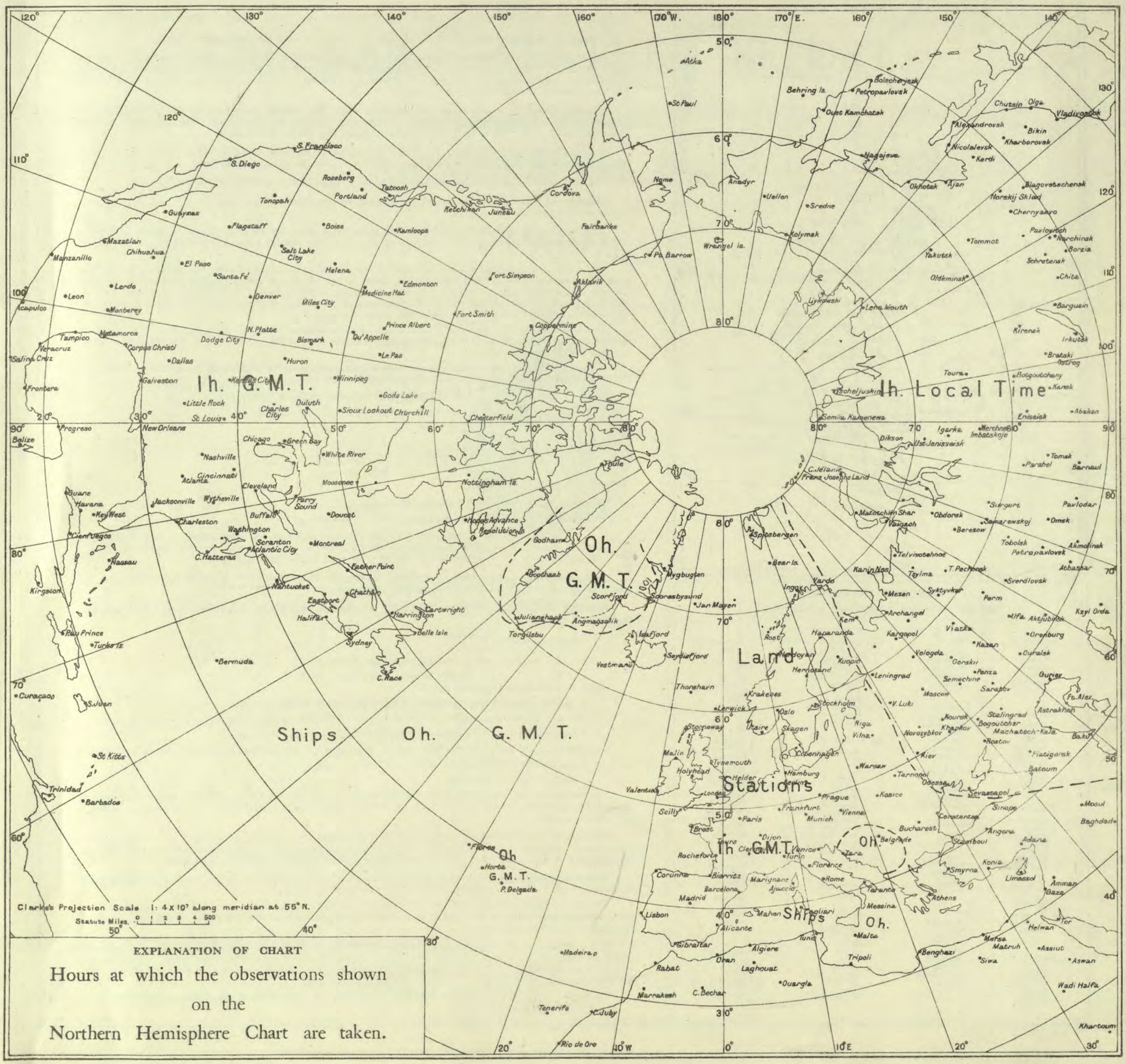
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

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.

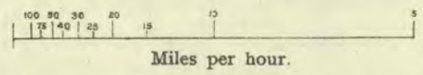
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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,
APRIL 1939. No. 268.

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Warm sunny spells alternating with cold unsettled conditions.

The month commenced with generally unsettled conditions and gales in the west and north (Valentia gust 73 m.p.h. on 3rd). By the 7th anticyclonic conditions had become established over the country resulting in a warm sunny Easter, and from the 10th to 12th temperatures were outstandingly high for the time of year, maxima of 75° to 78°F being reached in Southern and Eastern England on the 11th and 12th. From the 13th to 17th conditions were again unsettled with gales at times in most districts. Another fine warm spell occurred during anticyclonic conditions from the 18th to 20th, some of the maxima in the south being equal to the average for mid-June. The diurnal range of temperature, however, was marked, being as much as 35°F in some areas with widespread night frosts. Gales occurred over most of the country on the 22nd (Southport gust 70 m.p.h.) and for the rest of the month cold northerly winds prevailed with wintry showers and night frosts.

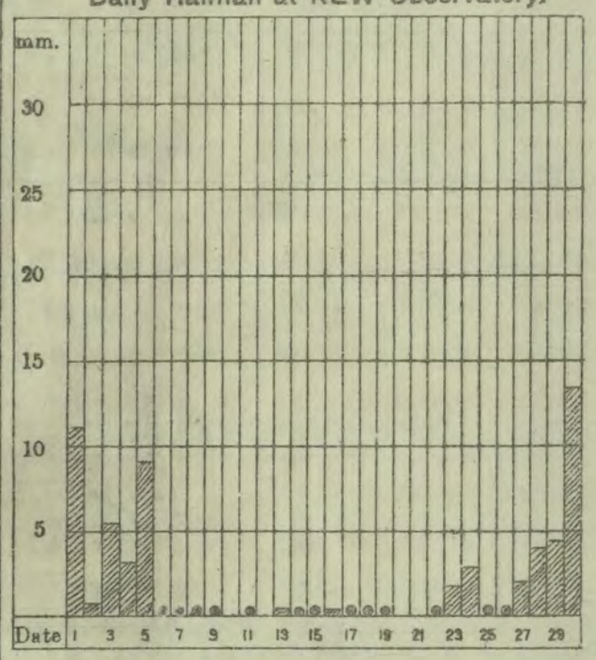
Sunshine totals were above average in nearly all districts. In particular the period 17th to 22nd inclusive during which 70 to 75 hours were recorded in southern localities was outstanding, and the 46 hours at Kew from the 18th to 21st was the best 4 day total in April for at least 25 years.

In spite of the abundant sunshine, rainfall was above normal in the southern half of England, the last two days of the month being particularly cold and wet. Elsewhere there was, in general a deficit and Leuchars, Aberdeen, Tynemouth and Birr Castle had only about half the normal.

For the month as a whole mean temperatures were about normal in Scotland and above normal elsewhere.

Thunderstorms were reported on the 1st, 4th and 5th and on several occasions during the latter half of the month.

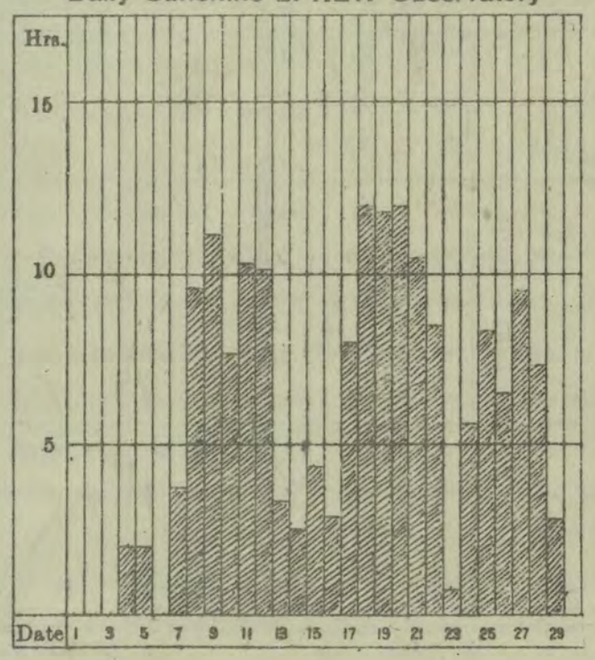
Daily Rainfall at KEW Observatory.



● = Less than 0·5 mm.

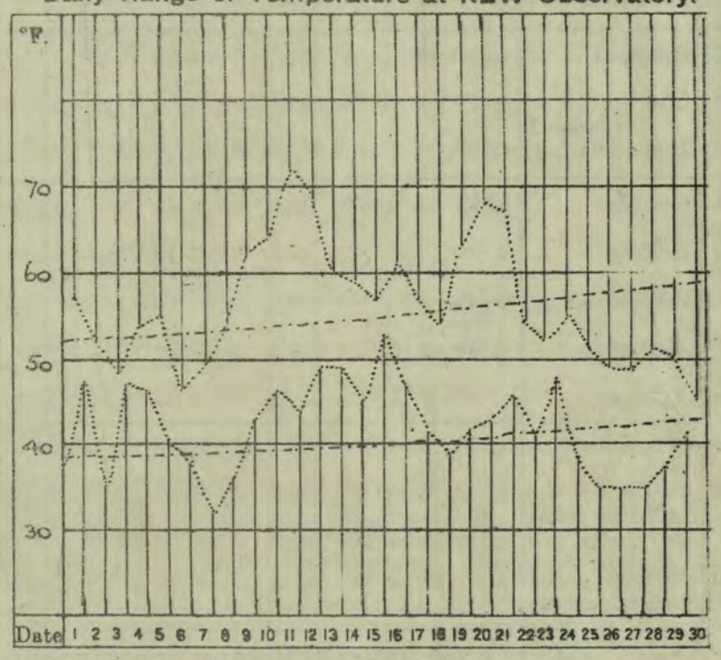
RAINFALL. Total for Month. 59 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 174 hrs.

Daily Range of Temperature at KEW Observatory.



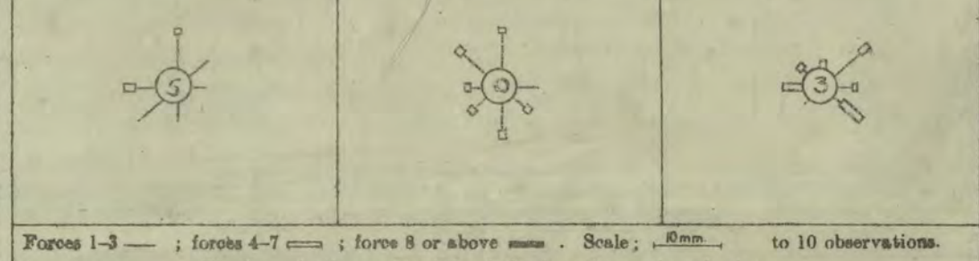
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1014·0	-0·4	49·1	+1·4
Aberdeen	1012·0	-0·7	43·6	+0·1
Valentia	1013·4	-0·4	48·9	+1·5

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. daily 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 ...	6,842
Aberdeen ...	6,649
Lerwick ...	12,496
Valentia ...	10,081

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 33° - 41°	42° - 50°	51° - 59°	60° - 68°	69° - 77°	Average Maximum.	Minimum. 23° or below	24° - 32°	33° - 41°	42° - 50°	51° - 59°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.
							°F.						°F.	°F.		°F.		°F.		°F.		
1	London ... (Kew Obsy).	0	7	14	7	2	54.6	0	1	13	15	1	40.8	72	11	45	30	53	16	32	8	12
	Croydon ...	0	8	13	5	4	54.3	0	2	17	5	2	39.9	75	11	44	30	53	12	30	8	6
	Calshot** ... (Southampton)	0	2	23	5	0	53.4	0	0	15	15	0	41.1	66	20	47	30	49	14, 16	35	28	0
	Lympne ...	0	11	14	3	2	51.9	0	0	15	14	1	39.4	71	11	44	6	51	12	33	29	8
2	Shoeburyness ...	0	10	14	5	1	53.9	0	2	15	12	1	39.2	74	12	45	30	52	16	31	26, 28	13
	Gorleston ...	0	16	9	4	1	50.7	0	0	12	16	2	40.6	76	12	46	1, 7, 8, 30	53	16	36	25, 26	0
	Cranwell ...	0	12	9	7	2	53.4	0	2	18	9	1	37.6	72	12	43	5	52	16	31	8	8
3	Birmingham ... (Edgbaston)	0	13	10	5	2	52.2	0	0	15	13	2	39.4	70	12	43	5	53	12	33	7	10
4	Ross-on-Wye ...	0	6	14	9	1	53.9	0	2	15	12	1	39.4	72	11	45	30	52	16	32	8, 25	14
5	The Lizard ...	0	5	23	2	0	*	0	0	9	21	0	*	62	20	46	30	50	13	38	28	*
7	Holyhead ...	0	13	14	2	1	50.1	0	0	9	21	0	42.4	71	11	44	5	48	12, 13	35	7	2
8	Chester ... (Sealand)	0	10	14	4	2	53.2	0	1	17	11	1	39.0	73	12	45	5	53	13	30	28	9
10	Tynemouth ...	0	17	11	1	1	49.3	0	1	15	13	1	39.7	71	12	42	4	52	13	32	5	1
11	Leuchars ...	0	17	12	1	0	50.7	0	5	18	6	1	37.0	65	12	43	1	51	13	26	7	10
12	Renfrew ...	0	10	17	3	0	51.9	0	5	15	10	0	37.0	67	11	44	3, 26	50	13	24	7	9
	Eskdalemuir ...	0	16	12	2	0	49.0	1	6	16	7	0	33.9	67	11	42	6	46	13	22	7	8
13B	Stornoway	0	18	12	0	0	48.8	0	0	19	11	0	38.1	58	11	45	4, 23, 25, 26	47	12, 13, 14	34	6, 25	*
15	Aberdeen ..	1	19	8	2	0	49.0	0	3	20	7	0	38.0	63	12	41	24	49	13	29	7	11
18	Aldergrove ...	0	7	19	4	0	*	0	3	14	13	0	*	65	11	45	2	49	13	26	7	10
19	Dublin ... (Phœnix Park)	0	8	13	9	0	53.2	0	2	17	10	1	36.6	67	11	46	4	52	13	26	7	10
	Birr Castle ...	0	4	22	4	0	53.3	0	6	13	11	0	38.1	68	11	46	4	48	5	28	6	13
20	Valentia ... (Cahirciveen)	0	2	26	2	0	52.4	0	1	8	20	1	42.4	63	11	50	1	51	13	32	7	6

District.	Stations.	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).	0	17	0	3	20	0	2	19	0	0	0	2	1	8	0	0	0	1	12
	Croydon ...	4	15	0	2	22	0	2	19	0	0	1	1	2	14	0	0	1	0	12
	Calshot** ... (Southampton)	6	13	1	6	17	2	6	16	1	0	1	2	0	9	0	0	0	0	21
	Lympne ...	7	10	0	7	19	0	7	14	1	0	0	1	1	14	0	0	0	1	20
2	Shoeburyness ...	2	15	1	1	22	0	1	20	1	0	1	0	5	18	0	0	0	2	20
	Gorleston ...	2	19	0	0	25	0	0	21	0	0	0	0	2	11	0	0	0	0	14
	Cranwell ...	3	12	3	2	21	0	2	20	0	0	0	0	3	9	0	0	0	1	21
3	Birmingham ... (Edgbaston)	10	7	0	4	18	0	2	19	0	0	1	4	5	12	0	0	1	2	15
4	Ross-on-Wye ...	3	16	0	0	25	0	2	20	0	0	0	2	1	13	0	0	0	0	23
5	The Lizard ...	2	27	0	0	29	0	1	28	0	0	2	0	1	25	0	0	0	1	26
7	Holyhead ...	8	16	0	9	17	0	5	19	0	0	0	2	0	22	0	0	0	0	25
8	Chester ... (Sealand)	5	14	0	2	22	2	1	22	1	0	1	0	6	9	0	0	0	3	18
10	Tynemouth ...	1	29	0	1	29	0	0	30	0	0	0	0	3	12	0	0	0	0	19
11	Leuchars ...	3	25	0	6	22	1	4	24	0	0	1	1	0	22	0	0	0	2	24
12	Renfrew ...	6	20	1	4	25	0	2	26	2	0	0	2	1	19	0	0	0	0	19
	Eskdalemuir ...	14	14	0	6	23	1	10	17	0	0	0	1	0	19	0	0	0	1	23
13B	Stornoway	0	29	0	0	27	2	0	28	1	0	0	0	0	26	0	0	0	0	29
15	Aberdeen ..	2	23	0	3	25	0	3	25	0	0	0	0	2	12	0	0	1	1	18
18	Aldergrove ...	7	17	0	4	23	0	3	22	2	0	0	0	1	18	0	0	0	1	25
19	Dublin ... (Phœnix Park)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	2	19	0	3	26	0	4	22	0	0	0	0	0	30	0	0	0	0	30
20	Valentia ... (Cahirciveen)	5	23	0	4	24	1	5	25	0	0	0	0	0	27	0	0	0	0	27

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	1,760	42.0	44.5	39	41.9	43		
850	4,700	31.8	33.8	39	32.6	43		
750	7,950	22.4	24.4	39	24.0	43		
650	11,590	11.1	12.2	39	12.8	43		
550	15,720	-3.3	-2.5	39	-1.2	43		

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	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	102	38	50	13	0	0	67	29	31	3	1	0	67	28	31	8	0	0	74	24	36	13	1	0	500 above ground.
1000 above M.S.L.	82	29	38	12	1	0	52	23	22	3	1	0	55	15	36	4	0	0	61	15	26	15	4	1	1000 above M.S.L.
2000 " "	45	19	19	4	0	0	25	8	15	1	0	0	34	10	17	7	0	0	26	8	8	7	2	1	2000 " "
3000 " "	26	14	10	2	0	0	15	5	7	2	1	0	20	5	11	4	0	0	9	2	5	1	0	1	3000 " "
4000 " "	7	3	3	0	0	0	6	3	3	0	0	0	8	3	1	4	0	0	3	0	2	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 APRIL 1939.

SUNSHINE.

District.	Stations.	Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy).	5	6	4	6	9	12·0	18, 20	1438	-31	174	+26	1880	244	'93	79	'20
	Croydon ...	4	7	5	6	8	12·7	20	1434	-91	166	+33	1922	176	'27	102	'37
	Calshot** ... (Southampton)	3	5	6	5	11	13·1	20	1585	-161	198	+39	1881	277	'93	96	'20
	Lympne ...	3	8	3	4	12	12·7	19	1685	-80	192	+31	1921	237	'21	131	'31
2	Shoeburyness ...	2	7	5	7	9	11·9	20	1590	-126	185	+32	1919	227	'21	94	'37
	Gorleston ...	2	7	7	4	10	12·5	19	1537	-106	182	+18	1908	268	'09	69	'37
	Cranwell ...	3	7	11	1	8	12·7	20	1427	-111	160	+19	1921	194	'21	84	'37
3	Birmingham ... (Edgbaston)	3	11	4	5	7	13·1	20	1202	-102	152	+25	1887	233	'93	61	'91
4	Ross-on-Wye ...	4	4	9	4	9	13·2	20	1348	-137	177	+35	1915	218	'38	72	'20
5	Falmouth ... (Observatory)	1	4	10	3	12	13·4	20	1544	-166	207	+20	1881	272	'06	112	'31
7	Holyhead ..	3	6	4	7	10	12·5	27	1469	-81	199	+25	1914	240	'38	91	'20
8	Chester ... (Sealand)	4	7	6	6	7	13·0	20	1342	-34	161	+22	1923	189	'38	102	'31
10	Tynemouth ...	5	3	4	10	8	11·4	19	1351	*	185	*	1935	*	*	*	*
11	Leuchars ...	3	10	5	6	6	12·3	30	1424	-46	148	-1	1922	191	'36	98	'37
12	Renfrew ...	3	10	9	6	2	10·9	22	1243	+50	119	-14	1921	179	'38	73	'37
	Eskdalemuir ...	5	6	4	10	5	11·5	19	1115	-86	152	+24	1910	194	'14	64	'37
13B	Stornoway	0	10	7	6	7	14·1	29	1279	+64	174	+24	1881	216	'02	105	'33, '37
15	Aberdeen ...	2	10	9	2	7	14·1	29	1335	+6	149	+5	1881	235	'06	81	'37
18	Aldergrove ...	4	7	8	7	4	12·4	19	1202	*	147	*	1927	193	'38	57	'37
19	Dublin ... (Phœnix Park)	3	4	5	14	4	13·0	19	1188	-249	179	+20	1881	238	'14	81	'37
	Birr Castle ...	4	5	5	9	7	12·4	19	1123	-183	169	+17	1881	245	'14	70	'37
20	Valentia ... (Cahirciveen)	5	6	5	5	9	12·8	20	1211	-157	177	+16	1880	262	'38	75	'05

RAINFALL.

District.	Stations.	‡ Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	14	6	6	4	0	0	13	30	602	-4	59	+22	1856	101	'78	1	'12	1	0
	Croydon ...	12	7	6	4	1	0	17	30	778	+99	70	+28	1921	104	'26	4	'38	1	0
	Calshot** ... (Southampton)	16	6	6	2	0	0	12	30	637	-9	45	+8	1871	110	'07	0·4	'38	1	0
	Lympne ...	17	4	3	5	1	0	16	30	818	+94	70	+28	1920	91	'26, '35	13	'38	2	0
2	Shoeburyness ...	16	4	6	4	0	0	14	30	539	+36	55	+24	1920	99	'26	5	'38	1	0
	Gorleston ...	15	3	9	3	0	0	10	29	618	-4	51	+13	1871	100	'71	3	'93	2	0
	Cranwell ...	14	4	9	3	0	0	7	29	725	+135	47	+13	1917	110	'20	4	'38	1	1
3	Birmingham ... (Edgbaston)	11	7	8	4	0	0	9	3	851	+177	53	+9	1893	118	'20	3	'38	1	1
4	Ross-on-Wye ...	15	7	5	1	2	0	17	5, 30	757	+40	65	+17	1859	143	'89	1	'38	0	0
5	Falmouth ... (Observatory)	13	3	10	4	0	0	14	6	1158	+51	72	+5	1871	179	'82	1	'38	0	0
7	Holyhead ..	15	5	7	3	0	0	9	1	1145	+258	48	-5	1871	97	'08	5	'38	0	0
8	Chester ... (Sealand)	14	4	8	4	0	0	7	4	833	+172	48	+10	1922	80	'37	5	'38	1	0
10	Tynemouth ...	17	8	5	0	0	0	5	8	739	+118	19	-17	1915	110	'34	6	'38	0	0
11	Leuchars ...	16	8	5	1	0	0	7	21	860	+207	22	-18	1922	117	'34	2	'38	0	0
12	Renfrew ...	15	6	6	2	1	0	17	13	1307	+368	53	-4	1921	124	'25	18	'38	1	0
	Eskdalemuir ...	15	4	5	6	0	0	12	15	2126	+697	63	-23	1910	191	'25	20	'18	0	2
13B	Stornoway	13	5	7	4	1	0	17	21	1387	+121	65	-12	1870	172	'04	10	'91	0	1
15	Aberdeen ...	13	11	6	0	0	0	4	23	862	+114	21	-27	1871	156	'34	10	'12	0	6
18	Aldergrove ...	11	6	9	4	0	0	10	13	1071	+233	55	+1	1926	75	'32	6	'38	2	0
19	Dublin ... (Phœnix Park)	14	5	8	3	0	0	12	4	857	+155	52	+6	1865	98	'77	1	'38	3	1
	Birr Castle ...	15	8	6	1	0	0	6	7	1187	+360	27	-27	1862	121	'94	4	'38	0	0
20	Valentia ... (Cahirciveen)	11	5	10	4	0	0	10	2	1670	+256	58	-35	1866	167	'01	2	'38	0	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	4	5	6	10	2	2	0
Ross-on-Wye ...	0	0	3	1	3	7	11	4	1	0
Falmouth (Obsy.)	1	2	6	10	8	0	2	1	0	0
Renfrew ...	0	0	1	5	11	4	9	0	0	0
Eskdalemuir ...	0	1	3	3	5	2	13	3	0	0
Aberdeen ...	0	1	2	3	6	10	6	2	0	0
Valentia ...	0	0	3	3	11	7	6	0	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)	9	21	0	0	0	0	0	0	0	0
Ross-on-Wye	16	14	0	0	0	0	0	0	0	0
Renfrew ...	17	13	0	0	0	0	0	0	0	0
Eskdalemuir	0	30	0	0	0	0	0	0	0	0
Aberdeen ...	12	18	0	0	0	0	0	0	0	0
Valentia ...	11	19	0	0	0	0	0	0	0	0

CODE for State of Ground.

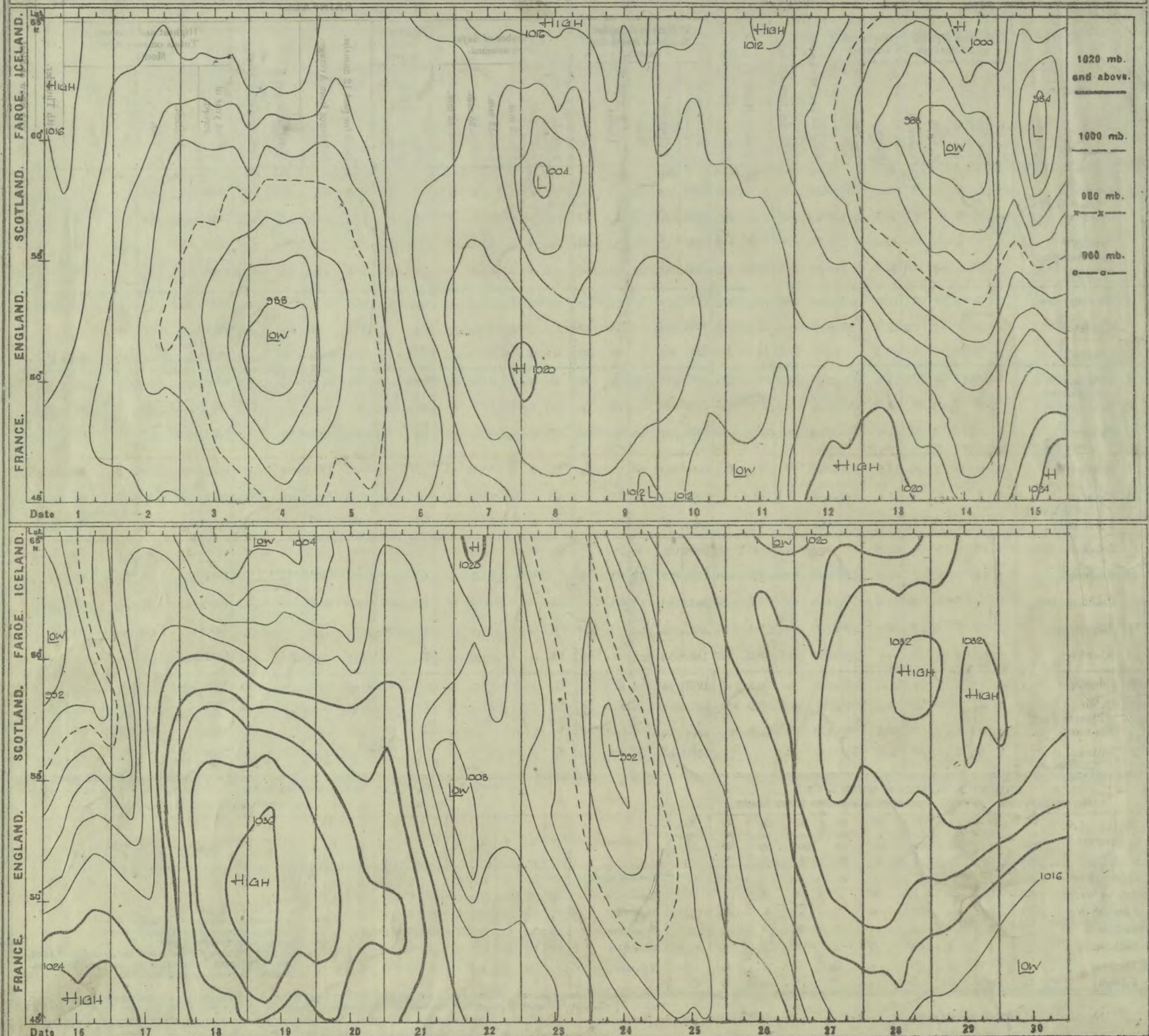
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow, greater than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

6627/3685. Wt. 8093. D.4605. Gp. 948. 1190. 5/39.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 1st April, 1939.
No. 28254.

OBSERVATIONS at 13h. G.M.T. 31st March

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)	1011·9	-2	ENE	4	z_o	54	55	5	-	·	6	0	4-6	-
	Croydon ...	1012·1	-2	E'N	4	z_o	55	55	6	-	-	1	0	2-3	-
	S. Farnborough	1011·4	-4	E	3	z_o	57	55	6	-	3	7	0	9+	-
	Boscombe Down	1011·3	-2	E'N	3	z_o	55	55	5	-	-	7	0	9	-
	Calshot (Sthmtn.)	1011·1	+8	SE'E	4	z_o	50	75	6	-	5	8	0	9	-
	Lympne ...	1013·0	+6	E'S	3	z_o	52	45	6	5	3	·	4-6	9	5700
	Manston ...	1012·5	+2	NE'E	3	D	49	75	5	-	-	1	0	1	-
2	Shoeburyness ...	1012·9	+2	NE'E	4	z_o	49	75	5	-	-	2	0	4-6	-
	Felixstowe ...	1013·8	+2	E	4	z_o	46	85	5	-	-	6	0	2-3	-
	Gorleston ...	1014·3	+2	E'N	3	bc	45	85	5	-	7	1	0	4-6	-
	Mildenhall ...	1013·7	-6	ENE	4	z_o	54	65	6	1	-	4	1	2-3	2500
	Cranwell ...	1015·2	-2	ENE	2	z_o	44	85	5	5	-	-	9+	9+	800
3	Birmingham ...	1013·6	+2	NE	3	z_o	44	85	5	5	-	-	9+	9+	1500
	Upper Heyford	1013·1	-2	ENE	3	z_o	50	75	6	·	4	-	1	2-3	2500
4	Ross-on-Wye	1012·2	-4	E'N	3	z_o	51	65	6	1	-	1	Tr	1	2500
5	Hartland Point	1009·3	+8	ENE	4	bc	49	85	7	4	-	-	4-6	4-6	1500
	Bristol ...	1011·5	-4	E	3	z_o	54	65	6	-	3	-	0	4-6	-
	Portland Bill ...	1010·0	+8	E	4	c	48	92	7	5	4	-	4-6	7-8	1500
	Plymouth ...	1009·0	+2	ENE	5	z_o	52	65	6	-	7	6	0	4-6	-
	The Lizard ...	1008·3	+8	E'S	4	z_o	52	92	5	8	6	-	4-6	7-8	1500
	Scilly (St. Mary's)	1008·0	+6	SE'E	3	e	51	92	7	5	-	-	9+	9+	2500
	Guernsey ...	1008·9	+4	NNE	1	bc	54	75	7	-	3	-	0	4-6	-
6	Pembroke ...	1010·3	0	SE	4	z_o	47	75	6	5	2	-	7-8	9+	2500
7	Holyhead ...	1011·8	+6	NE'E	4	bc	49	75	6	2	4	-	1	4-6	4000
	Chester (Sealand)	1013·9	-6	ESE	3	z_o	52	65	6	5	-	-	4-6	4-6	2500
8	Manchester ...	1014·8	+2	ENE	4	z_o	47	75	5	1	-	-	7-8	7-8	1500
10	Spurn Head ...	1015·9	0	E'S	3	c	43	92	6	5	-	-	10	10	1500
	Catterick ...	1016·8	-2	-	0	c	44	75	8	5	-	-	10	10	1500
	Tynemouth ...	1017·9	0	SE	2	c	42	75	7	8	-	-	9	9	1500
11	St. Abbs Head ...	1017·7	+4	SE	4	c	42	75	8	5	2	-	7-8	10	1500
	Leuchars ...	1018·5	+2	ESE	4	c	44	75	8	8	3	-	9	9+	1500
12	Renfrew (Abbots I.)	1016·3	-2	ESE	3	z_o	47	55	6	2	-	-	4-6	4-6	2500
	Eskdalemuir ...	1015·2	-2	ESE	4	bc	46	55	6	7	-	-	4-6	4-6	1500
	Point of Ayre ...	1014·4	0	SE	3	b	49	75	7	·	-	-	0	0	-
13A	Tiree ...	1014·8	-4	ESE	4	bc	47	65	7	5	3	-	2-3	4-6	4000
13B	Stornoway ...	1017·4	-4	E	4	c	46	75	8	5	7	-	4-6	10	2500
15	Dalwhinnie ...	1017·8	-12	S	3	c	42	75	7	5	4	1	4-6	9	2500
	Aberdeen ...	1019·5	+2	SE'S	3	c	43	75	6	5	2	-	4-6	10	1500
	Wick ...	1019·3	0	SSE	3	c	45	85	8	5	2	-	4-6	10	1500
16	Lerwick ...	1021·8	-2	S'E	4	c	44	75	8	5	2	-	7-8	9+	1500
17	Blacksod Point	1010·3	-10	ESE	4	c	48	85	7	-	2	-	0	10	-
18	Malin Head ...	1013·7	-8	E	5	bc	44	75	7	6	-	-	2-3	2-3	5700
	Aldergrove ...	1013·1	-10	ESE	4	z_o	49	65	5	1	-	-	4-6	4-6	2500
19	Birr Castle ...	1010·7	-4	SSE	1	o	44	85	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1008·9	-6	ESE	4	z_o	48	75	6	5	-	-	10	10	1500
	Roches Point	1009·5	0	E'S	3	z_o	46	92	6	5	1	-	7-8	10	1500

OBSERVATIONS at 18h. G.M.T. 31st March

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)	1012·2	+6	E'N	4	m	50	65	4	-	-	6	0	7-8	-	1	*
Croydon	1012·2	+6	ENE	3	z_o	50	75	5	-	4	2	0	9	-	1	*
S. Farnborough	1011·6	+6	ENE	2	z_o	54	55	5	-	8	1	0	4-6	-	0	*
Boscombe Down	1011·3	+10	SE'S	2	z_o	52	65	6	7	3	8	4-6	4-6	4000	0	*
Calshot (Sthmtn.)	1011·3	+4	SE'E	3	z_o	47	85	6	-	4	4	0	1	-	1	2
Lympne	1013·0	+4	NE'E	3	z_o	48	85	5	-	3	-	0	9+	-	1	§2
Manston	1012·3	+2	NE	2	z_o	46	85	5	5	3	-	1	10	5700	1	*
Shoeburyness	1012·9	+2	NE	3	m	45	85	4	5	2	-	9+	10	4000	1	*
Felixstowe	1013·4	+2	ENE	4	z_o	47	85	5	-	7	8	9+	9+	7200	0	1
Gorleston	1014·4	0	ENE	3	bc	44	92	5	5	-	8	4-6	4-6	1500	0	2
Mildenhall	1013·5	+2	E'N	3	z_o	50	75	6	-	9	4	0	4-6	-	1	*
Cranwell	1014·8	+4	NE	3	z_o	45	85	5	5	-	-	9+	9+	800	1	*
Birmingham	1013·0	-4	NNE	3	m	47	85	4	5	-	-	4-6	4-6	1500	1	*
Upper Heyford	1012·5	+2	E'N	2	z_o	53	65	6	-	-	6	0	9	-	1	*
Ross-on-Wye	1011·8	-4	E'N	2	z_o	51	75	5	-	3	2	0	2-3	-	1	*
Hartland Point	1009·0	+2	SE	4	bc	53	65	7	4	-	-	4-6	4-6	2500	0	3 *
Bristol	1011·1	+2	ENE	3	z_o	53	75	6	-	3	8	0	4-6	-	1	
Portland Bill	1010·3	+8	ENE	3	bc	47	92	7	5	-	-	4-6	4-6	1500	0	3
Plymouth	1009·6	+4	E	2	b	53	65	7	2	-	1	Tr	Tr	2500	0	1
The Lizard	1009·5	+6	E	[illegible]	bc	50	92	5	7	-	-	2-3	2-3	1500	0	1
Scilly (St. Mary's)	1008·5	+4	SE'S	2	bc	50	92	7	5	-	-	4-6	4-6	2500	1	2
Guernsey	1008·9	0	ENE	1	bc	50	85	7	-	7	-	0	2-3	-	1	2
Pembroke	1010·1	-2	SE	4	bc	51	75	6	5	7	-	4-6	4-6	2500	1	1
Holyhead	1011·2	-2	ENE	4	c	48	85	6	5	4	-	4-6	9	4000	0	2 *
Chester (Sealand)	1013·6	-2	E'S	2	z_o	49	75	6	-	6	-	0	2-3	-	1	
Manchester	1014·1	-4	ENE	4	m	46	75	4	-	3	4	0	2-3	-	1	*
Spurn Head	1015·5	-2	E'S	3	c	43	92	6	5	-	-	10	10	1500	0	2 *
Catterick	1016·2	0	NE'E	1	of+	43	92	3	5	-	-	10	10	1500	1	
Tynemouth	1017·0	-6	SE	2	o/r	43	97	5	-	2	-	10	10	1500	1	1
St. Abbs Head	1016·9	-6	SE	3	rF	42	92	1	3	-	-	10	10	800	1	*
Leuchars	1017·7	0	E	2	c	43	92	7	8	7	-	7-8	10	1500	1	*
Renfrew (Abbots I.)	1015·9	+6	ENE	4	z_o	45	75	6	4	-	-	2-3	2-3	4000	0	*
Eskdalemuir	1016·1	+2	NNE	2	bc	41	75	6	7	-	1	4-6	4-6	1500	1	*
Point of Ayre	1013·5	-4	SSE	4	c	46	85	7	4	3	-	1	7-8	4000	0	2
Tiree	1012·9	-8	E'S	4	bc	47	75	7	5	3	-	2-3	4-6	4000	0	3
Stornoway	1016·3	-4	E	2	bc	47	85	8	5	4	2	4-6	4-6	2500	1	1
Dalwhinnie	1018·0	-6	S	4	c	38	75	7	5	4	1	4-6	9	2500	0	*
Aberdeen	1018·7	-2	SE	3	r_or_o	42	97	4	6	2	-	9+	10	800	1	2
Wick	1018·8	-2	SSE	4	c/d	43	92	7	5	2	-	9	10	800	1	2
Lerwick	1022·0	+4	SSE	3	bc	43	85	8	5	3	1	2-3	4-6	1500	0	*
Blacksod Point	1008·8	-6	ESE	3	c	46	92	7	-	2	-	0	10	-	0	3
Malin Head	1012·2	-8	E'S	4	z_o	48	65	6	5	8	-	4-6	7-8	4000	0	2
Aldergrove	1011·9	-2	SSE	4	z_o	46	75	5	5	-	-	9	9	5700	1	*
Birr Castle	1009·4	-6	SSE	2	c	48	85	7	5	7	-	7-8	9	2500	1	*
Valentia Obsy. †	1007·5	-6	SSE	3	z_o	48	75	6	5	-	-	9+	9+	1500	0	1
Roches Point	1008·9	-2	ESE	3	z_o	47	97	6	5	-	-	9+	9+	800	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 31st (37)	13h.—18h. 31st (38)	18h. 31st to 1h. 1st (39)	1h.—7h. 1st (40)
London (Kew)	cmocmbczoy	bczoybcz	bczocmo	cmobcfx
Croydon	ocmbzoy	bczo⊕czo	czobm	bmffe
S. Farnborough	cbccy⊕	c⊕bcy	bcbmof	ff
Boscombe Down	cmoy	czoyczo	czobmbf	bf
Calshot (Sthmtn.)	cbccmo	bcmo	bwmo	bwmoffe
Lympne	bczoczoy	czoymo	cbczo	bczo⊕
Manston	bbcmo	cbccmo	cbcmo	cbwcmo
Shoeburyness	bwbcmo	bcmmc	cm	cbcmx
Felixstowe	bmobcmo	cmobcmocmo	cmo	cmobmow
Gorleston	cbczo	cbczo	bcczo	czo
Mildenhall	omocmobcmo	bcmoy	bcmocmo	cmobcmowb
Cranwell	omocmo	cbczo	cmoom	cm
Birmingham	ocm	cbcm	bcc	cF
Upper Heyford	cmobcmozo	bzobczoczo	cmo	coF
Ross-on-Wye	omoczobzo	bczoczobczo	bcmobmow	cmof
Hartland Point	cbc	bc	bc	bccbc
Bristol	cbczo	bczo	bcmobm	bmowfe
Portland Bill	c	cbc	b	bzo
Plymouth	bcmozo	bczob	bbcmobm	bmobcmo
The Lizard	czo	bczo	bcw	bccw
Scilly (St. Mary's)	czoc	cbc	bcc	cdoc
Guernsey	bc	bc	bcbw	xbwb
Pembroke	bcczo	bcczo	bczob	bzoc
Holyhead	cmobc	bcczo	cmob	bbcmo
Chester (Sealand)	cbczo	bcbbczo	bcczomw	cm-bc
Manchester	cmobczoz	bczoz	bczmo	bcmobmw
Spurn Head	oczo	oczo	cmow	omoc
Catterick	bcwc	comof	firoom	omomow
Tynemouth	cbcc	coiro	oidmo	o
St. Abbs Head	c	cofdr	fddom	ommoc
Leuchars	cproc	c	moido	mororoc
Renfrew (Abbots I.)	fmobc	bcyzo	bcbmo	bmocm
Eskdalemuir	cbcy	ybczo	bccmo	cmo
Point of Ayre	ocb	bbcc	cbcc	cbcz
Tiree	cbc	bc	bcc	c
Stornoway	c	cbc	b	b
Dalwhinnie	cir	c	*	ciro
Aberdeen	ciroc	roromo	roc	ccido
Wick	iroc	cidmo	cmo	cmo
Lerwick	bcc	cbc	bc	bcw
Blacksod Point	c	c	c	proc
Malin Head	oczozbc	bczozyc	cz	cproz
Aldergrove	bccbcmo	bccmo	cmo	cmo
Birr Castle	bcp	oc	cbc	bcx
Valentia Obsy. †	cbccz	cdo	czo	czo
Roches Point	iroczo	idoczo	czo	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.

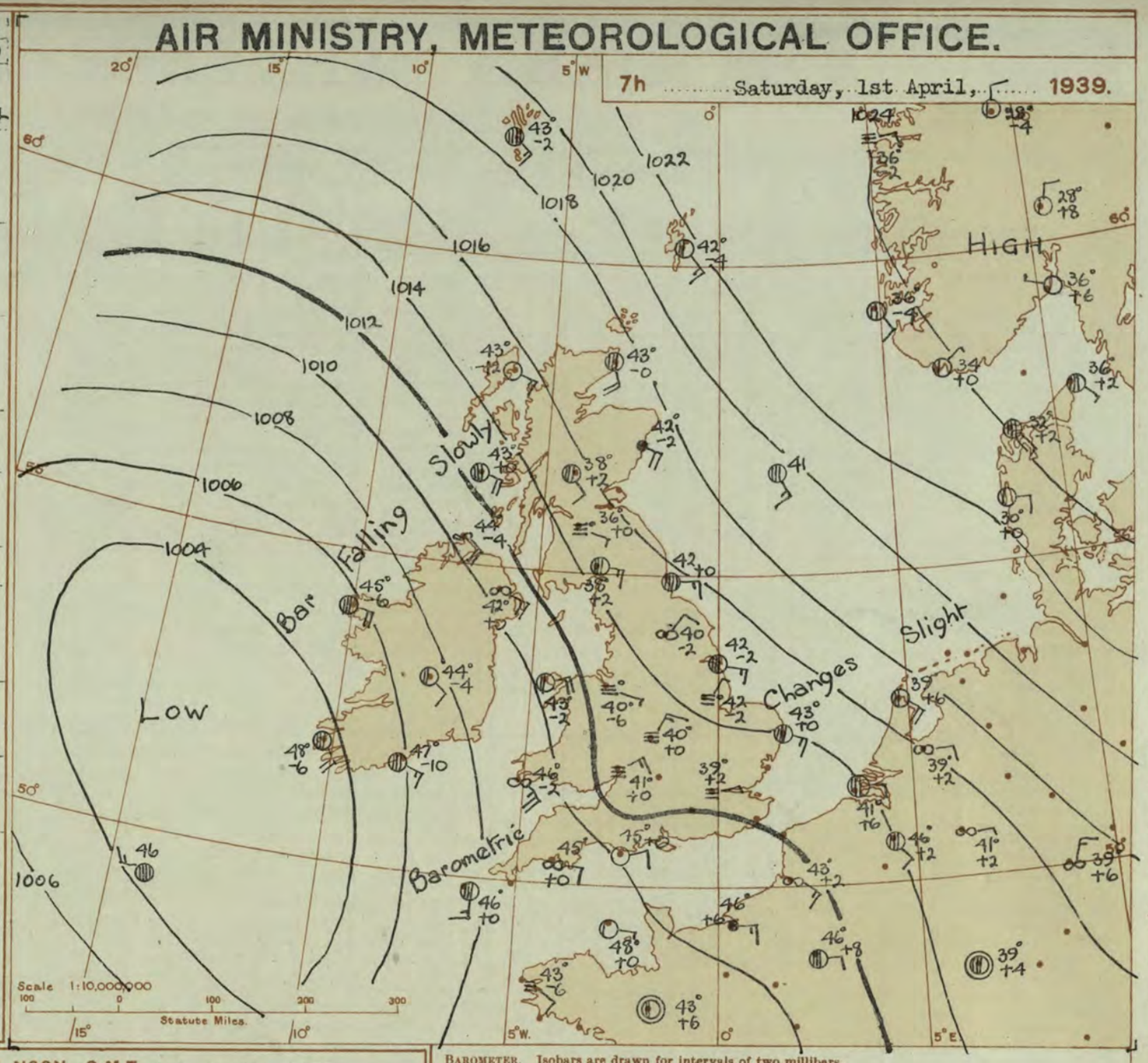
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 31st March, 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 30th to 9h. 31st	Temperature. (°F.) Max. 9h.—17h. 31st	Rainfall. (mm.) Night. 17h. 30th to 9h. 31st	Rainfall. (mm.) Day. 9h.—17h. 31st	Sunshine. (Hrs.) Sunrise to 17h. 31st	Sunshine. (Hrs.) Sunrise to Sunset. 30th
1	Tunbridge W.	b	bbcc	36	58	-	-	8·7	3·9
	Bournemouth	bbc	b	41	59	-	-	7·0	1·5
	Ventnor ...	obz	bz	43	53	-	-	8·2	0·9
	Southsea ...	b	b	42	58	-	-	8·0	1·9
	Bognor Regis	bcc	bc	41	53	-	-	5·8	1·9
	Littlehampton	bc	bc	40	56	-	-	5·5	1·7
	Worthing ...	bbc	bcb	41	54	-	-	6·5	1·7
	Brighton ...	bbc	b	41	59	-	-	8·0	1·5
	Eastbourne† ...	bcb	bbc	40	51	-	-	7·9	1·7
	Hastings† ...	bbc	bc	40	56	-	-	8·7	2·5
	Folkestone ...	mb	bcm	41	54	-	-	5·1	4·0
	Dover ...	bc	bcc	42	53	-	-	5·6	4·3
	Deal	cb	bbcm	41	51	-	-	7·0	3·9
	Ramsgate ...	bcz	bz	41	48	-	-	7·0	3·8
	Margate ...	bc	bcc	41	49	-	-	6·8	3·9
2	Southend ...	bm	bbcom	40	52	Trace	-	7·2	4·3
	Clacton-on-Sea	bcm	bccm	41	49	-	-	7·8	4·6
	Dovercourt ...	bcm	bcm	40	49	-	-	8·2	5·7
	Lowestoft ...	bmbc	bcbm	40	48	-	-	7·5	6·6
	Skegness ...	o	acb	39	45	-	-	3·9	4·9
	Mablethorpe...	o	bcb	39	45	-	-	1·8	3·5
	Cleethorpes ...	c	c	39	44	-	-	0·0	1·7
3	Leamington S.	bc	bc	38	55	-	-	4·6	3·7
4	Cheltenham†	cbcc	bccy	39	56	-	-	7·0	2·4
5	Bath	bcb	bcc	40	57	-	-	5·7	1·3
	Weymouth ...	bcb	cb	42	54	0·1	-	5·6	0·4
	Jersey ...	pcbc	bc	45	60	0·1	-	10·0	0·1
	Torquay ...	bcbz	bz	45	52	0·5	-	6·5	0·4
	Falmouth	bc	bc	44	53	-	-	6·6	1·0
	Penzance ...	cbc	b	43	55	4	-	8·4	0·5
	St. Ives ...								
	Bude... ...	bcc	cbc	43	59	0·2	-	7·9	0·5
	Ilfracombe ...	pcbcc	cbc	42	52	Trace	-	5·2	0·5
6	Aberystwyth	cbcc	c	41	55	-	-	1·6	3·3
7	Llandudno ...	cbc	bc	39	53	-	-	4·7	3·1
	Colwyn Bay...	ocbcb	bcb	39	53	-	-	4·9	2·5
	Rhyl	cm	bcbm	38	53	-	-	3·9	1·8
8	Wallasey ...	ocbc	bc	38	51	-	-	4·8	3·4
	Southport ...	czbcz	bczbz	36	51	-	-	6·8	7·0
	Blackpool ...	cz	bcbz	37	49	-	-	8·8	7·3
	Morecambe ...	bc	bbc	38	49	-	-	9·5	6·6
9	Ilkley... ...	o	oco	38	45	-	-	0·1	0·0
	Harrogate ...	co	co	36	43	-	-	0·0	1·2
10	Berwick-on-T.	co	dmo	39	43	1	Trace	0·1	2·5
11	Dunbar ...	cm	cm	38	45	2	-	0·4	0·2
12	Troon... ...	bcb	bcc	35	53	-	-	9·0	5·3
	Douglas ...	bc	bcf	39	46	-	-	4·5	5·4

† Max. Temp. for period 21h. yesterday to 7h. to-day; Min. Temp. 21h.–0h.



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 April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate east wind; fair at first, occasional rain later; mild.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate east wind; mainly fair, local rain later; rather mild.
10 N.E. England 11 S.E. Scotland	Moderate east wind; cloudy, local rain; rather cold.
~~12 S.W. Scotland~~ & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland.	Light to moderate southeast wind; fair; rather mild.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland	As 12 - 13B.
19 S.E. Ireland 20 S. W Ireland	As 0 - 6.

GENERAL INFERENCE.

A depression off South Ireland is almost stationary and a shallow depression over Central France will probably move north. Weather will be fair at first but there will be occasional rain in most districts later.

FURTHER OUTLOOK.

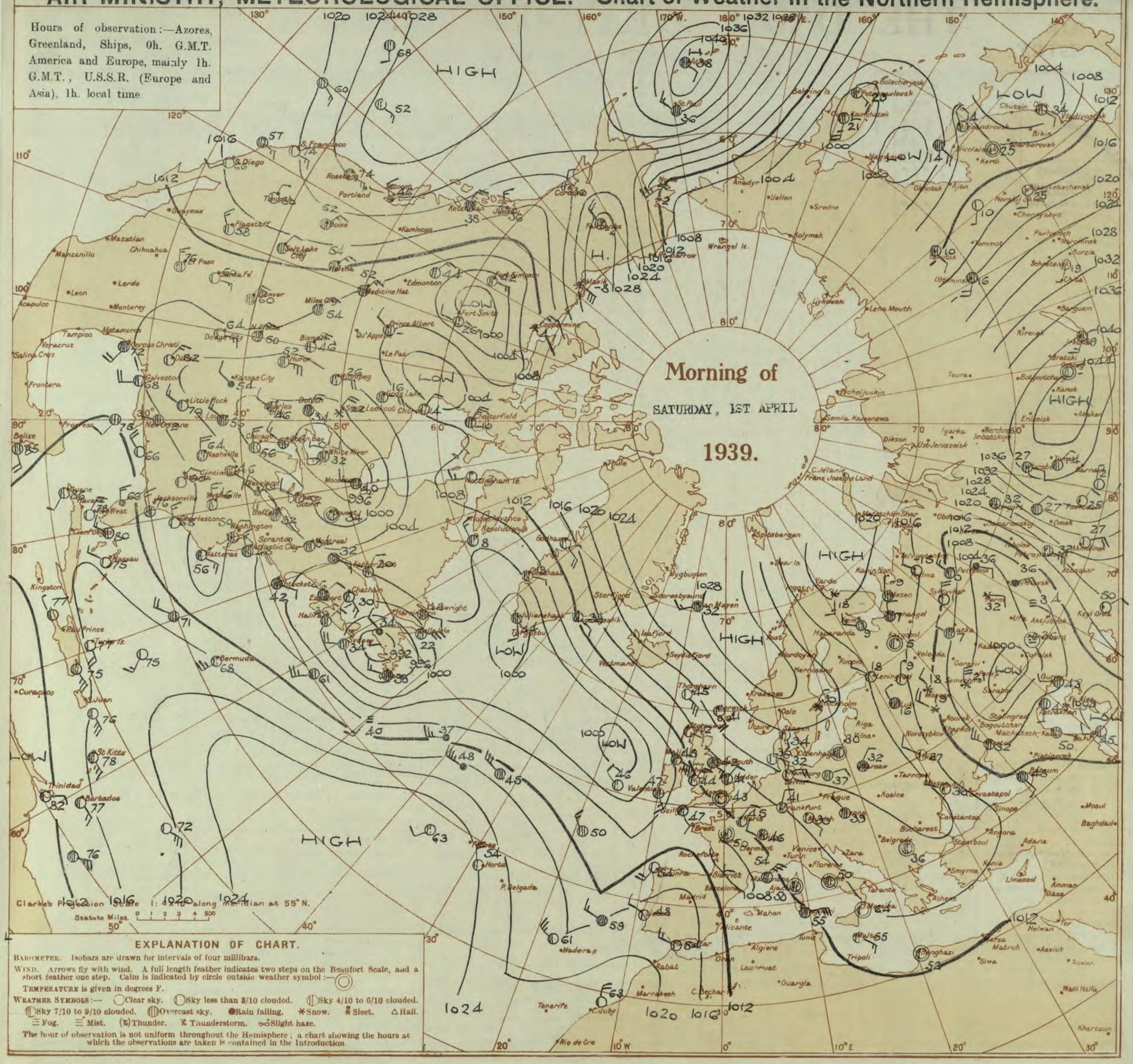
Unsettled; average temperature.

Forecasts issued at 1030 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

Saturday, 1st April, 1939.
No. 28254.

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

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	1012·1	-2	—	0	m	43	92	4	-	3	-	0	Tr	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1013·0	-2	E'N	3	z	46	75	6	-	3	8	0	4-6	-
	Manston	154	1012·1	-2	ESE	2	z	47	75	5	-	3	6	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1014·1	-4	ESE	4	c	44	85	6	5	-	-	9+	9+	2500
	Mildenhall	19	1013·1	-4	NE'E	2	za	44	92	5	5	1	-	7-8	10	5700
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1009·2	-2	SE	4	bc	45	97	8	4	-	-	4-6	4-6	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1010·4	-2	E	2	b	46	92	7	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1009·5	0	—	0	bc	46	97	6	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1008·7	-4	SSE	2	c	47	92	7	5	-	-	10	10	2500
	Guernsey	175	1009·7	-4	—	0	b	43	97	6	-	3	-	0	1	-
6	Pembroke	142	1010·4	0	SE	4	b	47	85	6	7	-	-	Tr	Tr	2500
7	Holyhead	26	1011·1	-2	ENE	3	b	44	92	6	-	4	-	-	Tr	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015·1	-2	NE	2	c	41	97	6	-	1	-	0	7-8	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1017·0	0	SE	3	o	42	85	6	5	-	-	10	10	800
11	St Abbs Head	280	1016·8	-4	SE	4	m/d	41	92	4	3	-	-	10	10	800
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1013·5	0	SE'S	4	c	44	92	7	-	3	-	0	7-8	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1015·6	0	ESE	2	b	42	75	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1018·3	-4	SSE	5	c	43	85	6	5	2	-	7-8	10	800
16	Lerwick	156	1022·2	0	SSE	4	bc	41	92	8	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1007·1	-12	E'S	4	c	46	97	7	-	2	-	0	10	-
18	Malin Head	84	1011·4	+2	SE'E	5	c/d	45	75	6	6	-	-	7-8	7-8	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1005·9	-6	SSE	3	c	47	97	7	5	-	-	9+	9+	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 1st 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)	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)	1012·1	0	WNE	2	cf-	42	97	2	-	-	2	0	7-8	-	1	*
Croydon	1012·1	+2	ENE	1	f-	39	97	1	-	-	-	10	10	<150	1	*
S. Farnborough	1011·9	0	—	0	F	33	97	0	-	-	-	10	10	<150	1	*
Boscombe Down	1011·7	0	N	1	bcf	35	97	1	5	4	-	Tr	2-3	2500	1	*
Calshot (Sthmtn.)	1011·0	0	NNW	2	cf	40	97	2	-	3	6	0	7-8	-	1	§2
Lympne	1012·9	+2	ENE	2	z	45	75	6	-	-	6	0	9+	-	1	1
Manston	1012·0	0	ESE	3	z	44	85	5	-	-	7	0	9+	-	1	*
Shoeburyness	1012·4	0	ENE	1	m	42	92	4	-	-	2	0	4-6	-	1	*
Felixstowe	1013·0	0	ENE	3	z	44	92	5	-	-	1	0	2-3	-	0	1
Gorleston	1013·9	0	ESE	3	c	43	85	5	5	3	-	4-6	7-8	2500	0	2
Mildenhall	1012·9	+2	E'N	1	z	42	97	5	5	3	-	4-6	4-6	5700	1	*
Cranwell	1014·3	-2	NE'N	1	m	42	97	4	5	-	-	9+	9+	4000	1	*
Birmingham	1013·0	0	NE	3	F	40	97	1	-	-	-	10	10	<150	1	*
Upper Heyford	1012·8	0	NE	2	f	40	97	2	-	-	-	10	10	<150	1	*
Ross-on-Wye	1012·5	0	NE'E	3	of	41	97	3	5	-	-	10	10	450	1	*
Hartland Point	1008·1	-2	SE	4	bc	44	97	8	7	4	-	4-6	4-6	1500	0	2
Bristol	1012·0	0	ENE	2	of	40	97	2	5	-	-	10	10	220	1	*
Portland Bill	1009·7	0	ENE	2	b	45	92	6	-	-	-	0	0	-	1	3
Plymouth	1009·1	0	E'S	2	z	45	85	6	7	-	-	4-6	4-6	2500	0	0
The Lizard	1008·7	0	E	1	c	45	97	7	8	2	-	7-8	9+	2500	1	1
Scilly (St. Mary's)	1007·7	0	S	3	c	46	97	8	5	-	-	10	10	2500	1	2
Guernsey	1009·3	0	ESE	1	b	48	85	6	-	1	-	0	Tr	-	‡	2
Pembroke	1009·0	-2	SE	5	z	46	85	5	5	-	-	9+	9+	2500	1	2
Holyhead	1010·1	-2	ENE	4	bc	43	92	6	-	4	-	0	2-3	-	0	2
Chester (Sealand)	1013·2	-6	ESE	1	m	40	92	4	5	-	-	7-8	7-8	800	1	*
Manchester	1013·4	-4	NE	2	m	40	92	4	1	-	-	Tr	Tr	5700	1	
Spurn Head	1014·2	-2	ESE	3	c	42	97	5	5	-	-	10	10	4000	1	2
Catterick	1015·0	-2	NE	2	z	40	97	5	5	-	-	10	10	450	1	*
Tynemouth	1015·8	0	E	3	o	42	92	6	5	-	-	10	10	800	1	2
St Abbs Head	1015·8	0	SE	3	d.d.	41	92	6	3	2	-	7-8	10	800	1	3
Leuchars	1016·7	+2	ESE	3	c	41	92	6	5	-	-	10	10	1500	1	*
Renfrew (Abbots I.)	1015·6	0	ESE	1	m	36	97	4	5	-	-	9+	9+	4000	0	*
Eskdalemuir	1015·0	+2	E'S	3	c	38	85	6	5	-	6	4-6	9+	800	1	*
Point of Ayre	1012·9	0	S'E	4	bc	43	85	6	-	-	6	0	2-3	-	0	2
Tiree	1012·2	0	ESE	4	c	43	85	7	5	3	-	2-3	7-8	4000	0	3
Stornoway	1014·6	-12	ESE	3	b	43	75	7	-	-	-	0	0	-	1	2
Dalwhinnie	1016·7	+2	SE	2	c	38	92	5	5	1	-	7-8	10	2500	1	*
Aberdeen	1017·6	-2	SE'E	4	id.	42	97	4	5	2	-	4-6	10	800	1	2
Wick	1017·5	0	SSE	4	c	43	75	7	5	2	-	7-8	10	800	1	2
Lerwick	1021·2	-4	SE'S	3	bc	42	85	8	5	-	9	2-3	4-6	1500	0	*
Blacksod Point	1005·7	-2	E'S	4	c	45	97	7	-	2	-	0	3	-	0	3
Malin Head	1010·1	-4	SE'E	4	z	44	85	6	6	-	-	7-8	7-8	4000	0	2
Aldergrove	1011·4	0	SE'E	4	z	42	85	5	5	-	-	10	10	1500	1	*
Birr Castle	1007·4	-4	SE	2	bc	44	97	7	5	-	-	4-6	4-6	2500	1	*
Valentia Obsy. †	1003·7	-6	SE	4	c	48	75	8	5	-	†	9	9	1500	0	1
Roches Point	1006·3	-10	ESE	3	c	47	92	8	6	7	-	4-6	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 31st Hrs. (36)
London (Kew)	56	38	26	-	Tr	5·7
Croydon	56	39	31	-	Tr	5·5
S. Farnborough	59	31	30	-	Tr	5·3
Boscombe Down	59	35	32	-	Tr	7·0
Calshot (Sthmtn.)	53	37	35	-	Tr	9·4
Lympne	54	40	34	-	-	6·1
Manston	50	42	34	-	-	7·3
Shoeburyness	51	36	30	-	-	7·0
Felixstowe	47	43	40	-	-	8·2
Gorleston	46	43	41	-	-	8·2
Mildenhall	55	39	*	-	Tr	7·3
Cranwell	50	41	40	-	-	3·3
Birmingham	50	40	39	-	-	1·1
Upper Heyford	57	39	33	-	-	*
Ross-on-Wye	53	39	30	-	-	5·0
Hartland Point	56	53	42	-	-	8·0
Bristol	56	35	26	-	-	5·7
Portland Bill	49	43	*	-	-	*
Plymouth	55	44	42	-	[illegible]	9·7
The Lizard	53	44	*	-	-	8·8
Scilly (St. Mary's)	52	45	*	-	Tr	2·3
Guernsey	55	42	33	-	-	11·5
Pembroke	52	44	*	-	-	3·1
Holyhead	51	42	38	-	-	4·1
Chester (Sealand)	53	37	30	-	-	4·3
Manchester	49	37	30	-	-	3·7
Spurn Head	44	40	*	-	Tr	0·0
Catterick	46	40	40	-	Tr	1·3
Tynemouth	44	42	40	Tr	0·1	1·1
St Abbs Head	43	40	*	0·6	0·6	*
Leuchars	45	41	39	0·2	0·3	0·2
Renfrew (Abbots I.)	50	33	28	-	-	5·7
Eskdalemuir	47	34	31	-	-	6·3
Point of Ayre	50	41	*	-	-	7·6
Tiree	43	41	39	-	-	7·0
Stornoway	47	40	*	-	-	6·3
Dalwhinnie	43	37	35	0·1	Tr	1·5
Aberdeen	43	40	39	0·2	Tr	0·0
Wick	44	42	*	0·3	-	*
Lerwick	45	39	*	-	-	5·9
Blacksod Point	43	41	*	-	0·4	*
Malin Head	(48)	40	*	-	0·1	9·0
Aldergrove	49	42	41	-	-	5·5
Birr Castle	48	37	28	-	-	0·4
Valentia Obsy. †	49	47	42	-	-	1·0
Roches Point	49	46	*	0·3	-	*

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	cmembzy	bczycm	cm, bcfx	56	38	26	-	Tr	5·7	·	·	2
Croydon	217	ocmbzy	bcz∘cz	czbmf fe	56	39	31	-	Tr	5·5	·	·	3
Greenwich (Royal Observatory)	149	b	bye	cbf	56	38	29	-	-	7·3	51	90	3
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	7·1	·	·	·
Westminster (St James' Park)	27	·	·	·	57	44	38	-	-	6·9	67	83	·
Regents Pk. (Botanic Gardens)‡	168	·	·	·	57	41	37	-	-	6·8	51	95	·
Camden Square	110	bc	o	·	59	41	34	-	-	·	·	86	·
Kensington	80	bcz	bcz	·	57	41	33	-	-	6·9	75 (At 18h.)	89	·
Hampstead Observatory	450	bc	bc	bcm	54	40	35	-	-	8·1	·	89	·

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
Pollution Defective			

Kew Observatory.

Max.	Time.	Min.	Time.
0·6	22h 31st	0·2	13h 31st

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 31st March Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 1st April 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	1009·9	ENE	2	bc	59	1011·9	E	2	c	46	64	43	-	-
Brussels						1013·5	SE	2	c	46		43		-
Berlin	1020·1	ENE	3	b	45	1022·1	E	4	z	37	48	32	-	-
Zürich	1013·9	NE	2	bc	54	1014·8	ENE	1	m	37	63	36	-	-
Rome	1015·8	S	2	bc	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.

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, ADASTRAL HOUSE, 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 2nd April 1939.
No. 28255

OBSERVATIONS at 13h. G.M.T. 1st 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)	°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)...	1010.4	-6	SSE	2	m	55	65	4	5	2	-	2-3	10	2500
	Croydon	1010.9	-6	S'E	1	roro	55	75	6	-	2	-	10	10	4000
	S. Farnborough	1010.4	-10	E	2	roro	50	85	4	-	2	-	10	10	4000
	Boscombe Down	1008.6	-2	ESE	5	bc	60	55	7	8	7	-	2-3	4-6	4000
	Calshot (Soton.)	1009.4	-12	ESE	3	G/pr	49	85	7	7	8	-	9	9+	4000
	Lympne ...	1011.6	-10	E	2	c/r	55	75	7	5	7	-	1	9+	4000
	Manston ...	1011.1	-8	E'S	1	iro	50	85	5	-	2	-	0	9+	-
2	Shoeburyness ...	1011.5	-4	NE	3	m	49	85	4	6	1	-	1	10	2500
	Felixstowe ...	1012.2	-10	E	3	zo	48	75	5	-	-	7	0	10	-
	Gorleston ...	1013.0	-6	SE'E	2	c⊕	46	92	5	5	-	-	7-8	7-8	2500
	Mildenhall ...	1011.1	-14	E'S	3	zo⊕	57	65	6	-	1	7	0	10	-
	Cranwell ...	1011.6	-14	E	3	zo	53	75	6	-	1	6	0	9+	-
3	Birmingham ...	1011.0	-14	ENE	2	m	53	75	4	-	-	-	0	0	-
	Upper Heyford	1010.7	-14	E	2	zo	57	75	5	8	3	-	4-6	7-8	2500
4	Ross-on-Wye ...	1009.6	-14	NE	3	zo	51	75	5	1	-	1	2-3	2-3	2500
5	Hartland Point	1006.5	-16	WSW	3	bc	51	92	7	2	1	-	4-6	4-6	1500
	Bristol	1009.1	-22	ENE	3	zo	55	75	6	7	-	-	2-3	2-3	4000
	Portland Bill ...	1008.8	-8	ENE	3	bc	50	92	6	5	-	-	4-6	4-6	1500
	Plymouth ...	1007.1	-14	S'E	2	zo	58	65	5	2	-	6	Tr	9+	4000
	The Lizard ...	1006.7	-12	SE'E	2	c	49	92	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	1005.5	-14	SSE	4	c	50	92	7	5	-	-	10	10	2500
	Guernsey ...	1007.1	-14	E	1	zo	59	55	7	2	1	-	2-3	4-6	2500
6	Pembroke ...	1007.2	-10	SSE	4	zo	49	85	5	5	1	-	4-6	4-6	2500
7	Holyhead ...	1007.8	-18	ENE	3	bc	54	75	6	-	8	4	0	4-6	-
	Chester (Sealand)	1010.6	-20	SSE	3	zo	51	75	5	5	-	-	1	1	1500
8	Manchester ...	1010.3	-18	E'S	3	zo	58	55	5	1	-	-	1	1	5700
10	Spurn Head ...	1012.9	-6	ESE	3	c	45	65	6	5	-	-	9+	9+	2500
	Catterick ...	1013.2	-12	N'E	2	of+	48	85	3	5	-	-	10	10	450
	Tynemouth ...	1014.5	-10	SE	3	o/r	43	92	6	-	2	-	10	10	800
11	St. Abbs Head...	1015.1	-4	ESE	4	iro	42	92	6	5	2	-	7-8	10	1500
	Leuchars ...	1014.9	-12	E	3	ido	43	97	4	5	-	-	10	10	450
12	Renfrew (Abbotsl.)	1013.2	-14	ENE	4	zo	48	75	6	5	-	-	9+	9+	4000
	Eskdalemuir ...	1012.7	-6	NE	3	c	45	85	6	5	-	-	9+	9+	1500
	Point of Ayre ...	1010.4	-16	E'S	2	bc	49	85	6	-	-	6	0	2-3	-
13A	Tiree	1010.6	-4	ESE	4	bc	49	75	7	5	3	-	4-6	4-6	4000
13B	Stornoway ...	1013.4	-4	ESE	3	b	49	75	8	1	-	-	1	1	5700
15	Dalwhinnie ...	1014.2	-12	S	6	c	43	75	6	5	4	-	7-8	10	1500
	Aberdeen ...	1016.7	-6	SE'E	4	c/d	42	92	6	6	2	-	7-8	10	800
	Wick	1016.7	-10	SSE	6	c	43	85	6	5	2	-	9	10	800
16	Lerwick... ...	1019.3	-14	SE'S	3	bc	45	75	8	5	4	1	4-6	4-6	1500
17	Blacksod Point...	1004.5	-14	E'S	4	c	50	92	7	-	2	-	0	10	-
18	Malin Head ...	1008.5	-6	E	5	zo	47	75	6	-	6	-	0	4-6	-
	Aldergrove ...	1008.6	-18	SE	5	zo	51	65	6	5	3	-	4-6	4-6	2500
19	Birr Castle ...	1006.2	-8	SE	1	o	48	92	7	5	-	-	10	10	2500
20	Valentia Obsy.†	1002.0	-14	SE	4	roro	47	85	8	5	2	-	4-6	10	1500
	Roches Point ...	1004.6	-14	SE'E	4	c	43	92	8	5	1	-	7-8	10	1500

OBSERVATIONS at 18h. G.M.T. 1st April

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)	1008.0	-10	ENE	3	roro	53	75	4	5	-	-	10	10	1500	1	*
Croydon	1008.3	-14	E'N	2	m/ro	53	85	4	5	7	-	4-6	10	4000	1	*
S. Farnborough	1006.6	-8	ENE	2	r/dr	51	85	6	8	-	-	10	10	2500	1	*
Boscombe Down	1007.0	-8	E'N	2	zo	53	75	6	8	7	-	9	10	2500	0	*
Calshot (Soton.)	1007.4	-6	E'S	4	roro	48	92	6	5	-	-	10	10	4000	1	2
Lympne	1009.4	-20	NE	3	zo	49	75	5	5	2	-	2-3	10	5700	1	§2
Manston	1008.4	-16	NE'N	3	c/r	46	85	5	5	7	-	7-8	10	5700	1	*
Shoeburyness	1009.5	-10	NNE	3	roro	46	92	4	-	2	-	10	10	1500	1	*
Felixstowe	1010.4	-10	ENE	2	iro	47	85	5	5	2	-	4-6	10	2500	0	1
Gorleston	1011.0	-10	ENE	2	c	45	85	5	5	1	-	4-6	10	2500	0	2
Mildenhall	1009.8	-4	E	2	c/r	51	75	5	5	7	-	4-6	10	2500	1	*
Cranwell	1009.9	-10	ENE	3	zo	46	97	6	-	7	6	0	9+	-	1	*
Birmingham	1007.6	-12	ESE	4	G/or	55	55	8	8	7	6	7-8	9	2500	1	*
Upper Heyford	1008.6	-14	ENE	1	iro	51	85	5	5	2	-	7-8	10	1500	1	*
Ross-on-Wye	1006.4	-12	ESE	3	bc	55	65	8	2	-	2	2-3	4-6	2500	1	*
Hartland Point	1005.3	-2	W	2	c	50	97	6	5	4	-	4-6	9	1500	0	2
Bristol	1006.7	-4	E'S	3	bc	54	75	7	8	4	8	4-6	4-6	2500	0	*
Portland Bill	1005.9	-14	E	3	c	47	92	7	5	-	-	7-8	7-8	2500	1	3
Plymouth	1006.1	-2	SSW	3	cf+	46	97	2	5	3	-	9	9+	<150	0	2
The Lizard	1005.8	-10	E'S	2	c	48	97	7	5	2	-	7-8	10	1500	1	2
Scilly (St. Mary's)	1005.1	-2	W'N	4	ir	46	97	6	8	2	-	7-8	10	1500	1	2
Guernsey	1005.4	-6	-	0	c	52	75	7	-	7	6	0	7-8	-	1	1
Pembroke	1005.5	-4	S'E	1	zo	47	85	5	5	2	-	4-6	10	2500	0	1
Holyhead	1005.2	-16	-	0	c	54	75	7	2	8	2	Tr	7-8	4000	0	1
Chester (Sealand)	1007.4	-18	E	3	G/tlR	56	65	7	9	3	-	7-8	9	2500	1	*
Manchester	1008.2	-6	SSE	4	tlro	52	75	5	9	-	-	6	10	2500	1	*
Spurn Head	1011.0	-10	ESE	4	c	42	92	6	5	8	3	4-6	9	1500	0	3
Catterick	1010.9	-6	SE	3	zo	49	75	6	8	8	-	7-8	7-8	1500	1	*
Tynemouth	1012.8	-6	SSE	3	c	44	85	6	2	6	-	4-6	7-8	2500	1	2
St. Abbs Head	1012.9	0	SE	4	G/r	41	97	6	3	2	-	4-6	10	1500	1	3
Leuchars	1013.4	-8	E	3	zo	42	92	6	5	-	-	10	10	450	1	*
Renfrew (Abbotsl.)	1010.9	-14	ENE	4	zo	46	85	6	5	8	-	4-6	7-8	2500	0	*
Eskdalemuir	1011.0	-6	NE'N	3	bc	44	85	6	7	-	-	4-6	4-6	2500	1	*
Point of Ayre	1007.5	-10	SSE	2	c	49	85	6	-	8	6	0	7-8	-	0	1
Tiree	1007.9	-8	E	4	bc	48	75	7	1	-	-	2-3	2-3	4000	0	3
Stornoway	1011.3	-4	ENE	2	b	49	75	8	-	4	-	0	Tr	-	1	1
Dalwhinnie	1011.6	-10	SW	3	c	40	92	5	5	7	-	7-8	10	1500	0	*
Aberdeen	1015.3	-6	SE	4	c	41	92	6	6	2	-	9+	10	800	1	2
Wick	1014.9	-10	SSE	6	c	42	92	6	5	2	-	9	10	800	1	3
Lerwick	1018.0	-2	SE'S	3	bc	43	85	8	5	4	-	4-6	4-6	1500	0	*
Blacksod Point	1002.6	-14	E'S	5	c	50	92	7	-	7	-	0	10	-	1	4
Malin Head	1006.4	-10	E	5	zo	51	65	6	4	4	-	4-6	7-8	5700	0	2
Aldergrove	1006.4	-14	SE'S	4	zo	50	75	6	5	3	-	2-3	7-8	2500	1	*
Birr Castle	1003.7	-18	SSE	2	c	49	85	8	-	7	-	0	10	-	1	*
Valentia Obsy.†	1001.8	+10	NW'W	6	ir	43	92	6	6	-	-	10	10	800	1	4
Roches Point	1002.7	-14	S	4	ror	47	97	7	6	2	-	7-8	10	800	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 1st (37)	13h.–18h. 1st (38)	18h 1st to 1h. 2nd (39)	1h.–7h. 2nd (40)
London (Kew)	cfom	crocmro	crorom cm	cmcrRo
Croydon	ofecro	crorz	rorrriro	rororrc
S. Farnborough	Fbcmroo	roc,tlR	Rrrcm	oddoDf
Boscombe Down	bfbcmbcl	bcycmo	cmocroro	cdfdFd
Calshot (Soton.)	bcfcpro	cmociro	circroro	cirmoofe
Lympne	czororoc	cmoiro	cmororr	omorroc
Manston	czoiro	cmoiro	ciromo	crorofpro
Shoeburyness	bcmo	roromo	oiromo	rrcFF
Felixstowe	bmocmo	cmoiromo	oiromocm	oirrorm
Gorleston	cbcczo	czo	cprocz₀	czororr
Mildenhall	czo	czcirzo	czcrorc	ccrr
Cranwell	cmbcmo	czomo	cmo	crororo
Birmingham	Fbm	bbcprh	coiro	Riroo
Upper Heyford	ofbcmo	bcproRiro	cmorrcm	cmorm
Ross-on-Wye	ofcmbcz	bczbc	comopor	rmdf
Hartland Point	bcc	c	croro	roroc
Bristol	ofebcz	bccprobc	bccporo	crroro
Portland Bill	bcc	bcc	co	of
Plymouth	bczocz	czofocff	ffoRiro	idomcpro
The Lizard	c	c	cprc	cprbc
Scilly (St. Mary's)	c	cRir	circ	cbc
Guernsey	bzbcz	bczoc	cjf	corro
Pembroke	czbc	bczoc	ozolirorrc	ciro
Holyhead	bcbmo	bczoc	prororoc	RRrrc
Chester (Sealand)	bccmo	bcztlRtlm	clmo	crrmo
Manchester	bmwfbmo	czoycm	tlrccrr	ccrrcm
Spurn Head	cjfm	c	cmow	cror
Catterick	cmrof	pfcmmo	cmowcm	cmom
Tynemouth	oiro	bc	coliro	oiroo
St. Abbs Head	omorc	crrmoc	c	c
Leuchars	idocoidm	oidomcm	cirocmo	cmo
Renfrew (Abbotsl.)	cmozo	cbczomo	bccmo	cmo
Eskdalemuir	cmo	cbc	bcmo	bcco
Point of Ayre	bcz	bccz	cprc	cprrr
Tiree	cbc	bc	bcc	circ
Stornoway	b	b	b	b,c
Dalwhinnie	cido	cid	.	c
Aberdeen	mcido	czo	czo	czo
Wick	idomo	omo	cmo	cmoc
Lerwick	bccbc	bc	bcc	c
Blacksod Point	c	iroc	prcq	prc
Malin Head	bczo	bczc	bczc	cprc
Aldergrove	mocbczo	bcczo	irorrm	rrirom
Birr Castle	bco	oc	croc	cbcx
Valentia Obsy.†	rrroro	rorodd iro	irobcpcc	cbwb
Roches Point	c	crr	circ	bcbw

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.*

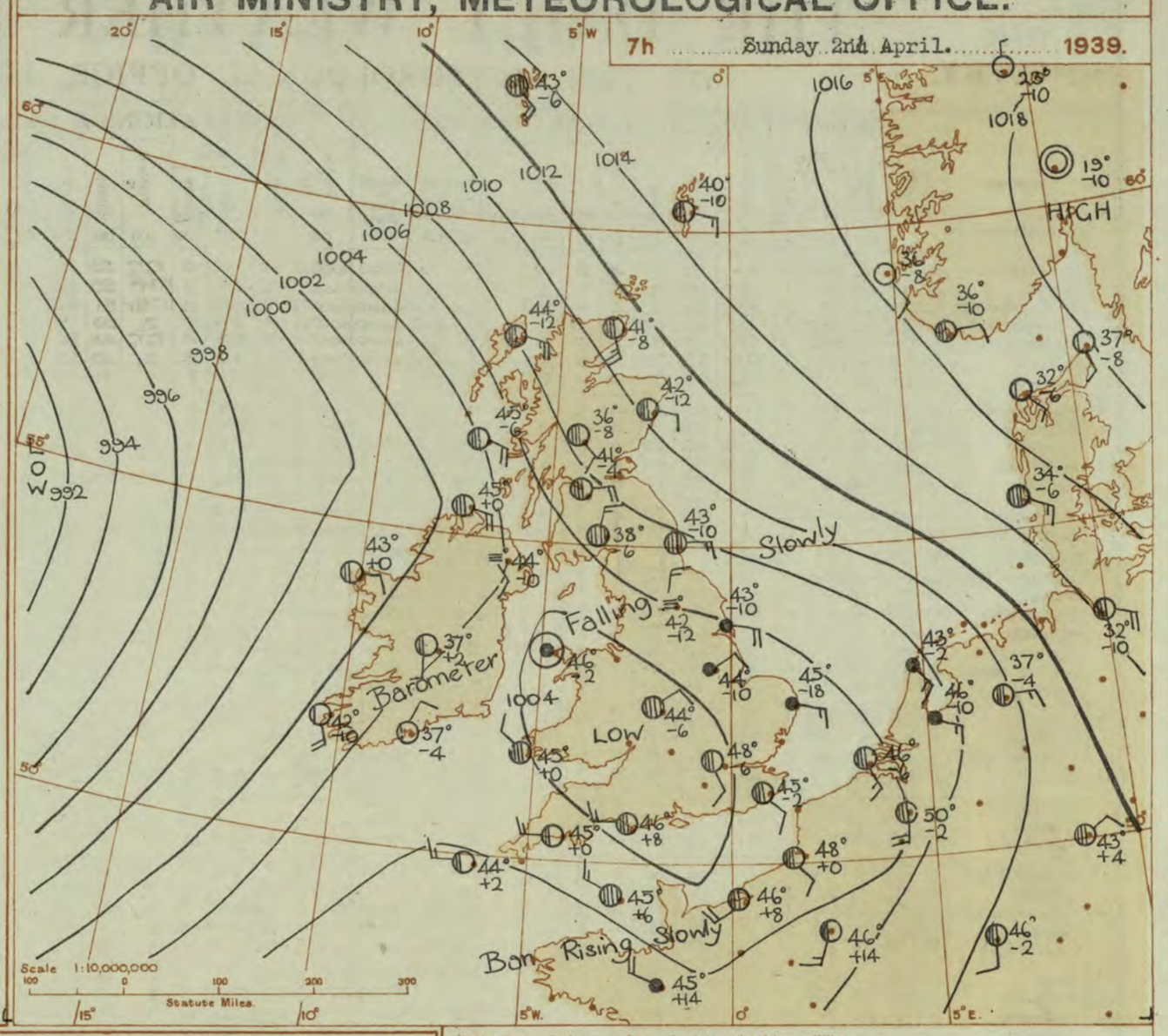
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 1st April 1939.

District.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 31/3 to 1/4 9h.	Temperature. (°F.) Max. 9h.—17h. 1/4	Rainfall. (mm.) Night 17h. 31/3 to 9h. 1/4	Rainfall. (mm.) Day 9h.—17h. 1/4	Sunshine. (Hrs.) Sunrise to 17h. 1/4	Sunshine. (Hrs.) Sunrise to Sunset 31/5
1	Tunbridge W.	o	ocod	34	60	–	Trace	0·2	9·1
	Bournemouth	b	bcro	37	60	–	Trace	5·1	7·0
	Ventnor ...								
	Southsea ...	bccr	cpc	41	59	–	0·4	2·5	8·7
	Bognor Regis	oir	oir	*	56	–	1	0·0	5·8
	Littlehampton	crc	cor	41	59	–	2	0·0	6·3
	Worthing ...	c	cor	44	58	–	2	0·0	7·3
	Brighton ...	crc	ccbr	44	61	–	2	0·4	8·3
	Eastbourne† ...	orc	cor	40	53	–	0·4	0·2	8·2
	Hastings† ...	opoc	copo	45	56	–	0·3	0·0	8·9
	Folkestone ...	mbcco	irom	45	57	–	0·3	1·5	5·1
	Dover ...	bccor	ro	40	56	–	0·5	1·9	5·6
	Deal	cor	o	36	50	–	Trace	2·3	7·0
	Ramsgate ...	bcc	cz	43	50	–	–	2·0	7·0
	Margate ...	bcc	cd	42	51	–	Trace	3·0	6·8
2	Southend ...	cmom	omir	41	53	Trace	Trace	1·0	7·2
	Clacton-on-Sea	bccm	crm	43	49	–	Trace	2·1	7·8
	Dovercourt ...	bcm	doc	43	50	–	Trace	3·1	8·2
	Lowestoft ...	bbzbc	c	43	47	–	–	4·7	7·5
	Skegness ...	cbcc	c	40	46	–	–	0·3	3·9
	Mablethorpe...	c	c	40	45	–	–	0·7	1·8
	Cleethorpes ...	cbc	bcc	41	47	–	–	1·9	0·0
3	Leamington S.	bc	bccp	41	60	–	0·3	4·0	4·6
4	Cheltenham†	wocbc	cbcc	36	59	–	–	5·0	7·0
5	Bath	mcbcb	bbcc	38	62	–	–	5·0	5·7
	Weymouth ...	b	b	42	55	–	–	9·6	6·3
	Jersey ...	b	bbc	45	61	–	–	10·5	11·1
	Torquay ...	wbz	bz	38	54	–	–	10·6	7·5
	Falmouth	c	c	46	51	Trace	–	0·6	7·1
	Penzance ...	c	o	46	52	Trace	–	0·2	9·3
	St. Ives ...								
	Bude... ...	bc	bcm	41	59	–	–	7·8	8·4
	Ilfracombe ...	cbcz	bcbbc	44	61	–	–	9·2	5·8
6	Aberystwyth	cbc	bcc	44	60	–	–	8·5	1·6
7	Llandudno ...	mz	bbcz	40	60	–	–	8·9	4·7
	Colwyn Bay...	bcb	bcb	36	60	–	–	8·7	4·9
	Rhyl	bcz	bcm	37	58	–	–	6·4	3·9
8	Wallasey ...	mbcm	bcm	39	58	–	–	7·2	4·8
	Southport ...	ombc	bcmbc	35	61	–	–	7·0	6·8
	Blackpool ...	bcmb	bcmbp	38	59	–	Trace	7·7	8·8
	Morecambe ...	bcc	bcc	41	59	–	–	6·7	9·5
9	Ilkley... ...	oc	cbc	37	56	–	–	4·3	0·1
	Harrogate ...	oc	bcb	39	54	Trace	–	5·1	0·0
10	Berwick-on-T.	om	mbo	41	43	0·2	0·2	0·0	0·1
11	Dunbar ...	cm	cm	39	44	0·3	–	0·0	0·4
12	Troon... ...	bcb	bccbc	36	56	–	–	6·7	9·0
	Douglas ...	bcwz	bcz	40	51	–	–	7·9	4·5

† 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. 2nd April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable wind becoming southwest, moderate; dull with occasional rain and chance of thunder at first, becoming fair temporarily; average temperature.
5 S.W. England 6 South Wales ...	Light variable wind becoming southwest to south, fresh to strong; fair at first, rain later; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	As 1 - 4.
10 N.E. England 11 S.E. Scotland	Fresh southeast wind strong locally; cloudy, occasional rain; rather cold.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. ▼	Wind southeast to south, fresh to strong, gale locally later; cloudy, occasional rain; average temperature.
14 Mid Scotland 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 ▼	Wind southeast to south, increasing to strong to gale; fair at first, rain later; average temperature.

GENERAL INFERENCE.

A shallow depression covers England and Wales while a deepening depression on the Atlantic will move east. There will be occasional rain in most districts, with a chance of local thunder, but weather will be fair at first in the Southwest. General rain will be renewed in Ireland later today.

FURTHER OUTLOOK.

Renewed rain spreading east to all districts.

Time of Issue of Gale Warnings.

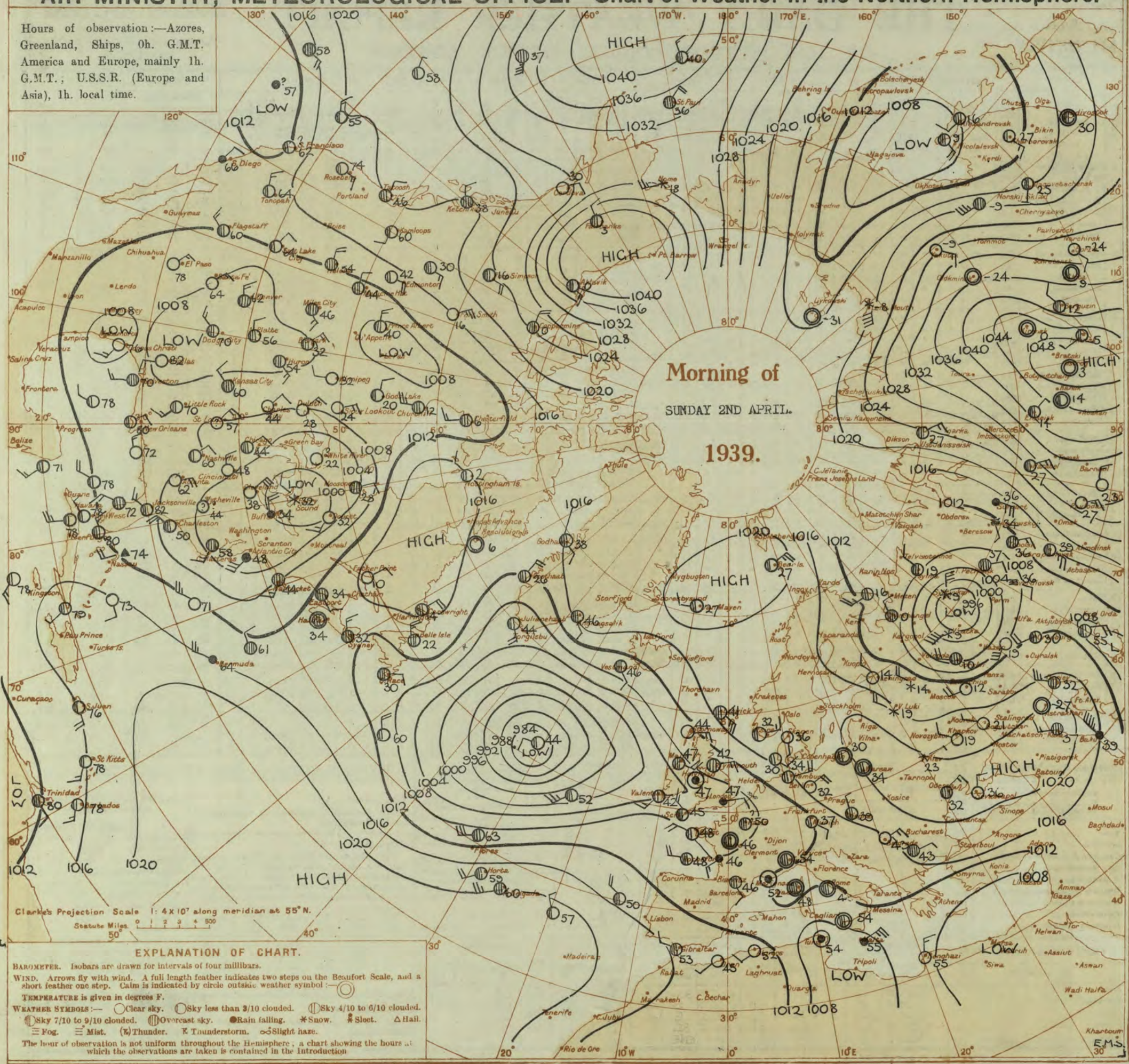
▼ South Cone hoisted at 0900 on 2/4/39 in districts 13, 17, 19 and 20.

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. G.465/3670. m. 8109. D.4626. Gp. 948. 35400. 4/39.

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 2nd April, 1939.
No. 28255

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

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	1005.4	-14	E	2	ro	47	92	5	6	2	–	7-8	10	4000
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1006.8	-10	SSE	2	rr	48	92	6	6	7	–	7-8	10	450
	Manston	154	1005.5	-14	SE	2	ro	47	92	5	–	2	–	10	10	450
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1007.5	-14	SE'E	4	c	44	92	6	5	–	–	10	10	2500
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1005.2	-4	NW	2	roro	46	97	8	6	2	–	7-8	9+	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1003.7	-16	E	2	e	47	92	7	5	–	–	10	10	1500
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1005.9	-4	NW	2	c	43	92	7	8	1	–	7-8	10	1500
	Scilly (St. Mary's)	163	1006.6	0	WNW	3	c	45	92	8	8	3	5	4-6	7-8	1500
	Guernsey	175	1004.6	-2	WNW	2	c	47	97	7	8	–	–	10	10	2500
6	Pembroke	142	1005.0	-4	NW	2	c/r	46	92	7	5	2	–	4-6	10	2500
7	Holyhead	26	1004.4	0	–	0	roro	47	97	6	6	2	–	7-8	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1007.5	-18	E'N	3	c	42	97	6	9	–	–	9+	9+	5700
	Catterick	175														
	Tynemouth	108	1010.5	-12	E	3	o/r	42	92	7	5	–	–	10	10	1500
11	St Abbs Head	280	1010.7	-12	SE	4	c	40	95	7	3	2	–	4-6	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1006.0	-4	SE	4	c	46	92	7	5	1	–	7-8	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1009.7	-10	E	3	h	44	85	7	1	–	–	Tr	Tr	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013.3	-12	SSE	6	c	41	85	6	5	2	–	9	10	800
16	Lerwick	156	1016.9	-14	SE	4	c	41	85	8	5	3	–	4-6	7-8	1500
17	Blacksod Point	18	1001.1	-2	W	5	c	43	97	7	9	–	–	10	10	800
18	Malin Head	84	1004.1	-4	ESE	4	c/pr	47	75	6	8	–	–	9	9	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1004.1	0	SSW	3	bc	42	92	8	8	–	–	2-3	2-3	1500
	Roches Point	22														

OBSERVATIONS at 7 hr. G.M.T. 2nd April — 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 1st Hrs. (36)
London (Kew)	1002.7	-4	E	2	roro	48	92	7	5	–	–	10	10	1500	1	*	57	47	45	0.2	11	0.0
Croydon	1003.2	-6	SSE	2	c	48	92	7	5	–	–	9+	9+	2500	1	*	57	46	44	0.3	5	0.0
S. Farnborough	1002.4	-2	–	0	dd	46	97	5	–	2	–	10	10	450	1	*	56	45	43	4	5	0.0
Boscombe Down	1002.6	0	NNW	2	dd	46	97	4	5	–	–	10	10	<150	1	*	61	45	45	Tr	3	4.6
Calshot (Sthmtn.)	1003.2	0	WSW	2	of	47	97	3	–	2	–	10	10	450	1	2	51	44	44	Tr	4	2.3
Lympne	1004.6	-2	SE'E	2	c	45	97	6	5	2	–	7-8	9+	800	1	§2	57	45	44	1	4	1.2
Manston	1003.6	-2	SSE	2	c/pr	46	97	5	8	7	–	7-8	9	5700	1	*	52	45	44	0.1	1	2.8
Shoeburyness	1003.7	-8	ESE	1	F	45	97	1	–	–	–	10	10	<150	1	*	50	45	43	0.3	2	2.0
Felixstowe	1003.8	+12	E	1	zo	45	92	5	5	7	–	4-6	10	5700	1	1	48	44	43	0.1	2	2.8
Gorleston	1004.4	-18	ESE	3	rr	45	85	5	6	–	–	10	10	1500	1	2	46	43	42	–	1	4.8
Mildenhall	1003.7	-6	E	2	c/r	46	97	5	5	2	–	9+	10	1500	1	*	58	45	44	Tr	2	1.7
Cranwell	1004.4	-10	NE'E	2	roro	44	92	5	5	–	–	10	10	5700	1	*	57	42	41	–	1	5.3
Birmingham	1003.3	-6	NE	2	o/r	44	97	5	5	–	–	10	10	800	1	*	58	44	42	0.3	5	3.7
Upper Heyford	1002.9	-4	–	0	rf	45	97	3	–	–	–	10	10	<150	1	*	58	44	43	0.6	7	*
Ross-on-Wye	1002.9	-6	E	1	df	46	97	3	5	–	–	10	10	450	1	*	58	46	45	–	3	4.0
Hartland Point	1004.5	+2	NW	2	c	45	92	8	5	2	–	7-8	9	1500	1	2	56	44	42	–	3	5.9
Bristol	1005.1	-4	WSW	3	roro	46	97	6	6	7	–	4-6	10	450	1	*	61	46	45	Tr	3	4.7
Portland Bill	1005.1	+4	W	3	c	46	92	7	5	–	–	10	10	1500	1	3	50	44	*	–	–	*
Plymouth	1005.4	+4	W'N	3	pr	45	85	8	9	7	–	2-3	9+	1500	1	1	58	44	42	–	1	7.9
The Lizard	1005.9	0	W	3	bc	45	85	8	8	–	–	2-3	2-3	1500	1	1	51	43	*	–	0.4	1.2
Scilly (St. Mary's)	1006.2	+2	W	3	bc	44	92	8	2	6	5	2-3	4-6	2500	1	2	51	43	*	2	1	1.0
Guernsey	1005.2	+6	WNW	3	o/r	45	92	7	5	–	–	10	10	2500	1	2	60	44	41	–	1	11.2
Pembroke	1004.6	0	NW	2	c	45	85	7	8	6	–	4-6	7-8	1500	1	2	50	44	*	–	0.5	3.1
Holyhead	1002.9	-2	–	0	roro	46	97	5	6	7	–	4-6	10	450	1	0	62	45	42	–	9	9.3
Chester (Sealand)	1003.9	-10	ENE	1	rr	43	92	4	–	2	–	10	10	800	1	*	57	43	42	2	4	3.7
Manchester	1003.7	-16	ENE	3	zo	44	85	6	5	7	–	7-8	10	1500	1		61	42	41	0.5	6	6.3
Spurn Head	1004.9	-10	E'S	4	roro	43	97	6	5	–	–	10	10	1500	1	2	46	42	*	–	Tr	2.0
Catterick	1006.2	-12	N'E	3	m	42	97	4	5	–	–	10	10	220	1	*	55	37	31	Tr	–	3.1
Tynemouth	1007.7	-10	E	3	o	43	92	6	5	–	–	10	10	1500	1	2	44	41	40	0.1	0.3	0.0
St Abbs Head	1008.6	-4	ESE	4	c	41	92	7	5	2	–	4-6	10	1500	0	3	43	39	*	0.3	–	*
Leuchars	1009.2	-8	E	3	zo	42	92	6	5	–	–	10	10	1500	1	*	43	40	39	Tr	0.1	0.0
Renfrew (Abbots I.)	1008.1	-4	E	4	zo	41	85	6	5	3	–	7-8	10	2500	0	*	48	39	37	–	–	2.1
Eskdalemuir	1007.2	-6	N'E	3	o	38	92	6	5	–	–	10	10	450	1	*	50	36	34	–	–	0.7
Point of Ayre	1004.4	-4	E'N	2	rr	44	97	6	8	2	–	7-8	10	1500	1	2	51	43	*	–	1	9.3
Tiree	1003.9	-6	ESE	4	c	45	75	7	5	–	–	9+	9+	2500	0	3	52	44	42	–	0.3	7.8
Stornoway	1007.9	-12	ESE	5	c	44	85	6	5	–	9	1	7-8	4000	0	3	52	43	*	–	–	11.2
Dalwhinnie	1009.0	-8	SE	2	c	36	85	7	4	4	7	1	10	2500	0	*	44	34	29	0.6	–	2.2
Aberdeen	1010.6	-12	ESE	2	c	42	85	6	6	2	–	9+	10	1500	1	2	42	40	39	Tr	–	0.0
Wick	1010.9	-8	SSE	5	c	41	75	7	5	2	–	9	10	1500	1	3	43	40	*	0.2	–	*
Lerwick	1014.1	-10	ESE	3	c	40	85	8	5	7	–	7-8	10	800	0	*	46	39	*	–	–	11.4
Blacksod Point	1001.5	0	E	2	bc	43	92	8	2	–	–	2-3	2-3	2500	1	3	51	41	*	Tr	5	*
Malin Head	1003.0	0	ESE	4	zo	45	92	6	6	–	–	7-8	7-8	2500	0	2	51	44	*	–	1	7.8
Aldergrove	1003.8	0	SSE	3	m	44	97	4	5	–	–	10	10	450	1	*	53	43	42	–	5	2.4
Birr Castle	1003.5	+2	S	1	bc	37	97	8	1	3	–				1	*	50	36	28	–	Tr	0.0
Valentia Obsy. †	1002.3	-10	SSE	4	b	42	85	8	1	–	–	1	1	2500	1	2	50	37	30	9	0.3	0.0
Roches Point	1004.2	-4	NNE	2	b	37	97	8	5	–	–	1	1	2500	1	2	48	35	*	7	0.6	*

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	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)
		24 hrs. ended 9h.											
Kew	18	cfcm	cscmc	romrRc	57	47	45	0.2	11	0.0	•	•	6
Croydon	217	ofecro	croroz	rorrirc	57	46	44	0.3	5	0.0	•	•	6
Greenwich (Royal Observatory)	149	bfc⊕cm	croc	crorcrr	56	46	42	0.3	5	0.0	74	94	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St James' Park)	27	•	•	•	57	47	45		7	0.0	73	91	•
Regents Pk. (Botanic Gardens)‡	166	•	•	•	57	46	46	0.4	7	0.0	75	93	•
Camden Square	110	o	c	•	57	43	44	0.3	7	•	•	93	•
Kensington	80	bcf	c	•	57	48	45	0.4	3	0.0	At 18h. 73	92	•
Hampstead Observatory	450	or	or	o	55	45	43	0.6	7	0.0	•	97	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington	1.3	14-15h 1st	<0.3	4-5h 2nd
Kew Observatory	0.8	16h 1st	0.1	7h 2nd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. (1st April) Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. (2nd April) 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	—	0	c/r	55	1007.7	SSW	3	bc	46	64	46	Tr	0.4
Brussels	1009.4	E	3	c	59	1006.0	S	4	c	50	66	48	—	1
Berlin	1018.2	ENE	3	b	43	1015.6	E	4	bc	34	48	30	—	—
Zürich	1011.8	SE	1	bc	55	1011.6	SE	1	c	41	61	37	—	—
Rome	1013.2	S	1	c	57	1011.1	ENE	3	bc	48	•	•	—	—

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, 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 3rd April, 1939.
No. 28256

OBSERVATIONS at 13h. G.M.T. 2nd 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)	°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)...	1002.6	+2	SW	3	zo	50	85	6	5	-	-	10	10	1500
	Croydon	1003.0	+2	WSW	4	zo	50	85	6	5	-	-	9+	9+	1500
	S. Farnborough	1002.8	+4	WSW	4	c	51	75	7	5	-	-	9+	9+	1500
	Boscombe Down	1003.5	+4	W'S	4	c	46	85	8	5	2	-	7-8	10	1500
	Calshot (Soton.)	1003.8	+4	SSW	4	c	51	75	8	8	-	-	10	10	1500
	Lympne ...	1004.7	+2	SW'S	4	m	48	97	4	5	-	-	10	10	220
	Manston ...	1002.8	-6	S'W	3	zo	52	85	6	5	-	-	9+	9+	800
2	Shoeburyness ...	1002.9	-2	SSW	3	c/r	52	85	8	8	4	-	9+	10	1500
	Felixstowe ...	1002.7	-10	S'E	4	c/f	48	92	5	5	3	-	4-6	7-8	4000
	Gorleston ...	1002.9	-10	SSE	4	bc	47	92	6	8	-	-	2-3	2-3	2500
	Mildenhall ...	1001.3	-10	SSE	3	c	57	75	7	7	3	1	4-6	7-8	2500
	Cranwell ...	1002.3	-14	E	1	m/d	46	97	4	-	2	-	10	10	450
3	Birmingham ...	1001.9	-2	SW	1	f	45	97	2	-	-	-	10	10	<150
	Upper Heyford	1002.2	-2	W	1	m/d	48	97	4	5	-	-	10	10	450
4	Ross-on-Wye ...	1002.7	0	W'S	2	c	46	85	8	8	-	-	10	10	2500
5	Hartland Point	1004.3	-4	NW	3	bc	47	92	8	7	6	-	4-6	4-6	1500
	Bristol	1003.3	+2	W	4	c	47	75	7	7	7	-	7-8	10	1500
	Portland Bill ...	1004.5	+8	W	3	c	47	85	8	2	-	-	9	9	2500
	Plymouth ...	1005.2	-2	SW	4	bc	50	75	8	8	-	5	2-3	2-3	2500
	The Lizard ...	1005.0	-6	SW'S	3	bc	53	75	8	8	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	1004.6	-4	SSW	4	bc	52	85	9	2	4	-	2-3	2-3	2500
	Guernsey ...	1006.2	-2	W	3	bc	51	65	9	2	-	-	4-6	4-6	2500
6	Pembroke ...	1004.0	-4	W	2	bc	48	75	9	7	7	3	2-3	4-6	2500
7	Holyhead ...	1001.9	-6	W	2	c/r	46	97	6	6	7	-	4-6	10	1500
	Chester (Sealand)	1002.2	-12	WNW	2	m	46	92	4	-	2	-	10	10	800
8	Manchester ...	1001.7	-14	E'N	4	rf	48	85	3	5	7	-	9	10	800
10	Spurn Head ...	1002.5	-16	NE'E	2	roro	44	97	5	5	-	-	10	10	800
	Catterick ...	1003.1	-20	NNE	4	m	48	85	4	5	-	-	9+	9+	800
	Tynemouth ...	1005.4	-10	E	3	o	42	85	6	5	-	-	10	10	1500
11	St. Abbs Head...	1006.6	-8	ESE	4	c	42	92	7	3	2	-	4-6	10	1500
	Leuchars ...	1006.9	-14	E	3	zo	44	85	6	5	1	-	7-8	10	800
12	Renfrew (AbbotsI.)	1005.4	-16	E	4	zo	44	85	6	5	2	-	7-8	10	800
	Eskdalemuir ...	1003.6	-18	NE'E	4	c	50	65	7	5	-	-	7-8	7-8	1500
	Point of Ayre ...	1002.5	-6	ESE	2	roro	45	97	6	5	2	-	7-8	10	1500
13A	Tiree	1003.0	-4	ESE	4	c	47	85	7	5	1	-	4-6	9+	1500
13B	Stornoway ...	1005.7	-8	ESE	4	c	49	65	7	1	9	7	4-6	7-8	4000
15	Dalwhinnie ...	1005.9	-16	S	5	c	42	85	6	4	7	3	4-6	10	2500
	Aberdeen ...	1008.3	-18	ESE	3	c	44	75	6	9	-	-	9+	9+	1500
	Wick	1008.9	-10	SSE	5	c	43	75	8	5	7	-	7-8	9+	1500
16	Lerwick... ...	1012.1	-8	SE'E	3	c	40	75	8	5	7	-	7-8	10	1500
17	Blacksod Point...	999.8	-18	E'S	3	bc	50	92	9	2	-	-	2-3	2-3	2500
18	Malin Head ...	1001.7	-6	ESE	2	roro	45	92	6	9	-	-	9+	9+	2500
	Aldergrove ...	1002.1	-14	SE'S	3	dodo	44	97	4	6	-	-	10	10	800
19	Birr Castle ...	1001.4	-14	S	1	bc	54	55	8	1	-	-	4-6	4-6	2500
20	Valentia Obsy.†	998.4	-26	SSE	5	c	52	65	8	8	-	6	4-6	9	2500
	Roches Point ...	1001.6	-12	S	3	bc	51	85	9	2	-	-	2-3	2-3	2500

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

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)	1003.0	+6	WSW	3	zo	49	75	6	5	-	-	10	10	1500	1	*
Croydon	1003.0	+4	W'S	3	c	49	75	6	5	7	-	9	9+	4000	1	*
S. Farnborough	1003.1	+2	SW'S	3	c	49	75	7	5	3	-	9	9+	2500	1	*
Boscombe Down	1002.7	0	SW'S	3	c	46	92	8	8	7	-	4-6	7-8	1500	1	*
Calshot (Soton.)	1003.8	-2	SW'S	4	bc/pr	48	75	8	8	4	1	4-6	4-6	2500	1	2
Lympne	1004.7	+6	SW	3	c	45	92	6	5	7	-	2-3	9+	800	1	§3
Manston	1003.0	+4	SW'S	4	c	48	85	6	5	7	-	2-3	9+	1500	1	*
Shoeburyness	1002.9	0	WSW	3	c	50	75	7	2	4	8	2-3	9+	1500	1	*
Felixstowe	1002.1	-2	W	3	m	51	75	4	5	-	-	10	10	800	0	1
Gorleston	1001.7	-6	SW'S	2	c/pr	50	92	5	6	-	-	10	10	2500	1	2
Mildenhall	1000.9	+4	SW	4	c	49	92	6	5	2	-	9+	10	1500	1	*
Cranwell	1000.6	-2	-	0	df	46	97	3	-	2	-	10	10	450	1	*
Birmingham	1001.8	+2	WSW	2	c	45	85	6	6	2	-	4-6	10	1500	1	*
Upper Heyford	1002.6	+4	WSW	3	c	45	85	7	5	7	-	4-6	9+	2500	1	*
Ross-on-Wye	1002.2	-4	SW	2	c	47	75	8	5	-	1	9	9	2500	1	*
Hartland Point	1001.7	-24	W	4	bc	47	92	8	8	-	3	2-3	4-6	1500	0	3
Bristol	1003.0	-2	W	3	bc	48	65	8	7	3	1	1	2-3	2500	1	*
Portland Bill	1003.6	-4	WSW	3	bc	47	85	8	5	-	-	4-6	4-6	2500	1	3
Plymouth	1003.3	-6	SSW	3	bc	49	85	9	2	-	5	2-3	2-3	2500	1	3
The Lizard	1002.0	-18	S'E	4	bc	48	75	8	8	6	-	4-6	4-6	2500	1	3
Scilly (St.Mary's)	1000.3	-26	S	5	c	49	85	8	8	6	2	2-3	7-8	2500	1	2
Guernsey	1004.6	-8	WSW	1	bc	50	65	9	8	-	-	4-6	4-6	2500	0	2
Pembroke	1002.7	-20	S'W	2	bc	47	85	9	7	4	1	2-3	4-6	2500	1	2
Holyhead	1000.4	-6	S	3	c	45	85	7	5	4	-	7-8	9	2500	1	2
Chester (Sealand)	1000.8	-4	W	2	roro	45	92	5	6	2	-	9	10	800	1	*
Manchester	1000.4	-4	NE	1	rf	45	97	2	6	2	-	9+	10	800	1	*
Spurn Head	1000.5	-8	E'N	1	F+	42	97	1	-	-	-	10	10	<150	1	1
Catterick	1001.4	-10	N'E	3	dodo	41	97	4	5	-	-	10	10	800	1	*
Tynemouth	1001.9	-14	NE	3	o	41	92	6	5	-	-	10	10	1500	1	2
St. Abbs Head	1003.7	-10	NNE	3	c	41	85	7	3	2	-	7-8	10	1500	0	2
Leuchars	1004.3	-10	E	3	c	43	85	7	5	-	-	9+	9+	1500	1	*
Renfrew (AbbotsI.)	1002.9	-8	E'N	4	z	43	85	6	5	3	-	4-6	9	1500	0	*
Eskdalemuir	1002.0	-8	N'E	3	c	41	85	6	5	-	-	9+	9+	800	1	*
Point of Ayre	1000.4	-12	ESE	1	roro	46	97	6	8	2	-	9	10	1500	1	2
Tiree	1000.4	-14	E	2	ido	45	97	6	5	-	-	10	10	1500	1	2
Stornoway	1003.9	-10	ENE	4	c	47	75	7	1	7	9	4-6	7-8	4000	0	2
Dalwhinnie	1004.6	-14	S	5	c	41	75	7	4	4	8	2-3	9+	2500	0	*
Aberdeen	1005.6	-10	E'S	2	c	42	85	6	9	-	-	9+	9+	1500	1	2
Wick	1006.4	-8	SSE	5	c	42	75	7	5	7	-	7-8	9+	1500	1	3
Lerwick	1009.9	-8	SE'E	3	c	40	75	8	5	7	-	7-8	10	1500	0	*
Blacksod Point	995.6	-22	ESE	4	bc	51	75	9	2	-	4	2-3	4-6	2500	0	3
Malin Head	998.3	-8	SSE	3	zo	45	92	6	6	2	-	4-6	9+	2500	0	2
Aldergrove	999.4	-16	SSE	3	zo	45	92	5	6	2	-	9+	10	800	1	*
Birr Castle	998.0	-20	S	2	bc	50	65	8	4	-	-	4-6	4-6	2500	1	*
Valentia Obsy.†	992.4	-32	SE'S	6	c	49	65	8	5	2	-	7-8	10	2500	1	3
Roches Point	996.9	-32	SSE	5	c	48	92	8	6	7	5	4-6	9	1500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 2nd (37)	13h.—18h. 2nd (38)	18h. 2nd to 1h. 3rd (39)	1h.—7h. 3rd (40)
London (Kew)	crodomom	cmocz	cbcbmo	bbcxcmo
Croydon	rodcmo	cmopro	bczmobw	cfbwmo
S. Farnborough	oddodoc	c	cbcb	bfecdomo
Boscombe Down	cdroroc	cjprc	cbcb	bbccroro
Calshot (Soton.)	cmoc	cpro	cbbc	bcrrroro
Lympne	cmoFrom	omcmo	cbomow	bcmow
Manston	ofdc	cmo	cmocw	cbcw
Shoeburyness	fciroc	cbcc	cbc	bcx
Felixstowe	crmof	cirompm	omcmo	cmo,bw
Gorleston	orrfmbc	bcoftepr	oczo	czo
Mildenhall	cmoc	c,irocmo	cmbcmo	bmo
Cranwell	croirmdf	oddodf	odffc	cb
Birmingham	ofdd	firoo	crobc	bcx
Upper Heyford	orrfddm	cddomc	cbcb	bmobcfcf
Ross-on-Wye	dfrofomc	c	cbbcb	bbcopo
Hartland Point	cbc	bc	bcc	idroroc
Bristol	qroroU	cbcyb	bbc	bccroro
Portland Bill	c	cbc	c	orrzo
Plymouth	cprbc	bcbbc	bcciro	coRRiro
The Lizard	bc	probc	cprrr	rrprc
Scilly (St.Mary's)	bc	bcc	cror	croroc
Guernsey	ocpro	bcbbc	bcoiro	ororr
Pembroke	c.bc	bcv	c	icrrid
Holyhead	roromoc	romoc	c,bw	bwc
Chester (Sealand)	orrm	crrfm	crormo	cbmox
Manchester	crmroof	rrrorff	rrff	cbxfbm
Spurn Head	rrror	romf	Ffdd	ffmc
Catterick	omcm	omddo	omdodo	om
Tynemouth	oco	o	oiroff	oiroff
St. Abbs Head	c	c	Ffrr	frmoc
Leuchars	cmo	cmoc	ciromo	rorrmroc
Renfrew (AbbotsI.)	ciromo	cmo	cmido	cmido
Eskdalemuir	omobc	bccmo	coido	oidododo
Point of Ayre	rrro	roro	ddro	cw
Tiree	c	orodmo	oidoq	cbc
Stornoway	bvc	c	b	bcc
Dalwhinnie	c	c		bcc
Aberdeen	czo	c	czo	croc
Wick	c	c	c	c
Lerwick	c	c	c	c
Blacksod Point	bc	bc	drcq	proq
Malin Head	czrorc	cirozc	czoc	czoc
Aldergrove	rorddm	ddiroc	cmo	cmo
Birr Castle	bc	bc	bcc	ciro
Valentia Obsy.†	bbcc	c	crororr	crrc
Roches Point	bbc	bcc	crr	rrodd

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.*

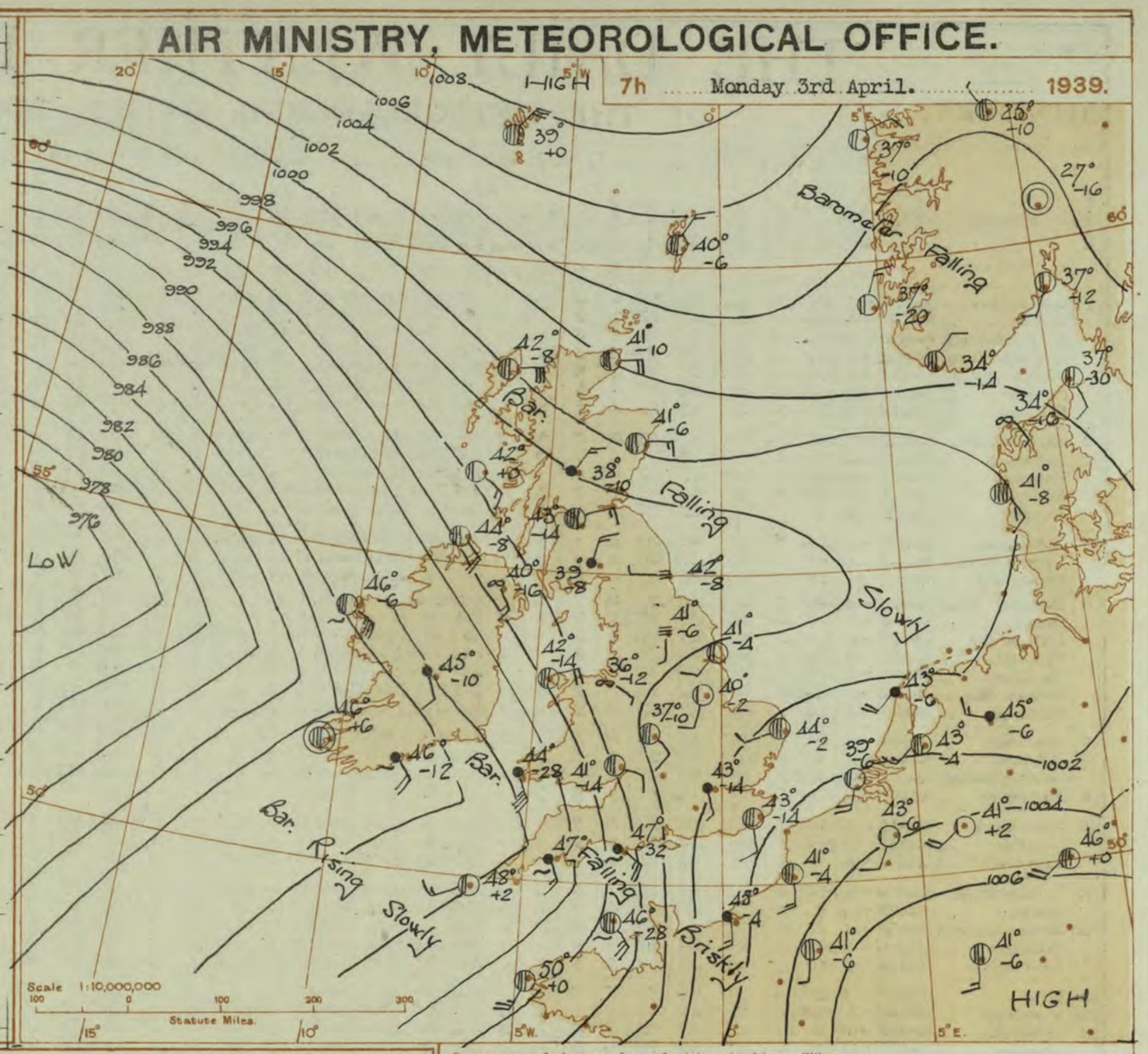
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 2nd April 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.	o	copho	45	53	3	Trace	0·1	0·2
	Bournemouth	c	cb	46	55	3	-	2·5	5·1
	Ventnor ...	oro	bcb	46	53	3	-	3·4	←
	Southsea ...	cbcb	cpbc	46	55	9	Trace	2·3	2·5
	Bognor Regis	cirbc	bccir	45	52	3	Trace	1·5	0·0
	Littlehampton	cmcbc	bcc	44	51	4	-	1·6	0·0
	Worthing ...	cbcb	bbcc	46	52	3	-	2·0	0·0
	Brighton ...	cbc	c	46	50	7	-	1·5	0·4
	Eastbourne† ...	moc	coc	45	51	3	-	0·5	0·2
	Hastings† ...	ofoc	oc	45	54	5	-	0·0	0·0
	Folkestone ...	foc	bcco	45	51	3	-	1·2	1·5
	Dover ...	ofro	ocro	46	49	4	Trace	0·2	1·9
	Deal	ocdo	co	45	52	2	Trace	1·7	2·3
	Ramsgate ...	c	c	44	53	1	-	1·8	2·0
	Margate ...	cbc	mc	45	55	1	-	3·4	3·0
2	Southend ...	cor	oc	45	54	2	Trace	1·7	1·0
	Clacton-on-Sea	rbcc	cpcm	44	53	3	Trace	1·7	2·1
	Dovercourt ...	rbcc	bcc	43	52	3	-	1·5	3·1
	Lowestoft ...	cmbc	bccf	44	51	4	-	1·5	4·7
	Skegness ...	orroc	cbcc	41	47	2	2	1·6	0·3
	Mablethorpe...	or	bcof	41	47	4	2	0·7	0·7
	Cleethorpes ...	orr	rirof	41	45	Trace	5	0·0	1·9
3	Leamington S.	od	roc	44	49	3	1	0·0	4·0
4	Cheltenham†	oirc	co	45	50	3	0·3	0·0	5·0
5	Bath	c	cpbc	43	53	2	Trace	0·9	5·5
	Weymouth ...	c	b	47	52	-	-	5·3	9·6
	Jersey ...	pcbc	bcb	45	54	0·2	-	8·9	11·0
	Torquay ...	bccbc	bjv	44	55	1	-	7·0	10·6
	Falmouth	b	b	42	55	4	-	9·1	0·6
	Penzance ...	bc	b	40	54	1	-	10·3	0·2
	St. Ives ...								
	Bude... ...	cbc	bc	45	51	Trace	-	7·9	7·8
	Ilfracombe ...	bcpo	bcb	44	50	1	-	6·3	9·2
6	Aberystwyth	rrprc	cbc	44	51	10	0·5	0·5	8·5
7	Llandudno ...	rr	oir	43	46	6	3	0·0	8·9
	Colwyn Bay...	mrro	morr	43	46	7	1	0·0	8·7
	Rhyl	rrom	oddm	44	47	9	3	0·0	6·4
8	Wallasey ...	mro	org	43	46	6	3	0·0	7·2
	Southport ...	omord	ormor	42	48	6	1	0·0	7·0
	Blackpool ...	cir	ciror	42	48	8	1	0·0	7·7
	Morecambe ...	c	cdr	43	51	5	1	0·0	6·7
9	Ilkley... ...	ogo	po	40	47	1	0·4	0·0	4·3
	Harrogate ...	ors	r	39	46	0·3	1	0·0	5·1
10	Berwick-on-T.	o	mso	40	44	-	-	0·2	0·0
11	Dunbar ...	cm	cm	39	45	Trace	-	1·0	0·0
12	Troon... ...	oc	coc	39	51	3	-	0·2	6·7
	Douglas ...	cirf	crof	43	44	4	5	0·0	7·9

† 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. 3rd April, 1939

Districts	Forecast
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 ...	Wind southerly, moderate or strong at times in the west; occasional rain or showers but some bright intervals; average temperature.
10 N.E. England 11 S.E. Scotland	Wind east to southeast, moderate; cloudy, occasional rain and fog; rather 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	Wind east to southeast, fresh or strong; occasional rain but some bright intervals; average temperature.
17 N. W. Ireland ↓ 18 N. E. Ireland ↓ 19 S. E. Ireland ↓ 20 S. W. Ireland	Wind southerly, fresh or strong; occasional rain but some bright intervals; average temperature.

GENERAL INFERENCE.

A complex low pressure area will remain stationary off the west of Ireland with associated troughs moving northeastwards across the British Isles. The weather will remain unsettled with occasional rain in all districts.

FURTHER OUTLOOK.

Unsettled but mild or rather mild.

Times of issue of Gale Warnings.

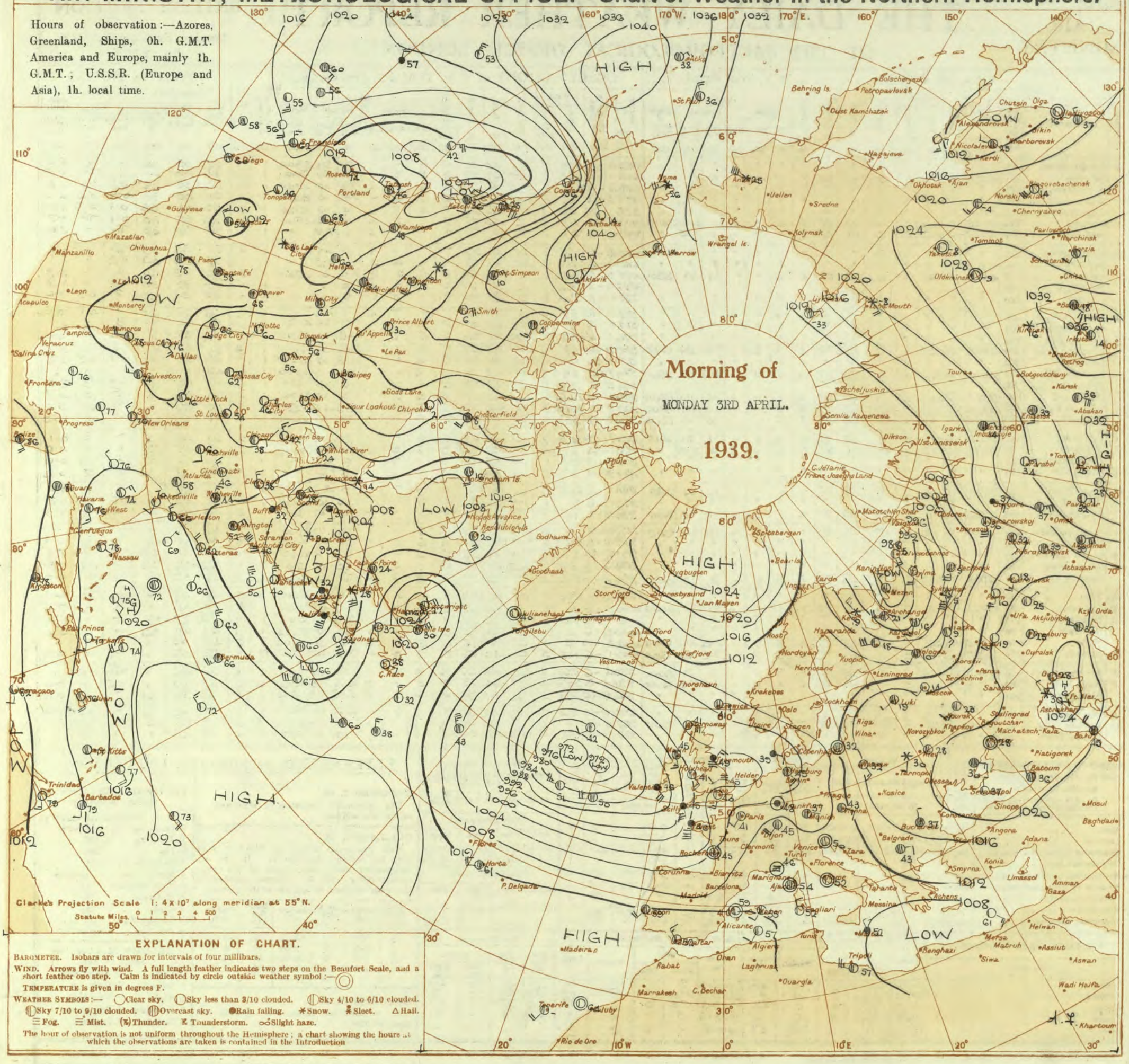
↓ South cone hoisted at 0900 on 2nd April in districts 13A, 13B, 17 and part of 18, and at 1430 in districts 6, 7, 8, 12, part of 19 and remainder of 18.

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. G.465/3670. Wt. 8109. D.48 35400 4/39.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 3rd April, 1939.
No. 28256

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

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	1002·8	-2	S'W	3	b	40	92	7	-	-	1	0	·1	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1004·8	-2	SW'W	2	bc	39	97	6	5	-	6	1	4-6	2500
	Manston	154	1002·9	-6	SW'S	3	c	41	85	7	-	7	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1001·5	-4	SW	3	c	44	92	6	5	-	-	10	10	2500
	Mildenhall	19														
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	996·8	-30	SSE	4	c	45	97	8	8	2	-	7-8	9+	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1000·8	-20	SSE	4	c	46	85	8	5	4	-	4-6	10	2500
	Plymouth	82														
	The Lizard	240	995·1	-24	SSE	6	rr	45	97	5	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	991·4	-42	SSE	6	r₀r₀	45	97	6	5	-	-	10	10	1500
	Guernsey	175	1000·4	-30	S	3	r₀r₀	46	92	7	5	-	-	10	10	2500
6	Pembroke	142	995·6	-24	SSE	5	c	46	85	8	8	2	-	7-8	9+	1500
7	Holyhead	26	997·8	-14	SE'E	3	bc	41	85	8	-	-	5	0	2-3	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	999·1	-8	W'S	2	F	45	97	1	-	-	-	10	10	<150
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	998·9	-12	NE	3	rf	43	97	3	-	2	-	10	10	800
11	St. Abbs Head	280	1000·0	-16	NE	2	rF	41	97	1	-	-	-	10	10	<150
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	998·6	-8	ESE	4	r₀r₀	43	97	6	8	2	-	9	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1002·8	-8	E	6	b	41	75	7	1	-	-	Tr	Tr	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1003·9	-14	SE	4	c	41	75	8	5	7	-	7-8	10	1500
16	Lerwick	156	1006·7	-16	E	3	c	41	75	8	5	7	-	7-8	10	1500
17	Blacksod Point	18	991·3	-26	ESE	7	c	45	92	8	9	-	-	9	9	800
18	Malin Head	84	996·4	-10	SSE	3	c	45	85	6	8	8	-	4-6	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	986·6	-6	SE	6	RR	46	97	7	8	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 3rd 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)	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)	999·3	-14	SSE	2	z₀	42	92	6	5	-	-	9+	9+	2500	1	*
Croydon	1000·1	-14	SSE	1	pr	43	97	7	9	8	2	4-6	9+	1500	1	*
S. Farnborough	998·5	-14	SE'S	3	d₀d	41	97	6	6	2	-	7-8	10	1500	1	*
Boscombe Down	996·9	-14	SE	4	r₀r₀	42	97	6	6	2	-	7-8	10	800	1	*
Calshot (Sthmtn.)	998·1	-18	SE	4	r₀r₀	45	92	7	6	2	-	10	10	1500	1	3
Lympne	1002·3	-14	S'E	2	c	43	97	7	1	7	6	Tr	7-8	1500	1	§2
Manston	1001·0	-8	S'E	2	c	41	97	6	-	-	6	0	7-8	-	1	*
Shoeburyness	1000·8	-8	SSE	3	bc	43	92	7	-	-	6	0	4-6	-	1	*
Felixstowe	1000·9	-4	SW'S	2	bc	42	92	7	-	4	3	0	2-3	-	1	1
Gorleston	1000·9	-2	SW'W	2	c	44	85	6	5	4	2	4-6	9	2500	1	2
Mildenhall	999·6	-4	SSE	2	z₀	35	97	6	-	4	4	0	1	-	1	*
Cranwell	999·1	-2	S'W	2	b	40	85	7	-	4	1	0	1	-	1	*
Birmingham	998·7	-10	SE	2	c	37	92	7	-	7	6	0	7-8	-	1	*
Upper Heyford	999·0	-12	E	2	cf	35	97	2	5	3	-	9·	9+	<150	1	*
Ross-on-Wye	996·1	-14	ESE	2	cpr	41	92	7	6	1	-	7-8	10	1500	1	*
Hartland Point	989·9	-30	SE	4	c/r	44	97	8	5	2	-	4-6	9+	1500	1	3
Bristol	995·3	-30	E'S	4	r₀r₀	44	92	8	6	1	-	4-6	10	1500	1	*
Portland Bill	994·7	-32	SE	5	rr	47	92	6	5	-	-	10	10	1500	1	4
Plymouth	991·5	*	SSE	3	ir₀	47	97	6	-	2	-	10	10	450	1	4
The Lizard	990·4	+2	SW'W	4	c	49	97	7	5	2	-	9	10	1500	1	3
Scilly (St. Mary's)	989·5	+2	SW'W	3	bc	48	97	6	4	4	1	2-3	4-6	2500	1	3
Guernsey	994·9	-28	SE'S	5	o/r	46	92	7	5	-	-	10	10	2500	1	4
Pembroke	990·7	-28	SE'S	7	id	44	97	6	5	-	-	10	10	800	1	3
Holyhead	994·0	-14	E'N	4	c	42	85	9	5	8	6	2-3	7-8	4000	1	2
Chester (Sealand)	996·9	-12	ESE	1	z₀	36	85	5	-	7	-	0	2-3	-	1	*
Manchester	997·9	-6	E'S	2	m	38	92	4	-	8	-	0	Tr	-	1	*
Spurn Head	998·1	-4	SW'S	2	bc	41	97	5	-	7	-	0	4-6	-	1	1
Catterick	996·9	-6	S	1	m	41	97	4	5	-	-	10	10	1500	1	*
Tynemouth	996·8	-8	W	1	m/f	42	97	4	5	-	-	10	10	1500	1	2
St. Abbs Head	997·8	-8	E	3	RR	40	97	5	5	-	-	10	10	800	1	2
Leuchars	998·5	-8	ENE	3	c/r	42	97	6	5	2	-	9+	10	450	1	*
Renfrew (Abbots I.)	997·6	-14	E'N	3	o/d	43	85	5	5	-	-	10	10	800	0	*
Eskdalemuir	996·5	-8	NNE	3	d₀d₀	39	92	6	-	2	-	10	10	220	1	*
Point of Ayre	996·0	-8	SSE	2	c	42	97	8	8	7	-	Tr	9	800	1	2
Tiree	996·2	0	ESE	3	bc	42	85	7	5	4	-	2-3	2-3	4000	0	3
Stornoway	1000·9	-8	E	6	c	42	85	8	5	7	-	4-6	10	2500	1	3
Dalwhinnie	*	-10	NE	3	ir₀	38	92	7	5	6	-	7-8	10	1500	1	*
Aberdeen	1000·3	-6	E	3	c	41	85	6	5	-	-	10	10	2500	1	1
Wick	1001·8	-10	E	4	c	41	75	8	5	7	8	7-8	9	1500	1	2
Lerwick	1005·1	-6	NE	3	c	40	65	8	5	3	-	7-8	10	1500	0	*
Blacksod Point	989·4	-6	ESE	7	cq	46	97	8	9	-	-	10	10	800	1	4
Malin Head	994·3	-8	SE'E	4	c	44	75	7	5	-	9	4-6	7-8	4000	0	2
Aldergrove	994·8	-16	SE'E	3	z₀	40	92	6	5	-	6	4-6	7-8	1500	1	*
Birr Castle	990·0	-10	SSE	2	ir₀	45	92	7	6	2	-	4-6	10	1500	1	*
Valentia Obsy. †	987·2	+6	-	0	c	46	92	8	5	-	-	9+	9+	2500	1	3
Roches Point	987·2	-12	SE	4	dd	46	97	5	5	-	-	10	10	220	1	4

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 2nd Hrs. (36)
London (Kew)	52	35	26	1	Tr	0·0
Croydon	54	38	34	1	Tr	0·7
S. Farnborough	53	36	32	0·5	0·1	1·0
Boscombe Down	51	33	30	0·5	0·6	0·6
Calshot (Sthmtn.)	53	41	38	0·1	0·6	1·7
Lympne	53	38	30	0·1	Tr	1·7
Manston	55	38	33	Tr	-	2·0
Shoeburyness	55	38	29	Tr	-	1·1
Felixstowe	52	39	34	0·2	-	1·1
Gorleston	50	42	40	3	-	2·3
Mildenhall	59	35	30	Tr	-	1·9
Cranwell	49	34	29	2	0·3	0·0
Birmingham	45	35	29	1	0·1	0·0
Upper Heyford	51	34	21	3	-	*
Ross-on-Wye	48	35	21	0·4	0·1	0·0
Hartland Point	51	42	40	-	1	8·8
Bristol	51	36	30	0·1	0·2	3·5
Portland Bill	48	44	*	-	3	*
Plymouth	51	45	43	0·3	8	8·6
The Lizard	54	44	*	Tr	9	10·7
Scilly (St. Mary's)	52	45	*	-	3	9·4
Guernsey	53	45	44	-	4	10·3
Pembroke	50	44	*	-	2	8·1
Holyhead	49	39	35	1	-	0·0
Chester (Sealand)	46	35	30	5	0·5	0·0
Manchester	48	35	26	3	2	0·0
Spurn Head	45	40	*	5	1	0·0
Catterick	*	40	40	Tr	0·3	0·5
Tynemouth	44	41	39	-	1	0·0
St. Abbs Head	43	39	*	-	4	*
Leuchars	44	41	40	-	3	0·1
Renfrew (Abbots I.)	47	41	39	Tr	Tr	0·1
Eskdalemuir	52	38	38	-	0·5	1·7
Point of Ayre	46	38	*	9	1	0·0
Tiree	47	39	36	1	Tr	0·1
Stornoway	50	41	*	-	-	7·6
Dalwhinnie	45	29	17	-	-	0·8
Aberdeen	44	40	39	-	0·2	0·1
Wick	44	40	*	-	-	*
Lerwick	42	39	*	-	-	0·0
Blacksod Point	52	44	*	Tr	0·4	*
Malin Head	48	40	*	0·6	-	0·0
Aldergrove	45	39	34	2	-	0·0
Birr Castle	56	43	35	-	0·2	9·9
Valentia Obsy. †	53	45	42	-	10	7·3
Roches Point	52	46	*	-	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.	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	cr₀ddm	cm₀ez₀	cbcxcm	52	35	26	1	Tr	0·0	·	·	6
Croydon	217	rd₀cm₀	cm₀pr₀	bcz₀mh	54	38	34	1	Tr	0·7	·	·	7
Greenwich (Royal Observatory)	149	cr₀cm₀	cr₀cm₀	cmbxc	54	35	27	Tr	-	0·1	69	81	7
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	0·0	·	·	·
Westminster (St. James' Park)	27	·	·	·	52	39	32	0·3		0·0	75	83	·
Regents Pk. (Botanic Gardens)‡	168	·	·	·	51	39	31	Tr	-	0·0	79	77	·
Camden Square	110	o	c	·	51	38	29	0·3	-	·	·	83	·
Kensington	80	c	c	·	53	37	26	0·4	-	0·0	At 18h. 73	83	·
Hampstead Observatory	450	od	o	bcod	49	38	31	Tr	Tr	0·0	·	87	·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	11–12h. 2nd.	<0·3	1–3hr. 3rd.

Kew Observatory. Max.	Time.	Min.	Time.
0·3	11hr. 2nd	<0·1	3hr. 3rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 2nd April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 3rd April 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	1006·5	WNW	3	ir₀	48	1004·3	S	1	z₀	41	59	41	2	Tr
Brussels	1004·7	SSW	2	o	50	1003·5	SSW	2	b	43	59	37	c	2
Berlin	1010·3	E'S	4	c	48	1003·6	SE	3	z₀	39	54	37	-	0·1
Zürich	1009·9	NW	4	c	18	1008·6	S	1	o	*	21	*	-	1
Rome	1010·2	N	2	bc	57	1010·0	-	o	z₀	48	·	·	-	-

EXPLANATION of FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 4th April, 1939.
No. 28257

OBSERVATIONS at 13h. G.M.T. 3rd 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)...	995.2	-20	SSE	4	0/pr	47	85	6	5	–	–	10	10	800
	Croydon	996.2	-30	SSE	4	id	46	92	7	6	7	–	9+	10	800
	S. Farnborough	994.7	-22	SE/S	3	id	45	92	6	5	2	–	7-8	10	800
	Boscombe Down	993.4	-18	SE	4	dodo	45	97	5	6	2	–	7-8	10	450
	Calshot (Soton.)	993.8	-18	SE/S	4	c/r	46	92	7	5	2	–	9+	10	1500
	Lympne ...	996.4	-28	SE/S	4	iro	45	85	7	5	7	–	7-8	10	1500
	Manston ...	997.2	-28	SSE	4	c	47	75	7	5	7	–	4-6	9+	2500
2	Shoeburyness ...	997.3	-24	S/E	4	pr	48	75	8	5	–	–	9+	9+	4000
	Felixstowe ...	996.2	-18	S	4	c	48	75	8	5	7	8	2-3	9	2500
	Gorleston ...	998.4	-20	S/E	5	bc	47	85	6	8	4	–	2-3	4-6	2500
	Mildenhall ...	996.2	-20	SSE	4	c	50	65	8	5	–	6	9	9+	2500
	Cranwell ...	995.8	-18	SE/S	3	c	49	75	7	5	–	–	10	10	2500
3	Birmingham ...	994.5	-12	SE	3	iro	45	85	7	6	–	–	10	10	800
	Upper Heyford	994.9	-18	SE	3	ido	45	85	7	5	–	–	10	10	800
4	Ross-on-Wye ...	992.4	-20	SE	3	ido	47	92	7	6	–	–	10	10	1500
5	Hartland Point	989.0	-6	SW	4	pr	51	92	7	8	–	8	9	9+	1500
	Bristol	992.3	-14	SE	3	ido	46	97	7	6	–	–	10	10	800
	Portland Bill ...	992.9	-10	SSE	4	o	47	92	7	5	–	–	10	10	1500
	Plymouth ...	990.5	-8	S	3	ido	50	97	5	6	2	–	7-8	10	<150
	The Lizard ...	989.2	-16	S	3	m	50	97	4	5	–	–	10	10	1500
	Scilly (St. Mary's)	986.3	-14	SSE	4	zo	54	92	6	5	1	6	2-3	9	1500
	Guernsey ...	992.4	-14	S	3	c	56	85	7	–	7	–	0	7-8	–
6	Pembroke ...	988.8	-6	SW/S	4	c	50	92	6	5	6	2	4-6	7-8	1500
7	Holyhead ...	989.8	-22	E/S	4	c/r	49	65	8	8	2	8	4-6	9+	4000
	Chester (Sealand)	992.9	-22	SE	4	zo	49	75	6	8	2	–	9	10	2500
8	Manchester ...	994.0	-18	SE/S	4	c	51	65	7	6	7	–	9+	10	2500
10	Spurn Head ...	996.2	-10	SE	3	c	47	75	6	8	–	–	7-8	7-8	2500
	Catterick ...	994.5	-18	S/E	3	zo	55	55	6	7	–	–	4-6	4-6	2500
	Tynemouth ...	996.1	-6	SE	2	c	45	85	6	5	–	–	9+	9+	2500
11	St. Abbs Head...	997.6	-4	NE	4	roro	39	97	7	3	2	–	7-8	10	1500
	Leuchars ...	998.1	-6	ENE	3	c	44	75	7	8	7	–	4-6	9	1500
12	Renfrew (Abbotsl.)	996.6	-8	E/N	5	iro	43	85	5	5	2	–	7-8	10	1500
	Eskdalemuir ...	995.3	-10	ENE	5	c/r	41	92	6	5	–	–	10	10	220
	Point of Ayre ...	993.1	-14	E	3	bc	48	85	6	–	–	6	0	2-3	–
13A	Tiree	995.0	-4	E	4	c	47	75	7	5	–	–	9+	9+	2500
13B	Stornoway ...	1000.1	-2	E	4	c	49	65	7	5	7	–	4-6	7-8	2500
15	Dalwhinnie ...	998.6	-8	NE	3	c	41	75	7	4	6	1	4-6	7-8	2500
	Aberdeen ...	999.9	-10	E	3	c	44	65	6	8	–	–	9	9	2500
	Wick	1001.6	-4	E	4	c	42	65	8	5	7	–	4-6	7-8	1500
16	Lerwick... ...	1004.2	-8	ENE	3	c/pr	40	85	8	8	7	–	7-8	9	1500
17	Blacksod Point...	989.1	-4	ESE	6	c	48	85	8	8	–	–	9	9	1500
18	Malin Head ...	993.0	-10	E	5	c	45	85	8	5	–	6	2-3	7-8	5700
	Aldergrove ...	991.8	-16	ESE	5	c	50	65	7	2	–	3	7-8	9	1500
19	Birr Castle ...	987.7	-12	ESE	2	iro	47	92	7	6	2	–	4-6	10	800
20	Valentia Obsy.†	986.3	-6	W/S	1	c	50	65	9	5	–	3	7-8	9+	2500
	Roches Point ...	985.9	-8	SW	3	c	51	97	8	3	–	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 3rd 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)	991.5	-22	SE	2	c/r	47	92	5	5	–	–	10	10	1500	1	*
Croydon	992.6	-22	SE	2	ido	47	97	6	6	2	–	9+	10	800	1	*
S. Farnborough	991.3	-20	SE	1	o	47	92	5	5	–	–	10	10	800	1	*
Boscombe Down	990.2	-18	ESE	3	zo	46	97	6	5	7	–	7-8	9+	800	1	*
Calshot (Soton.)	990.7	-12	SSE	4	rr	49	97	6	6	–	–	10	10	800	1	3
Lympne	994.5	-16	SE/S	3	F+	45	97	1	–	–	–	10	10	<150	1	§3
Manston	993.3	-20	SSE	3	roro	46	92	4	–	2	–	10	10	220	1	*
Shoeburyness	993.5	-22	SSE	2	c/r	46	97	6	5	–	–	10	10	1500	1	*
Felixstowe	994.2	-24	SSE	4	dd	45	97	5	5	2	–	4-6	10	1500	1	2
Gorleston	995.2	-16	SE	4	0/pr	44	92	6	5	–	–	10	10	2500	1	2
Mildenhall	993.3	-8	SE/E	3	iro	46	92	7	5	2	–	9+	10	1500	1	*
Cranwell	993.0	-14	SE/E	3	c	46	85	7	5	–	–	9	10	1500	1	*
Birmingham	991.4	-14	ESE	2	roro	44	97	5	6	–	–	10	10	800	1	*
Upper Heyford	991.8	-14	SE	2	zo	45	92	6	5	–	–	10	10	450	1	*
Ross-on-Wye	989.5	-12	SE	3	iro	47	92	6	6	–	–	10	10	800	1	*
Hartland Point	986.5	-16	SE	2	roro	50	97	7	6	2	–	7-8	10	800	1	2
Bristol	989.6	-14	SSE	2	c/r	50	92	7	5	7	–	7-8	9+	1500	1	*
Portland Bill	989.0	-20	SSE	3	o	48	92	7	5	–	–	10	10	1500	1	3
Plymouth	987.5	-22	S/E	2	iR	50	97	5	6	2	–	7-8	10	220	1	3
The Lizard	986.5	-10	SSW	3	pr	48	97	7	8	2	–	9+	10	1500	1	2
Scilly (St. Mary's)	984.1	-30	S/E	3	c/pr	50	97	6	8	7	4	2-3	7-8	1500	1	3
Guernsey	989.0	-20	S/W	3	ir	51	97	7	5	2	–	9	10	2500	1	3
Pembroke	986.4	-8	SE	3	c	48	92	6	8	2	–	7-8	9+	1500	1	2
Holyhead	987.6	-10	ENE	4	c	47	85	8	8	7	–	7-8	9+	2500	1	2
Chester (Sealand)	990.6	-10	ESE	3	roro	46	85	5	6	2	–	9	10	1500	1	*
Manchester	991.2	-8	ESE	3	roro	46	85	4	6	2	–	7-8	10	1500	1	*
Spurn Head	993.4	-14	SE/E	3	c	44	92	6	5	8	–	4-6	9	2500	0	2
Catterick	992.6	-8	SSE	2	c	49	75	7	5	–	–	9+	9+	4000	1	*
Tynemouth	994.1	-6	ENE	3	c	44	85	5	5	3	–	4-6	7-8	2500	1	2
St. Abbs Head	995.9	-6	NE	5	rr	39	97	5	3	–	–	10	10	800	2	4
Leuchars	996.7	-6	NE	4	c/pr	42	85	7	9	–	–	10	10	1500	1	*
Renfrew (Abbotsl.)	995.7	-4	ENE	4	dodo	40	92	6	5	–	–	10	10	1500	1	*
Eskdalemuir	993.8	-8	NE	5	o	38	97	5	5	–	–	10	10	220	1	*
Point of Ayre	990.8	-10	SE/E	3	roro	46	92	6	5	2	–	7-8	10	1500	1	2
Tiree	993.3	-2	E/N	3	c	46	75	8	5	–	–	7-8	7-8	4000	0	3
Stornoway	999.9	0	ENE	5	c	44	65	8	5	–	–	7-8	7-8	2500	0	3
Dalwhinnie	997.9	-2	NE	4	c	37	75	7	5	4	–	4-6	7-8	2500	0	*
Aberdeen	998.7	-6	ENE	4	c	41	65	7	7	–	–	10	10	1500	1	2
Wick	1000.0	-8	ENE	5	c/pr	41	75	8	5	7	8	4-6	9+	1500	1	2
Lerwick	1001.3	-10	ENE	4	c/pr	38	85	8	8	7	–	7-8	9+	800	1	*
Blacksod Point	987.8	-10	ESE	5	ir	47	97	8	6	–	–	10	10	450	1	4
Malin Head	991.2	-4	E	6	c	44	85	6	9	–	–	9	9	1500	0	3
Aldergrove	989.4	-10	SE/E	4	iro	46	85	5	6	2	–	9	10	1500	1	*
Birr Castle	984.2	-18	E/N	1	c/r	48	97	8	5	7	–	4-6	9	1500	1	*
Valentia Obsy.†	983.4	-14	NNW	2	c	50	65	9	7	–	3	1	7-8	2500	1	2
Roches Point	984.2	-6	SW	3	bc	50	92	8	2	–	5	2-3	4-6	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 3rd (37)	13h.—18h. 3rd (38)	18h. 3rd to 1h. 4th (39)	1h.—7h. 4th (40)
London (Kew)	cmoprcm	ciroccoc	crocroro	rorocbc
Croydon	cporodo	drododoido	id,moiroiR	rorriRbc
S. Farnborough	dorododoc	dodororo	ororroc	roRiroc
Boscombe Down	crorodod	cdodoirc	crororrc	crorocoiro
Calshot (Soton.)	crocirromoc	corr	crrmo	ciRiro
Lympne	ciro	cirofroF	FRrrro	orrRcmo
Manston	bcmoc	cobrom	orriR	oiRirmo
Shoeburyness	bcpro	cprororc	ciro	crrbcb
Felixstowe	bbcvc	oirooddm	oddido	oirorrc
Gorleston	cbc	bccpro	ororo	ororoffc
Mildenhall	bmobcc	cvciro	cirocmoidoom	rorodd rorom
Cranwell	bc	c	iroomo	omorrm
Birmingham	bcoiro	ororo	oroir	oRrf
Upper Heyford	cfmoiroid	cdocmo	cmoofro	crrroro
Ross-on-Wye	rorood	dodoro	rooido	ir
Hartland Point	crcp	pirrororc	roroiroir	irrr
Bristol	crocdo	cdorro	cRirro	cRrrobc
Portland Bill	c	opr	orr	rrc
Plymouth	oirocmoic	cidoirm	ciroiR	c
The Lizard	bccm	rrpr	crrc	crrpr
Scilly (St. Mary's)	bcczo	omcpo	criroc	cpo w
Guernsey	oidc	cPHR	circbc	bcoir
Pembroke	oidmoc	cmo	cmororoiro	cmoirddrr
Holyhead	croc	roromoc	bciroc	mororoc
Chester (Sealand)	bbcmox	czobromo	crorodomo	crrmo
Manchester	bmzoc	rorrmorom	crorommo	roprocmoro
Spurn Head	bcc	c	prowf	ffdd
Catterick	mbcymo	zobcc	mociro	rorroomo
Tynemouth	omc	c	c	co
St. Abbs Head	rorc	cdmro	crrmo	rrc
Leuchars	cmoc	cproc	ororoidoc	c
Renfrew (Abbotsl.)	moidoiro	cmoirodd	cmododo	cmoc
Eskdalemuir	dororoc	dodoo	omo	omoido
Point of Ayre	cbc	croro	rorr	croro
Tiree	c	c	c	cbc
Stornoway	c	c	cbc	bcc
Dalwhinnie	cir	c	•	bcb
Aberdeen	czo	czoc	czo	cpro
Wick	cbcc	cproc	phrpr	prcq
Lerwick	cpro	cprq	c	proph
Blacksod Point	iroc	ircq	irq	irocq
Malin Head	⊕cbcc	bcc	circ	ciroc
Aldergrove	bcmoc	ccmoiro	cmoiroc	c,dodomo
Birr Castle	ciro	ciro	ciroc	coid
Valentia Obsy.†	c	c	cbcw	bcc
Roches Point	dddrc	cbc	bccw	crr

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.*

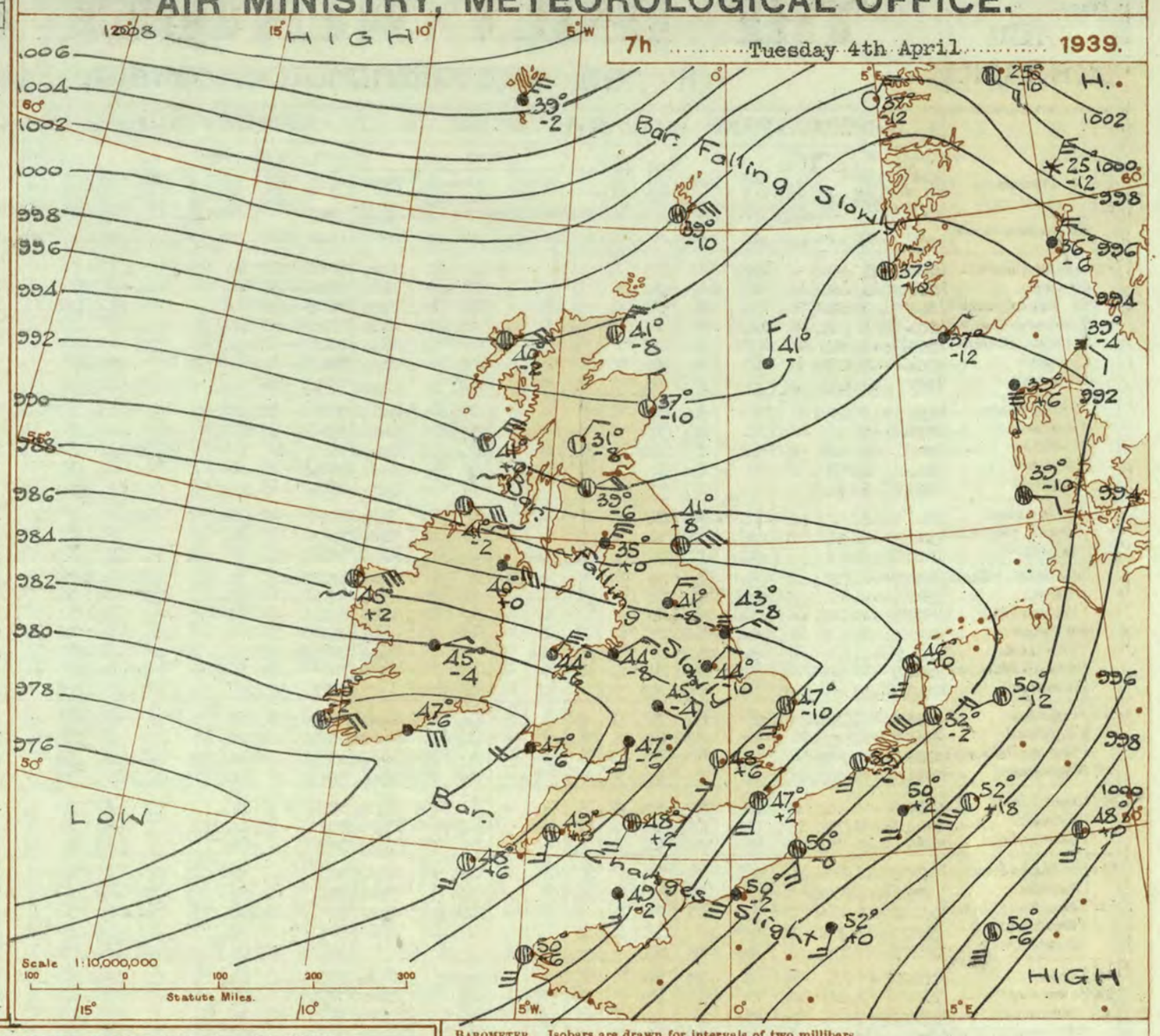
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS, for 3rd. April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 2nd to 9h. 3rd.	Temperature. (°F.) Max. 9h.—17h. 3rd.	Rainfall. (mm.) Night. 17h. 2nd to 9h. 3rd.	Rainfall. (mm.) Day. 9h.—17h. 3rd.	Sunshine. (Hrs.) Sunrise to 17h. 3rd.	Sunshine. (Hrs.) Sunrise to Sunset 2nd.
1	Tunbridge W.	ood	oro	33	46	0.5	1	0.0	0.1
	Bournemouth	roc	cpbc	41	51	5	0.5	0.2	3.6
	Ventnor ...	oro	omoz	42	49	2	1	0.0	4.5
	Southsea ...	or	oco	41	49	2	1	0.0	3.2
	Bognor Regis	roir	roc	41	48	1	2	0.0	1.7
	Littlehampton	cre	c	41	48	1	1	0.0	1.6
	Worthing ...	or	orc	42	48	1	2	0.0	2.0
	Brighton ...	der	rc	44	48	0.6	1	0.1	1.5
	Eastbourne† ...	ro	orp	42	47	0.2	1	0.0	0.5
	Hastings† ...	orpo	odmo	42	46	0.5	1	0.0	0.3
	Folkestone ...	bcere	corom	39	49	—	1	2.2	1.2
	Dover ...	bcc	cor	42	49	—	0.5	2.4	0.2
	Deal	bcco	od.d	41	49	—	0.5	1.9	1.7
	Ramsgate ...	c	od	40	49	—	Trace	3.1	1.8
	Margate ...	bc	cd.	41	51	—	0.3	4.0	3.2
2	Southend ...	cor	or	38	50	Trace	1	1.6	1.7
	Clacton-on-Sea	wbcc	cp.co	40	49	0.2	Trace	4.5	1.7
	Dovercourt ...	bcv	doc	38	50	—	Trace	4.3	1.5
	Lowestoft ...	bm.b	bccd.	42	49	0.3	Trace	7.8	1.5
	Skegness ...	b	cocbc	38	51	2	—	5.0	1.6
	Mablethorpe...	b	c	37	54	1	—	6.0	0.7
	Cleethorpes ...	bbc	bcc	39	55	6	—	6.1	0.0
3	Leamington S.	co	or	36	49	—	Trace	0.2	0.0
4	Cheltenham†	op.	oor	34	48	Trace	1	0.0	0.0
5	Bath	rcd	der	34	51	2	0.5	0.0	2.4
	Weymouth ...	c	cp.c	45	52	7	0.2	0.1	6.5
	Jersey ...	rcbcc	cpc	46	55	4	0.4	2.7	10.0
	Torquay ...	oidpc	cp.ojp	44	52	9	1	0.3	7.9
	Falmouth	c	corgr	45	56	10	2	1.1	9.1
	Penzance ...	pbcc	cp.	46	54	7	Trace	2.3	10.4
	St. Ives ...								
	Bude... ...	rcbcc	cr	44	56	1	1	1.5	8.4
	Ilfracombe ...	wrco	ocpco	44	56	3	4	2.3	7.8
6	Aberystwyth	c	bcpr	39	53	—	0.5	1.0	0.6
7	Llandudno ...	c	cdir	36	50	0.1	0.4	2.5	0.0
	Colwyn Bay...	bcc	ccpc	34	50	0.3	0.5	3.0	0.0
	Rhyl	bcc	corr	34	50	0.4	3	4.7	0.0
8	Wallasey ...	bcc	corr	37	50	2	2	5.0	0.0
	Southport ...	bzbcz	czorm	34	53	3	0.6	4.2	0.0
	Blackpool ...	bbc	cp.c	37	53	2	Trace	5.2	0.0
	Morecambe ...	bc	bcc	40	54	2	Trace	5.2	0.0
9	Ilkley... ...	bc	bc	40	54	—	—	6.1	0.0
	Harrogate ...	bcb	bcc	40	53	0.1	0.0	4.9	0.0
10	Berwick-on-T.	orm.	rd.o	41	43	3	1	0.0	0.2
11	Dunbar ...	cm.r	cm.b	39	42	3	0.5	0.0	1.0
12	Troon... ...	opoco	oco	37	45	—	Trace	0.2	0.2
	Douglas ...	cd.F	bccR	40	49	1	1	6.0	0.0

† 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. 4th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind southerly, moderate; showery, some bright intervals; mild.
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.	Wind easterly, moderate or fresh; cloudy, occasional rain with fog or mist locally; rather cold.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind easterly, fresh; occasional rain locally but bright periods; rather cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W Ireland	As 7 - 12.

GENERAL INFERENCE.

A depression off the west of Ireland is moving southeastwards and a trough of low pressure across England is almost stationary. There will be rain in most districts but in the north of Scotland and in the south of England there will be some bright intervals. In the North it will be rather cold and in the South rather mild.

FURTHER OUTLOOK.

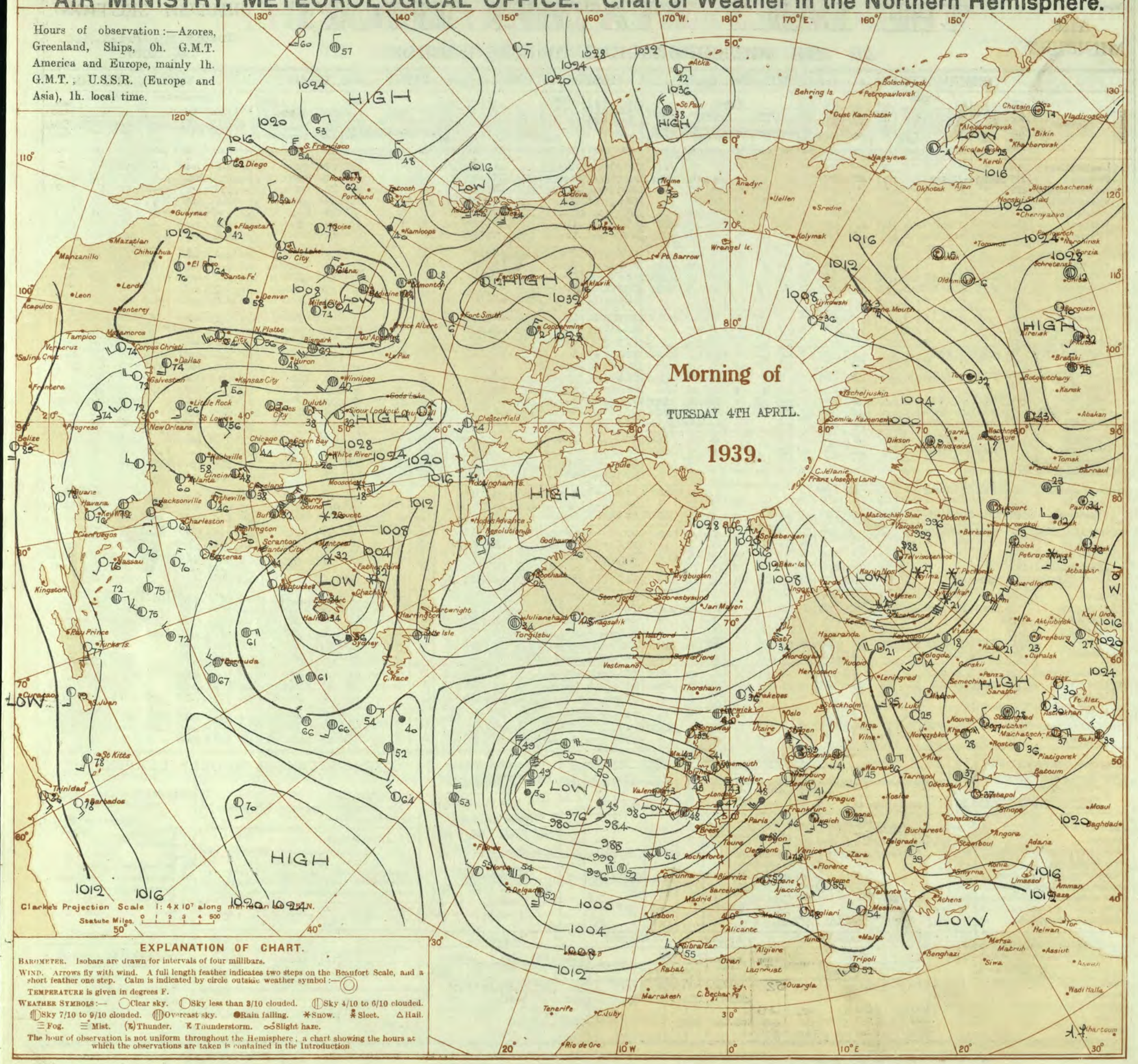
Generally unsettled; rather cold in the North probably mild in the South.

Forecasts issued at 1030 G.M.T

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

H.M.S.O. Press, Cornwall House S.E.1. G.485, 3670, m. 8109, 3526, 6, 39, 35400, 4/39.

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 4th April, 1939.
No. 28257

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

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	987.5	-22	SE'S	2	co	47	97	7	6	2	-	4-6	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	989.5	-18	S'W	4	c/f	47	97	5	6	-	-	9+	9+	<150
	Manston ...	154	988.2	-20	S'W	3	ro	48	97	6	-	2	-	10	10	450
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	989.0	-26	SE	3	co	44	92	5	6	-	-	10	10	1500
	Mildenhall ...	19	987.4	-26	E'S	2	2	47	97	5	5	-	-	10	10	450
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	981.5	-18	SSE	3	ir	48	92	7	6	2	-	7-8	10	800
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	985.0	-18	SW	3	rr	47	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	982.7	-10	SSW	4	c	48	97	7	8	6	-	7-8	9+	2500
	Scilly (St. Mary's)	163	981.0	0	SW'W	4	c	48	97	7	8	2	-	4-6	10	1500
	Guernsey ...	175	986.2	-6	SSW	3	bc	49	92	7	2	-	-	4-6	4-6	2500
6	Pembroke ...	142	981.8	-20	SE'S	4	c/r	47	92	6	8	-	-	9	9	1500
7	Holyhead ...	26	984.0	-18	ENE	5	c	45	92	6	9	1	-	4-6	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	988.6	-24	ESE	3	f+	43	97	2	-	-	-	10	10	<150
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	991.4	-14	ENE	5	c	41	97	7	5	-	-	9+	9+	1500
11	St. Abbs Head	280	993.9	-10	NE	6	ro	38	92	6	3	2	-	4-6	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	988.0	-12	E	4	rr	43	97	6	-	2	-	10	10	800
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	999.8	-4	NE	4	bc	39	75	8	2	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	997.9	-16	NE	4	pr	41	65	8	8	7	-	7-8	9	1500
16	Lerwick ...	156	998.8	-14	ENE	5	c	40	66	8	8	3	-	4-6	9	800
17	Blacksod Point	18	985.2	0	ESE	6	c	46	97	8	8	-	-	10	10	800
18	Malin Head ..	84	989.4	-4	E	6	c/r	43	85	6	6	1	-	7-8	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	980.9	-4	ESE	3	b	43	97	8	5	-	1	Tr	1	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 4th 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)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground (29)	Sea 0–9 (30)
London (Kew)	985.9	+6	SSW	3	c	48	92	6	5	-	-	7-8	7-8	2500	1	*
Croydon	986.7	+6	SSW	3	bc	48	92	8	5	-	-	4-6	4-6	1500	1	*
S. Farnborough	985.8	+4	SSW	3	c/r	48	92	7	7	-	-	9	9	1500	1	*
Boscombe Down	984.6	+4	SSW	4	ir	47	97	6	5	2	-	9	9+	800	1	*
Calshot (Sthmtn.)	985.9	+2	S'W	5	zr	48	92	6	3	3	-	7-8	9+	1500	1	3
Lympne	988.7	+2	SSW	4	c	47	97	6	5	3	-	9	9+	1500	1	3
Manston	987.1	+4	SSW	4	bc	49	85	6	8	6	-	2-3	2-3	2500	1	*
Shoeburyness	987.0	+4	S'W	3	bc	49	85	7	5	-	-	2-3	2-3	1500	1	*
Felixstowe	986.4	+2	SSW	5	c	48	92	7	9	-	-	9	9	1500	1	4
Gorleston	986.0	-10	SSW	4	c/r	47	92	7	8	-	-	7-8	7-8	2500	1	2
Mildenhall	984.8	0	S'W	3	c/r	45	92	7	5	7	-	9	9+	1500	1	*
Cranwell	984.6	-10	NE'E	2	rr	44	97	4	5	-	-	10	10	800	1	*
Birmingham	983.7	-4	SE	1	co	45	97	3	6	-	-	10	10	800	1	*
Upper Heyford	984.8	-2	S	3	c/r	46	97	7	6	3	-	7-8	9	800	1	*
Ross-on-Wye	983.0	-6	SW'S	3	ir	47	92	7	6	1	-	9+	10	1500	1	*
Hartland Point	980.9	+6	SW	5	c	48	92	7	5	8	-	4-6	7-8	1500	1	3
Bristol	983.7	0	SSW	4	c	48	85	7	5	7	-	4-6	7-8	1500	1	*
Portland Bill	984.8	+2	SW	4	c	48	92	7	5	-	-	7-8	9	1500	1	3
Plymouth	983.0	0	SSW	3	c	49	85	7	8	7	-	7-8	9+	1500	1	3
The Lizard	982.3	+6	SW	4	pr	48	97	7	8	2	-	7-8	9+	1500	1	3
Scilly (St. Mary's)	981.5	+6	SW	4	bc	48	97	7	8	4	3	2-3	4-6	1500	1	3
Guernsey	985.2	-2	S'W	3	ir	49	92	6	5	-	-	10	10	1500	1	3
Pembroke	980.2	-6	WSW	4	rr	47	97	6	8	-	-	10	10	1500	1	3
Holyhead	982.2	-6	NE'E	6	co	44	92	6	6	2	-	7-8	10	450	1	3
Chester (Sealand)	984.1	-8	ENE	3	rr	44	92	5	6	2	-	9	10	800	1	*
Manchester	984.3	-4	ENE	4	zr	44	85	6	5	-	-	10	10	800	1	*
Spurn Head	985.5	-8	E'N	3	DD	43	97	1	-	-	-	10	10	<150	1	2
Catterick	986.9	-8	NE	4	co	41	97	5	6	-	-	9	10	450	1	*
Tynemouth	988.8	-8	ENE	6	c	41	92	6	6	-	-	10	10	1500	1	3
St. Abbs Head	992.1	-10	NNE	4	ir	39	85	7	3	6	-	4-6	9+	800	1	4
Leuchars	992.6	-6	NNE	3	c	38	85	8	5	7	-	7-8	9+	2500	1	*
Renfrew (Abbots I.)	992.3	-6	ENE	4	c	39	75	8	5	2	-	7-8	9+	2500	1	*
Eskdalemuir	989.3	0	NE	5	id	35	92	6	6	-	-	10	10	450	1	*
Point of Ayre	986.5	0	E'N	7	co	42	92	6	8	2	-	7-8	10	800	1	4
Tiree	991.6	0	NE'E	5	bc	41	65	8	5	4	-	2-3	4-6	2500	0	4
Stornoway	997.7	-2	ENE	4	c	40	75	8	5	7	-	7-8	7-8	2500	0	2
Dalwhinnie	*	-8	NE	2	b	31	85	8	4	6	-	1	1	4000	0	*
Aberdeen	993.6	-10	N	2	bc/fr	37	75	7	8	-	-	4-6	4-6	2500	1	1
Wick	995.2	-8	NE	5	co	41	65	8	8	4	1	4-6	7-8	1500	1	2
Lerwick	996.3	-10	ENE	5	c/fr	39	75	8	8	7	-	7-8	9	800	1	*
Blacksod Point	985.4	+2	ENE	6	c	45	92	8	8	-	-	10	10	800	1	4
Malin Head	988.7	-2	E	6	c	41	75	7	8	-	-	9	9	2500	0	4
Aldergrove	986.4	0	E'S	5	dd	40	85	6	6	-	-	10	10	800	1	*
Birr Castle	981.6	-4	E'N	1	id	45	97	7	5	-	-	10	10	2500	1	*
Valentia Obsy. †	979.1	-2	E'N	4	c	45	92	7	5	7	-	4-6	9+	800	1	2
Roches Point	978.5	-6	E	3	rr	47	97	7	6	2	-	7-8	10	800	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 3rd Hrs. (36)
London (Kew)	46	48	45	0.6	5	0.0
Croydon	50	46	43	2	5	0.0
S. Farnborough	47	47	45	1	7	0.0
Boscombe Down	48	45	44	1	5	0.0
Calshot (Sthmtn.)	49	45	45	2	10	0.0
Lympne	46	45	44	1	7	0.7
Manston	50	45	45	0.6	6	3.6
Shoeburyness	49	45	40	1	5	1.9
Felixstowe	50	44	43	Tr	7	4.6
Gorleston	51	44	43	Tr	2	7.5
Mildenhall	52	46	45	Tr	3	3.3
Cranwell	52	43	43	–	5	4.7
Birmingham	46	44	42	1	8	0.4
Upper Heyford	45	44	42	0.1	4	*
Ross-on-Wye	47	45	44	0.5	2	0.0
Hartland Point	52	46	45	3	5	2.2
Bristol	50	45	44	1	5	0.0
Portland Bill	48	44	*	2	7	*
Plymouth	52	47	45	4	11	0.5
The Lizard	52	47	*	3	6	1.5
Scilly (St. Mary's)	54	47	*	Tr	2	2.8
Guernsey	57	48	44	5	2	3.2
Pembroke	50	46	*	0.5	3	2.5
Holyhead	53	44	42	1	3	6.5
Chester (Sealand)	49	44	43	1	1	3.5
Manchester	53	44	42	1	1	4.6
Spurn Head	55	42	*	–	0.3	6.4
Catterick	55	41	41	–	0.4	6.9
Tynemouth	47	41	40	–	–	1.1
St. Abbs Head	41	37	*	5	5	*
Leuchars	44	37	35	Tr	1	0.3
Renfrew (Abbots I.)	44	38	37	0.1	Tr	0.0
Eskdalemuir	42	35	34	1	0.2	0.0
Point of Ayre	50	41	*	0.2	3	5.6
Tiree	50	39	38	–	–	1.2
Stornoway	48	38	*	–	–	6.0
Dalwhinnie	46	29	22	0.3	–	2.2
Aberdeen	45	37	33	–	Tr	2.2
Wick	43	38	*	Tr	0.2	*
Lerwick	43	(38)	*	0.2	0.1	3.7
Blacksod Point	51	43	*	1	0.5	*
Malin Head	46	34	*	–	2	6.6
Aldergrove	51	40	39	0.1	1	4.9
Birr Castle	48	39	32	1	1	0.0
Valentia Obsy. †	53	40	32	–	Tr	7.1
Roches Point	53	44	*	1	8	*

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 pr sm	cir cr c	cr r bc	48	47	45	0.6	5	0.0	*	*	7
Croydon	217	cp r d	dr d id	id m ir bc	50	46	43	2	5	0.0	*	*	6
Greenwich (Royal Observatory)	149	c	cp s d	dr r bc	49	46	42	1	4	0.1	91	81	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.1	*	*	*
Westminster (St. James' Park)	27	*	*	*	50	44	43	4		0.1	89	78	*
Regents Pk. (Botanic Gardens)‡	166	*	*	*	54	45	44	1	5	0.1	79	79	*
Camden Square	110	c	c	*	47	44	43	1	5	*	*	75	*
Kensington	80	cr	c	*	48	47	43	1	5	0.0	At 12h. 91	77	*
Hampstead Observatory	450	o d	or	or bc	47	46	41	1	5	0.1	*	85	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
Pollution Defective			

Kew Observatory Max.	Time.	Min.	Time.
0.3	19h 3rd	<0.1	1-6h 4th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 3rd April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 4th April 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	997.0	SSW	4	ir	52	993.4	SSW	3	rr	52	55	52	0.2	2
Brussels						991.8	SSW	4	ro	50		46		7
Berlin	1000.9	SSW	3	bc	46						50		0.3	
Zürich	1004.8	SSE	2	c	48	1004.2	SSE	1	zr	45	54	41	-	-
Rome	1010.3	WSW	2	bc	57						*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, 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 5th April, 1939.
No. 28258

OBSERVATIONS at 13h. G.M.T. 4th 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)	°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)...	986.3	+6	SWS	3	c/r	49	85	8	7	–	–	10	10	800
	Croydon	987.1	+10	SWS	4	c/pr	48	85	6	6	1	–	4-6	9+	1500
	S. Farnborough	986.4	+4	SW	5	c/r	50	85	8	8	–	–	9+	9+	1500
	Boscombe Down	985.9	+14	SSW	3	iro	50	92	7	6	2	–	7-8	10	800
	Calshot (Soton.)	987.0	+24	SSW	4	pr	49	97	6	7	3	–	2-3	9+	1500
	Lympne ...	988.5	0	SW	5	c	51	85	8	8	–	–	9+	10	1500
	Manston ...	986.8	−6	SWS	5	pr	51	85	6	8	–	–	9+	9+	1500
2	Shoeburyness ...	987.3	+4	SW	2	rr	47	92	7	–	2	–	9+	9+	1500
	Felixstowe ...	987.0	+2	S'W	4	pr	49	92	5	6	–	–	10	10	800
	Gorleston ...	985.9	0	S	4	c	53	75	6	8	–	–	9+	9+	2500
	Mildenhall ...	984.4	−6	S'W	4	c	58	65	7	8	3	1	4-6	9	2500
	Cranwell ...	984.1	+2	NNW	1	ido	48	97	6	5	–	–	4-6	9+	800
3	Birmingham ...	984.5	+6	NW	1	c/r	49	85	6	9	–	–	9	9	800
	Upper Heyford	985.2	+4	S'W	3	c	52	85	8	9	7	–	7-8	9	1500
4	Ross-on-Wye ...	984.6	+6	SW	4	c	51	75	8	9	7	–	9	9+	2500
5	Hartland Point	984.3	+18	WSW	5	bc	48	97	8	8	–	3	4-6	4-6	1500
	Bristol	985.6	+16	SSW	3	c/pr	48	85	8	9	2	8	4-6	9+	2500
	Portland Bill ...	986.9	+20	SW	4	bc	49	92	7	5	–	–	4-6	4-6	2500
	Plymouth ...	986.2	+18	SW	4	cjp	51	85	7	9	7	3	4-6	7-8	1500
	The Lizard ...	986.3	+16	SWS	4	bc	54	85	8	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	985.0	+14	SSW	4	c	51	92	8	8	1	–	4-6	9+	2500
	Guernsey ...	988.5	+18	WSW	4	c	54	75	8	5	3	–	4-6	7-8	2500
6	Pembroke ...	983.7	+8	WSW	4	c	49	92	6	5	7	–	4-6	7-8	2500
7	Holyhead ...	983.8	+14	NE'E	6	roro	44	92	6	6	2	–	2-3	10	800
	Chester (Sealand)	984.6	+8	NE	4	dr	45	92	4	6	2	–	9	10	800
8	Manchester ...	984.7	+4	NE'E	4	roro	44	85	5	6	2	–	9	10	800
10	Spurn Head ...	984.6	−2	NEE	3	roro	43	97	6	5	–	–	10	10	800
	Catterick ...	987.5	+2	NEN	4	iro	41	92	5	6	–	–	10	10	450
	Tynemouth ...	989.2	0	NE	5	o	41	85	7	6	–	–	10	10	1500
11	St. Abbs Head...	990.8	−2	NNE	4	bc	41	55	8	2	6	1	2-3	4-6	2500
	Leuchars ...	991.7	−2	E	3	bc	45	65	8	7	6	6	1	2-3	4000
12	Renfrew (Abbotsl.)	990.9	−8	ENE	5	c	46	55	9	7	–	–	7-8	7-8	4000
	Eskdalemuir ...	988.9	−4	NEN	6	bc	43	55	8	5	–	–	4-6	4-6	2500
	Point of Ayre ...	987.6	+6	EN	6	c	43	85	8	8	7	–	2-3	10	1500
13A	Tiree	991.8	0	NNE	5	bc	46	65	8	1	4	–	2-3	4-6	4000
13B	Stornoway ...	997.6	0	ENE	5	c/pr	42	75	8	5	7	–	4-6	7-8	2500
15	Dalwhinnie ...	993.0	−6	NE	6	c	40	55	6	4	4	–	4-6	7-8	4000
	Aberdeen ...	992.3	−6	NE	5	c	45	55	7	2	–	–	7-8	7-8	2500
	Wick	994.1	−8	NNE	7	cjp	43	75	8	8	6	2	4-6	7-8	1500
16	Lerwick... ...	994.1	−16	NE	5	c/phr	41	65	8	8	7	–	4-6	7-8	800
17	Blacksod Point...	987.7	+14	NE	7	cq	44	92	8	9	–	–	9+	9+	450
18	Malin Head ...	990.3	+4	E	5	bc	44	65	8	7	3	1	2-3	4-6	5700
	Aldergrove ...	987.7	+10	E'S	5	iro	42	85	8	5	–	–	10	10	1500
19	Birr Castle ...	983.5	+8	E	3	iro	45	92	7	6	2	–	4-6	10	800
20	Valentia Obsy.†	980.5	+6	NE'E	4	c	50	85	7	5	–	–	9+	9+	1500
	Roches Point ...	980.9	+14	S'W	3	c	52	85	8	8	–	3	4-6	7-8	1500

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

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)	988.6	+18	SSW	3	c/pr	49	85	6	5	–	–	9	9	1500	1	*
Croydon	989.0	+14	SWS	4	pr	50	85	6	9	4	3	7-8	9+	2500	1	*
S. Farnborough	988.7	+18	SWS	4	c	50	85	7	8	5	6	2-3	7-8	4000	1	*
Boscombe Down	989.1	+26	W	3	c	47	92	8	8	4	–	7-8	9	800	1	*
Calshot (Soton.)	988.5	+6	SWS	4	bc	49	85	8	4	4	2	1	4-6	2500	1	2
Lympne	990.7	+14	SW	4	c	49	75	8	2	6	–	2-3	7-8	2500	1	§3
Manston	989.1	+14	SW	5	c	51	75	8	2	6	4	2-3	7-8	2500	1	*
Shoeburyness	988.9	+14	SW	4	c	50	75	8	8	7	2	4-6	9	2500	1	*
Felixstowe	988.0	+10	WSW	5	bc	50	85	7	8	4	3	4-6	4-6	2500	1	3
Gorleston	986.7	+6	SW'W	3	c	51	85	6	5	4	tr	2-3	7-8	2500	1	2
Mildenhall	986.5	+26	SW'W	3	c	51	85	7	9	7	–	4-6	7-8	1500	1	*
Cranwell	986.8	+24	NNW	2	ido	44	92	6	5	–	–	10	10	800	1	*
Birmingham	988.6	+16	N	1	m/r	47	92	4	8	–	–	9+	9+	1500	1	*
Upper Heyford	987.6	+2	SW	3	c	51	75	8	9	7	1	4-6	7-8	1500	1	*
Ross-on-Wye	987.2	+16	WSW	2	bc	52	65	8	2	1	4	1	4-6	2500	1	*
Hartland Point	986.9	+10	WSW	3	c/r	47	97	7	6	2	–	4-6	9	1500	1	3
Bristol	987.9	+10	SW'W	2	c	50	85	8	8	7	–	7-8	9	2500	1	*
Portland Bill	988.9	+10	SW	4	c	48	92	7	5	4	–	4-6	10	2500	1	4
Plymouth	987.9	+6	SW	3	pr	48	97	6	9	6	–	4-6	9+	1500	1	3
The Lizard	987.2	+8	SWS	5	c	50	92	7	8	6	–	7-8	7-8	2500	2	2
Scilly (St. Mary's)	986.0	+10	SWS	5	c/pr	50	97	7	8	4	3	2-3	7-8	1500	1	3
Guernsey	990.2	+4	SW	1	bc	53	85	8	8	3	–	4-6	4-6	2500	1	3
Pembroke	986.1	+10	SW	2	c	48	92	7	8	6	–	4-6	7-8	2500	1	2
Holyhead	985.8	+14	NE'E	6	iro	43	85	6	6	2	–	4-6	10	800	1	3
Chester (Sealand)	987.8	+24	NE	2	zo	44	85	5	5	2	–	4-6	10	1500	1	*
Manchester	987.8	+18	NE'E	3	roro	42	85	4	6	2	–	7-8	10	800	1	*
Spurn Head	986.6	+10	NEN	3	rr	42	97	6	5	–	–	10	10	800	2	2
Catterick	989.3	+14	N'E	4	roro	38	92	6	6	–	–	10	10	450	1	*
Tynemouth	989.5	+6	NE	5	c	42	65	8	8	–	–	9	9	1500	1	3
St. Abbs Head	990.6	+4	NNE	3	bc	40	65	8	8	6	9	2-3	4-6	2500	0	4
Leuchars	991.5	+2	NE	3	bc	42	65	8	8	6	–	1	2-3	4000	1	*
Renfrew (Abbotsl.)	991.6	+10	E	3	bc	44	55	8	4	–	–	4-6	4-6	4000	0	*
Eskdalemuir	990.3	+12	NEN	4	bc	39	55	8	5	3	6	1	4-6	2500	1	*
Point of Ayre	988.5	+10	E	5	c	43	75	8	5	–	–	9	9	1500	1	4
Tiree	993.0	+10	NNE	4	bc	45	65	8	2	4	–	2-3	2-3	4000	0	4
Stornoway	997.9	0	NE	4	c/phr	41	75	7	5	7	–	4-6	7-8	2500	1	3
Dalwhinnie	993.4	+4	NNE	4	bc	37	65	8	4	4	–	2-3	4-6	4000	0	*
Aberdeen	991.9	+2	N	3	bc	40	65	7	2	–	–	2-3	2-3	1500	0	1
Wick	992.6	−8	NNE	6	pr	40	65	8	8	7	–	4-6	4-6	1500	1	3
Lerwick	991.2	−4	NE	5	c	39	65	8	8	7	–	4-6	7-8	800	1	*
Blacksod Point	988.9	+10	NE	7	cq	45	85	8	–	8	–	0	10	–	1	5
Malin Head	990.9	+4	E	4	bc	46	55	8	5	–	2	2-3	4-6	5700	0	3
Aldergrove	989.2	+10	ESE	3	c	44	75	6	5	–	–	9+	9+	4000	1	*
Birr Castle	984.8	+10	ENE	4	iro	44	97	7	6	2	–	4-6	10	800	1	*
Valentia Obsy.†	982.3	+14	ENE	4	roro	48	92	6	6	–	–	10	0	1500	1	3
Roches Point	983.0	+12	S	3	bc	50	92	8	8	5	5	2-3	4-6	2500	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)	bcmocroc	cprocm	cmocpr	cprocmo
Croydon	bcPRpro	cpro	cprocicmo	bccmo
S. Farnborough	prodoPRc	pramocbc	cmopr	cmo
Boscombe Down	crorocir0	ciroproc	ccroroc	cmo
Calshot (Soton.)	cmolGpro	cmoprobc	bcwbcpro	bcproc
Lympne	cPRpr	cprobcc	cbcmo	cprbccm
Manston	bccproproc	cqprobc	bcwcw	cwbcc
Shoeburyness	rrPHR	crrc	cb	bcirobc
Felixstowe	cbcpr	crrirdidbc	cbc	cbccw
Gorleston	czoq	czoprocq	cproc	cprocmd
Mildenhall	c	cprotlc	cprrrcm	oircrodrr
Cranwell	crrfdod	dcrorm	oidocmo	cmorocmo
Birmingham	fororo	cRtlr	rc	cirf
Upper Heyford	cprc	cprcbcc	cmocrm	crrRRoc
Ross-on-Wye	rcpc	cbc	coror	rroro
Hartland Point	cpcbc	bccir	cpo	cro
Bristol	bcpocPR	cproc	cRRc	crcroc
Portland Bill	c	c	c	cido
Plymouth	cprobc	bccpr	cprombc	bcczo
The Lizard	prcbc	bcprc	cbcw	bccw
Scilly (St. Mary's)	bcc	crrcp	cbccw	cpobcc
Guernsey	oRir	cbc	bcbw	boiro
Pembroke	pramoc	cbcc	irmoc	crrmo
Holyhead	roromoc	ror0rrc	irroroc	c
Chester (Sealand)	crrmo	crdrrm	cidomo	cdodmo
Manchester	rorrm	crorarm	romprmo	ccirorir
Spurn Head	ffmrr	irorr	rrido	iroc
Catterick	roromoro	ororomo	mororoiro	iroc
Tynemouth	oiroo	oiroo	c	cbc
St. Abbs Head	cbcy	bc	bc	bcb
Leuchars	cbcb	bbcb	bbx	bx
Renfrew (Abbotsl.)	cy	cbcy	bcybmob	bx
Eskdalemuir	idoprso	bcy	bcybxb	bx
Point of Ayre	roroc	c	c	cbc
Tiree	bc	bc	bc	bc
Stornoway	cpr	cph	cphr	cbcpro
Dalwhinnie	bcc	bc	•	ciso
Aberdeen	bcy	bcpro	bcpsrosoc	crroso
Wick	phrc	phrpr	phrbc	bcroc
Lerwick	cPHRq	cPHRprq	cphr	cphrpr
Blacksod Point	irocq	ircq	cbcq	bc
Malin Head	cbc	bccbcy	bc	bcc
Aldergrove	dodmoiro	iroc	cbcb	bx
Birr Castle	idiro	ciro	ciroc	c
Valentia Obsy.†	c	iroroo	croroc	ciroc
Roches Point	rrido	bc	bc	crrirc

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.

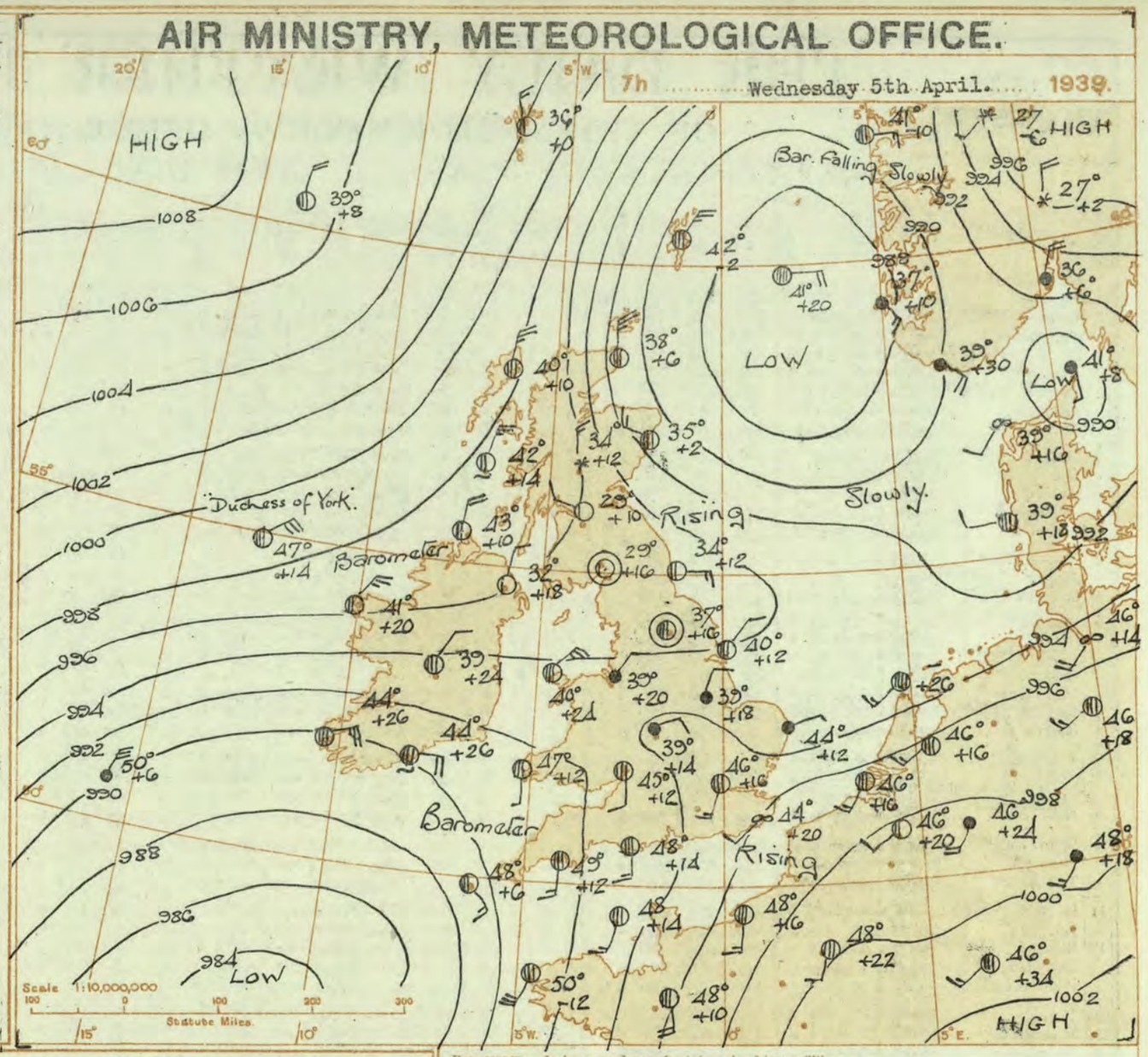
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for April 4th 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 3rd to 9h. 4th	Temperature. (°F.) Max. 9h.–17h. 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.	or	orcbc	43	53	6	6	2.2	0.0
	Bournemouth	pc	bc	44	54	10	3	3.2	0.2
	Ventnor ...	oro	cb	43	51	18	2	4.0	0.0
	Southsea ...	opoc	cb	44	54	13	1	3.0	0.0
	Bognor Regis	bcPR	bcb	44	51	10	2	5.0	0.0
	Littlehampton	ccrc	cbc	44	56	11	3	4.1	0.0
	Worthing ...	cp	cbcb	44	51	6	2	3.0	0.0
	Brighton ...	crc	cbc	45	51	10	6	4.0	0.1
	Eastbourne† ...	rro	ocbcc	47	53	5	1	3.0	0.0
	Hastings† ...	oroc	bcbbc	46	52	3	2	3.7	0.0
	Folkestone ...	coroc	bc	45	55	10	2	4.0	2.2
	Dover ...	coro	orcbc	45	54	3	2	5.5	2.4
	Deal	bccrr	bccb	46	55	9	4	4.0	1.9
	Ramsgate ...	cir	bc	45	54	7	1	4.0	3.1
	Margate ...	crbc	cbc	46	54	7	2	4.8	4.0
2	Southend ...	cor	orc	46	51	4	5	1.8	1.6
	Clacton-on-Sea	bcc	corc	44	51	7	8	2.6	4.3
	Dovercourt ...	rcb	rocbc	45	53	7	8	3.6	4.3
	Lowestoft ...	bcc	cpcbc	44	56	3	1	2.5	7.8
	Skegness ...	o	orro	42	51	5	4	0.0	5.0
	Mablethorpe...	or	or	42	46	7	2	0.0	6.0
	Cleethorpes ...	orr	or	42	44	2	2	0.0	6.1
3	Leamington S.	bc	cor	44	56	9	3	1.9	0.2
4	Cheltenham†	c	cbc	42	57	3	–	3.3	0.0
5	Bath	cbcrh	pcbc	45	55	5	4	1.1	0.0
	Weymouth ...	rc	b	46	54	13	2	5.0	0.1
	Jersey ...	rcbc	bcpc	47	55	7	Trace	6.3	2.7
	Torquay ...	od.pbc	bcc	47	56	12	Trace	4.4	0.3
	Falmouth	b	orro	47	56	7	1	5.6	1.1
	Penzance ...	bcb	bcrr	46	57	4	10	5.6	2.3
	St. Ives ...								
	Bude... ...	rcbc	bccr	47	53	7	*	4.1	1.3
	Ilfracombe ...	rocbc	bcbbc	48	55	5	—	6.2	2.3
6	Aberystwyth	prc	cbc	45	53	5	0.5	1.6	1.0
7	Llandudno ...	rogr	ror	44	45	1	6	0.0	2.5
	Colwyn Bay...	crror	rooro	44	44	0.5	2	0.0	3.0
	Rhyl	od.do	ord.	44	46	0.4	3	0.0	4.7
8	Wallasey ...	r	r	44	46	3	4	0.0	5.0
	Southport ...	op.or	orr	43	46	3	6	0.0	4.2
	Blackpool ...	cir	orr	44	46	2	6	0.0	5.2
	Morecambe ...	c	cdr	43	46	4	0.5	0.0	5.2
9	Ilkley... ...	or	oro	41	45	4	4	0.0	6.1
	Harrogate ...	orr	orr	41	41	5	3	0.0	4.3
10	Berwick-on-T.	o	bc	38	44	2	–	5.0	0.6
11	Dunbar ...	cpr	bc	37	43	4	Trace	6.0	0.0
12	Troon... ...	cbcc	bcb	39	46	–	–	7.5	0.2
	Douglas ...	cir	cir	41	42	5	0.5	0.0	6.0

† 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. 5th April, 1939.
1 S.E. England 2 E. England ...	Wind southerly, moderate; occasional rain or showers, but some bright intervals; rather mild.
3 E. Midlands ... 4 W. Midlands ...	Wind light and variable; cloudy, occasional rain; rather cold.
5 S.W. England 6 South Wales ...	Wind variable becoming northerly; showers but some bright intervals; rather cold.
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 northerly moderate or fresh locally; mainly fair but some local showers of sleet or rain; cold with frost at night.

GENERAL INFERENCE.

A depression off the Northwest of Spain is moving southeastwards and another over Southern Norway is moving northwards. A connecting trough over England is almost stationary. In Northern districts it will be cold with snow showers but bright periods. Over Southern England there will be rain at times and the temperature will fall in the Southwest.

FURTHER OUTLOOK.

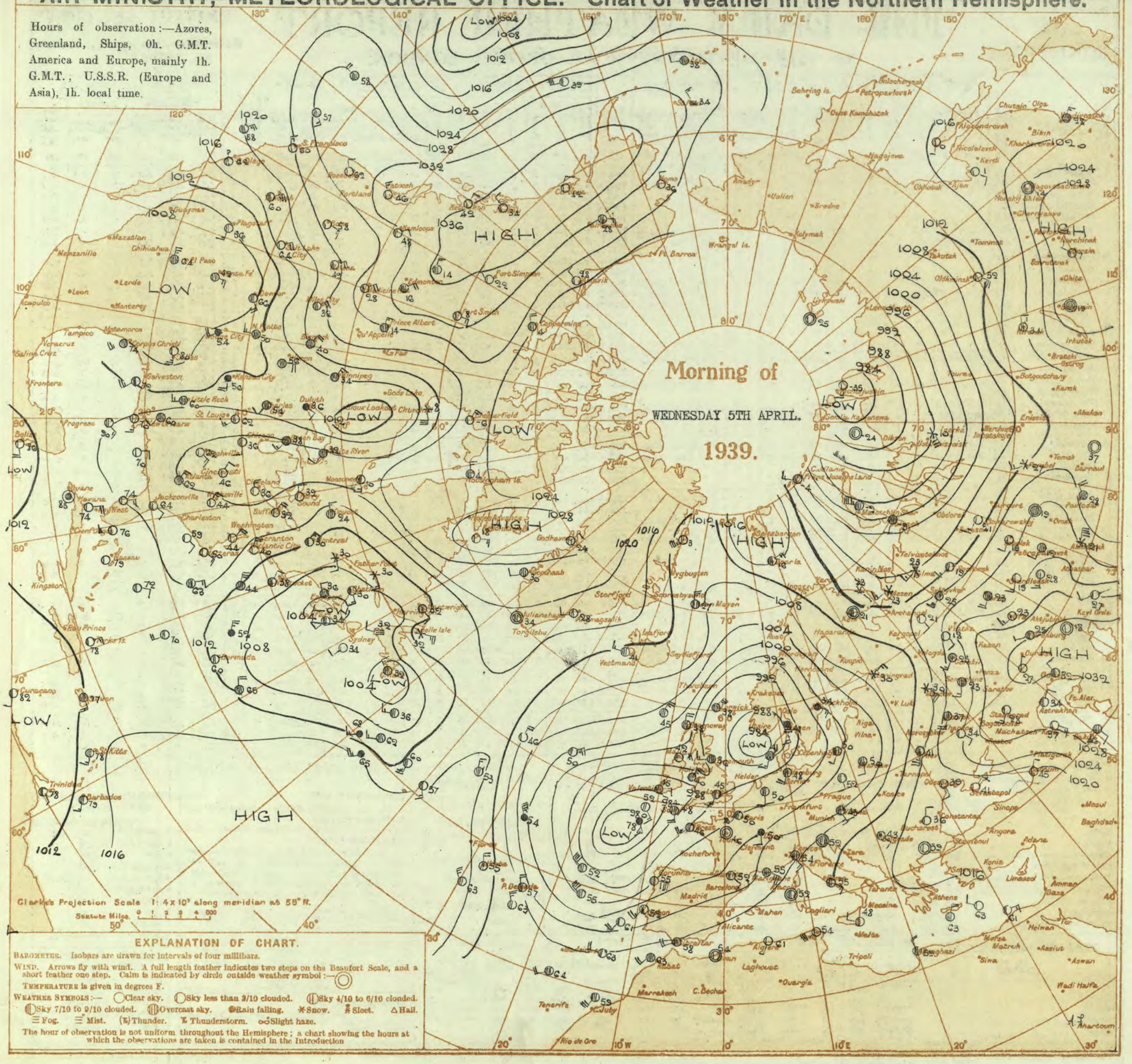
Unsettled; probably mild in the Southeast and cold in the North.

Forecasts issued at 1030 G.M.T

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

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

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 5th April, 1939.
No. 28258

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

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	992.2	+16	SSW	3	c	45	92	8	5	4	1	4-6	7-8	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	994.3	+10	S'W	1	z₀	42	97	6	5	-	-	9+	9+	2500
	Manston ...	154	992.6	+10	SW'S	2	c	44	92	8	-	3	6	0	7-8	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	991.2	+22	NW	2	c	45	92	6	8	-	-	9+	9+	2500
	Mildenhall ...	19	990.8	+10	ESE	1	ir₀	44	97	5	5	-	-	10	10	1500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	988.5	+8	SW	4	c	49	92	8	2	6	-	2-3	7-8	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	991.4	+6	SSW	4	c	48	92	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82														
	The Lizard ...	240	989.5	+6	S	4	bc	48	97	7	4	-	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	988.0	+8	S'E	4	c	48	97	7	5	3	4	1	9	2500
	Guernsey ...	175	992.3	+8	S'W	2	b	48	92	7	-	1	-	0	1	-
6	Pembroke ...	142	988.8	+8	SW'W	1	c	48	97	6	5	2	-	7-8	10	450
7	Holyhead ...	26	989.6	+16	NE	5	c	40	85	7	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	991.0	+10	N'E	3	id₀	40	97	7	5	-	-	10	10	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	991.7	+8	W	3	c	36	75	7	2	-	-	7-8	7-8	1500
11	St. Abbs Head	280	992.3	+4	NW	4	bc	37	75	8	2	4	1	2-3	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	992.2	+12	E'N	4	c	41	75	8	8	1	-	7-8	10	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	997.5	0	N	4	c	38	85	7	9	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	991.5	-4	NNW	3	bc	36	92	7	8	7	1	2-3	4-6	1500
16	Lerwick ...	156	989.8	-14	NE	5	s/phr	38	85	8	8	7	-	4-6	7-8	800
17	Blacksod Point	18	992.6	+12	NE	6	bc	42	85	8	2	-	-	2-3	2-3	4000
18	Malin Head ...	84	994.9	+6	ENE	4	bc	42	65	8	-	-	2	0	2-3	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	986.8	+6	E'N	2	b	45	97	8	-	4	-	0	1	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 5th 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)	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)	994.6	+20	SSW	3	z₀	47	92	6	5	-	-	10	10	1500	1	*
Croydon	994.8	+16	S'W	3	c	46	97	6	5	-	-	9+	9+	800	1	*
S. Farnborough	994.3	+20	SSW	3	z₀	48	92	6	5	-	-	9+	9+	1500	1	*
Boscombe Down	993.5	+18	S	3	z₀	46	97	6	5	-	8	7-8	9+	800	1	*
Calshot (Sthmtn.)	993.7	+14	S	4	c	47	97	8	9	3	-	9	9+	2500	1	2
Lympne	996.8	+20	SW'S	2	z₀	44	97	5	5	-	-	9+	9+	220	1	§3
Manston	995.5	+18	SW'S	3	c	45	92	6	5	-	-	9	9	800	1	*
Shoeburyness	996.4	+20	SSW	3	c	46	92	7	5	-	-	9	9	1500	1	*
Felixstowe	994.4	+18	SW	4	bc	46	92	7	8	3	5	2-3	2-3	4000	0	4
Gorleston	993.6	+12	ENE	1	d₀d₀	44	97	4	6	-	-	10	10	450	1	1
Mildenhall	993.2	+16	SW	1	o/r	46	97	5	5	-	-	10	10	1500	1	*
Cranwell	993.9	+18	NNE	2	r₀r₀	39	97	5	5	-	-	10	10	800	1	*
Birmingham	994.2	+14	ENE	2	ir₀	39	97	3	5	-	-	10	10	450	1	*
Upper Heyford	993.9	+20	S'W	1	c/r	44	97	6	5	-	1	9+	9+	2500	1	*
Ross-on-Wye	993.0	+12	SSE	2	c/r	45	97	7	5	-	-	9	9	1500	1	*
Hartland Point	990.7	+10	SSE	3	c	47	97	8	5	7	-	4-6	7-8	1500	1	3
Bristol	992.6	+12	SSW	3	c/r	48	92	8	5	7	2	4-6	7-8	1500	1	
Portland Bill	993.0	+14	S	3	c/d	48	92	7	5	7	-	7-8	10	2500	1	3
Plymouth	991.9	+12	S	3	c	49	92	6	5	4	2	4-6	7-8	1500	1	3
The Lizard	990.6	+6	SSW	3	c	48	97	6	8	2	-	7-8	9+	2500	1	2
Scilly (St.Mary's)	988.5	+6	SE'E	3	c	48	97	6	8	6	-	4-6	9+	1500	1	2
Guernsey	993.7	+14	S'W	3	c/r	48	92	7	5	1	-	7-8	9+	2500	1	3
Pembroke	990.8	+12	S'E	1	c/r	47	97	6	8	2	-	7-8	9+	1500	1	2
Holyhead	993.6	+24	NE	5	c	40	85	8	5	2	-	9	10	1500	1	3
Chester (Sealand)	993.8	+20	NE	2	d₀d₀	39	92	4	-	2	-	10	10	800	1	*
Manchester	994.1	+20	NE'E	3	c/r₀	37	92	5	6	2	-	2-3	10	1500	1	*
Spurn Head	993.8	+12	NE	2	c	40	85	7	5	-	-	10	10	1500	1	1
Catterick	994.8	+16	-	0	c	37	75	7	5	-	-	9	9	2500	1	*
Tynemouth	994.2	+12	W	3	bc	34	75	7	8	-	-	2-3	2-3	2500	1	1
St. Abbs Head	993.0	+6	WNW	4	b	37	65	8	4	-	-	Tr	Tr	2500	0	3
Leuchars	993.1	+10	WSW	4	bc	34	85	8	8	-	-	2-3	2-3	4000	3	*
Renfrew (Abbots I.)	995.9	+10	W'N	2	b	29	92	9	1	-	-	Tr	Tr	4000	3	*
Eskdalemuir	995.7	+16	-	0	b	29	85	8	5	-	-	Tr	Tr	2500	3	*
Point of Ayre	995.4	+16	ENE	3	bc	38	75	8	-	4	-	0	2-3	-	0	2
Tiree	997.5	+14	N'E	5	bc	42	65	8	2	-	-	4-6	4-6	2500	0	4
Stornoway	998.1	+10	N	5	c/pr	40	65	7	8	-	-	9+	9+	2500	1	2
Dalwhinnie	996.1	+12	NNW	3	is	34	85	8	4	7	-	7-8	9	1500	4	*
Aberdeen	991.6	+2	WNW	3	c/rs	35	92	6	9	3	1	7-8	7-8	1500	4	2
Wick	991.5	+6	NNW	5	c	38	92	7	5	7	8	7-8	9+	1500	1	2
Lerwick	988.5	-2	NE	5	c/pr	42	65	8	8	7	-	4-6	10	800	1	*
Blacksod Point	997.1	+20	NE	5	bc	41	85	8	2	-	-	2-3	2-3	5700	0	3
Malin Head	997.8	+10	N	4	bc	43	75	8	2	6	-	4-6	4-6	5700	0	3
Aldergrove	996.4	+18	NNE	2	b	32	92	8	5	-	-	Tr	Tr	1500	1	*
Birr Castle	993.7	+24	NE	2	c	39	85	8	5	-	-	9	9	2500	1	*
Valentia Obsy. †	989.6	+26	ENE	5	c	44	85	7	5	8	-	9	9	800	1	3
Roches Point	990.5	+26	E	4	c/r	44	97	8	8	-	5	4-6	7-8	1500	1	4

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 4th Hrs. (36)
London (Kew)	54	46	42	3	0.1	2.1
Croydon	54	43	41	4	1	1.7
S. Farnborough	53	44	41	3	0.3	2.4
Boscombe Down	54	45	42	3	1	3.1
Calshot (Sthmtn.)	54	45	44	1	Tr	3.7
Lympne	53	42	34	3	0.3	2.7
Manston	54	42	39	1	Tr	5.0
Shoeburyness	53	43	38	8	0.1	1.4
Felixstowe	52	43	38	7	Tr	3.4
Gorleston	56	43	42	0.6	4	2.5
Mildenhall	59	44	45	2	5	2.8
Cranwell	49	38	38	5	2	0.0
Birmingham	51	39	39	6	3	0.3
Upper Heyford	53	43	33	1	7	*
Ross-on-Wye	57	44	41	2	11	2.5
Hartland Point	50	46	33	2	0.2	3.6
Bristol	53	45	44	2	7	0.9
Portland Bill	(49)	44	*	—	Tr	*
Plymouth	52	47	45	1	0.1	4.4
The Lizard	54	47	*	1	-	4.6
Scilly (St.Mary's)	53	47	*	1	0.2	6.4
Guernsey	57	47	42	7	0.2	7.7
Pembroke	50	46	*	0.4	5	3.9
Holyhead	45	39	39	6	1	0.0
Chester (Sealand)	46	39	38	6	0.4	0.0
Manchester	45	37	37	5	1	0.0
Spurn Head	44	39	*	8	1	0.0
Catterick	42	36	35	3	0.3	0.0
Tynemouth	42	32	28	Tr	-	0.0
St. Abbs Head	42	35	*	0.3	-	*
Leuchars	46	30	20	—	-	9.4
Renfrew (Abbots I.)	47	26	19	—	-	4.4
Eskdalemuir	45	24	18	Tr	-	6.1
Point of Ayre	43	37	*	Tr	-	0.0
Tiree	47	38	37	—	-	11.6
Stornoway	45	35	*	0.6	0.4	8.4
Dalwhinnie	43	28	19	—	Tr	9.5
Aberdeen	45	32	30	Tr	1	9.6
Wick	44	35	*	0.3	0.3	*
Lerwick	42	35	*	2	1	4.7
Blacksod Point	47	40	*	4	-	*
Malin Head	46	37	*	—	-	6.7
Aldergrove	46	30	18	0.3	-	0.0
Birr Castle	46	37	32	2	Tr	0.0
Valentia Obsy. †	52	44	41	3	1	0.1
Roches Point	54	43	*	1	4	*

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	bcm₀r₀c	cpr₀cm₀	cpr₀cm₀	54	46	42	3	0.1	2.1	*	*	6
Croydon	217	bcPRpr₀	cpr₀	cpr₀irm₀	54	43	41	4	1	1.7	*	*	6
Greenwich (Royal Observatory)	149	cir	Rirc	cberc	54	43	38	5	0.5	1.3	81	86	6
City (Sunhill Row)	—	*	*	*	*	*	*	*	*	2.8	*	*	*
Westminster (St. James' Park)	27	*	*	*	55	47	40			2.5	79	82	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	55	46	44	3	Tr	2.5	83	86	*
Camden Square	110	bc	c	*	54	47	41	3	1	*	*	81	*
Kensington	80	bc	cp	*	55	46	41	3	0.1	2.7	At 18h 86	79	*
Hampstead Observatory	450	or	or	bcor	*	44	40	5	·1	2.2		91	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 5th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
Pollution defective.			

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0.2	19-3h 4th.	<0.1	2-5h. 5th.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 4th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 5th April 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	993.9	SSW	3	ir₀	52	1000.0	SSW	2	c	48	57	46	5	0.4
Brussels	991.9	SW	3	c	50	997.8	SW	2	bc	46	61	46	3	2
Berlin	995.4	SE	3	o	55	997.1	S'E	4	r₀r₀	50	61	48	1	6
Zurich	1000.7	W	1	bc	61	1004.8	S	1	ir₀	50	70	48	-	0.5
Rome	1013.4	SE	3	o	57	1013.8	ESE	5	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 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, 6th April, 1939.
No. 28259.

OBSERVATIONS at 13h. G.M.T. 5th 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)...	996.3	+6	S'W	4	c	52	85	8	9	7	—	7-8	9	1500
	Croydon	996.5	+6	SW'S	4	c/pr	54	75	7	2	6	3	4-6	9	2500
	S. Farnborough	996.5	+12	SW'S	4	PR	54	85	7	8	—	—	9+	9+	1500
	Boscombe Down	995.9	+10	SSW	4	rr	49	97	6	8	2	—	7-8	10	800
	Calshot (Soton.)	996.1	+12	S	2	iro	49	85	6	7	7	—	2-3	10	800
	Lympne ...	998.9	+6	SSW	4	c/pr	52	85	7	5	7	—	9	9+	800
	Manston ...	997.7	+10	SW	4	c	54	75	7	8	—	—	7-8	9	1500
2	Shoeburyness ...	997.2	+4	SSW	3	c/pr	52	75	8	8	—	—	9+	9+	1500
	Felixstowe ...	997.1	+6	SSW	4	pr	51	85	6	8	7	6	7-8	9+	1500
	Gorleston ...	996.8	+16	ENE	2	c	45	92	6	5	—	—	10	10	2500
	Mildenhall ...	996.2	+14	NW	1	c/r	50	97	6	5	7	—	7-8	9+	1500
	Cranwell ...	997.3	+14	NNE	2	ido	42	85	8	5	—	—	10	10	1500
3	Birmingham ...	996.9	+10	NNE	2	iro	41	97	4	6	—	—	10	10	450
	Upper Heyford	995.8	+6	S	1	ir	49	92	7	5	7	—	7-8	9+	1500
4	Ross-on-Wye ...	995.3	+8	NE	3	iro	50	92	5	9	6	—	9	9+	1500
5	Hartland Point	992.9	+10	S	2	rr	50	97	7	6	2	—	7-8	10	1500
	Bristol	995.1	+14	S'W	4	c/pr	51	85	8	8	2	—	7-8	9+	2500
	Portland Bill ...	995.3	+8	S	3	c	49	92	7	5	7	—	10	10	2500
	Plymouth ...	993.8	+14	SSE	3	c	53	85	8	9	7	—	4-6	9+	1500
	The Lizard ...	992.4	+20	ESE	3	bc	54	85	8	8	6	—	4-6	4-6	2500
	Scilly (St. Mary's)	991.3	+16	ESE	3	c	55	92	7	8	7	3	2-3	9+	1500
	Guernsey ...	994.8	+2	SSE	3	c	52	85	8	5	3	—	4-6	9	2500
6	Pembroke ...	992.6	+8	E'S	3	c	52	92	7	8	—	—	9	9	1500
7	Holyhead ...	996.5	+14	NNE	5	c	43	75	8	7	4	—	2-3	7-8	1500
	Chester (Sealand)	997.7	+18	NE	1	ido	41	85	4	5	—	—	10	10	1500
8	Manchester ...	997.4	+14	NE'N	2	m/f	42	75	4	5	2	—	9	10	1500
10	Spurn Head ...	997.6	+18	NE	1	c	43	75	7	5	—	—	10	10	2500
	Catterick ...	996.9	+10	—	0	bc	49	45	8	7	3	—	2-3	2-3	2500
	Tynemouth ...	996.5	+10	SE	3	c	45	65	8	8	—	—	7-8	7-8	1500
11	St. Abbs Head...	995.5	+6	NW	5	c	44	65	9	8	6	—	4-6	9	2500
	Leuchars ...	995.8	+14	NW	4	c	50	65	9	7	—	—	7-8	7-8	2500
12	Renfrew (AbbotsI.)	997.7	+10	NW'W	2	bc	50	45	9	4	—	—	4-6	4-6	4000
	Eskdalemuir ...	996.9	+10	NW'W	2	bc	45	45	7	7	—	—	4-6	4-6	2500
	Point of Ayre ...	998.3	+12	N'E	1	b	45	65	8	2	—	—	Tr	Tr	4000
13A	Tiree	1000.4	+10	N	5	bc	44	75	8	2	—	—	4-6	4-6	2500
13B	Stornoway ...	1000.4	+12	N	5	c/pr	46	55	8	5	7	—	4-6	7-8	2500
15	Dalwhinnie ...	*	-6	NNW	6	bc	43	55	7	8	4	—	4-6	4-6	2500
	Aberdeen ...	994.0	+10	NW'N	6	c/pr	42	85	7	9	1	—	7-8	9	1500
	Wick	993.9	+16	N	8	c/rs	41	85	7	5	7	—	7-8	9+	800
16	Lerwick... ...	990.4	+6	NE	6	rr	40	85	7	6	2	—	4-6	10	800
17	Blacksod Point...	1000.1	+20	NE	6	bc	47	65	8	2	—	—	4-6	4-6	4000
18	Malin Head ...	1000.4	+12	N'E	5	bc	45	75	8	1	4	—	1	4-6	5700
	Aldergrove ...	998.4	+8	NE'E	3	bc	48	45	9	1	—	—	4-6	4-6	2500
19	Birr Castle ...	996.6	+16	NE	3	bc	49	55	8	5	4	—	2-3	2-3	2500
20	Valentia Obsy.†	994.8	+20	NE'E	5	c	47	75	8	5	7	—	7-8	9	1500
	Roches Point ...	994.6	+20	E'N	4	c	47	85	8	8	1	—	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 5th 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)	997.6	+10	WSW	2	c	53	75	6	5	2	—	9	10	2500	1	*
Croydon	997.7	+6	SW	1	c	53	75	6	4	—	—	9+	9+	4000	1	*
S. Farnborough	997.3	+6	S	1	zo	52	85	6	5	2	—	9	9+	4000	1	*
Boscombe Down	996.8	+8	S'W	3	c	51	85	7	8	7	5	4-6	9	1500	1	*
Calshot (Soton.)	996.4	+2	E'S	2	zo	51	92	7	8	4	9	2-3	9	2500	1	1
Lympne	999.2	+2	SE'E	1	c/pr	48	85	8	8	6	—	7-8	9	4000	1	§ 1
Manston	998.3	+10	S	2	c/pr	53	75	7	5	7	—	7-8	9+	5700	1	*
Shoeburyness	998.3	+8	W	2	c/pr	54	85	7	4	3	—	4-6	9+	2500	1	*
Felixstowe	998.3	+12	NW	2	c/pr	49	92	6	6	2	—	9	10	1500	1	2
Gorleston	999.0	+12	NE'N	3	rr	44	97	6	6	—	—	10	10	1500	1	2
Mildenhall	998.1	+10	NE	3	rr	46	97	6	5	2	—	2-3	10	1500	1	*
Cranwell	999.1	+10	NE'E	2	c	41	85	7	5	7	—	4-6	10	4000	1	*
Birmingham	999.3	+16	NNE	3	m/r	41	97	4	5	—	—	10	10	800	1	*
Upper Heyford	997.9	+10	NE	2	c/r	47	92	6	5	3	3	7-8	9+	1500	1	*
Ross-on-Wye	997.0	+12	NE'E	3	m/d	46	92	4	6	—	—	9+	9+	800	1	*
Hartland Point	995.0	+8	NE	3	c	47	97	8	8	6	—	4-6	7-8	800	1	2
Bristol	996.1	+6	S	3	c	52	75	8	8	7	8	4-6	7-8	2500	1	*
Portland Bill	996.8	+14	SE	2	c	48	92	8	5	—	—	10	10	2500	1	3
Plymouth	995.4	+12	E	1	c/r	49	85	8	—	2	—	10	10	1500	1	1
The Lizard	994.0	+8	E'S	1	c	51	92	7	8	2	—	7-8	9+	1500	1	2
Scilly (St. Mary's)	992.8	+8	ESE	3	iro	51	97	7	8	2	—	7-8	10	1500	1	2
Guernsey	995.1	+2	—	0	c	53	85	7	5	3	—	7-8	9	2500	1	2
Pembroke	995.8	+12	NE'E	2	c	48	92	7	8	7	—	7-8	9	1500	1	1
Holyhead	998.8	+14	NNE	4	bc	43	65	8	—	4	8	0	2-3	—	1	3
Chester (Sealand)	999.2	+14	—	0	m	45	85	4	5	—	—	10	10	4000	1	*
Manchester	999.0	+12	E	1	m	46	65	4	—	3	—	0	9+	—	1	*
Spurn Head	999.4	+12	ENE	1	c	41	75	7	5	—	—	10	10	4000	1	0
Catterick	999.1	+18	NNE	2	b	48	55	7	1	—	—	1	1	2500	1	*
Tynemouth	998.6	+14	NE	3	bc	46	65	8	2	3	—	4-6	4-6	2500	1	2
St. Abbs Head	998.8	+6	NNW	5	c	43	65	9	3	4	9	2-3	7-8	1500	0	3
Leuchars	999.2	+22	NW	5	bc	45	65	8	8	6	—	2-3	4-6	4000	1	*
Renfrew (AbbotsI.)	999.9	+16	NNE	1	bc	49	55	8	4	3	—	4-6	4-6	4000	0	*
Eskdalemuir	999.4	+14	N'E	3	bc	44	45	8	7	—	1	2-3	2-3	2500	1	*
Point of Ayre	999.7	+6	N'W	3	b	46	85	8	—	—	—	0	0	—	0	1
Tiree	1002.8	+16	N	5	bc	43	85	8	8	6	—	2-3	4-6	2500	0	4
Stornoway	1003.5	+14	NNW	5	c/phr	39	75	8	8	7	—	7-8	9	2500	1	3
Dalwhinnie	1001.7	+20	N	4	c	38	65	8	5	4	—	4-6	7-8	4000	0	*
Aberdeen	998.5	+32	NW'N	5	c/pr	41	75	7	9	3	1	7-8	7-8	1500	1	2
Wick	998.6	+18	N	8	c	41	75	7	5	7	—	4-6	9+	1500	1	3
Lerwick	993.7	+10	NE	6	rr	40	85	7	6	2	—	4-6	10	800	1	*
Blacksod Point	1003.0	+20	NE	6	bc	46	75	8	2	—	—	2-3	2-3	4000	0	4
Malin Head	1003.0	+10	N	5	bc	44	75	8	—	5	—	0	4-6	—	0	3
Aldergrove	1000.7	+16	N'E	4	bc	46	55	8	1	—	—	2-3	2-3	2500	1	*
Birr Castle	999.1	+12	NE	2	bc	49	55	8	2	—	—	4-6	4-6	2500	1	*
Valentia Obsy.†	997.8	+18	NE	5	bc	50	45	8	7	—	—	4-6	4-6	2500	1	3
Roches Point	997.2	+22	E'N	3	c/pr	47	85	9	8	7	—	4-6	9	1500	1	4

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)	cmocPRc	cpccmo	crocrorocc	cmrcrro
Croydon	iroidopro	cpro	cprom	rormmo
S. Farnborough	ciroPRmo	cPRcmo	cmo	crorrodoc
Boscombe Down	prrororr	crrciroc	ciro crorо	crorомо
Calshot (Soton.)	ciromo	ciromoc	cbccirodr	circ
Lympne	cmopro	cprobcpc	cPRRrr	crobcfom
Manston	cmoc	cbcpro	cRRPR	ododomo
Shoeburyness	cmprc	cprc	c	ciroc
Felixstowe	cmocpcmo	cprcPR	cprocmo	orrmociro
Gorleston	omdczo	otrrorr	oriroc	c
Mildenhall	c,crorom	cmirocrr	crrroromoiro	ciromoc
Cranwell	odddomo	crriroc	crorоidoc	bccmow
Birmingham	frorm	mroro	oc	cm
Upper Heyford	crocmocr	ccrrroc	ccrrro	ccroror
Ross-on-Wye	dodobcPor	coRcmdo	mmrororoo	coro
Hartland Point	crr	rrircp	croro	roroc
Bristol	cproc	crcbc	bccror	crRRir
Portland Bill	cpr	cpr	orr	rro
Plymouth	czocproc	cirororoc	crororoc	c
The Lizard	prcbc	Prbcc	cproc	corr
Scilly (St. Mary's)	crrc	ciro	oroc	idororo
Guernsey	cir	cprc	corrc	ciro
Pembroke	cmirrocc	rrmoc	cmobcproc	cproq
Holyhead	c,bc	bc,b	bw	bwmo
Chester (Sealand)	ododorocmf	m odom	mocbmf,mxw	bxwm
Manchester	roromf	czzozy	cfzbff	bfbzox
Spurn Head	c	c	cbcwm	mcbcw
Catterick	bcbcy	bcyby	ybbczo	bczobx
Tynemouth	bcc	cbc	bc	bc
St. Abbs Head	c	c	b	bbcc
Leuchars	bxbcc	cbc	bcbxb	bbc
Renfrew (AbbotsI.)	bxbcy	bccbcy	ymobcb	bx
Eskdalemuir	bxbcy	bccyby	byb	bbcx
Point of Ayre	bcb	b	b	c
Tiree	bc	bc	bc	bc
Stornoway	cproy	cyphro	cphro	cphro
Dalwhinnie	cisiro	ciro	*	cissL
Aberdeen	rosopro	cprs	bccpro	c
Wick	cirsq	cprc	cprqc	phrsc
Lerwick	cprrrq	crr	crrc	c
Blacksod Point	bcq	bcq	bcq	proсq
Malin Head	bc	bc	bc	bc
Aldergrove	bxbcy	bcy	bwx	bbcx
Birr Castle	cbc	bc	bcb	bx
Valentia Obsy.†	c	cy	bcb	bwb
Roches Point	roroiroc	cproc	cproc	cbcb

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.*

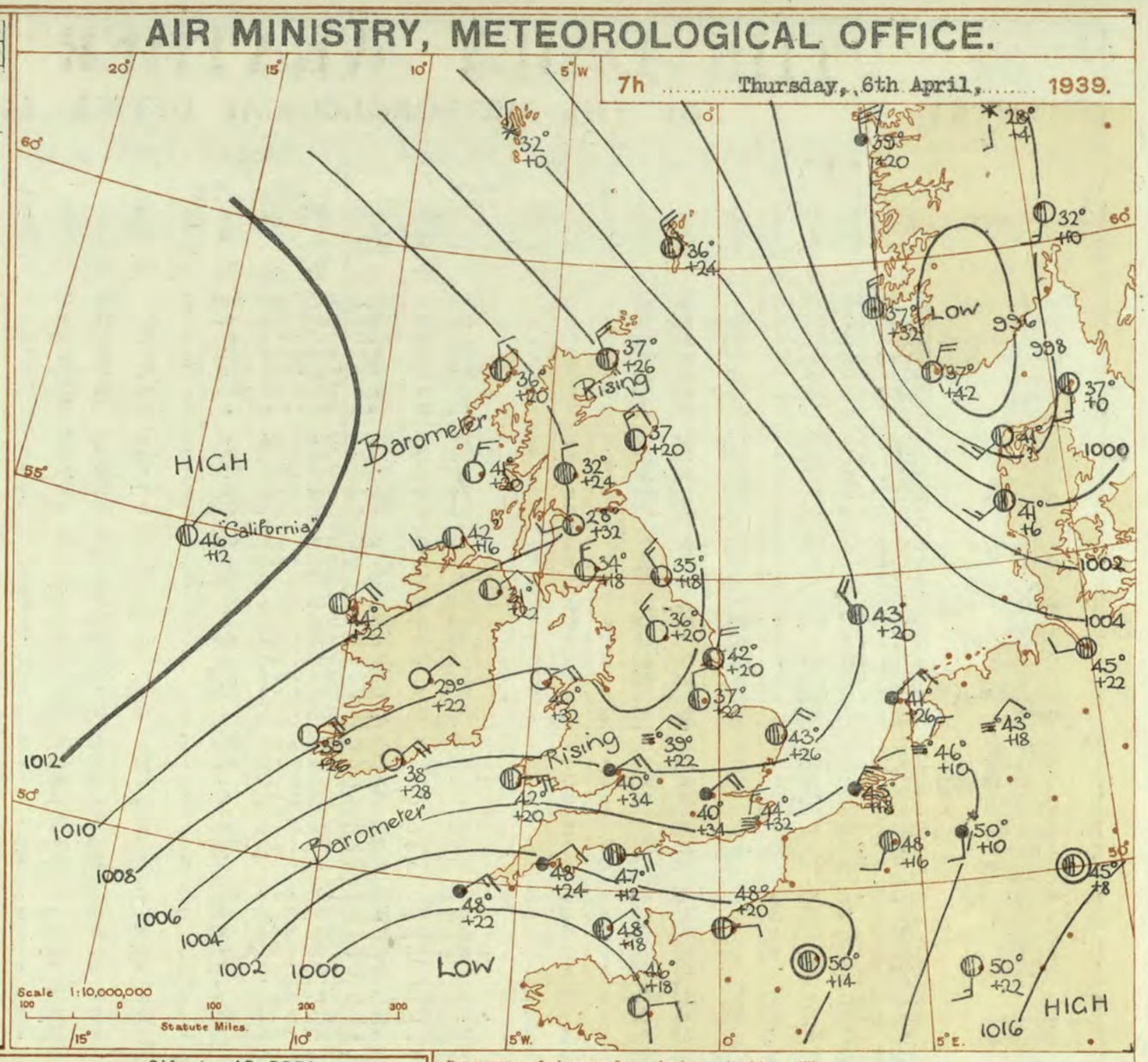
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 5th April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	oc	cbc	41	56	Trace	—	2.6	2.8
	Bournemouth	cpcp	cpc	46	54	1	2	0.6	3.7
	Ventnor ...	popc	opc	45	53	0.3	1	1.4	4.5
	Southsea ...	op	opoc	46	54	0.6	1	1.3	4.5
	Bognor Regis	bcpr	bcobc	46	51	1	Trace	1.4	5.7
	Littlehampton	bcpc	cbc	46	52	1	0.3	1.8	4.8
	Worthing ...	cp	cbcc	46	52	1	0.5	2.4	4.6
	Brighton ...	ber	rbbc	47	52	0.3	Trace	1.6	4.3
	Eastbourne† ...	circ	circ	45	54	1	0.5	1.2	4.3
	Hastings† ...	cbecp	bcpc	45	53	1	0.5	2.1	3.3
	Folkestone ...	bccpc	cbc	43	55	—	Trace	2.3	5.0
	Dover ...	bc	bcpc	45	54	—	Trace	2.8	5.5
	Deal	cbcc	bcc	44	58	—	—	5.6	5.2
	Ramsgate ...	cbc	bcc	44	56	—	—	3.6	4.7
	Margate ...	bc	bc	44	58	—	—	5.6	5.5
2	Southend ...	c	cpbcc	43	54	Trace	0.5	2.2	1.8
	Clacton-on-Sea	cbc	bcpc	42	54	—	0.2	4.2	2.3
	Dovercourt ...	bcc	pbcc	43	55	—	Trace	2.5	3.8
	Lowestoft ...	cbcc	ctlR	43	54	1	7	0.5	2.5
	Skegness ...	orso	orso	40	43	2	0.5	0.0	0.0
	Mablethorpe...	oro	oro	39	43	2	1	0.0	0.0
	Cleethorpes ...	cbc	bcc	39	44	3	—	0.0	0.0
3	Leamington S.	o	op	43	49	5	1	0.0	1.9
4	Cheltenham†	ocor	corr	44	53	3	10	0.8	3.6
5	Bath	crbc	rc	46	57	8	2	0.5	1.1
	Weymouth ...	cbrc	c	47	53	1	1	1.5	5.3
	Jersey ...	pcbc	bcpc	47	60	3	3	4.4	6.4
	Torquay ...	cpobc	bccop	48	52	1	0.3	1.7	4.4
	Falmouth	bcpbc	b	47	54	Trace	—	4.6	5.6
	Penzance ...	rcbc	bc	48	55	2	0.3	4.3	5.8
	St. Ives ...								
	Bude... ...	cbcpc	cbcc	46	56	1	2	4.8	4.1
	Ilfracombe ...	rocbc	tlhbc	48	58	2	10	3.4	6.2
6	Aberystwyth	prc	prc	44	52	0.5	3	0.0	2.0
7	Llandudno ...	o	pocbc	37	44	2	Trace	0.3	0.0
	Colwyn Bay...	oop	ocbc	38	44	3	Trace	0.3	0.0
	Rhyl	omodo	mobc	38	45	1	0.1	0.1	0.0
8	Wallasey ...	odo	oc	36	46	1	0.3	0.3	0.0
	Southport ...	rsocz	czbc	34	47	10	—	0.4	0.0
	Blackpool ...	cpoc	bcbm	35	46	10	Trace	2.6	0.0
	Morecambe ...	bc	b	35	47	6	—	7.1	0.0
9	Ilkley... ...	orsc	c	34	45	4	0.3	0.5	0.0
	Harrogate ...	orsc	cb	33	45	5	0.1	1.6	0.0
10	Berwick-on-T.	bbcc	cbcc	32	49	—	—	6.3	5.6
11	Dunbar ...	bcx	bcm	36	49	—	—	5.8	7.2
12	Troon... ...	bcb	bcbbc	29	49	—	—	10.3	8.7
	Douglas ...	b	b	36	50	3	—	10.0	0.0

† 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. 6th April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Wind northeast moderate; cloudy with rain at first, fair later; cold with frost at night.
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 northerly, light or moderate; fair or fine; cold with frost at night.

GENERAL INFERENCE.

A depression over the Bay of Biscay is almost stationary and a weak anticyclone is centred to the West of the Hebrides. The weather will be mainly fair and cold in Scotland, Ireland and the north of England. The belt of rain over the south of England will persist most of to-day and will then disperse.

FURTHER OUTLOOK.

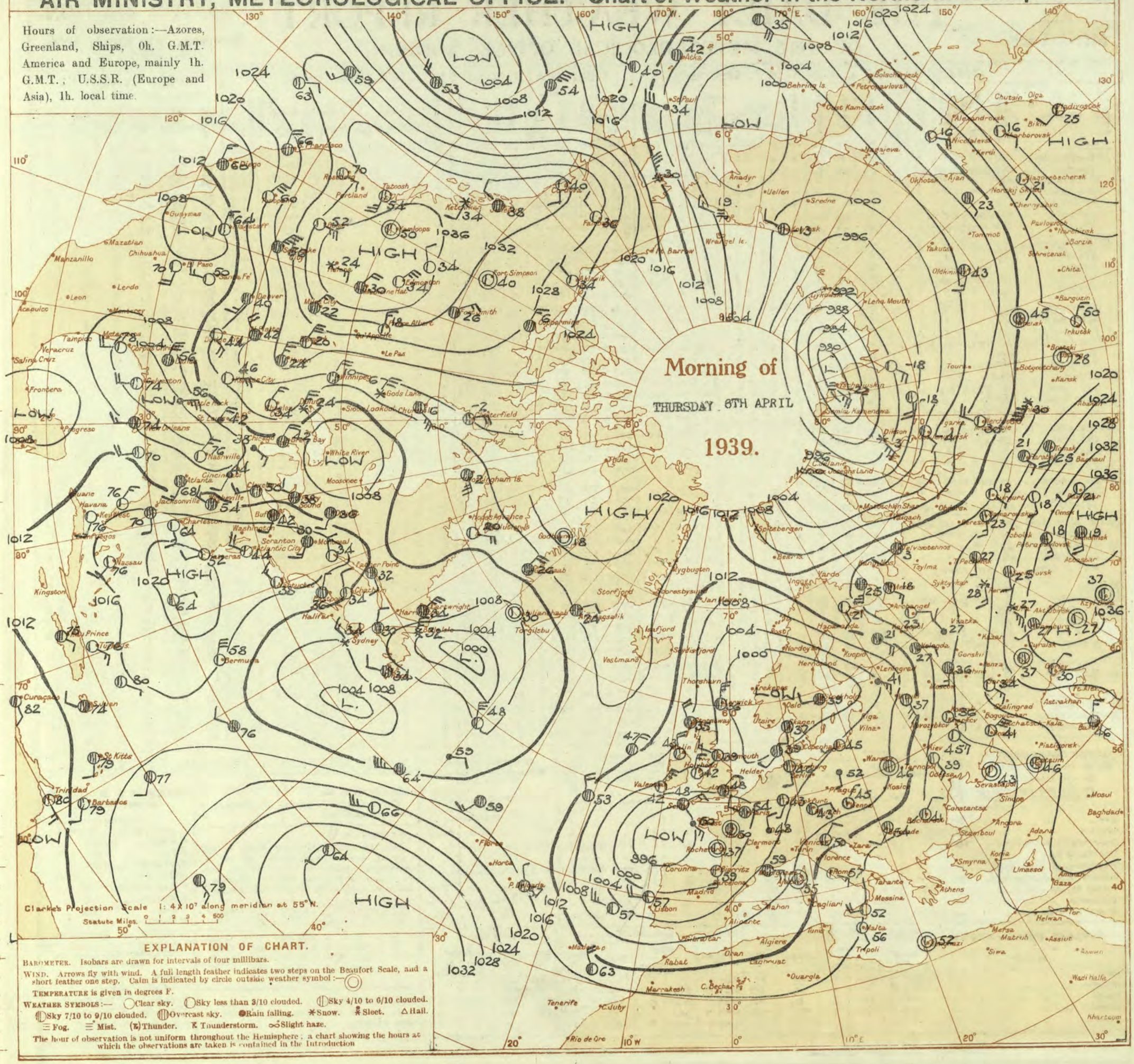
None issued.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G 465, 3670 m. 8109 D 4626. Gp. 948 35400 4/39.

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

Thursday, 6th April, 1939.
No. 28259.

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

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	1000.6	+10	NE	2	z₀	48	85	6	5	-	-	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1001.6	+4	E'S	2	ir₀	46	85	6	5	7	-	7-8	10	2500
	Manston ...	154	1000.8	+2	ENE	1	c/pr	46	92	8	8	3	-	4-6	9	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1002.9	+10	ENE	3	c	41	92	7	5	-	-	10	10	2500
	Mildenhall ...	19	1002.6	+16	NE'E	2	c/r	41	92	6	5	-	-	10	10	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	998.4	+16	ENE	3	r₀r₀	47	92	7	6	2	-	7-8	10	800
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	998.4	+14	E	3	rr	47	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	997.3	+14	NE	2	c	48	97	8	8	2	-	7-8	9+	2500
	Scilly (St. Mary's)	163	997.1	+8	ENE	3	cjp	48	97	7	8	6	-	4-6	9+	1500
	Guernsey ...	175	996.8	+14	NE	1	c	48	92	9	-	3	-	0	7-8	-
6	Pembroke ...	142	1000.4	+12	E'N	4	c/pr	45	85	6	5	-	-	10	10	1500
7	Holyhead ...	26	1003.2	+8	NNE	3	b	42	85	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1003.6	+8	N'W	2	m	37	92	4	-	8	-	0	1	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1004.3	+8	NW	3	bc	39	75	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1004.4	+8	NW	4	bc	39	75	8	4	6	-	1	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1004.1	+26	E'N	3	b	43	92	7	-	-	-	0	0	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1008.6	+12	NNW	3	c/phr	35	85	7	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1004.2	+22	NNW	6	c	39	75	7	5	7	-	7-8	9+	1500
16	Lerwick ...	156	1001.3	+29	N	5	c	36	85	8	8	3	-	4-6	7-8	1500
17	Blacksod Point	18	1007.9	+16	NE	6	bc	44	85	8	2	4	-	2-3	4-6	4000
18	Malin Head ...	84	1007.0	+8	N	4	bc	43	65	8	-	3	-	0	2-3	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1004.5	+10	NE'N	5	b	42	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 6th 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)	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)	1005.3	+30	NE	3	r₀r₀	41	85	6	6	2	-	7-8	10	1500	1	*
Croydon	1005.1	+34	NE'E	4	r₀r₀	40	92	6	6	2	-	9	10	800	1	*
S. Farnborough	1004.6	+28	NE'E	3	c/d	41	92	7	5	2	-	9+	10	450	1	*
Boscombe Down	1004.3	+38	NE	3	r₀r₀	42	97	6	6	2	-	9	10	800	1	*
Calshot (Sthmtn.)	1003.1	+30	NE'N	3	z₀	47	97	6	-	2	-	10	10	800	1	2
Lympne	1009.8	+32	NNE	3	~	44	97	4	5	-	-	10	10	<150	1	§2
Manston	1004.3	+26	NE'N	3	d₀d₀	43	97	6	5	-	-	10	10	450	1	*
Shoeburyness	1005.2	+36	NNE	4	c	42	85	8	5	3	-	1	10	1500	1	*
Felixstowe	1005.1	+24	NE'N	3	ir₀	41	85	7	5	7	-	4-6	9+	2500	1	2
Gorleston	1006.5	+26	NE'N	4	c	43	85	7	5	-	-	9	9	2500	1	2
Mildenhall	1006.1	+22	NE'N	2	c	41	92	7	5	2	-	10	10	4000	1	*
Cranwell	1007.2	+22	N	2	z₀	37	92	6	5	7	-	2-3	9+	5700	1	*
Birmingham	1007.0	+22	NE	4	m	39	75	4	5	3	-	4-6	9+	800	1	*
Upper Heyford	1006.7	+32	NE'E	2	rr	39	85	6	5	-	-	10	10	1500	1	*
Ross-on-Wye	1006.8	+34	NE'E	3	r₀r₀	40	75	6	6	-	-	10	10	1500	1	*
Hartland Point	1002.4	+26	ENE	4	c	44	92	8	6	7	-	7-8	9+	800	1	3
Bristol	1005.9	+38	NE	4	ir	40	92	6	5	2	-	7-8	10	800	1	*
Portland Bill	1001.4	+12	E	4	c	47	92	7	5	-	-	10	10	1500	1	3
Plymouth	1002.0	+20	NE	1	pr	48	92	8	9	7	-	4-6	9+	1500	1	1
The Lizard	1001.1	+24	NE'E	2	rr	48	97	6	5	-	-	10	10	1500	1	2
Scilly (St. Mary's)	1000.6	+22	NE'E	3	r₀r₀	48	97	7	6	2	-	7-8	10	1500	1	2
Guernsey	1000.6	+18	SNE	1	c/r	48	92	9	5	3	-	4-6	9+	2500	1	2
Pembroke	1004.7	+20	E	5	c/pr	42	85	7	8	-	-	9+	9+	1500	1	2
Holyhead	1007.5	+32	ENE	4	b	40	85	5	-	-	-	0	0	-	1	2
Chester (Sealand)	1008.4	+30	=	0	m	40	85	4	-	7	-	0	2-3	-	1	*
Manchester	1008.3	+24	NE'E	3	z₀	38	75	6	-	3	-	0	1	-	1	*
Spurn Head	1006.6	+20	NNE	4	bc	42	86	7	-	6	-	0	4-6	-	1	3
Catterick	1009.0	+20	NW	3	bc	36	75	7	5	4	-	2-3	2-3	2500	1	*
Tynemouth	1008.1	+18	NW	3	bc	35	75	6	2	-	-	2-3	2-3	2500	1	2
St. Abbs Head	1009.0	+16	N	6	c	39	65	9	8	4	9	4-6	7-8	2500	0	4
Leuchars	1009.4	+24	WNW	2	bc	35	85	8	7	4	-	4-6	4-6	4000	0	*
Renfrew (Abbots I.)	1011.7	+32	WSW	1	bc	28	92	8	5	5	-	2-3	4-6	4000	3	*
Eskdalemuir	1009.8	+18	N	3	bc	34	75	8	5	-	-	2-3	[illegible]	4000	3	*
Point of Ayre	1009.1	+20	E'N	4	c	41	85	8	-	3	-	0	9+	-	0	2
Tiree	1010.9	+20	N'E	3	bc	41	85	8	8	-	-	4-6	4-6	2500	0	3
Stornoway	1011.7	+20	N	2	c	36	75	8	5	-	-	7-8	7-8	4000	1	1
Dalwhinnie	1011.3	+29	N	2	c	32	75	8	5	-	-	10	10	4000	4	*
Aberdeen	1008.4	+20	NNW	3	c	37	85	8	7	-	-	9+	9+	2500	1	1
Wick	1008.7	+26	NNW	4	c	37	75	8	5	7	-	7-8	9+	1500	1	2
Lerwick	1005.5	+24	NNW	4	c	36	75	8	8	3	-	4-6	7-8	800	1	*
Blacksod Point	1011.4	+22	NE	4	c	44	85	8	5	-	-	7-8	7-8	2500	1	3
Malin Head	1010.6	+16	WSW	3	bc	42	65	8	-	4	1	0	2-3	-	0	2
Aldergrove	1009.6	+22	NE	2	bc	31	97	8	1	8	-	2-3	4-6	2500	1	"
Birr Castle	1009.0	+22	NE	1	b	29	97	8	-	-	-	0	0	-	1	*
Valentia Obsy. †	1009.4	+26	NE	4	b	39	75	8	1	-	-	1	1	1500	1	2
Roches Point	1006.6	+28	NE	4	b	38	85	8	-	-	-	0	0	-	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 5th Hrs. (36)
London (Kew)	55	40	39	4	5	2.1
Croydon	56	40	39	1	2	1.1
S. Farnborough	54	41	40	1	2	1.5
Boscombe Down	53	41	39	2	7	0.7
Calshot (Sthmtn.)	52	45	43	1	2	0.6
Lympne	56	44	42	0.1	13	2.4
Manston	57	42	42	Tr	13	3.4
Shoeburyness	58	41	40	1	0.3	3.6
Felixstowe	53	40	38	3	2	2.9
Gorleston	50	41	40	6	1	0.1
Mildenhall	51	41	40	3	2	0.1
Cranwell	43	36	33	2	0.4	0.1
Birmingham	48	38	38	6	-	0.0
Upper Heyford	54	38	38	8	4	*
Ross-on-Wye	51	39	37	13	4	0.6
Hartland Point	55	44	43	7	7	4.3
Bristol	56	40	39	1	9	2.9
Portland Bill	49	45	*	0.1	6	*
Plymouth	54	48	45	1	1	1.7
The Lizard	55	46	*	2	5	5.3
Scilly (St. Mary's)	55	47	*	2	1	2.8
Guernsey	55	47	43	2	2	2.6
Pembroke	52	41	*	6	0.5	0.3
Holyhead	44	39	33	—	-	6.3
Chester (Sealand)	45	33	26	0.2	Tr	0.0
Manchester	46	32	24	0.6	-	0.1
Spurn Head	44	36	*	—	Tr	0.0
Catterick	52	32	26	—	-	8.5
Tynemouth	49	35	31	—	-	8.0
St. Abbs Head	46	37	*	—	-	*
Leuchars	50	29	19	—	-	7.7
Renfrew (Abbots I.)	51	26	21	—	-	8.8
Eskdalemuir	49	29	26	—	-	10.5
Point of Ayre	51	41	*	—	-	11.4
Tiree	47	39	37	—	-	10.0
Stornoway	47	34	*	Tr	Tr	5.5
Dalwhinnie	43	30	26	Tr	0.3	3.0
Aberdeen	44	36	33	1	Tr	9.6
Wick	44	34	*	3	0.2	*
Lerwick	43	33	*	4	0.5	0.0
Blacksod Point	48	41	*	—	Tr	*
Malin Head	46	38	*	—	-	10.1
Aldergrove	49	27	19	—	-	11.9
Birr Castle	51	28	22	—	-	9.5
Valentia Obsy. †	51	36	27	—	Tr	3.0
Roches Point	49	38	*	1	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	cm₀cRc	cpr₀cm₀	cr₀crrr₀	55	40	39	4	5	2.1	*	*	5
Croydon	217	ir₀id₀pr₀	cpr₀	cpr₀m₀m₀	56	40	39	1	2	1.1	*	*	6
Greenwich (Royal Observatory)	149	cpc	cpr₀c	crdcr₀r₀	58	40	39	1	2	1.5	74	89	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.2	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	41	39	6		1.4	71	87	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	56	40	39	0.3	8	0.6	79	91	*
Camden Square	110	bc	c	*	57	41	40	0.3	12		*	91	*
Kensington	80	cr	bc	*	57	40	40	0.1	6	1.2	At 18h. 74	91	*
Hampstead Observatory ‡	450	orbc	or	or	54	37	36	4	7	0.8	*	97	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
Defective		record	

Kew Observatory Max.	Time.	Min.	Time.
0.2	20-21h 5th	<0.1	2-5h 6th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 6th April 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	998.2	SE	2	cjp	61	1001.9	-	0	c	50	64	48	-	1
Brussels	999.9	SSW	2	c	54	1002.4	SSW	2	c	49	54	45	-	-
Berlin	1003.2	SSW	2	bc	52	1005.9	SSE	2	c/f	46	55	39	4	-
Zürich	1005.9	NE	1	c	48	1008.4	SW	1	m	45	55	45	5	0.1
Rome						1014.4	SE	4	bc	67	*	*		-

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, 7th April, 1939.
No. 28260

OBSERVATIONS at 13h. G.M.T. 6th 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)	°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)...	1009.2	+16	NE'N	4	pr	45	75	5	5	-	-	10	10	2500
	Croydon	1009.0	+18	NE'E	4	c/pr	43	92	6	9	-	-	9	10	1500
	S. Farnborough	1008.8	+14	NE'E	3	c/d	43	75	6	5	2	-	9	10	1500
	Boscombe Down	1008.5	+18	NE	4	c/r	43	85	7	5	2	-	7-8	10	800
	Calshot (Soton.)	1007.7	+22	NE'N	4	z_0	45	85	6	5	-	-	10	10	1500
	Lympne ...	1009.0	+18	NE'N	5	c	43	85	7	5	2	-	7-8	10	800
	Manston ...	1008.7	+22	NE'N	4	c	43	85	7	5	-	-	7-8	10	800
2	Shoeburyness ...	1009.1	+20	NE'N	4	c	44	75	8	6	7	-	9+	10	2500
	Felixstowe ...	1008.9	+14	ENE	4	c	45	75	7	5	7	-	4-6	10	2500
	Gorleston ...	1008.9	+10	NE'N	4	c	46	75	7	5	7	-	2-3	10	2500
	Mildenhall ...	1009.6	+14	NNE	4	c	45	75	8	5	7	-	7-8	10	1500
	Cranwell ...	1010.6	+14	NNE	3	c	47	65	8	4	-	-	9+	9+	4000
3	Birmingham ...	1010.6	+12	NNE	3	c	45	65	5	7	1	-	4-6	9+	2500
	Upper Heyford	1009.9	+10	NE	3	c	44	75	8	5	7	-	4-6	10	1500
4	Ross-on-Wye ...	1009.8	+10	ENE	3	c	45	65	7	9	2	-	4-6	10	2500
5	Hartland Point	1006.5	+16	NE	5	c	43	92	7	8	-	-	9+	9+	800
	Bristol	1009.4	+12	NE'E	4	z_0	43	85	6	5	7	-	7-8	10	1500
	Portland Bill ...	1008.2	+20	ENE	5	id_0	45	92	7	5	-	-	10	10	1500
	Plymouth ...	1006.4	+22	NE	2	r_0r_0	45	92	6	-	2	-	10	10	800
	The Lizard ...	1005.3	+20	ENE	4	rr	49	97	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	1005.2	+20	NE	6	r_0r_0	48	97	6	6	2	-	7-8	10	1500
	Guernsey ...	1004.1	+20	NE'E	5	c/pr	50	92	6	5	4	-	7-8	10	2500
6	Pembroke ...	1009.5	+14	E'S	4	z_0	48	75	6	8	7	-	7-8	9+	1500
7	Holyhead ...	1011.4	+18	N'E	4	b	47	65	7	1	-	-	Tr	Tr	2500
	Chester (Sealand)	1011.1	+10	NNE	2	z_0	51	45	6	2	-	-	7-8	7-8	2500
8	Manchester ...	1011.0	+10	NE	3	bc	48	45	7	7	-	-	4-6	4-6	5700
10	Spurn Head ...	1010.8	+14	NNE	4	c	47	75	7	8	8	-	4-6	7-8	4000
	Catterick ...	1011.9	+16	NNE	3	z_0	43	65	6	5	-	-	9+	9+	5700
	Tynemouth ...	1011.7	+12	N	4	bc	42	65	8	8	-	-	4-6	4-6	2500
11	St. Abbs Head...	1012.5	+14	N	4	c	39	65	8	8	2	-	7-8	9+	2500
	Leuchars ...	1012.8	+16	N	3	c	43	65	8	8	-	-	9+	9+	2500
12	Renfrew (AbbotsI.)	1013.3	+10	NE'N	3	c	45	45	9	7	-	-	9+	9+	4000
	Eskdalemuir ...	1012.8	+14	NNE	3	c	41	45	8	7	-	-	10	10	2500
	Point of Ayre ...	1012.7	+10	E	2	c	47	65	8	-	7	-	0	7-8	-
13A	Tiree	1013.6	+6	N'E	2	bc	45	65	8	1	4	-	2-3	2-3	4000
13B	Stornoway ...	1013.5	+10	W	2	c/rdh	46	55	8	5	-	-	9+	9+	2500
15	Dalwhinnie ...	*	+6	N	3	c	39	55	8	5	-	-	9+	9+	4000
	Aberdeen ...	1012.4	+14	N	3	c	42	55	7	8	-	-	9+	9+	2500
	Wick	1011.7	+20	N	4	c	44	55	8	7	6	-	4-6	7-8	2500
16	Lerwick... ...	1009.5	+18	NW	4	c	41	55	8	5	9	-	4-6	7-8	1500
17	Blacksod Point...	1013.7	+12	NE	3	bc	49	85	9	2	-	-	4-6	4-6	4000
18	Malin Head ...	1013.6	+8	N	2	c	45	65	8	7	4	8	2-3	7-8	5700
	Aldergrove ...	1012.6	+10	-	0	c	47	45	9	5	-	-	9	9	2500
19	Birr Castle ...	1011.2	+16	N	2	c	50	65	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.†	1012.3	+10	NNE	5	b	49	55	9	1	-	-	Tr	Tr	2500
	Roches Point ...	1010.4	+16	NE	3	bc	54	65	8	1	-	-	4-6	4-6	2500

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

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)...	1011.4	+16	NE	3	z_0	46	65	5	5	-	-	10	10	1500	1	*
	Croydon	1010.6	+10	NE'E	4	z_0	45	75	6	9	7	-	7-8	9+	2500	1	*
	S. Farnborough	1010.7	+14	NE	3	z_0	45	75	6	5	-	-	10	10	2500	1	*
	Boscombe Down	1010.6	+10	NE'E	4	c	44	75	7	5	3	-	9	10	1500	1	*
	Calshot (Soton.)	1009.5	+10	NE'N	4	z_0	46	75	6	5	2	-	9+	10	4000	1	1
	Lympne ...	1010.7	+16	NNE	5	c	43	85	6	5	7	-	7-8	9+	800	1	§2
	Manston ...	1010.9	+14	NNE	4	c	43	85	6	5	3	-	9	9+	800	1	*
2	Shoeburyness ...	1011.2	+16	NE'N	3	c	44	85	8	7	7	-	1	9+	2500	1	*
	Felixstowe ...	1011.2	+8	NE	3	c	44	75	7	5	-	-	9+	10	5700	1	2
	Gorleston ...	1011.5	+16	NNE	4	c	44	85	7	5	3	-	1	7-8	2500	2	2
	Mildenhall ...	1011.6	+8	NNE	4	c	45	75	8	8	7	1	4-6	7-8	2500	1	*
	Cranwell ...	1012.8	+14	NNE	3	c	43	75	8	8	-	3	9	9	4000	1	*
3	Birmingham ...	1012.0	+12	ENE	3	c	45	65	6	5	3	-	4-6	7-8	2500	1	*
	Upper Heyford	1011.6	+10	ENE	3	c	45	75	8	5	7	-	2-3	9	1500	1	*
4	Ross-on-Wye ...	1011.5	+10	NE'E	2	c	45	75	8	5	1	-	9	9+	2500	1	*
5	Hartland Point	1009.9	+12	NE	3	c/r	44	92	7	5	2	-	9+	10	800	1	3
	Bristol	1011.2	+10	NE'E	3	z_0	45	65	6	5	7	-	4-6	10	4000	1	*
	Portland Bill ...	1009.0	+12	ENE	4	o	45	92	7	5	-	-	10	10	1500	1	3
	Plymouth ...	1009.5	+18	NNE	2	c	46	85	8	8	-	-	9+	9+	1500	1	1
	The Lizard ...	1008.2	+10	E'N	5	c	45	92	8	8	2	-	7-8	9	1500	1	2
	Scilly (St. Mary's)	1008.8	+20	E'N	3	r_0r_0	47	97	6	6	2	-	7-8	10	1500	1	2
	Guernsey ...	1006.7	+20	NE	5	o	46	92	7	5	-	-	10	10	2500	1	3
6	Pembroke ...	1011.7	+12	SSE	2	c/r	43	85	7	8	2	-	7-8	10	1500	1	2
7	Holyhead ...	1013.5	+14	NNW	4	b	44	65	8	1	-	-	Tr	Tr	2500	1	2
	Chester (Sealand)	1013.2	+18	NNW	2	c	44	65	8	5	-	-	9	9	4000	1	*
8	Manchester ...	1013.0	+18	NE'E	3	z_0	45	55	6	7	-	-	9+	9+	5700	1	*
10	Spurn Head ...	1013.0	+12	N'E	4	bc	43	75	7	-	8	-	0	4-6	-	0	3
	Catterick ...	1014.0	+14	N'E	2	c	41	65	7	5	-	-	9+	9+	5700	1	*
	Tynemouth ...	1014.1	+14	N	3	c	41	75	8	8	-	-	9+	9+	2500	1	2
11	St. Abbs Head...	1014.6	+8	N	2	c	40	55	8	3	1	-	7-8	9+	2500	0	2
	Leuchars ...	1014.5	+14	SE	2	bc	42	65	8	5	-	-	4-6	4-6	2500	0	*
12	Renfrew (AbbotsI.)	1015.0	+10	ESE	1	c	45	55	8	5	-	-	9+	9+	5700	0	*
	Eskdalemuir ...	1014.9	+14	NNE	2	c	39	55	8	7	-	-	10	10	1500	1	*
	Point of Ayre ...	1014.5	+10	N'E	2	bc	44	75	8	-	3	-	0	4-6	-	0	2
13A	Tiree	1015.0	+6	NWN	1	b	44	65	8	1	-	-	Tr	1	4000	0	1
13B	Stornoway ...	1013.6	+2	WSW	4	bc	45	55	9	5	4	-	4-6	4-6	4000	0	2
15	Dalwhinnie ...	1014.8	+12	SE	2	b	42	55	8	4	6	-	Tr	1	4000	0	*
	Aberdeen ...	1014.6	+14	N'W	2	b	44	55	8	7	-	-	1	1	2500	1	1
	Wick	1013.2	+4	NW	3	bc	44	65	8	5	4	-	2-3	4-6	2500	1	1
16	Lerwick... ...	1009.8	-6	W	5	c/r	39	85	8	8	7	-	4-6	7-8	800	1	*
17	Blacksod Point...	1015.0	+6	N'E	3	bc	47	75	9	3	-	-	2-3	2-3	4000	0	3
18	Malin Head ...	1015.2	+8	N'E	1	bc	43	55	8	7	-	-	2-3	2-3	5700	0	0
	Aldergrove ...	1014.7	+16	E	2	c	43	55	9	5	-	-	9	9	7200	1	*
19	Birr Castle ...	1012.9	+10	NNE	1	c	49	65	7	8	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.†	1014.4	+12	NNE	4	b	49	55	9	1	-	-	Tr	Tr	2500	1	2
	Roches Point ...	1013.1	+20	NE	3	c	48	75	8	5	-	-	7-8	7-8	2500	1	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. ...6th... (37)	Weather 13h.—18h. ....6th.. (38)	Weather 18h. 6th to 1h...7th.. (39)	Weather 1h.—7h. ...7th... (40)
1	London (Kew)...	$cir_0pr_0z_0$	cz_0	$cbcz_0$	$cbcbm_0$
	Croydon	$r_0r_0m_0pr_0$	cm_0pr_0	$cz_0m_0bcm_0$	cm_0bc
	S. Farnborough	cid_0cm_0	cz_0	cz_0bcc	c,bbc
	Boscombe Down	$cr_0r_0m_0c$	c	c	$cbcbm_0w$
	Calshot (Soton.)	ocm_0	cm_0	$cbcm_0$	$cbcm_0$
	Lympne ...	$omfcm_0$	cm_0	cm_0bcc	c
	Manston ...	$od_0d_0id_0$	ccm_0	bcc	c
2	Shoeburyness ...	cir_0c	c	cbc	bcw
	Felixstowe ...	$or_0r_0cir_0c$	c	lcb	bxb
	Gorleston ...	cpr_0c	c	cbc	bcc
	Mildenhall ...	c	c	bcb	bbm_0wbm_0x
	Cranwell ...	cm_0wcbc	c	$cbcbwm_0$	$bbcm_0x$
3	Birmingham ...	c	c	cbc	bcbx
	Upper Heyford	$crrr_0r_0c$	c	$cbcm_0$	bm_0
4	Ross-on-Wye ...	r_0r_0oc	c	cbcb	cbx
5	Hartland Point	c	cir_0c	cbc	bc
	Bristol	$cr_0d_0d_0c$	cm_0	$cbcm_0$	cbm_0w
	Portland Bill ...	oid_0	oid_0	o	oc
	Plymouth ...	$crrr_0r_0m_0$	$cir_0r_0r_0c$	c	c
	The Lizard ...	orr	rrprc	crrc	cprbc
	Scilly (St. Mary's)	cr_0r_0	cr_0r_0	$r_0r_0id_0$	cld_0c
	Guernsey ...	cpr_0	o	o	o
6	Pembroke ...	r_0z_0c	mir_0c	c	c
7	Holyhead ...	bwm_0z	b	$bcwm_0b$	bm_0x
	Chester (Sealand)	$bxmbcz_0y$	bcz_0yc	cm_0	cm_0
8	Manchester ...	bz_0xbbcy	$bcycz_0y$	cz_0ycm_0	cm_0
10	Spurn Head ...	bcc	cbc	c	c
	Catterick ...	ccm_0	cr_0c	c	cbcx
	Tynemouth ...	bc	bcc	$coir_0o$	obcc
11	St. Abbs Head...	c	c	bcb	by
	Leuchars ...	bbc	ccybc	bcbx	bx
12	Renfrew (AbbotsI.)	bcxvyc	cy	$czbcbz_0$	bxz_0zf
	Eskdalemuir ...	bcxcy	cy	cybcbx	bx
	Point of Ayre ...	cbcc	cbc	bcc	cbcbw
13A	Tiree	prbc	bcb	bbc	bcx
13B	Stornoway ...	$cypr_0$	cybc		bc
15	Dalwhinnie ...	c	cbc		bcb
	Aberdeen ...	cpshc	cbcby	$bybz_0$	bz_0bz
	Wick	cy	cbc	bcb	bbc
16	Lerwick... ...	pr_0sphr_0y	cprir	cphrir	cpr
17	Blacksod Point...	bc	bc	bc	bc
18	Malin Head ...	cbcc	bcy	bc	bbcx
	Aldergrove ...	cbccy	cy	cycbcb	bbx
19	Birr Castle ...	bbcc	c	cbc	bcx
20	Valentia Obsy.†	by	by	b/b	bxbc
	Roches Point ...	bbc	bcc	c	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_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. ⵀlunar 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.*

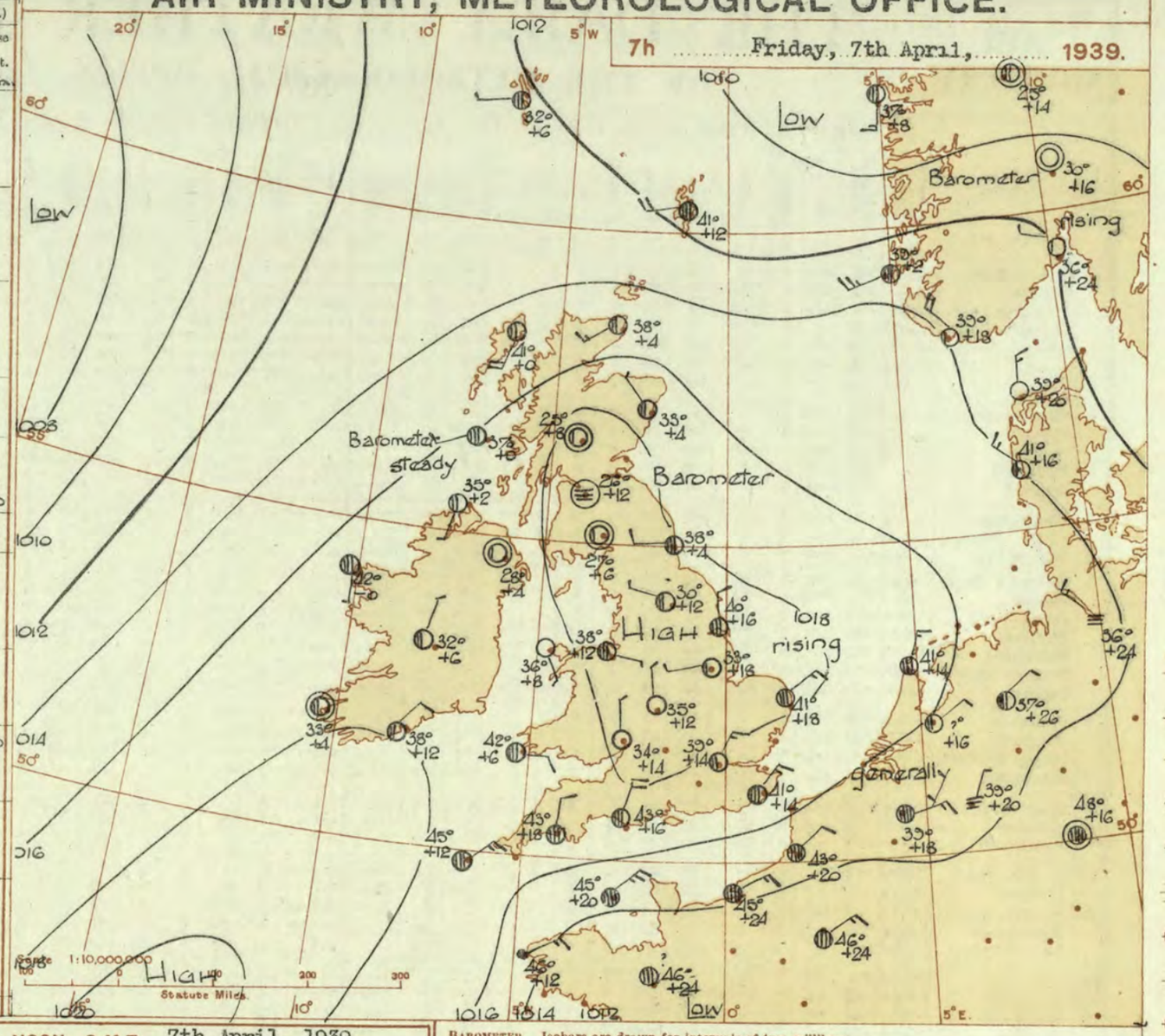
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 6th April 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.	ore	ocbc	39	49	7	Trace	0.2	2.7
	Bournemouth	o	o	43	47	4	-	0.0	0.8
	Ventnor ...	oro	opbc	44	48	6	1	0.9	1.6
	Southsea ...	oe	oc	44	49	5	-	0.0	1.5
	Bognor Regis	rbec	crbec	44	49	9	Trace	0.5	1.4
	Littlehampton	e	ebec	44	49	6	-	0.5	1.8
	Worthing ...	cr	ebec	43	48	9	Trace	0.9	2.5
	Brighton ...	cbrab	bc	45	50	1	Trace	2.3	1.6
	Eastbourne† ...			44	49	6		0.0	1.2
	Hastings† ...	omo	cbeco	43	49	10	-	1.1	2.1
	Folkestone ...	modo	oc	42	47	19	Trace	0.2	2.9
	Dover ...	oro	oco	43	47	25	0.3	0.1	2.8
	Deal	o	o	42	47	22	-	0.0	5.6
	Ramsgate ...	o	oc	41	45	20	-	0.0	3.6
	Margate ...	e	c	42	44	11	-	0.0	5.6
2	Southend ...	or	oc	40	46	1	Trace	0.0	2.2
	Clacton-on-Sea	rire	oc	40	45	3	1	0.0	4.2
	Dovercourt ...	roc	oc	40	45	7	Trace	0.0	2.5
	Lowestoft ...	oc	cbec	41	48	3	-	0.9	0.5
	Skegness ...	b	b	35	47	-	-	8.9	0.0
	Mablethorpe...	bbe	bc	32	48	-	-	9.8	0.0
	Cleethorpes ...	be	be	34	46	-	-	9.6	0.0
3	Leamington S.	o	oc	40	49	-	-	0.2	0.0
4	Cheltenham†	or,ro	o	38	47	8	1	0.0	0.8
5	Bath	e	e	39	46	11	-	0.0	0.5
	Weymouth ...	ide	c	45	47	3	0.5	0.0	1.5
	Jersey ...	bec	co	47	57	0.1	-	3.9	4.4
	Torquay ...	orr	airrd	47	49	1	3	0.0	1.7
	Falmouth ...	orrog	orrgo	48	50	9	13	0.0	4.6
	Penzance ...	r	r	48	51	5	12	0.0	4.3
	St. Ives ...								
	Bude... ...	or	or	43	47	1	3	0.0	4.8
	Ilfracombe ...	poco	copoc	41	46	3	Trace	0.0	3.6
6	Aberystwyth	cbc	bec	43	53	-	-	7.3	0.0
7	Llandudno ...	b	b	35	47	-	-	9.9	1.2
	Colwyn Bay...	zb	obc	32	47	-	-	10.2	0.6
	Rhyl	xbmo	bbc	33	47	-	-	9.1	0.4
8	Wallasey ...	mbc	bbe	34	49	-	-	9.8	0.3
	Southport ...	bzbe	evbvz	29	50	Trace	-	6.7	1.2
	Blackpool ...	b	bbe	32	50	-	-	9.1	3.5
	Morecambe ...	beb	bbe	34	49	-	-	8.4	8.0
9	Ilkley... ...	bec	c	29	46	-	-	3.5	1.5
	Harrogate ...	bec	c	31	44	-	-	5.9	2.4
10	Berwick-on-T.	bec	coc	33	48	-	-	3.8	6.9
11	Dunbar ...	bex	be	32	44	-	-	2.4	6.3
12	Troon... ...	bebbe	bebec	32	45	-	-	5.7	11.6
	Douglas ...	be	b	38	47	-	-	7.2	11.0

† 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. 7th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate variable or northeasterly winds; fair apart from local fog patches early; day temperatures average or slightly below; ground frost locally at night.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate variable or southerly winds; fair apart from local fog patches early; day temperature average or slightly below; ground frost locally at night.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light to moderate variable or westerly winds; fair apart from local fog patches early; rather cold; frost at night.
13 A. W. Scotld. 13 B. N.W. Scotland.	Moderate southwesterly winds; mainly cloudy; rather cold at first, becoming milder.
14 Mid Scotland 15 N. E. Scotland	As 10 - 13A.
16 Orkney and Shetland 17 N. W. Ireland	As 13B.
18 N. E. Ireland 19 S. E. Ireland	As 7 - 9.
20 S. W Ireland	As 13B.

GENERAL INFERENCE.

An anticyclone covers the British Isles. Weather will be mainly fair with day temperatures about or slightly below average for the season and frost locally at night.

FURTHER OUTLOOK.

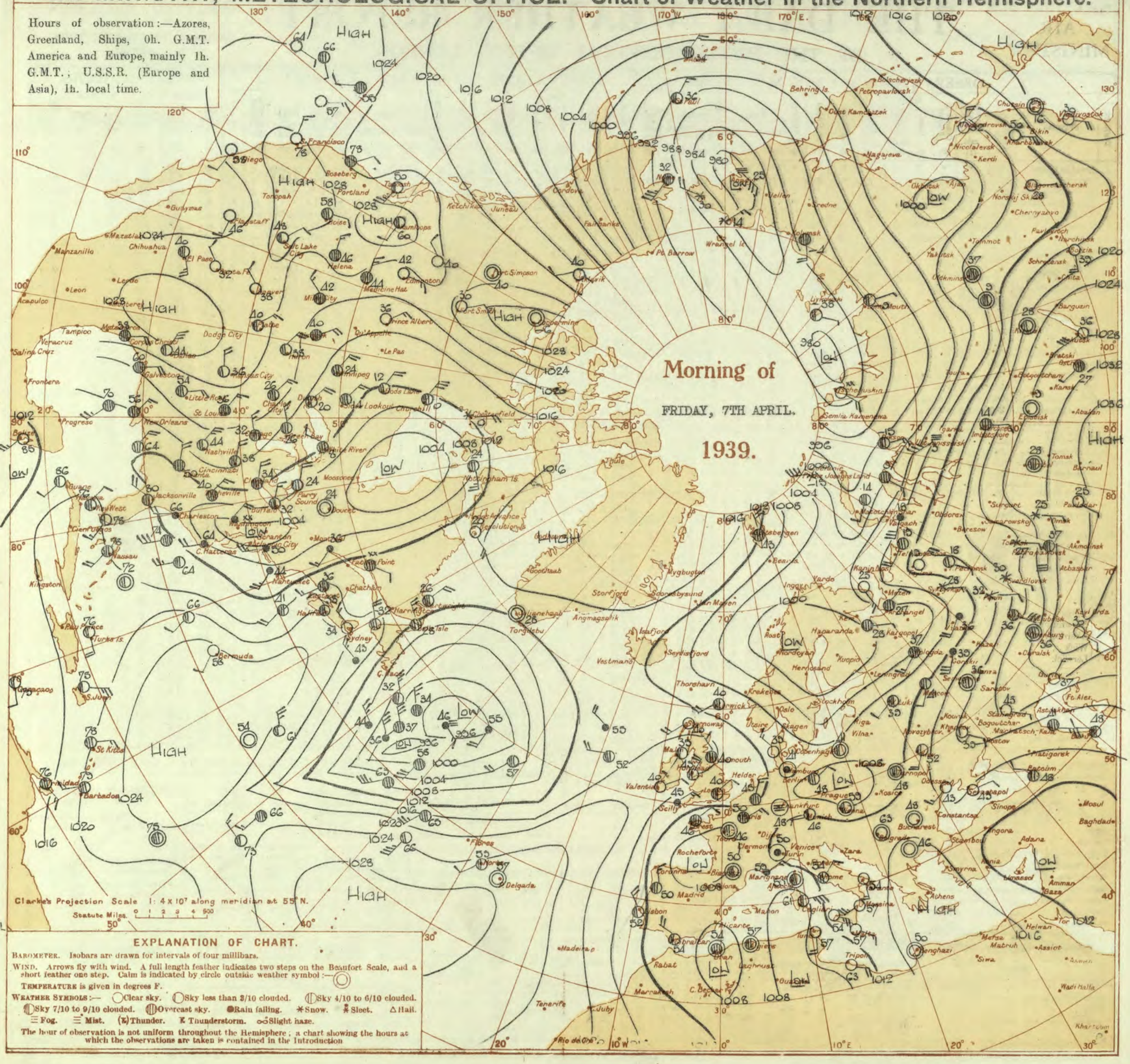
Unsettled and milder in the North and West; mainly fair in the South and East.

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. G.465/3670. m 8109. D.4626. Gp.948. 35400 4/39.

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, 7th April, 1939.
No. 28260

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

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	1014·6	+12	NE	2	c	40	85	6	5	3	-	4-6	9	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·5	+10	NNE	4	c	40	85	7	5	3	-	2-3	7-8	2500
	Manston ...	154	1014·3	+10	NNE	3	c	41	85	7	5	3	-	4-6	7-8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·9	+14	NE	3	bc	41	85	7	4	4	-	2-3	4-6	2500
	Mildenhall ...	19	1015·8	+10	N	2	b	36	97	7	5	-	8	Tr	1	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1014·6	+20	NE	3	bc	44	92	7	4	-	-	2-3	2-3	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1013·1	+14	ENE	3	o	44	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1013·2	+16	NNE	2	c	44	97	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1014·0	+18	NE	3	id_0	45	97	6	5	2	-	4-6	10	1500
	Guernsey ...	175	1011·5	+10	NE	5	o	46	92	6	5	-	-	10	10	2500
6	Pembroke ...	142	1015·6	+10	E	2	c	44	75	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1015·8	+8	N'E	4	b	43	85	6	2	3	-	Tr	Tr	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·4	+10	N'W	3	c	40	92	7	8	-	-	9+	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·6	+10	NW	2	o	40	75	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1017·3	+4	WSW	3	bc	37	65	9	-	3	-	0	2-3	*
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1017·2	+12	SE	3	c	42	65	8	-	3	-	0	7-8	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80														
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1013·7	-4	W	3	b	36	75	8	5	-	-	1	1	2500
16	Lerwick ...	156	1009·2	-2	SW'W	4	c/phr	40	85	8	8	7	-	4-6	7-8	800
17	Blacksod Point	18	1017·2	+4	-	0	b	40	97	8	1	-	-	Tr	Tr	5700
18	Malin Head ...	84	1017·4	+2	SSW	1	b	35	75	8	-	4	-	0	Tr	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·2	+6	NE	2	b	40	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 7th 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)	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)	1017·8	+16	N'E	3	z_0	39	85	6	5	-	-	2-3	2-3	1500	1	*
Croydon	1017·1	+14	NE'N	3	bc	39	92	7	1	3	-	1	4-6	1500	1	*
S. Farnborough	1017·7	+14	N'E	2	c	39	85	7	8	4	-	4-6	7-8	1500	1	*
Boscombe Down	1017·9	+16	NNE	2	b	36	97	6	-	4	-	0	1	-	1	*
Calshot (Sthmtn.)	1016·6	+14	N'E	3	z_0	42	85	6	5	3	-	7-8	7-8	2500	1	§1
Lympne	1016·9	+14	NE'N	3	c	41	85	8	5	3	-	4-6	9+	4000	1	2
Manston	1016·9	+18	NNE	3	c	43	75	7	5	3	-	9	9+	2500	0	*
Shoeburyness	1017·1	+14	NNE	3	bc	39	92	8	5	4	9	2-3	4-6	2500	1	*
Felixstowe	1017·6	+16	NNE	2	b	38	92	7	8	4	-	Tr	1	2500	1	1
Gorleston	1018·0	+18	NE	3	c	41	85	7	8	-	-	7-8	7-8	2500	1	2
Mildenhall	1018·1	+14	N	1	z_0	35	97	6	5	3	-	4-6	7-8	4000	1	*
Cranwell	1018·8	+18	W'S	1	z_0	33	92	5	5	-	-	1	1	5700	1	*
Birmingham	1019·4	+12	NNW	1	b	35	85	5	-	-	-	0	0	-	1	*
Upper Heyford	1018·5	+20	N	3	z_0	33	97	6	-	4	-	0	Tr	-	1	*
Ross-on-Wye	1018·8	+14	N	1	z_0	34	92	6	-	-	-	0	0	-	1	*
Hartland Point	1017·3	+12	E	3	bc	41	92	7	5	-	-	4-6	4-6	2500	1	2
Bristol	1018·4	+12	NNE	2	z_0	36	92	6	-	3	-	0	4-6	-	1	
Portland Bill	1016·7	+16	NNE	4	c	43	92	8	2	-	-	7-8	7-8	2500	1	3
Plymouth	1017·1	+18	N'E	2	c	43	65	9	7	-	-	7-8	7-8	2500	1	1
The Lizard	1016·0	+18	NE	2	c	42	92	8	8	6	-	4-6	7-8	2500	1	2
Scilly (St. Mary's)	1016·4	+12	NE'E	3	c	45	92	7	8	6	5	4-6	7-8	2500	1	2
Guernsey	1014·5	+20	NE	5	o	45	85	7	5	-	-	10	10	1500	1	4
Pembroke	1018·4	+6	E	2	c	42	85	7	7	6	-	7-8	9	2500	1	1
Holyhead	1017·8	+8	SSE	1	b	36	85	6	-	-	-	0	0	-	1	1
Chester (Sealand)	1019·0	+12	SE'E	1	z_0	38	85	6	5	-	-	9+	9+	4000	1	*
Manchester	1019·1	+12	ESE	1	z_0	36	92	5	5	-	-	9+	9+	7200	1	*
Spurn Head	1018·6	+16	N	2	c	40	85	8	5	-	-	9	9	1500	0	1
Catterick	1019·3	+12	WNW	1	bc	30	85	7	5	-	-	4-6	4-6	4000	1	*
Tynemouth	1018·0	+8	W	2	c	38	75	6	8	-	-	7-8	7-8	1500	1	2
St. Abbs Head	1018·1	+12	WSW	3	bc	39	45	9	5	-	-	2-3	2-3	1500	0	1
Leuchars	1018·0	+8	WSW	2	z_0	29	85	6	-	-	6	0	Tr	-	3	*
Renfrew (Abbots I.)	1018·9	+12	-	0	f	26	92	3	-	-	1	0	Tr	-	3	*
Eskdalemuir	1019·9	+6	-	0	b	27	85	8	-	-	1	0	Tr	-	3	*
Point of Ayre	1018·4	+6	S'W	2	b	37	92	6	-	-	-	0	0	-	0	1
Tiree	1016·3	0	WSW	2	c	37	85	8	7	7	-	4-6	7-8	2500	0	2
Stornoway	1014·9	0	SSW	4	bc	41	75	8	5	4	-	4-6	4-6	2500	0	2 *
Dalwhinnie	1019·0	+8	-	0	b	25	92	8	4	-	-	Tr	Tr	4000	5	
Aberdeen	1017·1	+4	NW	1	bc	33	75	6	-	-	6	0	2-3	-	1	1
Wick	1014·6	+4	SW	3	bc	38	75	8	5	4	1	2-3	4-6	2500	1	1
Lerwick	1010·9	+2	W'S	4	c	41	75	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1016·9	0	S	1	c	42	85	9	-	7	9	0	7-8	-	0	2
Malin Head	1017·4	+2	S'W	1	bc	35	75	8	-	-	4	0	2-3	-	0	1
Aldergrove	1018·0	+4	-	0	b	28	92	7	-	4	-	0	Tr	-	1	*
Birr Castle	1017·5	+6	NNE	1	bc	32	97	8	5	4	-	2-3	4-6	2500	1	*
Valentia Obsy. †	1018·0	+4	-	0	bc	33	85	8	1	-	5	1	2-3	2500	1	1
Roches Point	1018·8	+12	NE	2	bc	38	97	8	5	-	-	4-6	4-6	4000	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 6th Hrs. (36)
London (Kew)	46	38	35	0·4	-	0·0
Croydon	45	39	36	0·4	-	0·0
S. Farnborough	45	38	36	0·1	-	0·0
Boscombe Down	45	34	31	3	Tr	0·3
Calshot (Sthmtn.)	48	40	38	Tr	-	0·0
Lympne	44	39	37	-	-	0·0
Manston	45	40	37	0·1	-	0·0
Shoeburyness	46	36	32	Tr	-	0·0
Felixstowe	45	35	30	2	-	0·0
Gorleston	48	41	39	Tr	-	1·1
Mildenhall	47	31	26	-	Tr	0·1
Cranwell	49	33	29	-	-	5·0
Birmingham	48	33	22	-	-	0·2
Upper Heyford	47	32	27	5	-	*
Ross-on-Wye	46	33	19	2	-	0·0
Hartland Point	44	40	38	Tr	-	0·0
Bristol	45	34	*	0·2	-	0·0
Portland Bill	48	41	*	0·2	-	*
Plymouth	48	40	38	5	Tr	0·0
The Lizard	49	41	*	7	1	0·0
Scilly (St. Mary's)	51	45	*	7	1	0·0
Guernsey	53	44	44	Tr	-	1·9
Pembroke	49	40	*	Tr	-	0·0
Holyhead	47	35	26	Tr	Tr	11·7
Chester (Sealand)	51	36	31	-	-	9·3
Manchester	49	33	27	-	-	8·3
Spurn Head	47	39	*	-	-	12·0
Catterick	44	29	23	-	-	4·6
Tynemouth	43	37	31	-	0·1	3·4
St. Abbs Head	41	35	*	-	-	*
Leuchars	45	26	14	-	-	2·6
Renfrew (Abbots I.)	46	29	17	-	-	4·7
Eskdalemuir	42	22	17	-	Tr	3·4
Point of Ayre	47	35	*	-	-	7·6
Tiree	46	25	21	Tr	-	9·9
Stornoway	49	39	*	Tr	-	5·1
Dalwhinnie	43	19	8	-	-	3·9
Aberdeen	44	29	22	0·3	-	2·9
Wick	45	32	*	-	-	*
Lerwick	43	35	*	1	7	5·8
Blacksod Point	51	35	*	-	-	*
Malin Head	46	32	*	-	-	7·4
Aldergrove	48	26	18	-	-	2·4
Birr Castle	53	30	22	-	-	80
Valentia Obsy. †	50	32	26	-	Tr	11·9
Roches Point	54	35		-	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)	9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	$cir_0pr_0z_0$	cz_0	$cbcz_0bm_0$	46	38	35	0·4	-	0·0	*	*	6
Croydon	217	$r_0r_0m_0pr_0$	cm_0pr_0	cz_0m_0bc	45	39	36	0·4	-	0·0	*	*	6
Greenwich (Royal Observatory)	149	cr_0r	c	cbc	45	37	33	0·3	-	0·0	80	68	7
City (Sunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park)	27	*	*	*	47	39	35	Tr		*	73	71	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	46	37	34	Tr	-	0·0	69	75	*
Camden Square	110	c	c	*	46	37	33	Tr	-	*	*	72	*
Kensington	80	bc	c	*	47	38	34	0·1	-	0·0	At 18h. 74	75	*
Hampstead Observatory	450	od	c	bc	44	38	35	Tr	-	*	*	80	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
Record defective			

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	12h 6th	<0·1	1-2h 7th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 6th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 7th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
Paris	1006·7	N	5	cl	59	1013·1	NE	3	z_0	46	66	46	-	12
Brussels	1008·3	N	3	o	45	1015·1	ENE	3	o	39	54	37	2	-
Berlin	1006·7	-	0	z_0	55	1011·8	NNW	4	o	45	59	45	Tr	-
Zurich	1008·4	NNW	1	c	55	1013·4	ESE	1	c	50	*	48	-	-
Rome	1014·0	SE	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.
- 1 Smooth.
- 2 Slight.
- 3 Moderate.
- 4 Rough.
- 5 Very rough.
- 6 High.
- 7 Very high.
- 8 Precipitous.
- 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, 8th April, 1939.
No. 28261

OBSERVATIONS at 13h. G.M.T. 7th 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)...	1018.5	-2	E'N	3	zo	48	55	6	5	-	-	9+	9+	2500
	Croydon	1018.4	0	E	3	c	49	65	6	4	6	-	7-8	7-8	4000
	S. Farnborough	1018.3	-2	ENE	2	zo	49	55	6	7	-	-	9	9	4000
	Boscombe Down	1018.9	+4	NNE	3	c	46	65	7	5	3	-	7-8	9+	4000
	Calshot (Soton.)	1018.0	+2	SE	2	c	48	75	7	7	-	-	9	9	2500
	Lympne ...	1018.2	+2	NE'E	3	bc	47	65	8	1	-	-	4-6	4-6	2500
	Manston ...	1018.4	+2	NE	4	bc	46	65	7	7	-	-	4-6	4-6	1500
2	Shoeburyness	1018.8	+2	ENE	4	bc	48	75	9	8	-	1	4-6	4-6	4000
	Felixstowe ...	1019.1	+2	E'S	3	b	46	75	8	7	-	-	1	1	2500
	Gorleston ...	1019.9	+6	E'N	3	c	45	75	7	8	3	-	2-3	7-8	2500
	Mildenhall ...	1019.2	0	E'N	2	c	47	65	8	5	-	-	10	10	1500
	Cranwell ...	1019.8	+2	-	0	c	46	55	8	5	-	-	9+	9+	4000
3	Birmingham ...	1019.5	0	E	1	zo	47	45	6	7	-	-	4-6	4-6	2500
	Upper Heyford	1019.4	+2	ENE	2	c	47	55	8	5	-	-	9	9	4000
4	Ross-on-Wye ...	1019.1	0	E	3	bc	50	45	7	1	-	-	2-3	2-3	4000
5	Hartland Point	1018.8	+6	ENE	2	bc	48	75	7	7	-	-	4-6	4-6	1500
	Bristol	1019.5	+2	NE	3	bc	47	65	8	7	-	-	4-6	4-6	2500
	Portland Bill ...	1018.1	+2	E	3	bc	47	92	8	5	-	-	2-3	2-3	2500
	Plymouth ...	1018.4	+2	E	2	bc	52	55	8	7	-	-	4-6	4-6	2500
	The Lizard ...	1018.6	+6	E'S	3	bc	51	75	8	4	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	1018.8	+10	E'S	2	b	51	85	7	1	-	-	1	1	2500
	Guernsey ...	1016.5	+6	NE'E	3	o	46	85	7	5	-	-	10	10	2500
6	Pembroke ...	1019.9	+20	S	2	bc	47	75	8	7	-	-	2-3	2-3	2500
7	Holyhead ...	1018.7	+6	SW'S	3	bc	47	55	8	1	-	-	2-3	2-3	4000
	Chester (Sealand)	1019.3	-2	SSE	2	zo	48	55	6	5	-	-	9+	9+	5700
8	Manchester ...	1019.1	-2	SW'S	2	c	50	45	7	1	3	-	Tr	9+	4000
10	Spurn Head ...	1020.3	+4	E	1	c	45	75	8	5	3	-	4-6	9+	1500
	Catterick ...	1019.3	-2	SE'S	2	bc	48	45	7	7	-	-	4-6	4-6	4000
	Tynemouth ...	1019.6	+4	ESE	2	c	43	65	8	2	6	-	4-6	7-8	1600
11	St. Abbs Head...	1018.1	0	SSE	4	c	45	55	8	8	6	9	4-6	7-8	1600
	Leuchars ...	1017.6	-4	SSW	4	bc	49	45	7	-	7	6	0	4-6	-
12	Renfrew (Abbotsl.)	1017.5	-14	SW	3	bc	48	55	8	1	6	-	4-6	4-6	4000
	Eskdalemuir ...	1017.9	-4	SSW	2	b	46	45	8	4	-	-	1	1	4000
	Point of Ayre ...	1018.4	0	S	4	b	49	65	7	-	3	-	0	1	-
13A	Tiree	1014.7	-10	S'W	4	bc	47	75	8	2	4	1	4-6	4-6	2500
13B	Stornoway ...	1018.6	-12	SSW	6	c	45	65	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1016.3	-12	SW	4	bc	46	45	8	-	4	8	0	2-3	-
	Aberdeen ...	1016.7	-8	SSW	3	bc	50	35	7	1	-	6	Tr	4-6	4000
	Wick	1014.9	-4	SSW	3	bc	48	65	8	1	4	8	1	4-6	2500
16	Lerwick... ...	1013.7	+12	W	3	c	43	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1015.5	-12	S	4	c	46	92	9	8	-	-	9	9	800
18	Malin Head ...	1015.6	-10	S'W	4	c	49	55	8	6	3	6	2-3	7-8	5700
	Aldergrove ...	1016.8	-10	WSW	2	bc	51	45	7	1	-	8	2-3	4-6	2500
19	Birr Castle ...	1016.9	-6	WSW	2	c	52	55	7	5	1	-	7-8	10	2500
20	Valentia Obsy.†	1017.2	-10	S	4	c	51	75	8	8	1	-	4-6	10	2500
	Roches Point ...	1019.1	-2	ESE	3	c	49	85	8	1	-	6	2-3	7-8	4000

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

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)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)...	1018.5	+4	ENE	3	zo	47	65	5	5	-	-	10	10	1500	1	*
	Croydon	1018.7	+2	E'N	2	zo	46	75	6	5	-	-	9	9	4000	1	*
	S. Farnborough	1018.6	+2	NE'N	1	zo	48	65	5	5	-	-	7-8	7-8	4000	1	*
	Boscombe Down	1019.0	+2	N'E	2	c	46	65	8	-	3	-	0	9	-	1	*
	Calshot (Soton.)	1018.2	+2	E'S	2	zo	47	85	6	5	-	-	9+	9+	4000	1	o
	Lympne ...	1019.4	+8	NE'N	4	b	42	85	8	4	-	-	1	1	2300	1	§3
	Manston ...	1019.4	+4	NE'N	3	b	43	75	8	1	-	-	Tr	Tr	2500	1	*
2	Shoeburyness	1019.2	+4	E'N	4	bc	44	75	9	4	4	-	1	2-3	4000	1	*
	Felixstowe ...	1019.5	+4	E	3	b	44	75	8	4	-	-	1	1	2500	0	1
	Gorleston ...	1020.1	+4	ENE	3	bc	43	75	7	2	4	-	2-3	2-3	2500	0	2
	Mildenhall ...	1019.3	+2	E'S	2	c	47	65	8	7	-	-	9+	9+	4000	1	*
	Cranwell ...	1019.5	0	SE'E	2	b	43	75	7	5	-	-	1	1	4000	1	*
3	Birmingham ...	1019.0	-14	SE	1	zo	46	55	5	-	-	-	0	0	-	1	*
	Upper Heyford	1019.5	+2	NE	1	c	45	55	8	5	4	-	7-8	7-8	4000	1	*
4	Ross-on-Wye ...	1018.7	0	SE	2	b	48	55	7	-	-	-	0	0	-	1	*
5	Hartland Point	1017.8	-8	NE	2	b	46	75	7	-	-	1	0	1	-	0	3
	Bristol	1019.0	-2	ENE	2	b	47	55	7	4	-	-	Tr	Tr	4000	1	*
	Portland Bill ...	1019.6	+6	SW	2	bc	46	92	8	5	-	-	4-6	4-6	2500	1	3
	Plymouth ...	1018.3	+2	SW'S	3	b	48	75	8	4	-	4	1	1	2500	1	2
	The Lizard ...	1018.6	-2	E'S	2	bc	47	75	8	4	-	-	2-3	2-3	2500	1	2
	Scilly (St.Mary's)	1018.5	+2	-	0	bc	47	85	8	5	5	1	2-3	2-3	2500	1	1
	Guernsey ...	1017.1	+2	NE	3	bc	46	85	7	1	-	-	4-6	4-6	2500	1	3
6	Pembroke ...	1018.7	-4	SSW	1	bc	46	75	6	-	7	-	0	2-3	-	1	1
7	Holyhead ...	1017.6	-8	S	3	c	45	55	8	-	-	7	0	9	-	0	1
	Chester (Sealand)	1018.3	-8	S	1	c	49	55	7	5	-	-	9	9	4000	1	*
8	Manchester ...	1018.2	-2	SSW	1	zo	48	55	6	7	-	-	9	9	4000	1	*
10	Spurn Head ...	1019.6	0	SE	3	bc	42	85	7	5	-	8	2-3	4-6	4000	0	1
	Catterick ...	1018.0	-2	S'E	2	zo	45	65	6	7	3	-	2-3	2-3	2500	1	*
	Tynemouth ...	1017.2	-8	SE	4	bc	43	65	8	8	-	-	4-6	4-6	1500	1	2
11	St. Abbs Head...	1016.3	-10	S	4	bc	42	65	8	5	6	9	2-3	4-6	2500	0	3
	Leuchars ...	1015.7	-4	SE	3	c	43	75	7	5	7	6	2-3	9	4000	0	*
12	Renfrew (Abbotsl.)	1016.0	-8	SW	2	zo	46	65	6	4	-	-	9+	9+	4000	0	*
	Eskdalemuir ...	1016.9	-6	SW'S	3	bc	42	55	6	-	4	6	0	4-6	-	1	*
	Point of Ayre ...	1017.0	-4	W'S	2	c	46	85	7	5	1	-	2-3	10	2500	0	1
13A	Tiree	1013.0	-8	S'W	3	c	45	75	8	5	1	-	7-8	9+	2500	0	2
13B	Stornoway ...	1012.8	-14	SSW	5	c	44	75	8	5	7	-	4-6	10	2500	0	3
15	Dalwhinnie ...	1015.6	-2	SW	4	c	41	55	8	4	7	5	4-6	7-8	4000	0	*
	Aberdeen ...	1015.7	+8	S	4	bc	43	65	7	-	4	6	0	4-6	-	0	1
	Wick	1013.0	-8	SSE	4	c	44	75	8	5	6	8	4-6	9+	2500	1	1
16	Lerwick... ...	1013.5	0	S'E	3	pr	43	75	7	8	7	-	4-6	9	800	1	*
17	Blacksod Point...	1013.1	-18	S	5	c	47	85	8	9	-	-	10	10	800	0	3
18	Malin Head ...	1013.4	-8	SW'W	4	c	47	75	8	5	9	-	2-3	7-8	4000	0	1
	Aldergrove ...	1015.2	-6	SW'S	3	c	46	55	7	5	1	-	2-3	10	2500	1	*
19	Birr Castle ...	1016.1	-6	WSW	2	c	51	65	7	2	1	-	2-3	10	1500	1	*
20	Valentia Obsy.†	1016.0	-10	S'W	5	c	49	85	8	5	2	-	4-6	10	1500	0	2
	Roches Point ...	1017.8	-10	SW	3	c	48	85	8	5	-	6	2-3	7-8	1500	1	2

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)...	bbcczoy	czoyczo	cbcbzo	bmx
	Croydon	bcczo	czo	cbmowx	bmowFx
	S. Farnborough	bcczoy	yczo	cbcbmo	mobmx
	Boscombe Down	bmowbcc	cyc	c	cw
	Calshot (Soton.)	cmobcc	cbccmo	cmobcmow	bcwbcmo
	Lympne ...	cbc	bc	bbmow	bwbmow
	Manston ...	cbc	bcb	bbcc	bbcc
2	Shoeburyness	bc	bcy	bcvbw	bwc
	Felixstowe ...	bbcv	bvb	b	bwc
	Gorleston ...	cbcc	cbc	bcbbc	bc
	Mildenhall ...	bc,cvc	cvcy	cbcb	bmobfbc
	Cranwell ...	bmobccy	cybcb	bbx	bxc
3	Birmingham ...	bbc	bcbz	bzbc	bcc
	Upper Heyford	c	c	b	bmobcmo
4	Ross-on-Wye ...	bzbb	bcy	bbz	bmoxcmo
5	Hartland Point	bc	bcmo	bcb	bbcc
	Bristol	bcbmobc	bcby	bmo	bbcmox
	Portland Bill ...	cbc	bcbz	bcc	cbc
	Plymouth ...	cbbcy	bcycb	b,c	b,c
	The Lizard ...	bc	bc	bcw	bccw
	Scilly (St.Mary's)	ctcb	bbc	bbcw	bc
	Guernsey ...	o	ocbc	bcb	bwbc
6	Pembroke ...	cbc	bczo	bcc	c
7	Holyhead ...	mobc,by	byc⊕	cbcc	cidoc
	Chester (Sealand)	cmozoy	czoy	cybmo	b,cmo
8	Manchester ...	cmobzoy	cyczoy	czoy	czo
10	Spurn Head ...	c	cbc	bcc	c
	Catterick ...	xbcy	ybcmo	bcmo	omow
	Tynemouth ...	co	cbc	bco	o
11	St. Abbs Head...	bbccy	bcc	moco	c
	Leuchars ...	bxbmobc	ycycbcc	cx	cwc
12	Renfrew (Abbotsl.)	ffbcy	bccymo	cmo	cmororo
	Eskdalemuir ...	bxby	bbcyzo	bcyczoc	c
	Point of Ayre ...	bbcb	bbcc	c	c
13A	Tiree	bc	bcc	ido	ordc
13B	Stornoway ...	bcc	c	cRRmo	cRRrr
15	Dalwhinnie ...	bbc	bcc	•	cir
	Aberdeen ...	bbcy	bcybc	bcczo	cciro
	Wick	bcbc	bcyc	cproc	rrc
16	Lerwick... ...	cbcc	cpro	cpropr	crr
17	Blacksod Point...	c	idrc	ircq	ircq
18	Malin Head ...	bcyc⊕	c	c	c
	Aldergrove ...	bxbbcy	bccy	cyc	ccroromo
19	Birr Castle ...	bcc	c	c.	crrc
20	Valentia Obsy.†	bcc	c	ciroro	rorodd
	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/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.*

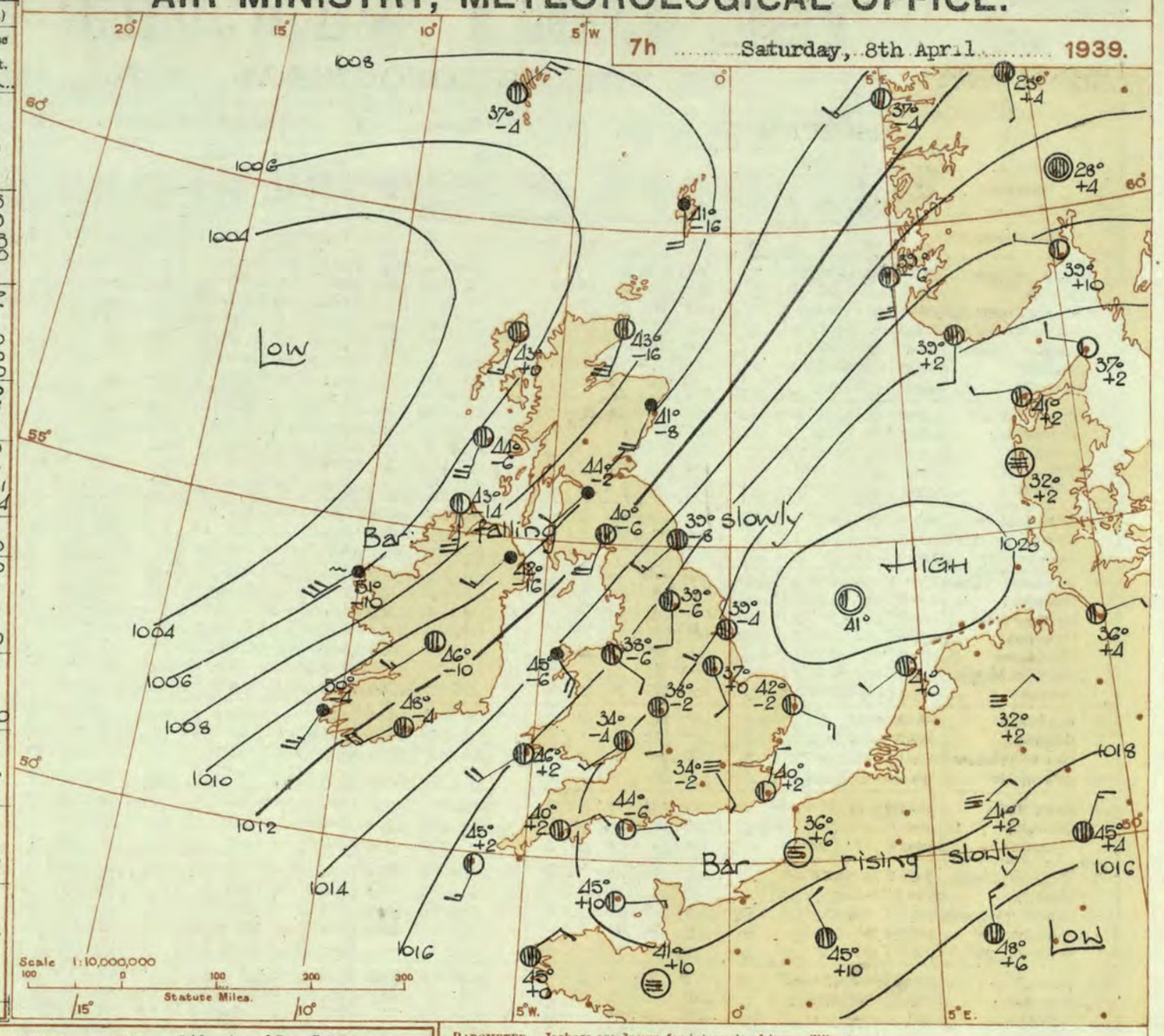
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 7th April 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. (Hrs.) Sunrise to 17h. 7th	Sunshine. (Hrs.) Sunrise to Sunset. 6th
1	Tunbridge W.	c	cbc	38	50	-	-	3·7	0·2
	Bournemouth	b	bbc	38	55	-	-	8·1	0·0
	Ventnor ...	bcb	b	41	53	-	-	9·5	0·9
	Southsea ...	bcb	bbc	40	53	-	-	7·3	0·0
	Bognor Regis	bcbc	bcbbc	41	51	-	-	6·8	0·5
	Littlehampton	bc	bcc	40	54	-	-	3·3	0·5
	Worthing ...	c	c	41	50	-	-	1·4	0·9
	Brighton ...	cbc	bcbc	41	50	-	-	0·6	2·3
	Eastbourne† ...	cbc	bcb	42	49	-	-	6·4	0·0
	Hastings† ...	cbcb	bcbc	41	50	-	-	5·2	1·1
	Folkestone ...	bcbc	bcbc	41	48	-	-	7·1	0·2
	Dover ...	bc	bc	43	50	-	-	8·7	0·1
	Deal	cbcbc	bcb	42	51	-	-	9·6	0·0
	Ramsgate ...	bc	bc	41	47	-	-	9·0	0·0
	Margate ...	bc	bc	42	47	-	-	8·5	0·0
2	Southend ...	bc	bcb	37	49	Trace	-	7·0	0·0
	Clacton-on-Sea	bcbc	bv	36	47	-	-	10·8	0·3
	Dovercourt ...	bc	bc	37	48	-	-	10·8	0·2
	Lowestoft ...	bbcb	b	40	48	-	-	10·7	0·9
	Skegness ...	bcbc	bcbc	36	47	-	-	1·6	10·6
	Mablethorpe...	obc	bc	36	46	-	-	2·4	11·1
	Cleethorpes ...	cbcv	bcv	39	47	-	-	1·8	10·4
3	Leamington S.	bbc	bc	31	50	-	-	7·1	0·4
4	Cheltenham†	bbc	bcbbc	32	51	-	-	8·5	0·0
5	Bath	bbc	bbc	37	50	-	-	8·0	0·0
	Weymouth ...	b	b	41	52	-	-	10·3	0·0
	Jersey ...	poc	cbc	45	51	0·4	-	0·4	3·9
	Torquay ...	b	b	41	52	-	-	10·4	0·0
	Falmouth ...	b	b	42	51	1	-	10·5	0·0
	Penzance ...	bb	bbcb	42	52	3	-	9·5	0·0
	St. Ives ...								
	Bude... ...	b	b	39	52	0·3	-	10·7	0·0
	Ilfracombe ...	bcb	bbcbz	39	49	-	-	0·3	0·0
6	Aberystwyth	cbc	bc	39	51	-	-	4·8	7·3
7	Llandudno ...	c	cbcb	36	49	-	-	2·6	10·0
	Colwyn Bay...	c	cbcbc	35	48	-	-	2·0	10·2
	Rhyl	cm	cbcm	37	49	-	-	2·3	9·1
8	Wallasey ...	bcbc	cbc	40	50	-	-	0·5	10·2
	Southport ...	pczcz	czbc	36	51	-	-	5·3	7·1
	Blackpool ...	bcb	bcbz	36	50	-	-	7·2	9·1
	Morecambe ...	b	b	34	49	-	-	10·1	8·4
9	Ilkley... ...	bc	bc	28	48	-	-	7·1	3·5
	Harrogate ...	bbcc	bcc	30	46	-	-	6·0	3·9
10	Berwick-on-T.	bbc	bcb	30	49	-	-	9·6	3·8
11	Dunbar ...	bcmx	bcm	29	51	-	-	8·9	2·4
12	Troon... ...	bcbcb	bcbcc	31	48	-	-	8·6	3·8
	Douglas ...	bxz	bcz	36	48	-	-	8·9	8·6

† 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 April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable winds becoming moderate southerly; fine at first, cloud increasing later; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate south to southwest winds; cloudy, occasional slight rain or drizzle later; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate southwest winds; cloudy, occasional rain or drizzle; average temperature.
10 N.E. England 11 S.E. Scotland	As 4 - 6.
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 to fresh southwesterly winds; occasional rain or drizzle; average temperature.

GENERAL INFERENCE.

A wedge of high pressure extending across Southern England to Denmark is moving southeast while a complex depression to the west of Ireland is moving northeast. There will be occasional rain or drizzle in the North and West and these conditions will spread gradually eastwards but weather will be fair at first in the East and Southeast. Temperatures will be about average for the season.

FURTHER OUTLOOK.

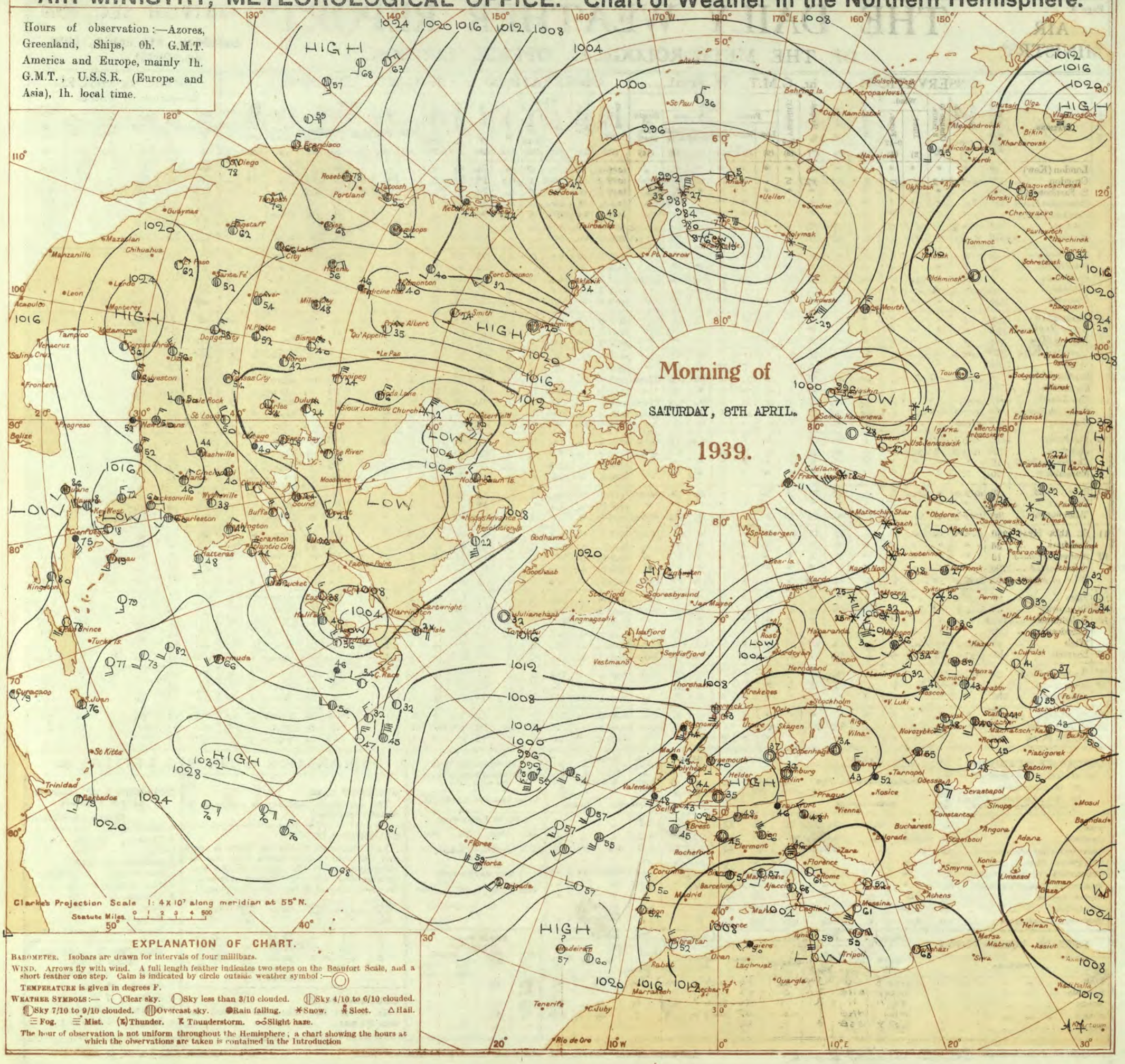
Unsettled with rain at times in the North and West; mainly cloudy in the Southeast.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G 465/3670 m 8109 D 4626 Gp 949 35400 4/39.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 8th April, 1939.
No. 28261

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

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	1020·4	+2	-	0	z.	35	92	5	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·2	-2	NE'N	3	b	37	92	7	-	-	-	0	0	*
	Manston ...	154	1019·6	-4	NE'N	2	c	40	92	8	-	3	-	0	9+	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1020·7	-2	E'S	3	bc	41	75	8	5	3	-	2·3	4·6	2500
	Mildenhall ...	19	1020·2	-4	SE	1	b	34	97	7	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1018·2	-4	SSW	3	b	43	92	8	-	-	-	0	0	-
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1018·0	-4	NW	2	c	42	85	7	5	2	-	4·6	7·8	2500
	Plymouth ...	82	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	The Lizard ...	240	1019·1	-6	-	0	bc	41	92	8	4	-	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1018·4	-10	SSE	2	bc	43	92	8	4	4	4	Tr	4·6	4000
	Guernsey ...	175	1018·6	0	NE	1	b	44	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1018·7	-4	S	1	c	44	85	7	5	7	-	4·6	7·8	1500
7	Holyhead ...	26	1016·9	-8	SSE	3	c	44	85	8	8	7	8	1	9	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019·4	0	S'W	3	c	39	92	7	5	-	-	9+	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·8	-6	S	3	o	40	75	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1014·4	-20	SW	5	o	39	85	6	5	-	-	10	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1016·0	-8	SW'W	4	c	45	85	7	5	1	-	4·6	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006·8	-24	S	7	RR	44	97	5	5	2	-	7·8	10	1500
15	Dalwhinnie ...	1176		*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79		*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1010·5	-14	SSW	3	c/pr	43	75	7	5	7	8	4·6	7·8	1500
16	Lerwick ...	156	1010·0	-28	SSW	4	c	43	85	7	8	7	-	4·6	10	800
17	Blacksod Point	18	1008·6	-32	S	6	ir	46	92	7	6	-	-	10	10	800
18	Malin Head ...	84	1011·1	-10	S	4	d	45	75	6	9	2	-	4·6	9	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012·4	-8	S'W	4	ro r.	48	97	7	8	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 8th 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)	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)	1019·2	-2	-	0	m	36	97	4	-	-	-	0	0	-	1	*
Croydon ...	1019·5	-2	SSE	1	cf-	39	97	3	-	4	7	0	9+	-	1	*
S. Farnborough	1019·5	0	-	0	m	29	97	4	-	5	8	0	2·3	-	3	*
Boscombe Down	1019·2	0	SE	2	c	39	85	7	5	2	-	9	10	1500	1	*
Calshot (Sthmtn.)	1019·3	+8	NE'N	1	zo	40	92	6	5	-	2	Tr	7·8	4000	1	2
Lympne ...	1019·5	+2	NNE	2	zo	40	92	6	-	-	6	0	4·6	-	1	§2
Manston ...	1019·1	+6	NE	1	c	42	92	6	5	-	-	9+	9+	1500	1	*
Shoeburyness ...	1018·9	-2	NE	2	bc	40	92	7	5	-	2	4·6	7·8	5700	1	*
Felixstowe ...	1019·1	0	E	1	c	39	92	7	5	-	-	9+	9+	1500	0	0
Gorleston ...	1019·3	-2	SE'S	3	bc	42	75	8	-	4	-	0	2·3	-	0	2
Mildenhall ...	1018·8	-6	SSE	1	zo	33	85	6	5	7	7	Tr	10	2500	1	*
Cranwell ...	1018·7	0	S'E	2	zo	37	92	6	-	7	-	0	10	-	1	*
Birmingham ...	1017·9	-2	S	2	c	38	85	6	-	1	-	0	9+	-	1	*
Upper Heyford	1019·3	0	S	1	zo	36	92	6	-	3	1	0	4·6	-	1	*
Ross-on-Wye	1018·4	-4	SW	1	zo	34	92	5	-	4	6	0	9	*	1	*
Hartland Point	1017·4	-2	S	3	c	41	97	8	5	8	8	2·3	7·8	2500	0	2
Bristol ...	1018·7	0	S	3	zo	40	85	6	5	7	6	4·6	7·8	2500	1	*
Portland Bill ...	1018·7	-6	E	2	bc	44	85	7	5	-	-	4·6	4·6	2500	1	2
Plymouth ...	1017·5	+2	ENE	2	c	40	92	8	5	-	-	9+	9+	1500	1	1
The Lizard ...	1018·6	-10	S	2	c	45	85	8	8	2	-	7·8	9+	1500	1	1
Scilly (St. Mary's)	1017·2	+2	S'W	3	bc	45	92	8	4	4	-	2·3	2·3	2500	0	1
Guernsey ...	1018·4	+10	E	1	bc	45	75	7	-	3	1	0	2·3	-	1	2
Pembroke ...	1016·6	+2	SW	4	c	46	85	7	5	6	-	7·8	9+	1500	1	2
Holyhead ...	1014·2	-6	SSE	4	id.	45	75	7	6	2	-	Tr	10	2500	0	1
Chester (Sealand)	1016·5	-6	SE'S	2	zo	38	85	6	5	7	9	2·3	9	4000	1	*
Manchester ...	1016·8	-6	SSE	2	zo	40	75	6	-	3	2	0	9	-	1	*
Spurn Head ...	1017·9	-4	SSW	3	c	39	92	7	-	2	-	0	10	-	0	2
Catterick ...	1015·8	-6	S'E	2	zo	39	75	6	5	2	-	9	10	1500	1	*
Tynemouth ...	1014·6	-8	SW	3	o	39	85	5	5	-	-	10	10	1500	1	1
St. Abbs Head	1012·7	-10	SW	5	c	41	75	7	5	2	-	7·8	10	1500	0	3
Leuchars ...	1011·3	-6	SW	3	c	42	92	6	5	2	-	7·8	9+	2500	1	*
Renfrew (Abbots I.)	1010·6	-2	SW	2	ir.	44	85	6	5	7	-	7·8	9+	2500	1	*
Eskdalemuir ...	1013·2	-6	SSW	4	c	40	92	7	5	-	-	10	10	450	1	*
Point of Ayre...	1012·5	-8	SW	4	c	45	85	7	8	1	-	2·3	10	2500	0	2
Tiree	1007·4	-6	SSW	5	c	44	92	7	5	7	9	7·8	9+	1500	1	3
Stornoway ...	1005·8	0	SSW	3	c	43	85	7	8	5	-	7·8	9	2500	1	1
Dalwhinnie ...	*	-10	SW	4	c	39	85	7	5	-	-	10	10	2500	0	*
Aberdeen ...	1010·5	-8	SW'S	4	ir.	41	85	6	6	2	-	4·6	10	1500	1	1
Wick ...	1006·2	-16	SSW	5	c	43	85	8	5	7	8	4·6	9+	1500	1	2
Lerwick ...	1006·3	-16	S	4	rr	41	85	6	6	2	-	4·6	10	800	1	*
Blacksod Point	1005·2	-10	SW	6	ir	51	97	7	6	-	-	10	10	450	1	4
Malin Head ...	1007·2	-14	S	5	c	43	92	6	9	-	-	9+	9+	2500	0	2
Aldergrove ...	1010·5	-16	SW'S	3	ro r.	42	92	6	6	-	-	10	10	800	1	*
Birr Castle ...	1010·0	-10	SW	3	c	46	97	7	6	2	-	4·6	10	800	1	*
Valentia Obsy. †	1010·8	-4	SSW	5	dd	50	97	6	5	-	-	10	10	450	1	3
Roches Point	1013·4	-4	SW	4	c	48	97	7	6	2	-	7·8	10	1500	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)	49	32	22	-	Tr	3·8
Croydon ...	50	30	26	-	-	4·2
S. Farnborough	49	26	23	-	Tr	4·3
Boscombe Down	49	35	28	-	-	4·8
Calshot (Sthmtn.)	52	38	36	-	-	4·5
Lympne ...	48	34	30	-	-	7·2
Manston ...	47	36	30	-	-	8·3
Shoeburyness ...	49	33	26	-	-	10·0
Felixstowe ...	47	35	*	-	-	11·7
Gorleston ...	46	41	38	-	-	11·0
Mildenhall ...	51	26	19	-	-	3·2
Cranwell ...	49	31	20	-	-	5·2
Birmingham ...	48	36	31	-	-	7·4
Upper Heyford	49	35	23	-	-	*
Ross-on-Wye	51	32	20	-	-	10·5
Hartland Point	50	39	37	-	-	11·0
Bristol ...	50	32	25	-	-	10·0
Portland Bill ...	47	42	*	-	-	*
Plymouth ...	53	36	33	-	-	8·8
The Lizard ...	51	40	*	-	-	10·7
Scilly (St. Mary's)	52	42	*	-	-	9·9
Guernsey ...	47	42	33	-	-	1·6
Pembroke ...	48	42	*	-	-	9·0
Holyhead ...	49	43	41	-	Tr	9·0
Chester (Sealand)	50	37	31	-	-	0·3
Manchester ...	51	36	32	-	-	4·7
Spurn Head ...	47	37	*	-	-	1·8
Catterick ...	49	35	30	-	-	0·6
Tynemouth ...	44	39	37	-	-	4·0
St. Abbs Head	45	38	*	-	-	*
Leuchars ...	50	38	28	-	-	10·3
Renfrew (Abbots I.)	50	42	39	-	1	5·6
Eskdalemuir ...	48	37	36	-	-	10·5
Point of Ayre...	51	41	*	-	-	8·7
Tiree	48	43	41	-	2	7·5
Stornoway ...	47	40	*	-	10	3·4
Dalwhinnie ...	47	36	33	-	0·2	8·0
Aberdeen ...	50	40	37	-	Tr	9·4
Wick ...	50	40	*	-	3	*
Lerwick ...	46	39	*	Tr	1	7·9
Blacksod Point	51	45	*	Tr	7	*
Malin Head ...	49	41	*	-	Tr	5·0
Aldergrove ...	52	40	39	-	3	8·0
Birr Castle ...	53	43	40	-	6	5·2
Valentia Obsy. †	52	47	45	-	2	1·2
Roches Point	50	47	*	-	-	*

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	bbcczoy	czyczo	cbczbnx	49	32	22	-	Tr	3·8	*	*	
Croydon	217	bcczo	czo	cbnwfx	50	30	26	-	-	4·2	*	*	5
Greenwich (Royal Observatory)...	149	c	c	cbxcb	48	30	23	-	Tr	2·9	63	77	6
City (Gunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	50	37	29	—		*	93	73	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	49	33	26	-	-	3·4	57	79	*
Camden Square	110	bc	c	*	50	33	27	-	-	*	*	77	*
Kensington	80	bcz	c	*	50	34	27	-	-	4·1	At 18h. 70	83	*
Hampstead Observatory	450	bc	o	m	47	35	26	-	-	3·7	*	71	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T.. 8th.

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

Kew Observatory. Max.	Time.	Min.	Time.
*	*	*	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 7th April Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 8th April 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	1015·8	NE	3	zo	52	1017·3	NNW	2	zo	45	54	45	-	-
Brussels	1016·7	ENE	3	c	48						50		-	
Berlin	1017·7	N	2	c	46	1018·7	ENE	2	o	43	48	39	-	-
Zurich	1011·1	NNE	1	c	59	1013·8	N	1	zo	50	61	46	-	-
Rome	1007·9	ESE	4	c	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 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 9th April, 1939.

No. 28262.

OBSERVATIONS at 13h. G.M.T. 8th 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)	°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)...	1018·2	-6	SW'S	2	z_0	50	65	6	-	-	4	0	2-3	-
	Croydon	1018·1	-14	W'S	1	z_0	54	55	6	1	-	2	Tr	7-8	4000
	S. Farnborough	1017·9	-12	SW	1	c	55	55	7	1	-	7	2-3	7-8	4000
	Boscombe Down	1018·3	-6	SSW	3	c	51	75	7	8	7	2	4-6	7-8	4000
	Calshot (Soton.)	1018·7	-6	S	2	z_0	53	55	6	3	-	6	Tr	9	5700
	Lympne ...	1019·2	-2	SE'S	2	bc	51	65	6	1	-	1	2-3	2-3	2500
	Manston ...	1018·5	-4	SSE	1	z_0	51	65	6	1	-	-	4-6	4-6	1500
2	Shoeburyness ...	1018·4	-6	ESE	1	b	50	75	7	1	-	-	1	1	4000
	Felixstowe ...	1019·1	-4	SE'S	3	bc	47	75	8	7	-	2	2-3	4-6	2500
	Gorleston ...	1018·6	-14	SSE	4	c	45	85	7	8	4	-	4-6	7-8	2500
	Mildenhall ...	1017·9	-8	SW	1	bc	53	45	8	7	-	6	2-3	4-6	2500
	Cranwell ...	1016·6	-14	S'W	3	c	50	65	7	7	3	8	7-8	9+	4000
3	Birmingham ...	1016·3	-4	SSW	3	c	50	65	8	7	1	-	4-6	10	2500
	Upper Heyford	1017·9	-10	WSW	3	c	52	55	7	7	3	9	4-6	9	2500
4	Ross-on-Wye ...	1016·8	-10	SW'S	4	c	51	55	7	1	3	2	2-3	9	4000
5	Hartland Point	1017·1	-2	WSW	3	c	48	92	8	5	4	8	2-3	7-8	2500
	Bristol	1018·2	-6	SW	3	c	51	65	7	7	7	6	4-6	7-8	2500
	Portland Bill ...	1019·0	-4	SE	2	c	50	85	8	5	4	1	4-6	9	2500
	Plymouth ...	1018·5	0	S	3	c	49	75	8	7	4	-	9+	9+	2500
	The Lizard ...	1019·0	-6	S	2	bc	50	75	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1017·2	-2	S'W	4	c	52	85	7	2	1	6	1	7-8	2500
	Guernsey ...	1018·1	-6	NE	1	c	49	85	7	5	-	-	7-8	7-8	2500
6	Pembroke ...	1015·9	0	SW	4	c	48	85	7	5	2	-	7-8	10	1600
7	Holyhead ...	1013·4	0	SSE	5	rr	46	92	6	6	2	-	7-8	10	450
	Chester (Sealand)	1015·0	-6	SSW	3	ir_0	51	65	7	5	2	-	7-8	10	2500
8	Manchester ...	1015·0	-10	SSW	4	c	50	65	7	5	7	-	7-8	10	2500
10	Spurn Head ...	1016·7	-8	S'W	3	c	60	65	7	4	1	-	2-3	10	4000
	Catterick ...	1013·9	-10	S'E	3	r_0r_0	45	85	4	5	-	-	10	10	1500
	Tynemouth ...	1013·6	-4	SW	3	o	47	65	5	5	-	-	10	10	1500
11	St. Abbs Head...	1010·0	-2	WSW	6	c/r	44	75	7	8	2	-	7-8	10	1500
	Leuchars ...	1010·2	-10	SW	3	z_0	47	75	6	5	2	-	9	10	1500
12	Renfrew (Abbotsl.)	1009·6	-10	S'W	2	dd	47	92	5	6	2	-	9	10	800
	Eskdalemuir ...	1011·0	-10	S'W	5	rr	41	97	6	-	2	-	10	10	220
	Point of Ayre ...	1010·4	-12	SW'W	5	r_0r_0	48	97	7	8	2	-	4-6	10	1500
13A	Tiree	1007·1	0	SE'S	3	c	48	85	7	5	-	-	9+	9+	2500
13B	Stornoway ...	1006·7	+6	SSW	3	c/pr	47	85	7	5	7	-	4-6	7-8	2500
15	Dalwhinnie ...	*	0	SW	2	c	41	85	7	5	-	-	10	10	2500
	Aberdeen ...	1009·0	-2	SW'S	4	bc	51	65	6	1	6	-	2-3	4-6	1500
	Wick	1006·6	+6	SW	3	c	48	65	8	5	7	9	4-6	9	1500
16	Lerwick... ...	1005·0	-4	SW'W	5	c	45	85	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1008·0	+14	W	4	iD	50	97	6	6	-	-	10	10	<150
18	Malin Head ...	1005·5	-4	SW'W	3	c/d	50	97	6	6	-	-	9+	9+	1600
	Aldergrove ...	1003·0	-8	W'S	3	c/r	49	97	6	6	-	-	10	10	800
19	Birr Castle ...	1010·4	+2	SW	2	c	53	92	7	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1012·0	+2	SW'S	4	o	54	92	7	5	-	-	10	10	450
	Roches Point ...	1013·8	+2	SW	3	dd	49	97	5	5	-	-	10	10	220

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

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)	1017·3	+2	W'S	2	z_0	53	55	6	-	-	4	0	4-6	-	1	*
Croydon	1017·2	0	W'S	2	z_0	54	55	6	-	-	2	0	4-6	-	1	*
S. Farnborough	1017·0	0	W'S	1	bc	53	65	7	-	4	2	0	2-3	-	0	*
Boscombe Down	1017·5	+2	SW'W	3	bc	51	65	8	-	7	6	0	4-6	-	1	*
Calshot (Soton.)	1017·7	-4	SW	3	bc	47	85	7	-	-	2	0	2-3	-	1	1
Lympne	1018·2	0	SSW	2	z_0	47	85	6	-	-	1	0	1	-	1	§ 1
Manston	1018·1	+4	SE'E	2	f	46	85	6	-	-	4	0	7-8	-	1	*
Shoeburyness	1017·2	-8	SE	3	bc	47	85	6	-	4	9	0	2-3	-	1	*
Felixstowe	1017·8	-2	SSE	3	c	45	85	7	-	-	8	0	7-8	-	0	2
Gorleston	1017·8	+4	S	4	c	45	75	6	-	1	1	0	7-8	-	0	2
Mildenhall	1016·6	-6	SW'W	2	z_0	52	65	6	-	3	9	0	2-3	-	0	*
Cranwell	1015·4	-6	S'W	2	z_0	50	75	6	-	7	7	0	9+	-	1	*
Birmingham	1015·9	-2	SSW	2	c	51	65	8	-	7	-	0	9	-	1	*
Upper Heyford	1017·1	0	SW'W	3	bc	50	65	7	-	3	9	0	4-6	-	1	*
Ross-on-Wye	1016·2	0	SW'S	3	bc	52	65	7	7	7	9	2-3	4-6	2500	1	*
Hartland Point	1016·4	0	SW	3	c	48	92	8	2	4	3	2-3	7-8	2500	0	2
Bristol	1017·9	-2	SSW	2	c	51	75	7	5	3	1	4-6	7-8	2500	1	*
Portland Bill	1017·8	-4	SW	2	bc	47	85	8	5	-	-	4-6	4-6	2500	1	2
Plymouth	1017·7	-2	SSW	1	bc	49	85	8	1	3	1	1	4-6	2500	0	1
The Lizard	1017·4	-2	S	2	bc	49	85	8	4	-	-	2-3	2-3	2500	1	1
Scilly (St. Mary's)	1016·2	-2	S'W	3	b	50	92	7	-	-	1	0	1	-	0	2
Guernsey	1017·0	-2	WNW	1	bc	48	75	7	5	3	-	2-3	4-6	2500	1	1
Pembroke	1015·9	0	SW	4	c	47	92	7	8	2	-	7-8	10	1500	1	2
Holyhead	1012·8	+2	S	5	o	47	97	5	5	-	-	10	10	<150	1	2
Chester (Sealand)	1014·1	-2	SW'S	2	c	52	75	7	5	7	-	7-8	9	2500	1	*
Manchester	1014·1	-6	SW'S	3	c	51	75	7	5	7	-	9	10	2500	1	*
Spurn Head	1014·9	-6	S'W	3	c	48	75	6	-	2	-	0	10	-	0	2
Catterick	1012·6	-6	SW'W	4	z_0	48	85	6	5	7	-	4-6	9+	2500	1	*
Tynemouth	1011·4	-12	SW	3	rr	47	85	5	-	2	-	10	10	1500	1	1
St. Abbs Head	1009·5	0	SSW	4	c	45	92	7	8	2	-	7-8	10	1500	0	3
Leuchars	1009·4	-2	-	0	o	47	85	7	5	-	-	10	10	1500	1	*
Renfrew (Abbotsl.)	1009·1	+2	NE'E	1	df	47	97	3	5	-	-	10	10	800	1	*
Eskdalemuir	1009·7	0	S'W	4	r_0r_0	44	97	6	-	2	-	10	10	220	1	*
Point of Ayre	1010·3	+2	W'S	5	ir_0	52	92	7	8	2	-	4-6	10	1500	1	3
Tiree	1008·0	+8	NNE	2	c	47	92	7	5	-	-	9+	9+	2500	0	2
Stornoway	1008·7	+14	SSW	3	c	46	92	7	5	7	-	9	9+	2500	1	2
Dalwhinnie	*	+2	SW	2	c	43	85	7	5	-	-	10	10	2500	0	*
Aberdeen	1009·1	+4	S'W	3	c	48	75	6	5	6	6	1	7-8	2500	0	1
Wick	1007·9	+10	WNW	2	c	49	75	8	5	7	8	4-6	9	1500	1	1
Lerwick	1005·8	+10	W'S	4	c	43	85	8	8	7	-	7-8	9	1500	1	*
Blacksod Point	1010·0	+12	S'W	2	o	51	97	6	5	-	-	10	10	<150	1	3
Malin Head	1008·2	+22	W	3	c/f	48	97	6	5	-	-	9	9	1500	1	2
Aldergrove	1008·9	+6	W	4	id_0	51	97	6	6	-	-	10	10	800	1	*
Birr Castle	1011·0	+4	WSW	2	c	58	85	7	5	7	-	4-6	9	2500	1	*
Valentia Obsy.†	1012·3	+2	S'W	4	z_0	52	97	5	5	-	-	10	10	220	1	3
Roches Point	1013·7	+2	SW	3	df	49	97	3	5	-	-	10	10	<150	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 8th (37)	Weather 13h.–18h. 8th (38)	Weather 18h. 8th to 1h. 9th (39)	Weather 1h.–7h. 9th (40)
London (Kew)	$bxbz_0y$	$bbcz_0y$	$bczybm_0$	$bbcm_0w$
Croydon	$cfbcz_0$⊕	$cbcz_0y$	bm_0bcw	bcm_0w
S. Farnborough	mxbcy	bcyb	bbx	bxm_0bm
Boscombe Down	$cwcm_0c$	cyc	cbcm	bcfFmw
Calshot (Soton.)	bcm_0y	cym_0bc	$bcbm_0$	cm_0cfe
Lympne	bm_0bz	bz_0	biFFb	Fgwx
Manston	$cbcz_0$	$bccz_0$	$bcbbcm_0w$	bcm_0w
Shoeburyness	bcwb	$bbcm_0$	bcm_0bw	bmw
Felixstowe	cbc	bcc	bcb	bbmw
Gorleston	bcc	c	cbc	bcz_0
Mildenhall	cm_0cbc	bcbcybz	bcm_0	bm_0w
Cranwell	cm_0z_0	cz_0	cz_0m_0	cm_0
Birmingham	c	c	cbc	bc
Upper Heyford	bcm_0bcc	cbc	bbm_0	$bbcm_0$
Ross-on-Wye	cz_0c	cy	$cbcm_0$	bcm_0
Hartland Point	cbcc	cbcc	cbc	bc
Bristol	$bcxcm_0$	cbccbc	bcb	$bxbcwm_0$
Portland Bill	bcc	cbc	bcbc	bcbc
Plymouth	cbcc	cbc	bcc	bcc
The Lizard	cbc	bc	bccw	c
Scilly (St. Mary's)	bcc	$bcbz_0$	bbcbw	bbcwc
Guernsey	bcc	cbc	bcw	bcw
Pembroke	c	c	c	cm_0
Holyhead	r_0r_0rrc	$r_0r_0m_0o$	om_0ffo	ffo
Chester (Sealand)	$cm_0z_0r_0$	r_0r_0c	c	c
Manchester	cz_0	$cr_0r_0cm_0$	cir_0cm_0	cm_0
Spurn Head	c	c	coc	cm
Catterick	$om_0r_0r_0m$	ir_0cm_0	cmc	c
Tynemouth	o	orr	orr_0	oc
St. Abbs Head	irc	c	cr_0r	frm_0c
Leuchars	cm_0	cm_0o	om_0	owm_0
Renfrew (Abbotsl.)	$cm_0d_0d_0$	dcd_0fr_0	r_0ddffo	oddff
Eskdalemuir	cir_0rr	rrr_0r_0	$r_0d_0d_0$	od_0d_0c
Point of Ayre	crr	ir_0	d_0d_0	c
Tiree	c	c	cbcc –	cffm
Stornoway	cpr	cpr	cbc	bccw
Dalwhinnie	c	c	•	bcb
Aberdeen	jr_0bc	bcz_0	bcb	bbcx
Wick	c	c	cm_0	cm_0
Lerwick	crr	cpr	cbc	bc
Blacksod Point	iDR.	iDo	iD	c
Malin Head	cr_0rc	cid_0c	c	cid_0c
Aldergrove	r_0r_0,d_0,r	$cr_0id_0m_0$	mid_0ff	cfm
Birr Castle	circ	c	circ	c
Valentia Obsy.†	$ddir_0om_0$	ofm_0	id_0ir_0	ir_0c
Roches Point	d_0rdd	ddodf	dfdf	ddfc

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.

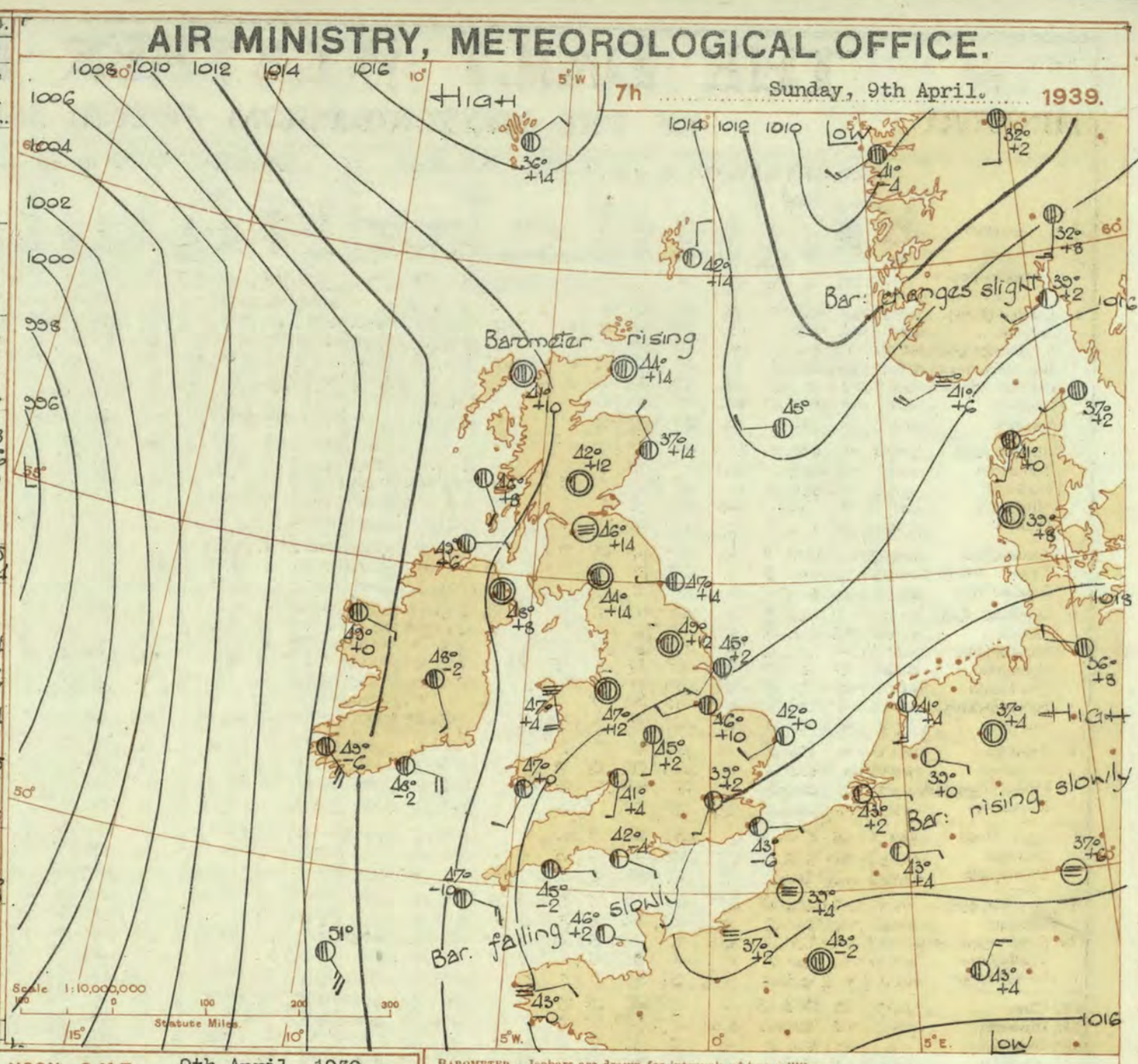
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 8th April 1939.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 7th to 9h. 8th	Temperature. (°F) Max. 9h.—17h. 8th	Rainfall. (mm.) Night 17h. 7th to 9h. 8th	Rainfall. (mm.) Day. 9h.—17h. 8th	Sunshine. (Hrs.) Sunrise to 17h. 8th	Sunshine. (Hrs.) Sunrise to Sunset. 7th
1	Tunbridge W.	b	bc	27	37	-	-	7.2	4.4
	Bournemouth	b	b	39	*	-	-	10.4	8.1
	Ventnor ...	xb	b	39	53	-	-	10.4	10.3
	Southsea ...	b	b	36	53	-	-	10.3	7.4
	Bognor Regis	b	b	35	49	-	-	10.7	6.0
	Littlehampton	bc	bc	34	49	-	-	10.2	3.3
	Worthing ...	b	b	36	54	-	-	10.4	1.4
	Brighton ...	b	b	36	49	-	-	9.0	0.6
	Eastbourne† ...	cbc	bcbbc	37	51	-	-	8.3	7.2
	Hastings† ...	bc	bcb	36	50	-	-	9.0	6.3
	Folkestone ...	b	bm.	39	52	-	-	9.5	8.0
	Dover ...	bc	bc	41	51	-	-	9.6	9.5
	Deal	ob	b	41	52	-	-	9.0	10.7
	Ramsgate ...	bc	bc	46	50	-	-	8.5	9.8
	Margate ...	bc	bc	42	49	-	-	7.5	9.6
2	Southend ...	cb	b	36	54	-	-	9.2	7.6
	Clacton-on-Sea	cbc	bcz	39	48	-	-	6.8	11.3
	Dovercourt ...	bc	bc	36	50	-	-	5.5	11.6
	Lowestoft ...	bbcz	bbc	41	47	-	-	7.0	12.0
	Skegness ...	cb	bbc	35	52	-	-	2.9	1.6
	Mablethorpe...	bcc	bcc	32	45	-	-	1.9	2.4
	Cleethorpes ...	cbcc	cbcc	34	53	-	-	0.7	1.8
3	Leamington S.	c	c	31	53	-	-	0.9	7.5
4	Cheltenham†	cqc	cbc	35	54	-	-	4.2	9.4
5	Bath	cbc	bcc	31	54	-	-	3.5	9.1
	Weymouth ...	bcb	b	35	53	-	-	9.2	11.1
	Jersey ...	c	cb	42	51	-	-	5.4	0.8
	Torquay ...	wom.c	cb	35	51	-	-	4.0	11.4
	Falmouth ...	c	b	38	52	-	-	5.5	11.6
	Penzance ...	bcbc	bcb	39	53	-	-	7.9	9.7
	St. Ives ...								
	Bude... ...	bc	bc	36	55	-	-	8.4	11.4
	Ilfracombe ...	bcbz	cbcz	40	56	-	-	7.0	1.1
6	Aberystwyth	cir.	c	40	50	-	0.3	0.0	5.5
7	Llandudno ...	c	c	40	53	-	-	0.1	3.2
	Colwyn Bay...	c	c	37	51	-	-	0.2	2.3
	Rhyl	cm.r.	cpr.	37	51	-	0.1	0.0	2.3
8	Wallasey ...	cir	irc	40	52	-	0.5	0.0	0.5
	Southport ...	czor	ozror	38	50	-	0.4	0.0	5.5
	Blackpool ...	cm.	iror	38	49	-	2	0.0	7.6
	Morecambe ...	cir	cdr	39	48	-	6	0.0	10.3
9	Ilkley... ...	c	c	35	51	-	-	0.0	7.1
	Harrogate ...	c	c	37	48	-	-	0.0	6.0
10	Berwick-on-T.	cor.	d.m.o	38	47	-	Trace	0.0	10.0
11	Dunbar ...	cm.	cm.	41	60	-	-	0.1	9.9
12	Troon... ...	ocpoc	ocdoc	42	48	Trace	1	0.0	8.6
	Douglas ...	cr	of	43	47	0.5	7	0.0	8.9

† 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. 9th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable to southeasterly wind; fair or fine; local fog at night, rather warm by day; local ground frost at night.
5 S.W. England 6 South Wales ...	South to southeast wind, light to moderate, freshening; fair to cloudy, local rain tonight and tomorrow; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable to southerly wind; mainly cloudy, local drizzle; some bright periods; local coastal fog; average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland.	Southerly wind, light to moderate; cloudy, occasional rain or drizzle; local fog; average temperature.
14 Mid Scotland 15 N. E. Scotland	Light variable wind; cloudy, some bright periods; occasional drizzle; average temperature.
16 Orkney and Shetland	Light variable wind, becoming southerly, moderate; cloudy; average temperature.
17 N. W. Ireland 18 N. E. Ireland	As 7 - 11.
19 S.E. Ireland 20 S. W Ireland	South to southeast wind, moderate or fresh; cloudy or dull; occasional rain; average temperature.

GENERAL INFERENCE.

A ridge of high pressure extends from the Baltic to Eastern England while a depression on the Atlantic about 600 miles west of Ireland is almost stationary. A secondary depression northwest of Spain will move eastnortheast. In the West there will be occasional rain, but some bright intervals will occur. In the South and East, fair or fine conditions will prevail. Coastal fog is likely in the South and West.

FURTHER OUTLOOK.

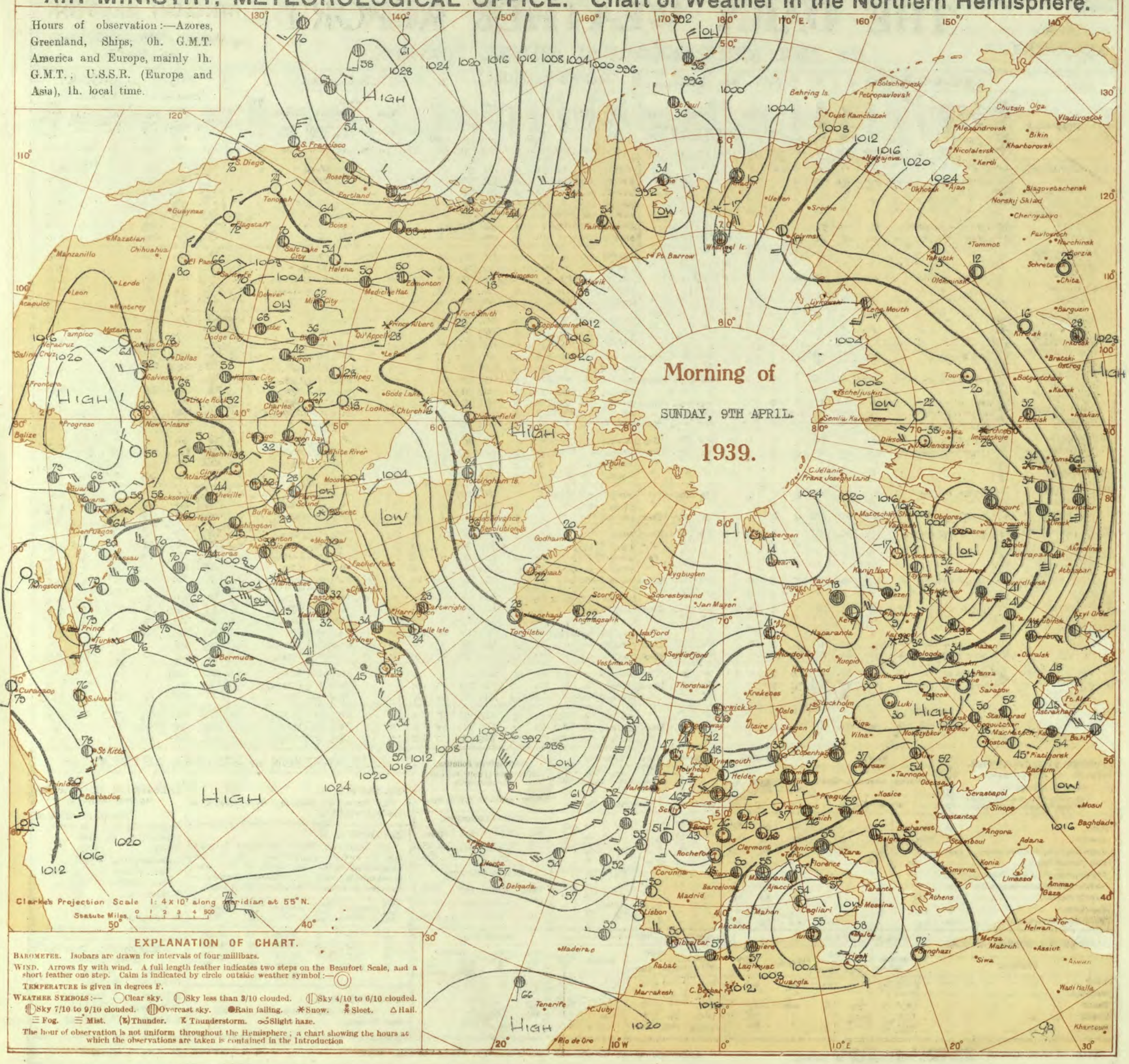
Unsettled in the West and North; mainly fair in the Southeast.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G 465 3670 W 9103 D 4626 Gp 348 35400 4/39.

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, 9th April, 1939
No. 28262.

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

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	1018·0	-2	-	0	bc	40	92	8	-	-	1	0	4-6	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1019·4	-2	WSW	1	fg	40	92	6	-	-	2	0	4-6	-
	Manston	154	1018·1	-6	S	2	bc	41	85	6	-	-	8	0	2-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1017·4	-6	SW	2	bc	44	85	6	-	7	-	0	4-6	-
	Mildenhall	19														
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1017·0	-4	S	3	bc	44	97	8	5	-	-	4-6	4-6	2500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32														
	Plymouth	82	1018·1	-8	WSW	2	bc	46	85	8	5	-	-	4-6	4-6	2500
	The Lizard	240														
	Scilly (St. Mary's)	163	1017·3	-4	SE'S	1	c	46	97	7	5	-	-	10	10	1500
	Guernsey	175	1017·1	+2	SSE	2	b	46	97	7	-	-	-	0	0	-
6	Pembroke	142	1018·0	-8	-	0	bc	40	97	6	5	-	-	4-6	4-6	2500
7	Holyhead	26	1016·8	0	SW	3	c	47	97	7	8	2	-	7-8	9+	1500
	Chester (Sealand)	16	1014·0	+2	SSW	4	of	47	97	3	5	-	-	10	10	4150
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1015·1	0	SW'S	3	c	46	85	6	-	2	-	0	10	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1012·2	+6	SW	2	0	48	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1011·6	+10	NW	1	fog	46	92	7	3	2	-	7-8	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1012·7	+14	W'S	4	d.d.	51	97	7	8	2	-	7-8	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1011·9	+10	-	0	bc	41	92	7	5	4	-	2-3	2-3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011·6	+16	SSW	1	c	42	92	6	5	7	-	4-6	7-8	1500
16	Lerwick	156	1011·1	+20	NNW	2	bc	40	92	8	5	-	-	4-6	4-6	1500
17	Blacksod Point	18	1010·9	0	S	3	c	50	97	7	5	-	-	9	9	220
18	Malin Head	84	1011·7	+6	S	1	d/d	47	92	6	5	-	-	9	9	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011·8	-2	S	3	id	50	97	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 9th 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)	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)	1018·0	0	-	0	z_0	40	97	5	-	-	4	0	4-6	-	1	*
Croydon	1018·0	+2	S'W	1	z_0	39	92	6	-	-	3	0	2-3	-	1	*
S. Farnborough	1017·6	+2	-	0	z_0	36	97	6	-	-	1	0	2-3	-	1	*
Boscombe Down	1017·9	0	-	0	m	33	97	4	-	4	1	0	2-3	-	1	*
Calshot (Sthmtn.)	1017·8	+4	NW'N	1	cF	38	92	1	-	2	-	0	10	-	1	0
Lympne	1018·6	-6	E	1	z_0	43	85	6	-	-	8	0	2-3	-	0	1
Manston	1018·3	+6	-	0	z_0	40	92	5	-	-	1	0	2-3	-	1	*
Shoeburyness	1017·8	+2	-	0	m	41	97	4	-	-	5	0	2-3	-	1	*
Felixstowe	1018·0	+2	WSW	1	m	42	97	4	-	-	4	0	2-3	-	1	0
Gorleston	1017·2	0	SW'W	2	bc	42	85	5	5	4	-	2-3	4-6	2500	0	2
Mildenhall	1017·3	+6	S'W	2	z_0	42	92	6	5	3	1	1	2-3	4000	1	*
Cranwell	1016·2	+10	WSW	2	z_0	46	92	6	5	-	-	9+	9+	5700	1	*
Birmingham	1017·0	+2	S	1	c	45	85	7	-	3	2	0	7-8	-	1	*
Upper Heyford	1017·7	+2	S	1	z_0	39	97	5	-	4	9	0	4-6	-	1	*
Ross-on-Wye	1017·0	+4	S'W	1	z_0	41	92	6	-	-	2	0	4-6	-	1	*
Hartland Point	1016·0	-2	SSE	3	bc	41	97	7	4	-	8	4-6	4-6	2500	0	2
Bristol	1017·3	0	-	0	z_0	38	97	6	-	4	4	0	4-6	-	1	
Portland Bill	1017·3	-4	ESE	1	bc	42	85	8	1	-	-	4-6	4-6	2500	1	2
Plymouth	1016·6	-2	E	1	c	45	85	7	5	-	-	10	10	2500	1	1
The Lizard	1015·8	-6	SE'S	4	c	45	85	8	8	-	-	9+	9+	2500	1	2
Scilly (St. Mary's)	1014·8	-10	SE'E	3	c	47	92	7	5	7	-	4-6	9+	2500	0	2
Guernsey	1016·9	+2	E'S	1	bc	46	85	7	-	1	8	0	4-6	-	1	1
Pembroke	1015·5	0	S'W	2	c	47	92	6	5	-	-	9+	9+	2500	1	2
Holyhead	1015·0	+4	SSE	4	of	47	97	8	5	-	-	10	10	4150	1	2
Chester (Sealand)	1015·9	+12	-	0	c	47	92	8	5	-	-	10	10	4000	1	*
Manchester	1016·1	+8	S'W	1	z_0	47	92	6	-	7	-	0	10	-	1	*
Spurn Head	1015·7	+2	SSW	2	c	45	92	5	5	8	-	4-6	7-8	2500	0	1
Catterick	1015·2	+12	-	0	c	49	85	8	5	-	-	9	9	4000	1	*
Tynemouth	1014·8	+14	W	1	c	47	85	6	8	-	-	7-8	7-8	1500	1	1
St. Abbs Head	1014·4	+20	NW	1	c	44	97	6	5	2	-	7-8	10	1500	1	2
Leuchars	1014·7	+18	-	0	z_0	45	92	6	5	-	-	10	10	2500	1	*
Renfrew (Abbots L.)	1014·8	+14	-	0	of	46	97	3	5	-	-	10	10	450	1	*
Eskdalemuir	1015·0	+14	-	0	c	44	97	6	5	-	-	9+	9+	220	1	*
Point of Ayre	1014·4	+8	W	2	c	50	97	8	4	2	-	4-6	10	4000	1	1
Tiree	1012·9	+8	SE'S	2	c	46	97	6	5	-	-	7-8	9	1500	0	2
Stornoway	1013·7	+10	-	0	c	41	97	7	5	7	-	4-6	10	2500	1	0
Dalwhinnie	*	+12	-	0	b	42	85	8	4	-	-	Tr	Tr	4000	0	*
Aberdeen	1014·9	+14	NNW	2	c	37	92	6	-	3	-	0	7-8	-	1	1
Wick	1014·5	+14	-	0	c	44	97	7	5	7	9	4-6	7-8	1500	1	0
Lerwick	1015·1	+14	N	2	bc	42	75	8	5	4	-	2-3	4-6	1500	1	*
Blacksod Point	1011·3	0	SE	1	c	49	97	7	5	-	-	10	10	450	1	2
Malin Head	1012·1	+6	E	1	c	49	92	8	4	-	-	7-8	7-8	2500	0	1
Aldergrove	1014·0	+8	-	0	z_0	48	97	6	5	1	-	7-8	10	800	1	*
Birr Castle	1012·5	-2	SSE	1	c	48	85	8	5	4	8	4-6	9	2500	1	*
Valentia Obsy. †	1010·1	-6	SSE	5	c	49	85	8	5	5	-	7-8	9+	1500	1	3
Roches Point	1012·9	-2	SE	4	c	48	97	7	5	3	5	2-3	7-8	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 8th Hrs. (36)
London (Kew)	54	37	27	-	Tr	9.7
Croydon	57	36	33	-	-	9.7
S. Farnborough	56	30	27	-	-	9.4
Boscombe Down	54	32	28	-	-	5.6
Calshot (Sthmtn.)	53	33	*	-	-	11.3
Lympne	51	36	28	-	0.1	11.5
Manston	52	37	29	-	-	7.6
Shoeburyness	50	37	29	-	-	8.6
Felixstowe	49	38	*	-	-	5.3
Gorleston	46	41	38	-	-	6.9
Mildenhall	50	38	34	-	Tr	7.6
Cranwell	52	43	38	-	-	0.8
Birmingham	52	43	40	-	-	1.0
Upper Heyford	54	36	27	-	-	*
Ross-on-Wye	54	39	28	-	-	3.4
Hartland Point	51	38	37	-	-	7.3
Bristol	54	34	28	-	-	4.2
Portland Bill	51	42	*	-	-	*
Plymouth	51	44	41	-	-	2.8
The Lizard	52	44	*	-	-	8.3
Scilly (St. Mary's)	53	45	*	-	Tr	11.5
Guernsey	52	38	29	-	-	9.0
Pembroke	49	46	*	-	-	0.0
Holyhead	48	46	45	2	0.1	0.0
Manchester	52	46	41	0.3	-	0.0
Spurn Head	51	46	43	0.1	Tr	0.0
Catterick	54	44	*	-	-	1.4
Tynemouth	48	47	44	0.3	-	0.0
St. Abbs Head	48	47	42	4	1	0.0
Leuchars	46	43	*	Tr	*	*
Renfrew (Abbots L.)	48	43	43	-	-	0.0
Eskdalemuir	49	44	43	0.4	2	0.0
Point of Ayre	44	42	40	5	2	0.0
Tiree	52	49	*	2	1	0.0
Stornoway	49	42	39	-	-	0.1
Dalwhinnie	49	39	*	0.2	-	2.5
Aberdeen	45	42	35	-	2	0.1
Wick	51	34	29	Tr	-	6.1
Lerwick	53	38	*	-	-	*
Blacksod Point	*	*	*	2	-	3.0
Malin Head	52	48	*	1	Tr	*
Aldergrove	50	45	*	3	Tr	0.0
Birr Castle	51	47	41	6	0.1	0.0
Valentia Obsy. †	59	48	43	0.3	Tr	0.8
Roches Point	55	49	45	0.6	2	0.0
	50	48	*	1	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.	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	bxbz4	bbcz4	bczm	54	37	27	-	Tr	9.7	*	*	6
Croydon	217	cfbz⊕	cbcz4	bwbew	57	36	33	-	-	9.7	*	*	6
Greenwich (Royal Observatory)	149	bc	cb	bxb	57	36	30	-	-	8.0	51	66	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7.5	*	*	*
Westminster (St. James' Park)	27	*	*	*	56	38	38	Tr		9.0	74	75	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	55	38	31	-	-	7.9	50	66	*
Camden Square	110	o	bc	*	56	39	31	-	-		*	78	*
Kensington	80	bcz	bcz	*	56	38	31	-	-	8.5	At 18h 56	69	*
Hampstead Observatory	450	bc	bc	bcm	54	39	32	-	-	9.1	*	73	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 9th

South Kensington Max.	Time.	Min.	Time.
1.3	5-6h 9+h	0.3	14-15h 8th

Kew Observatory Max.	Time.	Min.	Time.
0.4	20h 8th	0.1	15h 8th

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1016·9	NE	2	b	57
Brussels					
Berlin	1017·5	SE	1	bc	46
Zürich	1014·8	NNE	1	c	54
Rome	1007·4	-	0	d	57

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

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1017·4	-	0	z_0	43
Brussels	1018·3	E	1	bc	43
Berlin	1018·5	-	0	z_0	41
Zürich	1014·2	N	2	o	48
Rome	1003·3	NE	1	id	55

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	61	39	-	-
Brussels		36		-
Berlin	52	34	-	-
Zürich	55	48	-	-
Rome	*	*	Tr	0.3

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.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 10th April, 1939..
No. 28263.

OBSERVATIONS at 13h. G.M.T. 9th 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)	°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)...	1017·0	-10	SSW	1	z$_o$	56	55	6	-	-	-	0	0	-
	Croydon	1017·3	-10	S	1	b	62	55	7	-	-	1	0	Tr	-
	S. Farnborough	1016·3	-10	SSE	2	b	60	55	7	-	-	1	0	1	-
	Boscombe Down	1016·7	-14	S	2	b	58	55	7	-	4	1	0	Tr	-
	Calshot (Soton.)	1017·7	-8	ESE	2	c	53	75	7	-	-	2	0	7-8	-
	Lympne ...	1018·7	-6	SE	1	b	53	65	7	-	-	:	0	Tr	-
	Manston ...	1018·1	-8	SE'E	2	bc	55	55	6	-	-	8	0	2-3	-
2	Shoeburyness ...	1017·6	-8	ESE	3	z$_o$	56	65	6	-	-	-	0	0	-
	Felixstowe ...	1018·2	+2	SSE	3	z$_o$	53	65	6	-	-	1	0	Tr	-
	Gorleston ...	1017·5	-4	S'E	4	bc	51	75	5	1	-	-	4-6	4-6	2500
	Mildenhall ...	1017·1	-8	S'W	1	bc	63	55	7	1	-	1	Tr	4-6	4000
	Cranwell ...	1016·5	+6	SE	1	c	60	65	7	7	-	-	7-8	7-8	2500
3	Birmingham ...	1016·2	-2	SSE	2	b	61	55	8	1	-	-	Tr	Tr	2500
	Upper Heyford	1016·9	-10	S	1	b	59	55	7	1	-	9	Tr	1	4000
4	Ross-on-Wye ...	1015·9	-8	SSE	3	b	61	55	7	1	-	1	Tr	Tr	4000
5	Hartland Point	1015·2	-12	W	2	bc	53	75	7	1	-	5	4-6	4-6	2500
	Bristol	1016·7	-6	S'W	2	bc	57	65	8	1	4	1	2-3	2-3	4000
	Portland Bill ...	1015·5	-6	E	2	bc	49	92	7	5	-	-	4-6	4-6	2500
	Plymouth ...	1016·0	-10	SE'E	3	bc	53	75	7	5	7	-	2-3	4-6	2500
	The Lizard ...	1014·3	-8	E'S	4	c	49	92	7	5	2	-	7-8	9+	1500
	Scilly (St. Mary's)	1013·4	-10	SE	5	c	51	85	7	5	6	-	7-8	9+	2500
	Guernsey ...	1016·1	-6	E'S	1	b	52	75	7	-	-	1	0	1	-
6	Pembroke ...	1015·5	-4	S	4	c	47	85	7	5	1	-	7-8	9+	1500
7	Holyhead ...	1015·4	-2	S	3	c	52	75	7	5	-	8	7-8	7-8	800
	Chester (Sealand)	1015·8	-6	ESE	2	c	62	65	8	2	3	-	9	9+	2500
8	Manchester ...	1016·2	-6	NE	1	m	58	65	4	1	3	-	Tr	9+	4000
10	Spurn Head ...	1017·3	+2	-	0	c	57	75	6	5	8	-	4-6	7-8	4000
	Catterick ...	1016·2	+2	SE'S	1	c	55	85	6	5	2	-	4-6	10	2500
	Tynemouth ...	1016·8	+6	E	2	c	49	85	6	8	-	-	9	9	1500
11	St. Abbs Head...	1016·5	+4	SE	1	c	51	85	6	8	6	-	4-6	9+	1500
	Leuchars ...	1016·6	+6	ESE	3	c	50	75	7	5	-	8	4-6	7-8	4000
12	Renfrew (AbbotsI.)	1015·5	-2	ENE	2	z$_o$	55	75	5	5	-	-	10	10	2500
	Eskdalemuir ...	1015·9	+4	S'W	2	c	61	85	6	5	-	-	10	10	800
	Point of Ayre ...	1015·4	0	NE	2	c	49	97	6	5	2	-	7-8	10	1500
13A	Tiree	1013·4	0	SE'E	4	c	52	85	8	5	7	-	4-6	7-8	1500
13B	Stornoway ...	1014·7	+2	SE	2	c	49	85	8	5	5	-	4-6	7-8	2500
15	Dalwhinnie ...	1014·7	+2	SE	3	c	47	45	8	8	2	-	7-8	9+	2500
	Aberdeen ...	1017·6	+8	ESE	2	f	41	97	3	-	-	-	10	10	<150
	Wick	1017·3	+12	ESE	3	fg	46	92	1	-	-	-	10	10	<150
16	Lerwick... ...	1019·5	+22	E'S	2	bc	43	65	8	8	4	1	2-3	4-6	1500
17	Blacksod Point...	1009·3	-8	SE	3	c	52	85	8	-	6	-	0	9	-
18	Malin Head ...	1012·6	-10	E'S	4	c	54	85	8	8	8	-	4-6	9	5700
	Aldergrove ...	1013·3	-6	SSE	4	z$_o$	55	85	6	5	-	-	9	9	1500
19	Birr Castle ...	1012·3	-4	S	4	c	53	75	8	8	7	-	7-8	9	1500
20	Valentia Obsy.†	1008·9	-10	SE'S	6	c	52	65	8	8	4	-	7-8	9+	2500
	Roches Point ...	1012·7	-2	SSE	4	c	49	85	8	5	1	-	7-8	9	2500

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

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)	1015·5	-10	SSE	3	z$_o$	60	35	7	-	-	1	0	1	-	1	*
Croydon	1015·5	-10	E'S	2	bc	59	45	6	-	3	4	0	4-6	-	0	*
S. Farnborough	1015·4	-10	SSE	2	b	57	55	7	-	-	1	0	1	-	0	*
Boscombe Down	1015·1	-6	SE'E	2	b	55	55	6	-	-	1	0	1	-	1	*
Calshot (Soton.)	1015·7	-14	SE'E	3	z$_o$	48	85	6	-	4	1	0	Tr	-	1	1
Lympne	1017·1	-6	ESE	2	z$_o$	52	65	6	-	-	1	0	Tr	-	0	§0
Manston	1016·7	-8	ENE	2	bc	50	55	6	-	-	8	0	2-3	-	1	*
Shoeburyness	1016·5	-14	E'S	3	b	50	75	8	-	-	-	0	0	-	1	*
Felixstowe	1017·1	-6	SE	2	b	48	75	7	-	-	9	0	Tr	-	0	1
Gorleston	1016·9	0	S'E	3	bc	48	85	6	-	4	-	0	2-3	-	0	2
Mildenhall	1015·9	-2	SE'E	2	bc	59	65	8	-	-	8	0	2-3	-	0	*
Cranwell	1015·7	-4	E'S	2	c	58	75	7	5	-	-	9+	9+	4000	1	*
Birmingham	1015·4	-2	SE	2	bc	58	55	7	-	-	2	0	4-6	-	1	*
Upper Heyford	1015·6	-2	S	1	bc	59	55	7	-	4	9	0	2-3	-	1	*
Ross-on-Wye	1014·9	-4	S'W	2	bc	56	65	8	-	-	2	0	2-3	-	1	*
Hartland Point	1012·8	-10	S	2	bc	56	75	8	4	-	1	2-3	4-6	2500	0	2
Bristol	1015·2	-6	S	1	bc	56	55	7	-	4	6	0	4-6	-	1	*
Portland Bill	1015·1	-16	E	2	bc	46	92	7	5	-	-	2-3	2-3	2500	1	2
Plymouth	1013·6	-10	E	4	b	52	65	8	1	-	1	Tr	1	2500	0	1
The Lizard	1012·5	-8	E'S	3	bc	50	85	7	4	-	-	2-3	2-3	2500	0	1
Scilly (St. Mary's)	1011·6	-14	SE'E	4	c	49	97	6	5	-	-	9+	9+	2500	0	3
Guernsey	1014·2	-8	NE'E	1	b	49	85	7	-	-	-	0	0	-	1	1
Pembroke	1013·6	-10	SE	3	bc	50	85	7	5	7	2	Tr	2-3	1500	1	1
Holyhead	1014·1	-4	W'S	2	c	48	92	7	5	-	-	9	10	1500	1	1
Chester (Sealand)	1014·4	-6	SSE	3	c	60	55	8	-	9	-	0	9	-	1	*
Manchester	1014·5	-6	ESE	2	z$_o$	59	75	5	5	7	-	7-8	9+	5700	1	*
Spurn Head	1016·8	0	E'S	2	b	47	92	5	-	-	-	0	0	-	0	1
Catterick	1016·0	0	NE'E	1	m	53	85	4	5	3	-	4-6	9	2500	1	*
Tynemouth	1016·8	+4	E	2	of	45	97	3	5	-	-	10	10	1500	1	1
St. Abbs Head	1017·2	+2	SE	4	F+	43	97	1	5	-	-	10	10	<150	1	*
Leuchars	1017·3	+6	E	3	of	44	97	2	5	-	-	10	10	220	1	*
Renfrew (AbbotsI.)	1015·4	+2	E	3	z$_o$	52	75	6	5	2	-	9+	10	2500	1	*
Eskdalemuir	1015·4	-2	NNE	1	c	50	92	6	5	-	-	10	10	450	1	*
Point of Ayre	1014·6	-2	SE'S	3	c	47	97	6	5	-	6	4-6	9+	800	0	1
Tiree	1012·4	0	ESE	3	c	50	85	7	5	-	-	9+	9+	2500	0	2
Stornoway	1014·3	0	SE	3	c	48	85	8	5	7	-	4-6	10	2500	1	1
Dalwhinnie	1014·1	+10	ESE	4	c	47	86	7	4	7	-	4-6	7-8	2500	0	*
Aberdeen	1018·6	+8	SE'S	2	f	41	97	3	-	-	-	10	10	<150	1	1
Wick	1018·1	+6	SE	5	b	42	97	6	5	-	-	10	10	800	1	2
Lerwick	1020·6	+6	E'S	2	bc	42	65	8	5	3	1	2-3	4-6	1500	1	*
Blacksod Point	1006·8	-12	SE	4	c	51	85	8	-	7	-	0	9	-	0	4
Malin Head	1010·5	-16	S'E	4	c	54	75	8	4	7	-	4-6	7-8	5700	0	2
Aldergrove	1012·6	-2	S'E	4	c	50	75	8	-	3	7	0	10	-	1	*
Birr Castle	1010·1	-12	S	5	c	48	85	8	5	7	-	4-6	9	1500	1	*
Valentia Obsy.†	1006·1	-18	SE	5	c	51	75	8	8	-	-	9+	9+	2500	0	3
Roches Point	1009·9	-16	SE	5	c	48	92	8	5	1	-	4-6	9+	1500	1	3

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)	bcm$_o$wbz$_o$	bz$_o$yby	bybz$_o$	bm$_o$w
Croydon	bm$_o$z$_o$y	r$_o$	beyz$_o$bw	bm$_o$w
S. Farnborough	bm$_o$bz$_o$by	by	bybbm$_o$x	bm$_o$xbm$_o$w
Boscombe Down	bcfbcb	by	bybc	bcbcm$_o$
Calshot (Soton.)	c Febc	bcbm$_o$	cm$_o$bm$_o$w	bm$_o$wcm$_o$
Lympne	bm$_o$b	b	bz$_o$b	bm$_o$w
Manston	bcbmz$_o$y	bz$_o$y	beyz$_o$bw	bm$_o$w
Shoeburyness	bwm$_o$	bm$_o$b	bw	bwm$_o$
Felixstowe	bmbm$_o$	bm$_o$b	bbm$_o$	bm$_o$w
Gorleston	bcz$_o$z$_o$	bc	bcbw	bbcwz$_o$
Mildenhall	bm$_o$bcm$_o$	bcy	bc bcm$_o$w	bcm$_o$w
Cranwell	cz$_o$cbc	cbcc	cbcbm$_o$	bm$_o$x
Birmingham	bcb	b	bcb	b
Upper Heyford	bcm$_o$bm$_o$b	b	bbm$_o$	bm$_o$
Ross-on-Wye	bczby	bybcy	bcm$_o$w	bm$_o$w
Hartland Point	bcbc	bcbc	bc	bcbbc
Bristol	bcbbcb	bbcy	bcybm$_o$w	bbcm$_o$x
Portland Bill	bc	bcbc	b	bc
Plymouth	c,bc	b	b	bbcc
The Lizard	c	bc	bcbw	bcw
Scilly (St. Mary's)	c	c	cbcwz$_o$	bcwz$_o$c
Guernsey	bcb	bcb	bwz	bwz
Pembroke	cm$_o$	cz$_o$bc	bc	bccm$_o$
Holyhead	fo,b,c	c	cwb	bx
Chester (Sealand)	cz$_o$	cbcy	cybm$_o$w	bm$_o$wm
Manchester	cm$_o$z	czz$_o$	cz$_o$	cz$_o$bcz$_o$
Spurn Head	c	cbz$_o$	bcbmw	bcwjf
Catterick	cocm$_o$	cm$_o$dcm	cm	cmofw
Tynemouth	cbcc	coff	off	offo
St. Abbs Head	m$_o$c	FFe	FFe	FFe
Leuchars	om$_o$cbc	bccm$_o$f	cofefe	oirr$_o$fefe
Renfrew (AbbotsI.)	fcmm$_o$d	ocz$_o$	czm	com$_o$
Eskdalemuir	c	cm$_o$	cidc	cm$_o$
Point of Ayre	c	c	cbcbb	bcw
Tiree	c	c	c	cbcz$_o$
Stornoway	c	c	c	c
Dalwhinnie	bcc	bc		c
Aberdeen	bccff	ffd$_o$cff	cfez$_o$	ceid$_o$
Wick	cm$_o$f	Fm$_o$d	om$_o$	m$_o$d$_o$d
Lerwick	bc	bc	bcc	c
Blacksod Point	c	c	c	c
Malin Head	c	cbcc	cbcc	c
Aldergrove	id$_o$ccm$_o$	cm$_o$c	cbcb	b
Birr Castle	c	c	c	c
Valentia Obsy.†	c	c	idirr$_o$	cir$_o$c
Roches Point	c	c	c	id$_o$oz$_o$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, 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.*

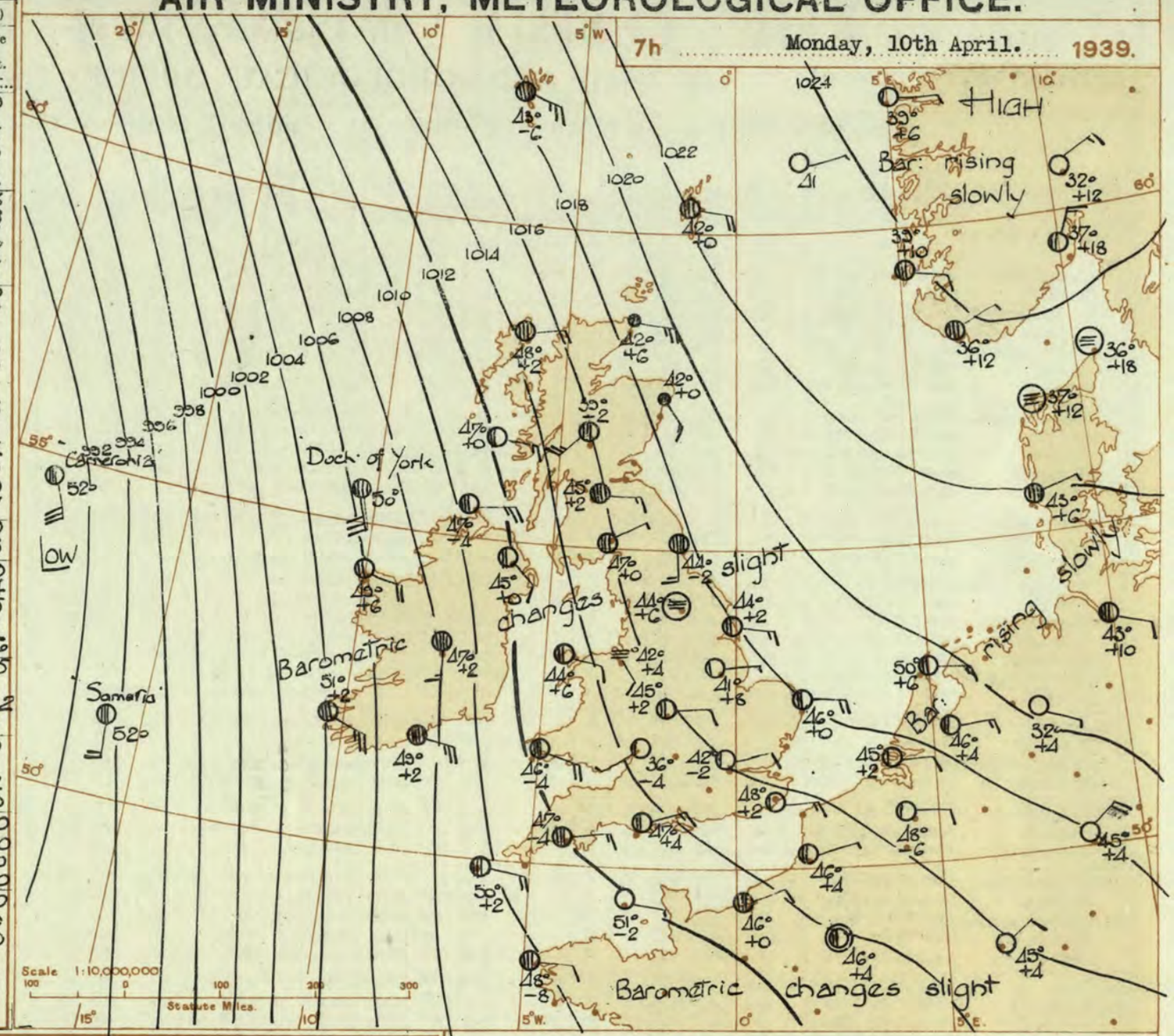
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 9th April, 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	b	b	31	64	-	-	10.9	7.9
	Bournemouth	b	b	34	57	-	-	7.5	11.4
	Ventnor ...	bz	bz	39	56	-	-	10.5	11.4
	Southsea ...	b	b	37	57	-	-	8.3	10.9
	Bognor Regis	b	b	36	53	-	-	10.9	11.4
	Littlehampton	b	b	34	55	-	-	10.7	10.8
	Worthing ...	b	b	35	54	-	-	11.3	11.3
	Brighton ...	b	b	36	53	-	-	11.0	9.7
	Eastbourne† ...	b	b	35	54	-	-	10.9	9.2
	Hastings† ...	b	b	37	54	-	-	*	9.5
	Folkestone ...	fcbc	b	36	57	-	-	9.3	10.0
	Dover ...	fbcb	b	37	57	-	-	9.2	9.9
	Deal	b	b	37	57	-	-	10.2	9.5
	Ramsgate ...	bcz	bc	40	52	-	-	10.3	9.3
	Margate ...	bc	bc	41	57	-	-	10.1	8.0
2	Southend ...	bmb	b	41	62	Trace	-	10.5	9.5
	Clacton-on-Sea	bm	bmz	40	53	-	-	10.4	6.8
	Dovercourt ...	bc	b	40	55	-	-	10.3	5.5
	Lowestoft ...	b	b	41	56	-	-	10.8	7.4
	Skegness ...	b	b	41	58	-	-	10.0	2.9
	Mablethorpe...	bc	bcz	41	59	Trace	-	8.2	1.9
	Cleethorpes ...	bcbc	bc	44	56	-	-	2.7	0.7
3	Leamington S.	b	b	44	63	-	-	10.5	0.9
4	Cheltenham†	b	bq	39	61	-	-	10.0	4.3
5	Bath	b	b	34	61	-	-	10.0	3.9
	Weymouth ...	mb	b	37	53	-	-	8.3	10.4
	Jersey ...	bcb	b	41	60	-	-	10.8	6.5
	Torquay ...	woc	b	36	52	-	-	5.1	4.2
	Falmouth ...	c	b	43	52	-	-	2.7	6.6
	Penzance ..	c	cbb	46	53	-	-	2.0	8.5
	St. Ives ...								
	Bude... ...	bc	bcb	39	58	-	-	8.4	9.2
	Ilfracombe ...	cbcz	cbcz	43	58	-	-	8.5	7.2
6	Aberystwyth	cbc	bcc	47	56	-	-	6.7	0.0
7	Llandudno ...	cbc	cbc	47	53	-	-	2.8	0.1
	Colwyn Bay ..	co	obcbc	47	53	-	-	1.6	0.2
	Rhyl	cbcc	cbc	45	57	-	-	2.1	0.0
8	Wallasey ...	cbc	bc	45	63	-	-	2.5	0.0
	Southport ...	ozocz	bcobc	45	59	1	-	1.3	0.0
	Blackpool ...	cmo	cmo	44	58	1	-	0.7	0.0
	Morecambe ...	cdr	cbcc	43	57	3	0.3	1.1	0.0
9	Ilkley... ...	o	o	42	56	-	-	0.0	0.0
	Harrogate ...	c	c	43	56	-	-	0.1	0.0
10	Berwick-on-T.	oc	bcfo	43	49	3	-	1.8	0.0
11	Dunbar ...	cmor	cmo	43	50	2	*	4.3	0.1
12	Troon... ...	ddoco	oco	44	54	Trace	Trace	0.0	0.0
	Douglas ...	ofir	ofcf	43	49	0.5	-	0.0	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. 10th April, 1939.
1 S.E. England 2 E. England ...	Wind east, moderate veering south; fine to-day; rather more cloud tomorrow; rather warm by day inland; average temperature on 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 ...	Wind southeast moderate, veering south; fine at first; cloud increasing with local rain slowly spreading from the West; local thunderstorms possible; rather warm to-day then cooler.
10 N.E. England 11 S.E. Scotland	Wind south, moderate; mainly fine; rather warm.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	As 3 - 9.
15 N. E. Scotland 16 Orkney and Shetland	Wind southeast, moderate, veering south; dull, with some drizzle and local coast fog at first; improving temporarily; rather cold.
17 N. W. Ireland	As 20.
18 N. E. Ireland	Wind southeast, moderate or fresh, veering south; becoming cloudy with some rain; brighter periods and showers later; becoming cooler
19 S. E. Ireland 20 S. W. Ireland	Wind south to southwest, fresh to moderate; variable sky; some showers or occasional rain; average temperature.

GENERAL INFERENCE.

An anticyclone over Scandinavia will move southeast. A depression on the Atlantic will drift north-northeast and become less deep whilst an associated feeble trough over Ireland will also move slowly northeast. There will be a gradual change to less settled and cooler weather in the western districts of Great Britain but fine rather warm conditions will continue in the East.

FURTHER OUTLOOK.

None issued.

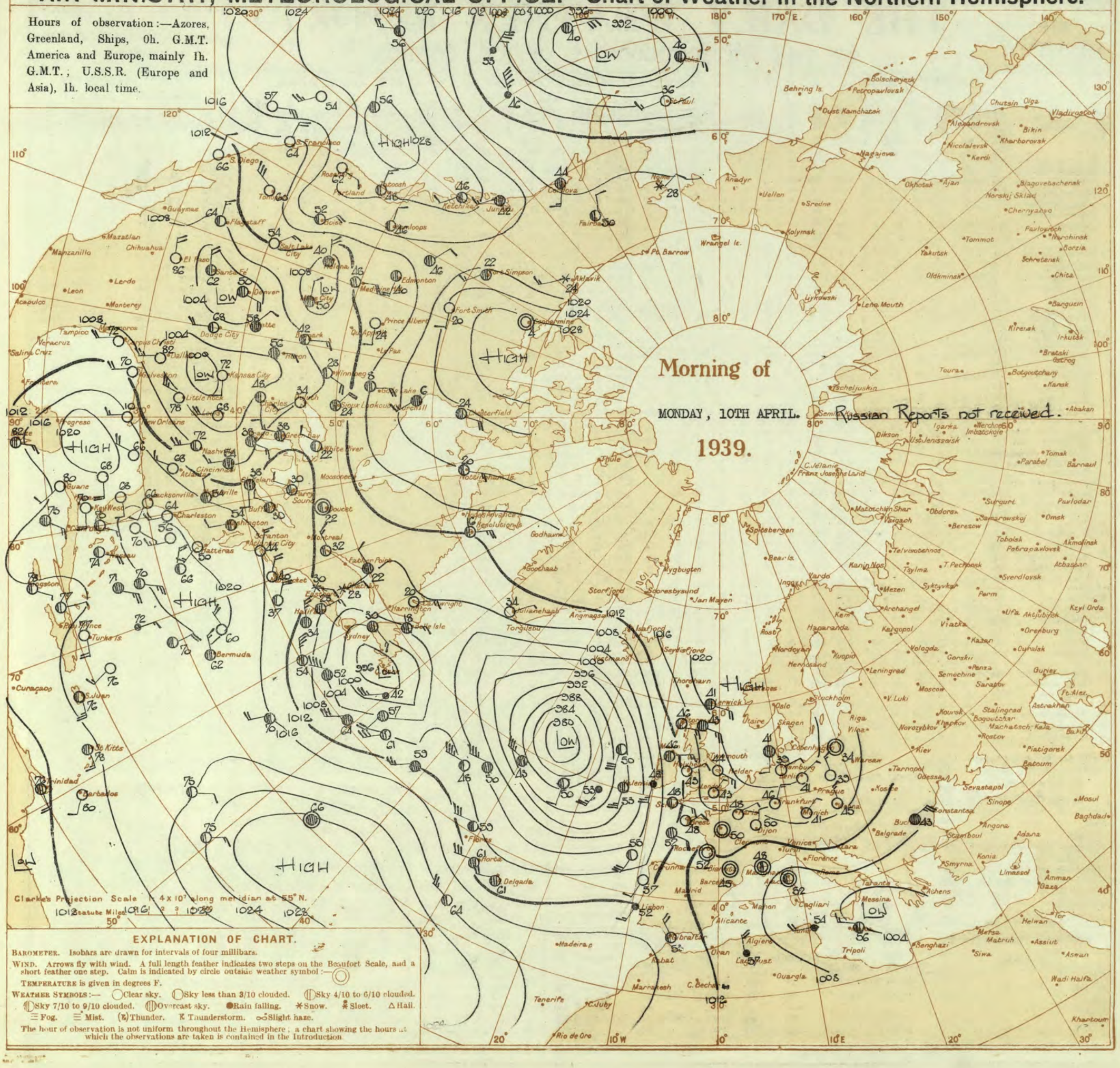
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G.465/3670. Wt. 8109. D.4626. Gp. 948. 35400 4/39.

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, 10th April, 1939.
No. 28263.

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

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	1016.5	0	NE	1	z	43	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.9	-6	E	3	b	46	85	7	-	-	-	0	0	-
	Manston ...	154	1016.6	-6	E'N	4	b	46	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.2	+4	SE'E	1	b	44	85	6	-	-	-	0	0	-
	Mildenhall ...	19														
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1012.6	0	E	3	bc	44	75	8	4	-	-	2-3	2-3	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1014.4	-6	E	3	b	46	92	7	-	-	-	0	0	-
	Plymouth ...	82														
	The Lizard ...	240	1012.3	-4	E'N	2	b	46	97	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1010.5	-10	SE	3	z	48	97	6	5	-	-	2-3	2-3	2500
	Guernsey ...	175	1013.6	-8	SE	1	z	46	92	6	-	-	-	0	0	-
6	Pembroke ...	142	1012.9	-2	SE'S	4	bc	47	85	7	5	-	-	2-3	2-3	1500
7	Holyhead ...	26	1013.4	-6	E'N	2	b	43	92	7	2	-	-	Tr	Tr	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.5	0	SE'S	3	b	44	92	5	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1018.1	0	SE	3	of	43	97	3	5	-	-	10	10	1500
11	St. Abbs Head	280	1017.6	0	SE	5	cF	41	97	0	-	-	-	10	10	<150
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1014.6	0	SE'S	1	b	40	97	6	-	4	-	0	1	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014.2	-4	E	3	c	46	92	7	5	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018.9	+2	SE	5	o	43	97	5	5	-	-	10	10	800
16	Lerwick ...	156	1022.2	-2	SE	4	c	41	86	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1006.4	-2	SE	4	c	49	92	7	8	-	-	7-8	7-8	1500
18	Malin Head ...	84	1011.3	+12	E	3	c	46	85	7	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1004.4	-2	SSE	5	RR	48	97	6	[illegible]	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th 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)	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)	1015.1	-2	ENE	3	z	46	85	5	-	-	1	0	Tr	-	1	*
Croydon	1016.0	-2	E'N	2	z	42	97	5	-	4	-	0	Tr	-	1	*
S. Farnborough	1015.0	0	E'N	2	z	41	97	5	-	-	1	0	2-3	-	0	*
Boscombe Down	1014.7	-6	E	3	z	43	85	6	-	-	8	0	4-6	-	1	*
Calshot (Sthmtn.)	1014.4	+4	NNE	2	z	45	85	6	-	-	2	0	9	-	1	0
Lympne	1016.3	+2	E	3	z	48	85	6	-	-	1	0	Tr	-	0	§ 2
Manston	1016.2	+2	E'S	3	z	47	75	6	-	-	-	0	0	-	1	*
Shoeburyness	1016.0	-2	E	2	b	48	85	6	-	-	-	0	0	-	1	*
Felixstowe	1017.0	+2	ESE	3	z	47	85	6	-	-	5	0	Tr	-	0	1
Gorleston	1018.3	0	SE'E	4	bc	46	85	6	-	5	-	0	2-3	-	1	2
Mildenhall	1017.0	+2	E	2	z	45	85	6	-	3	2	0	2-3	-	1	*
Cranwell	1017.3	+8	E	1	z	41	97	5	-	4	1	0	1	-	1	*
Birmingham	1015.8	+2	E	2	bc	45	75	6	-	-	1	0	2-3	-	1	*
Upper Heyford	1015.9	0	ENE	2	z	43	85	6	-	4	9	0	Tr	-	1	*
Ross-on-Wye	1015.1	-4	SW	1	z	36	92	5	-	-	1	0	1	-	1	*
Hartland Point	1011.4	0	E	3	bc	46	92	7	4	-	2	2-3	4-6	2500	0	2
Bristol	1014.4	-2	S	1	z	38	85	6	-	-	5	0	2-3	-	1	
Portland Bill	1012.8	+4	ENE	3	bc	47	92	7	5	-	-	4-6	4-6	1500	1	3
Plymouth	1012.0	-4	E	3	c	47	85	7	-	-	8	0	7-8	-	1	1
The Lizard	1010.9	+2	ENE	3	bc	47	97	7	4	-	-	2-3	2-3	2500	0	1
Scilly (St. Mary's)	1009.7	+2	SE'E	4	c	50	97	6	5	7	3	2-3	7-8	2500	0	2
Guernsey	1011.7	-2	ESE	1	z	51	75	6	-	-	[illegible]	0	0	-	0	1
Pembroke	1012.2	-4	SE	4	c	46	85	6	5	7	1	4-6	7-8	1500	1	2
Holyhead	1012.8	+6	SE'E	2	bc	44	85	9	-	-	5	0	2-3	-	1	1
Chester (Sealand)	1015.2	+4	SSE	2	m	42	92	4	-	-	-	0	0	-	1	*
Manchester	1015.8	+8	E'S	3	z	47	75	6	-	-	2	0	2-3	-	1	*
Spurn Head	1018.2	+2	E'S	3	bc	44	85	6	-	-	5	0	4-6	-	1	2
Catterick	1017.7	+6	-	0	f	44	97	2	-	-	-	10	10	<150	1	*
Tynemouth	1018.0	-2	S	3	o/f	44	97	5	5	-	-	10	10	1500	1	1
St. Abbs Head	1017.5	+2	SSE	4	oF	42	97	0	5	-	-	10	10	<150	1	*
Leuchars	1017.8	+2	ESE	2	oF	43	97	2	-	2	-	10	10	220	1	*
Renfrew (Abbots I.)	1015.7	+2	E'S	3	z	45	92	6	5	-	-	10	10	450	1	*
Eskdalemuir	1016.0	0	NE'E	1	c	47	85	6	5	2	6	4-6	9+	800	1	*
Point of Ayre	1014.1	0	S	1	bc	45	97	6	-	-	6	0	4-6	-	1	1
Tiree	1012.1	0	ESE	3	bc	47	92	6	-	7	-	0	2-3	-	0	2
Stornoway	1014.2	+2	E	4	c	48	85	7	5	7	7	4-6	7-8	2500	0	2
Dalwhinnie	1018.0	-2	SW	5	c	39	97	7	9	2	-	4-6	10	1500	0	*
Aberdeen	1019.0	0	SSE	3	id	42	97	5	6	2	-	7-8	10	450	1	1
Wick	1018.8	+6	SE	5	d	42	97	6	5	2	-	9	10	800	1	2
Lerwick	1022.2	0	SE	4	c	42	85	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1005.7	+6	SE	4	bc	49	92	7	-	6	-	0	4-6	-	0	4
Malin Head	1009.2	-4	E'S	5	c	47	85	6	4	3	-	2-3	7-8	5700	0	2
Aldergrove	1012.2	0	SSE	2	z	45	85	6	-	-	3	0	2-3	-	1	*
Birr Castle	1008.5	+2	S	3	c	47	92	8	5	-	-	10	10	2500	1	*
Valentia Obsy. †	1004.6	+2	SE'S	5	c	51	85	8	8	-	-	9+	9+	1500	1	3
Roches Point	1007.8	+2	SE	5	z	49	97	5	5	-	-	10	10	800	1	4

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 9th Hrs. (36)
London (Kew)	62	43	32	-	Tr	11.1
Croydon	63	37	32	-	-	11.9
S. Farnborough	62	33	28	-	-	11.5
Boscombe Down	60	40	33	-	-	10.2
Calshot (Sthmtn.)	54	40	36	-	-	8.5
Lympne	57	42	38	-	-	12.1
Manston	57	44	39	-	-	11.0
Shoeburyness	58	36	29	-	-	10.7
Felixstowe	55	44	*	-	-	11.2
Gorleston	54	42	40	-	-	11.1
Mildenhall	65	38	34	-	Tr	11.6
Cranwell	63	36	27	-	-	4.6
Birmingham	62	43	35	-	-	10.7
Upper Heyford	63	39	32	-	-	*
Ross-on-Wye	63	34	22	-	-	10.7
Hartland Point	58	43	41	-	-	8.1
Bristol	59	34	26	-	-	11.2
Portland Bill	50	42	*	-	-	*
Plymouth	55	45	43	-	-	6.7
The Lizard	52	45	*	-	-	4.2
Scilly (St. Mary's)	52	47	*	-	Tr	0.6
Guernsey	53	44	34	-	-	11.9
Pembroke	50	45	*	-	-	3.7
Holyhead	55	41	30	-	0.1	3.0
Chester (Sealand)	65	41	33	-	-	5.8
Manchester	61	44	37	-	-	0.6
Spurn Head	59	43	*	-	Tr	3.3
Catterick	57	42	39	-	-	0.2
Tynemouth	53	42	41	+	-	4.7
St. Abbs Head	53	40	*	Tr	0.3	*
Leuchars	52	42	41	-	1	3.7
Renfrew (Abbots I.)	57	44	42	-	-	0.4
Eskdalemuir	52	45	*	-	Tr	0.0
Point of Ayre	53	38	*	+	-	0.1
Tiree	52	46	44	-	-	0.2
Stornoway	52	46	*	-	-	2.8
Dalwhinnie	48	38	39	-	-	5.4
Aberdeen	45	41	40	Tr	0.6	1.1
Wick	47	41	*	-	Tr	*
Lerwick	45	38	*	-	-	12.4
Blacksod Point	55	47	*	Tr	-	*
Malin Head	56	44	*	-	-	0.1
Aldergrove	57	42	32	Tr	-	0.7
Birr Castle	57	46	44	-	-	1.9
Valentia Obsy. †	54	49	47	-	4	1.4
Roches Point	49	48	*	-	-	*

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. (To-day)
Kew	18	bcmwbz	bzyby	bybz	62	43	32	-	Tr	11.1	•	•	5
Croydon	217	bmzy	r by	bcyzm	63	37	32	-	-	11.9	•	•	6
Greenwich (Royal Observatory)	149	by	by	bw	65	40	30	-	Tr	11.3	43	69	6
City (Sunhill Row)	—	•	•	•	•	•	•	•	•	10.5	•	•	•
Westminster (St. James' Park)	27	•	•	•	65	45	39	—		10.9	54	75	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	64	42	38	-	-	10.5	43	74	•
Camden Square	110	o	b	•	66	41	34	-	-	•	•	70	•
Kensington	80	b	b	•	64	43	35	-	-	11.1	At 18h 42	70	•
Hampstead Observatory	450	bc	bc	bc	61	41	36	-	-	10.5	•	72	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
Pollution defective			

Kew Observatory.

Max.	Time.	Min.	Time.
0.4	20-24h 9th	<0.1	13-17h 9th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 9th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 10th April 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	1013.8	ENE	2	b	65	1014.1	-	0	bc	46	59	43	-	-
Brussels	1016.1	ENE	3	bc	59	1016.7	ESE	2	b	48	63	45	-	-
Berlin														
Zürich	1013.6	ENE	1	bc	57	1015.1	NNW	1	o	48	•	•	-	-
Rome	1005.5	-	0	c	59	1009.0	-	0	c	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, 11th April, 1939.
No. 28264.

OBSERVATIONS at 13h. G.M.T. 10th 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)	°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)...	1014·0	-14	ENE	4	zo	64	55	6	-	-	2	0	4-6	-
	Croydon ...	1014·0	-12	ENE	4	zo	65	65	6	-	-	3	0	4-6	-
	S. Farnborough	1013·4	-10	SE'E	3	zo	65	45	6	-	-	2	0	7-8	-
	Boscombe Down	1012·8	-10	E	3	zo	63	55	6	-	-	8	0	4-6	-
	Calshot (Soton.)	1013·4	-8	ESE	3	zo	52	75	6	-	-	8	0	9	-
	Lympne ...	1015·2	-6	E'N	4	bc	62	55	6	-	-	4	0	4-6	-
	Manston ...	1015·5	-8	E'N	4	zo	56	65	5	-	-	6	0	4-6	-
2	Shoeburyness ...	1015·7	-2	E'N	4	bc	52	75	6	-	3	6	0	4-6	-
	Felixstowe ...	1016·9	-2	E'S	4	zo	50	75	5	-	-	5	0	1	-
	Gorleston ...	1017·5	0	E'S	3	bc	49	75	6	-	5	-	0	2-3	-
	Mildenhall ...	1015·8	-4	E'S	4	bc	64	45	7	-	-	6	0	4-6	-
	Cranwell ...	1016·0	-10	E	4	c	62	65	7	-	-	6	0	7-8	-
3	Birmingham ...	1014·2	-4	E	3	b	61	55	7	-	-	9	0	1	-
	Upper Heyford	1014·2	-14	ESE	3	bc	63	55	7	-	-	9	0	4-6	-
4	Ross-on-Wye ...	1012·7	-12	SE	3	b	65	45	7	-	-	9	0	1	-
5	Hartland Point	1010·3	-8	ESE	3	b	62	55	7	1	-	-	1	1	2500
	Bristol ...	1012·7	-10	ESE	2	zo	64	55	6	-	1	1	0	4-6	-
	Portland Bill ...	1012·3	-4	E	3	bc	51	92	6	4	-	-	4-6	4-6	2500
	Plymouth ...	1010·9	-8	ESE	3	zo	61	65	6	-	-	-	0	0	-
	The Lizard ...	1009·3	-8	E'N	4	zo	55	85	5	4	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	1009·4	-4	E'S	4	zo	56	92	6	5	4	9	1	4-6	2500
	Guernsey ...	1011·1	-4	ENE	1	zo	58	75	6	-	-	-	0	0	-
6	Pembroke ...	1011·5	-4	SE'S	4	zo	56	75	6	-	4	-	0	Tr	-
7	Holyhead ...	1012·0	-2	SE	1	b	63	35	8	-	-	2	0	Tr	-
	Chester (Sealand)	1013·8	-14	SE	3	zo	64	55	6	-	3	-	0	4-6	-
8	Manchester ...	1014·5	-10	SE'E	4	zo	65	45	6	-	5	-	0	1	-
10	Spurn Head ...	1017·9	0	ESE	3	bc	49	75	6	-	-	3	0	4-6	-
	Catterick ...	1016·5	-12	SE'S	3	bc	62	55	7	1	9	-	Tr	4-6	2500
	Tynemouth ...	1017·6	-4	SSE	3	bc	48	75	6	2	-	1	2·3	4-6	2500
11	St. Abbs Head...	1017·4	+2	SE	4	m	46	97	4	5	4	1	2·3	4-6	1500
	Leuchars ...	1017·8	-2	E	2	m	45	97	4	-	2	-	10	10	450
12	Renfrew (AbbotsI.)	1014·8	-6	E	2	zo	60	75	6	1	-	2	Tr	4-6	4000
	Eskdalemuir ...	1015·0	-2	SE	4	b	59	45	7	1	-	1	Tr	1	5700
	Point of Ayre ...	1014·2	0	SE'S	2	b	56	75	6	-	-	9	0	Tr	-
13A	Tiree ...	1012·0	0	ESE	4	bc	55	75	6	-	5	6	0	4-6	-
13B	Stornoway ...	1013·8	0	E	4	c	53	75	7	-	4	7	0	10	-
15	Dalwhinnie ...	1017·0	0	SSW	2	c	45	55	7	4	2	-	4-6	10	2500
	Aberdeen ...	1019·4	+2	SSE	3	ido	43	97	4	-	2	-	10	10	450
	Wick ...	1018·8	+2	SSE	6	c	43	92	6	5	2	-	9	10	800
16	Lerwick...	1021·6	-8	SE	4	c	44	75	8	5	7	-	7-8	9+	1600
17	Blacksod Point...	1007·0	0	SSE	4	c	57	75	8	2	-	4	4-6	9+	1500
18	Malin Head ...	1010·2	0	S'E	4	c	58	55	8	-	9	-	0	7-8	-
	Aldergrove ...	1012·1	+2	SSE	4	b	59	45	7	-	3	1	0	1	-
19	Birr Castle ...	1009·3	0	S	4	c	55	75	8	5	1	-	7-8	10	1500
20	Valentia Obsy.†	1005·6	+2	SE'S	5	c	57	65	8	8	5	1	4-6	7-8	2500
	Roches Point ...	1008·6	0	SE	4	zo	50	97	6	5	1	-	4-6	5	1500

OBSERVATIONS at 18h. G.M.T. 10th April — 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)	°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)	Weather 7h.–13h. 10th (37)	Weather 13h.–18h. 10th (38)	Weather 18h. 10th to 1h. 11th (39)	Weather 1h.–7h. 11th (40)
London (Kew)...	1013·2	-2	ENE	4	zo	57	65	5	-	-	6	0	7-8	-	1	*	bmowbczy	bczo	bcbzo	bwbmo
Croydon ...	1013·1	-2	ENE	3	zo	57	65	6	-	-	3	0	4-6	-	1	*	bmobcz	bczo	bczbmw	bmwm
S. Farnborough	1012·1	0	ENE	3	zo	60	55	6	-	-	8	0	7-8	-	0	*	bmczy	cbc⊕czy	bzybmw	bmwbmw
Boscombe Down	1011·2	-6	SE'E	3	bc	61	45	7	-	-	6	0	4-6	-	0	*	bcmoyzo	bczbcy	bcyc	ccmo
Calshot (Soton.)	1011·2	-12	E'N	4	zo	56	75	6	-	3	7	0	10	-	1	3	cbccmo	cmo	bcbmo	bccmo
Lympne ...	1013·7	-6	NE'E	4	c	58	65	6	-	-	6	0	7-8	-	0	§2	bmbczy	czo	bz	bzwbz
Manston ...	1013·3	-10	ENE	4	c	55	65	6	-	-	6	0	7-8	-	1	*	bbczo	bcczo	cbcbz	bmo
Shoeburyness ...	1013·5	-10	ENE	4	bc	52	75	6	-	4	2	0	4-6	-	1	*	bwbcmo	bcmo	bcmob	bwm
Felixstowe ...	1014·7	-8	ENE	4	zo	50	75	6	-	-	8	0	7-8	-	0	3	bmo	bmo cmo	cm	cm bwm
Gorleston ...	1015·9	+8	E'S	4	c	49	75	6	5	4	-	4-6	7-8	2500	0	3	bczo	bccz	czbcb	bbcz
Mildenhall ...	1014·6	-4	E	4	zo	57	65	6	-	7	6	0	7-8	-	1	*	bmwbybc	bcyfcyz	b	bmbmw
Cranwell ...	1015·1	-2	E'N	3	c	53	75	7	-	-	6	0	9	-	0	*	bmobczo	bccyc	cbcbmo	bmcmw
Birmingham ...	1012·8	-4	E	3	bc	61	55	7	-	-	6	0	2·3	-	0	*	b	b	bc	bc
Upper Heyford	1013·0	-6	E	3	zo	60	55	6	-	-	6	0	4-6	-	1	*	bmbcmz	bczo	bm	bm
Ross-on-Wye ...	1011·2	-10	E	3	bc	63	45	7	-	-	1	0	2-3	-	1	*	bmczbyz	bybcyz	bybzo	bmw
Hartland Point	1008·6	-6	ESE	3	bc	61	55	7	-	-	8	0	2-3	-	0	2	bcy	bcy	bcb	bbc
Bristol ...	1010·9	-6	SE	2	bc	63	45	8	-	-	5	0	2-3	-	0	*	bczoy	bbczoy	bcbmo	bbccbcw
Portland Bill ...	1009·7	-20	E	4	bc	50	85	6	1	-	-	4-6	4-6	2500	1	3	cbczo	bczo	bcz	bcz
Plymouth ...	1009·1	-10	E'N	4	zo	57	65	6	-	-	-	0	0	-	0	1	cbcbzo	bzo	b	b
The Lizard ...	1007·6	-6	NE'E	4	zo	50	92	6	4	4	-	4-6	4-6	1500	0	2	bcz	bcz	bcw	bc
Scilly (St. Mary's)	1007·0	-10	E'S	4	zo	51	92	6	5	2	3	2-3	9+	2500	0	2	cbczo	bcczo	cbczb	bbcw
Guernsey ...	1008·7	-8	ENE	1	zo	55	75	6	-	-	-	0	0	-	0	1	bz	bzo	bz	bcz
Pembroke ...	1010·1	-10	SE	3	bc	58	65	6	5	4	-	2·3	4-6	2500	0	2	zocb	bbcmo	bz	zbc
Holyhead ...	1011·1	-4	NNE	3	b	53	65	7	-	-	8	0	1	-	0	1	bcyb	by	bwm	bm
Chester (Sealand)	1012·2	-4	ESE	3	bc	64	55	7	-	3	-	0	4-6	-	0	*	bmwbczy	bcczbcy	bcybmw	bmwbcm
Manchester ...	1013·3	-8	E'S	4	zo	62	55	6	-	3	6	0	7-8	-	1	*	bczbzy	bbcbczy	czybcm	bcmw
Spurn Head ...	1016·6	-6	ESE	4	c	46	85	6	-	-	3	0	7-8	-	0	3	bcc	c	bcb	bcwz
Catterick ...	1015·7	+2	SE'E	3	c	55	55	8	-	4	8	0	9	-	1	*	cfbcy	bcy	bcyb	bbcwm
Tynemouth ...	1016·4	-4	SE	5	bc	47	85	6	2	3	-	2·3	4-6	2500	0	2	bcbc	bc	bc	bc
St. Abbs Head...	1016·8	0	SE	4	c	45	92	6	7	4	9	4-6	7-8	2500	0	3	Fbcm	cmo	bc	bcc
Leuchars ...	1016·6	-4	ENE	3	zo	47	85	6	-	7	-	0	4-6	-	1	*	cfcfm	bcmbcm	bcmw	bccmw
Renfrew (AbbotsI.)	1013·8	-2	ENE	3	zo	58	75	6	1	-	2	2-3	4-6	4000	0	*	cbczo	bczoymo	bcbmo	bbcmw
Eskdalemuir ...	1014·1	-2	ESE	4	bc	57	55	8	-	3	5	0	4-6	-	1	*	cbczoby	bbcy	bcyb	bbcm
Point of Ayre ...	1012·6	-10	S	3	bc	54	75	6	-	-	9	0	4-6	-	0	1	bcbz	bbcz	bcbb	bbccz
Tiree ...	1011·9	0	SE'E	4	bc	52	65	6	1	3	-	1	4-6	4000	0	3	bczo	bczo	bcz	bcz
Stornoway ...	1013·5	0	E	3	c	51	75	6	5	4	7	4-6	10	4000	0	1	c	c	bc	bccw
Dalwhinnie ...	1017·4	0	-	0	c	47	45	7	4	1	1	4-6	10	2500	0	*	c	c	*	cbc
Aberdeen ...	1018·7	0	S'E	1	m	45	92	4	5	-	-	10	10	800	1	1	cfcido	idoco	cbcb	bbwz
Wick ...	1017·4	+2	S	5	c	45	92	5	5	1	-	7-8	9	450	1	2	dodmo	cocmo	bccm	cmo
Lerwick...	1020·7	-2	SSE	4	c	43	85	7	5	2	-	7-8	10	800	0	*	c	c	cmo	coc
Blacksod Point...	1007·3	0	SSE	3	c	54	92	8	3	-	2	4-6	7-8	1500	0	2	cbc	bc	bc	cbc
Malin Head ...	1010·6	+2	E'S	3	c	57	55	7	-	4	8	0	7-8	-	0	2	cbcc	cbcyc	c	c
Aldergrove ...	1011·5	-2	SSE	3	bc	56	55	7	-	-	2	0	4-6	-	1	*	b,cyby	b,cbcy	bcycmo	bcwcmo
Birr Castle ...	1008·8	-4	S	1	c	57	75	8	5	7	-	4-6	9	2500	1	*	c	c	c	c
Valentia Obsy.†	1006·0	0	SSE	5	c	55	75	8	8	3	-	9	9+	2500	0	2	c	c	proiro	bcb
Roches Point ...	1007·9	-4	SE	5	iro	51	92	6	6	7	-	7-8	9	1500	1	3	oczo	czoiro	irobc	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.*

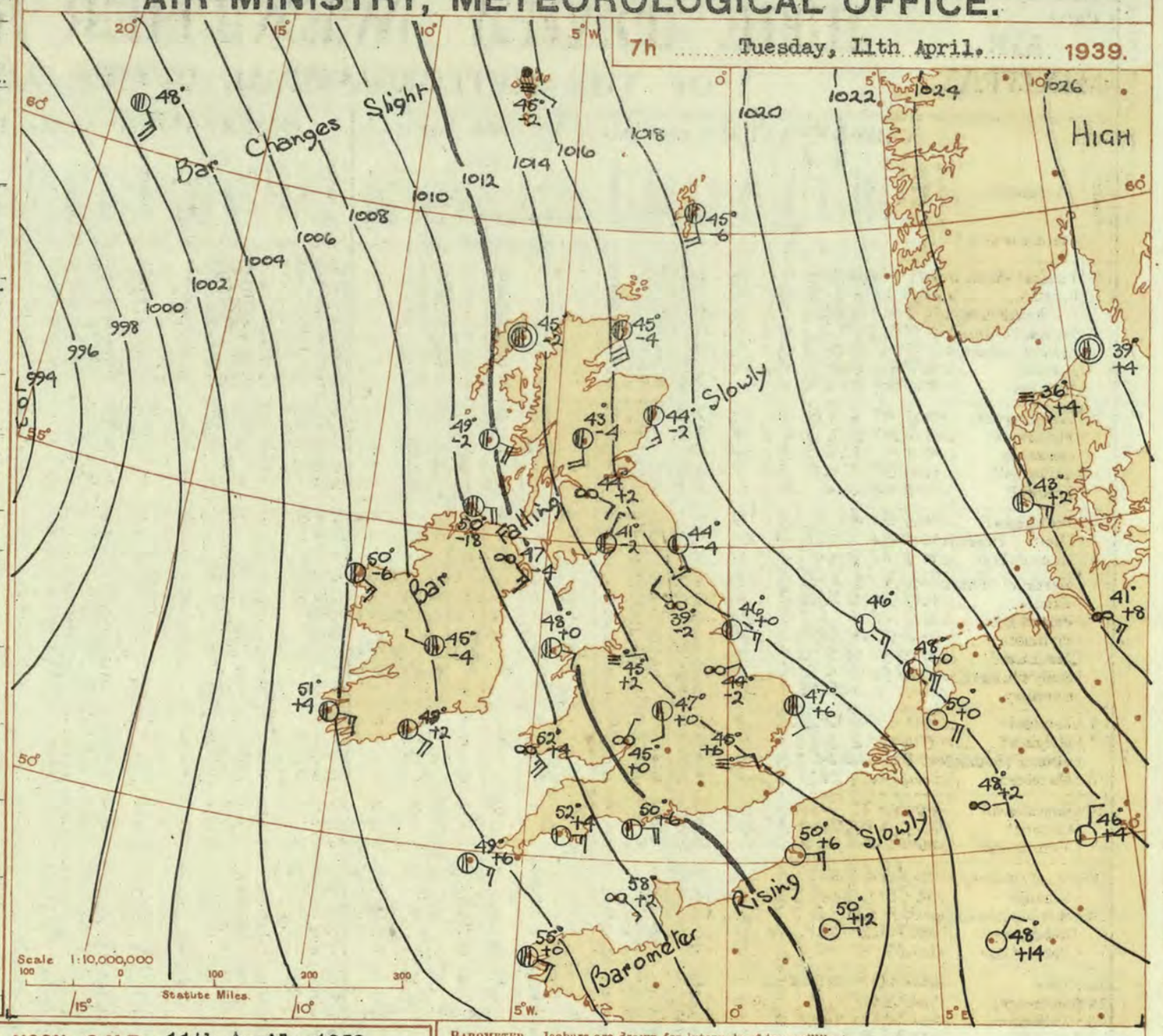
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 10th April 1939.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	b	bbcb	35	68	–	–	10·6	12·1
	Bournemouth	b	b	37	65	–	–	9·3	9·0
	Ventnor ...	cbz	bc	47	59	–	–	8·6	11·9
	Southsea ...	b	b	44	62	–	–	8·5	9·4
	Bognor Regis	bcb	bbc	45	59	–	–	8·1	12·3
	Littlehampton	bc	bc	41	64	–	–	8·8	12·1
	Worthing ...	b	bbcz	44	62	–	–	7·8	12·3
	Brighton ...	b	b	44	67	–	–	9·2	11·8
	Eastbourne† ...	b	bbcc	42	57	–	–	10·0	11·8
	Hastings† ...	bbc	bc	44	64	–	–	9·8	*
	Folkestone ...	mob	b	45	60	–	–	9·7	10·4
	Dover ...	bc	bc	43	61	–	–	10·4	10·0
	Deal	b	b	43	56	–	–	10·5	11·2
	Ramsgate ...	bcz	bc	45	52	–	–	10·3	11·1
	Margate ...	bbc	bc	45	53	–	–	10·5	10·6
2	Southend ...	b	bbc	44	57	Trace	–	9·9	11·1
	Clacton-on-Sea	bm	bmbcz	45	52	–	–	9·8	11·3
	Dovercourt ...	bc	bc	44	52	–	–	10·9	11·0
	Lowestoft ...	b	b	43	52	–	–	10·6	11·7
	Skegness ...	b	bbcb	42	51	–	–	10·5	10·5
	Mablethorpe...	bczo	bczo	43	49	–	–	10·0	8·5
	Cleethorpes ...	wb	bc	40	51	–	–	9·2	3·3
3	Leamington S.	b	b	41	67	–	–	10·4	11·4
4	Cheltenham†	bcb	bbcz	41	66	–	–	10·3	11·4
5	Bath	b	b	36	67	–	–	10·2	10·6
	Weymouth ...	b	b	44	59	–	–	10·3	9·8
	Jersey ...	cb	bbc	41	67	–	–	9·8	12·1
	Torquay ...	wbmz	bzoy	40	57	–	–	9·2	6·5
	Falmouth ...	b	b	46	57	–	–	9·0	3·5
	Penzance ...	b	b	47	59	–	–	10·1	2·2
	St. Ives ...								
	Bude... ...	b	b	39	65	–	–	9·8	10·0
	Ilfracombe ...	cbc	bbz	47	66	–	–	10·8	9·5
6	Aberystwyth	cbc	bc	45	66	–	–	10·8	7·4
7	Llandudno ...	bcb	bcbz	39	66	–	–	10·1	2·9
	Colwyn Bay...	bcbbc	bcb	39	66	–	–	8·4	1·7
	Rhyl	bzobc	bczo	36	66	–	–	8·4	2·3
8	Wallasey ...	bcb	bbc	45	66	–	–	10·0	2·8
	Southport ...	bcb	bcbc	44	68	–	–	9·4	1·3
	Blackpool ...	bz	bzbcz	45	66	–	–	9·3	0·7
	Morecambe ...	bcb	bbc	47	66	–	–	9·0	1·1
9	Ilkley... ...	b	b	44	63	–	–	8·8	6·0
	Harrogate ...	b	b	43	60	–	–	10·2	0·1
10	Berwick-on-T.	omc	cbc	41	49	Trace	–	4·3	1·8
11	Dunbar ...	cmo	bcmo	41	56	Trace	–	6·2	4·3
12	Troon... ...	ocbc	bcbbc	47	60	–	–	7·1	0·0
	Douglas ...	bz	bz	44	58	–	–	10·1	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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind east to southeast, light to moderate; fine; rather warm inland by day; rather cool locally on the east coast.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Wind southeast moderate, veering tomorrow; fine and warm today; more cloud with some thundery rain tomorrow; becoming cooler.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1 - 3.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland.	As 4 - 7.
14 Mid Scotland	Wind southeast, moderate to fresh; fair to fine; warm.
15 N. E. Scotland 16 Orkney and Shetland	Wind southeast moderate; fair; rather cold.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Wind southeast light to moderate, veering south to southwest later; fair and rather warm today; occasional thundery rain tomorrow; becoming cooler.

GENERAL INFERENCE.

An anticyclone persists from East Greenland to Germany and will maintain fine warm weather today in all districts. A depression, moving east on the Atlantic, is expected to cause a change to cooler conditions in western districts tomorrow with some thundery rain.

FURTHER OUTLOOK.

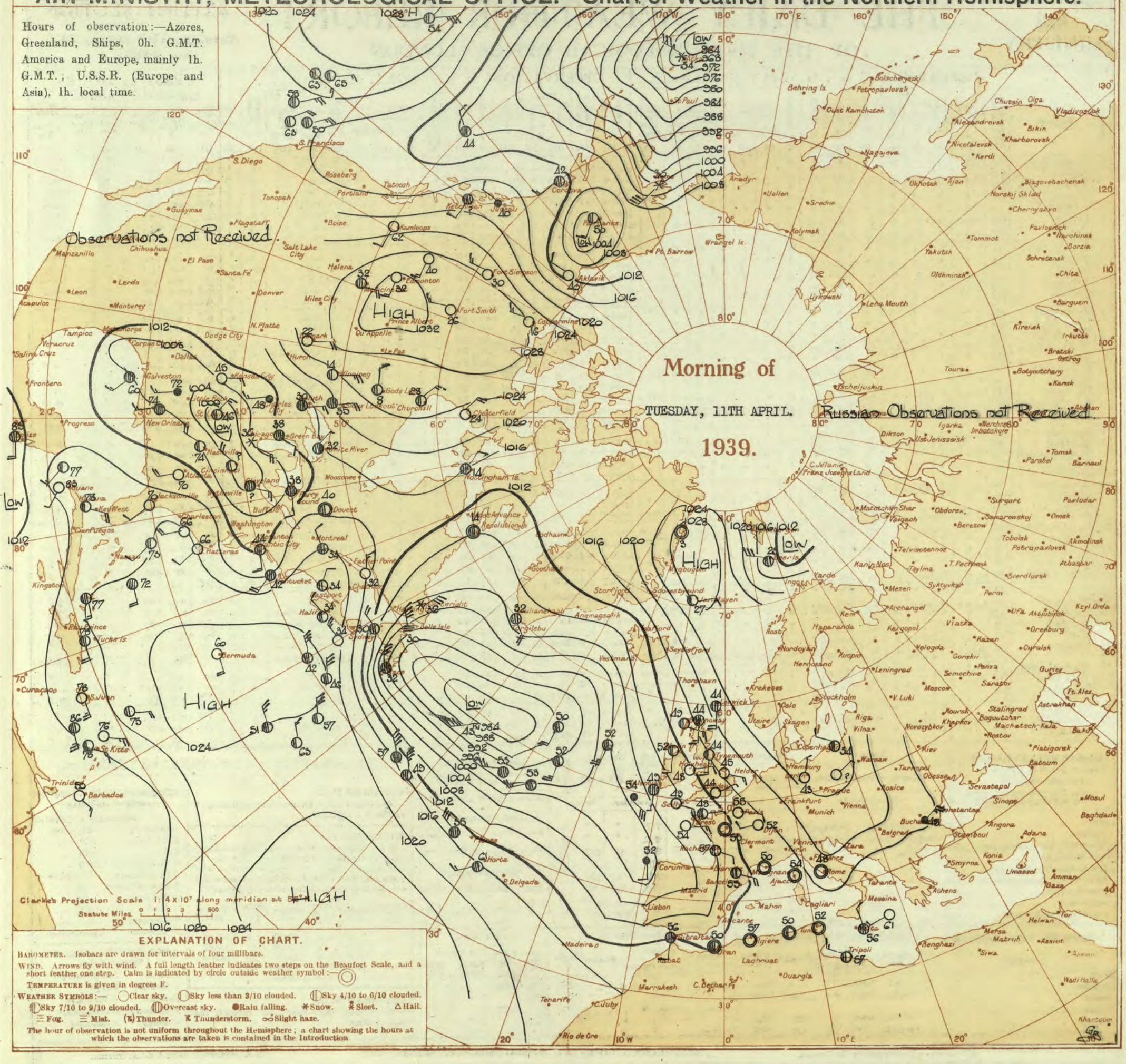
Less settled conditions probably spreading to eastern districts.

Forecasts issued at 1015 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, 11th April, 1939.
No. 28264.

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

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	1013.1	-4	E'N	1	z_0	44	92	5	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.4	-2	E'N	3	z_0	50	65	6	-	-	-	0	0	-
	Manston ...	154	1013.5	-4	E'S	3	z_0	49	75	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015.5	-2	E	4	b	47	85	6	-	-	-	0	0	-
	Mildenhall ...	19	1014.5	-4	E'N	3	b	49	75	7	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Roes-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1008.4	-6	ESE	4	b	52	85	8	-	-	-	0	0	-
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1010.0	+4	E	4	bc	49	92	6	5	-	-	4-6	4-6	2500
	Plymouth ...	82														
	The Lizard ...	240	1007.9	0	ENE	3	bc	49	97	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1006.8	-6	ESE	4	b	49	97	6	-	-	-	0	0	-
	Guernsey ...	175	1008.6	-2	SE'E	2	b	55	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1008.8	-2	SE	5	b	53	75	6	-	-	-	0	0	-
7	Holyhead ...	26	1011.3	+2	E	2	b	48	85	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016.4	-2	ESE	3	b	45	92	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017.8	-2	S	3	bc	44	92	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1017.8	+4	SSE	6	bc	43	92	7	5	6	1	2-3	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1014.1	+8	SSW	1	b	46	85	7	-	-	-	0	0	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014.8	+8	ESE	3	bc	49	85	7	5	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017.7	+4	SSE	3	c	44	97	6	5	1	-	4-6	7-8	800
16	Lerwick ...	156	1020.2	+2	S'E	4	c	44	97	6	5	2	-	4-6	10	800
17	Blacksod Point	18	1008.4	+4	S	3	c	51	92	7	5	-	-	10	10	1500
18	Malin Head ...	84	1011.7	+4	S	2	bc	52	65	7	4	-	-	4-6	4-6	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1007.0	+2	SSE	1	o/p	49	97	7	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 11th 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)	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)	1013.0	+2	ENE	2	b	48	85	5	-	-	-	0	0	-	1	*
Croydon ...	1013.0	+6	ENE	2	m	45	97	4	-	-	-	0	0	-	1	*
S. Farnborough	1012.5	+4	E'N	1	m	46	92	4	-	-	5	0	Tr	-	0	*
Boscombe Down	1012.0	+8	E'N	2	z_0	48	85	5	-	-	6	0	7-8	-	1	*
Calshot (Sthmtn.)	1011.5	+4	E'S	2	z_0	50	85	6	-	-	2	0	4-6	-	1	§ 0
Lympne ...	1013.7	+4	E'N	3	b	50	75	6	-	-	-	0	0	-	0	1
Manston ...	1013.0	-2	E'S	3	b	49	75	6	-	-	-	0	0	-	1	*
Shoeburyness ...	1013.9	+4	ENE	2	b	49	85	5	-	-	-	0	0	-	0	*
Felixstowe ...	1014.6	0	E'S	3	z_0	48	85	6	-	-	-	0	0	-	0	1
Gorleston ...	1015.5	+6	SSE	2	bc	47	85	6	-	5	-	0	2-3	-	0	3
Mildenhall ...	1013.6	+2	E'S	2	z_0	48	85	6	-	-	5	0	2-3	-	1	*
Cranwell ...	1015.2	-2	ENE	2	z_0	44	92	6	-	-	6	0	4-6	-	1	*
Birmingham ...	1013.4	0	S	2	z_0	47	85	5	-	-	2	0	4-6	-	1	*
Upper Heyford	1013.2	0	ENE	2	z_0	45	85	5	-	-	3	0	2-3	-	1	*
Roes-on-Wye	1012.4	0	NE	1	z_0	45	85	5	-	-	1	0	2-3	-	1	*
Hartland Point	1008.2	+6	ESE	4	bc	51	92	7	4	-	1	2-3	4-6	2500	0	2
Bristol ...	1011.9	+8	-	0	z_0	46	92	6	-	-	6	0	4-6	-	1	*
Portland Bill ...	1010.4	+6	E	4	bc	50	92	6	1	-	-	4-6	4-6	2500	1	3
Plymouth ...	1008.8	+4	E	3	b	52	85	8	-	-	1	0	Tr	-	0	2
The Lizard ...	1007.9	0	ENE	3	bc	49	97	7	8	-	-	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1007.1	+6	ESE	3	bc	49	97	6	5	4	6	1	4-6	4000	1	2
Guernsey ...	1008.8	+2	SE	1	z_0	58	75	6	-	1	-	0	2-3	-	0	0
Pembroke ...	1009.2	+4	SE	5	z_0	52	85	6	3	4	-	4-6	4-6	2500	1	2
Holyhead ...	1010.3	0	E'S	2	bc	48	85	7	1	4	1	Tr	2-3	4000	0	2
Chester (Sealand)	1013.3	+2	E'N	1	m	45	85	4	-	8	8	0	7-8	-	1	*
Manchester ...	1013.4	0	NE'E	3	z_0	47	75	5	-	-	2	0	4-6	-	1	*
Spurn Head ...	1015.2	0	E'S	3	bc	46	85	5	-	-	5	0	4-6	-	0	2
Catterick ...	1016.2	-2	NW	2	z_0	39	97	5	-	-	2	0	4-6	-	1	*
Tynemouth ...	1016.6	-4	SSE	3	bc	44	92	6	2	-	1	4-6	4-6	2500	1	2
St. Abbs Head	1016.2	-10	SE	4	c	48	92	7	5	7	-	4-6	7-8	1500	0	2
Leuchars ...	1016.5	-2	ENE	2	c	48	97	6	5	-	6	4-6	9	800	1	*
Renfrew (Abbots I.)	1015.1	+2	ESE	2	z_0	44	85	6	-	-	4	0	2-3	-	0	*
Eskdalemuir ...	1015.7	-2	NNE	1	bc	41	85	6	-	-	6	0	4-6	-	1	*
Point of Ayre ...	1012.7	-4	E'S	1	c	47	92	6	-	-	6	0	7-8	-	0	1
Tiree ...	1011.7	-2	ESE	4	bc	49	85	6	-	-	6	0	2-3	-	0	3
Stornoway ...	*	-4	-	0	c	45	85	6	5	-	-	7-8	7-8	2500	0	0
Dalwhinnie ...	1017.5	-4	S	4	c	43	85	8	4	5	4	2-3	4-6	4000	0	*
Aberdeen ...	1017.9	-2	SSE	3	bc	44	92	6	1	-	6	1	2-3	1500	1	1
Wick ...	1016.2	-4	SSE	6	c	45	92	6	5	4	2	4-6	7-8	2500	1	3
Lerwick ...	1018.6	-6	S'E	4	c	45	92	7	5	8	-	7-8	9+	800	0	*
Blacksod Point	1006.1	-6	SE	3	c	50	92	7	-	4	4	0	7-8	-	0	3
Malin Head ...	1010.1	-18	E	4	c	50	75	6	-	5	2	0	9+	-	0	2
Aldergrove ...	1010.8	-4	SE'S	3	z_0	47	85	6	-	-	6	0	9	-	1	*
Birr Castle ...	1007.9	-4	WN	1	c	45	92	8	-	3	-	0	9	-	1	*
Valentia Obsy. †	1006.2	+4	E'S	3	bc	51	75	7	-	3	5	0	2-3	-	1	2
Roches Point	1007.0	+2	ESE	4	bc	49	92	8	-	-	5	0	2-3	-	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 10th Hrs. (36)
London (Kew)	64	46	34	-	-	7.7
Croydon ...	66	40	35	-	-	8.2
S. Farnborough	68	45	37	-	-	8.7
Boscombe Down	66	46	42	-	-	10.6
Calshot (Sthmtn.)	57	47	42	-	-	9.7
Lympne ...	62	48	42	-	-	10.8
Manston ...	57	47	40	-	-	10.4
Shoeburyness ...	52	37	30	-	-	10.8
Felixstowe ...	51	46	*	-	-	10.2
Gorleston ...	49	46	43	-	-	10.4
Mildenhall ...	65	44	39	-	Tr	10.9
Cranwell ...	63	41	38	-	-	10.1
Birmingham ...	65	44	39	-	-	10.4
Upper Heyford	66	43	38	-	-	*
Roes-on-Wye	67	43	29	-	-	8.9
Hartland Point	63	50	48	-	-	11.0
Bristol ...	66	43	34	-	-	10.9
Portland Bill ...	52	46	*	-	-	*
Plymouth ...	62	51	48	-	-	11.1
The Lizard ...	55	48	*	-	-	10.5
Scilly (St. Mary's)	56	47	*	-	-	7.3
Guernsey ...	60	53	43	-	-	11.8
Pembroke ...	59	49	*	-	-	9.2
Holyhead ...	65	46	38	-	Tr	11.4
Chester (Sealand)	66	40	33	-	-	9.0
Manchester ...	67	43	34	-	-	9.6
Spurn Head ...	50	44	*	-	Tr	10.0
Catterick ...	62	36	32	-	Tr	8.2
Tynemouth ...	49	43	39	-	-	7.8
St. Abbs Head	47	41	*	Tr	-	*
Leuchars ...	49	40	33	-	-	2.7
Renfrew (Abbots I.)	65	43	38	-	-	8.3
Eskdalemuir ...	61	38	33	-	-	7.4
Point of Ayre ...	58	43	*	-	-	9.1
Tiree ...	56	46	43	-	-	9.7
Stornoway ...	55	44	*	-	-	7.0
Dalwhinnie ...	50	36	27	-	-	1.4
Aberdeen ...	46	42	38	Tr	-	0.2
Wick ...	45	43	*	Tr	-	*
Lerwick ...	45	42	*	*	-	0.7
Blacksod Point	57	47	*	-	-	*
Malin Head ...	57	46	*	-	-	4.6
Aldergrove ...	60	45	37	-	-	8.7
Birr Castle ...	58	41	32	-	-	1.4
Valentia Obsy. †	58	40	*	*	2	4.2
Roches Point	51	46	*	0.2	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.
Kew ...	18	bmwbcy	bcz	bcbzm	64	46	34	-	-	7.7	*	*	4
Croydon ...	217	bmbcz	bcz	bczmw	66	40	35	-	-	8.2	*	*	5
Greenwich (Royal Observatory) ...	149	bbcy	bcy	bwm	64	43	37	-	Tr	8.9	51	65	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	8.7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	47	12	-	-	8.2	57	70	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	67	45	39	-	-	7.8	48	63	*
Camden Square ...	110	bc	bc	*	67	45	38	-	-	*	At 18h 66		*
Kensington ...	80	bc	bc	*	66	46	34	-	-	8.0	64	71	*
Hampstead Observatory ...	450	bc	bc	bm	63	45	37	-	-	8.4		71	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.	Kew Observatory. Max.	Time.	Min.	Time.
Pollution defective				0.3	6h. 11th.	0.1	13h. 10th.

FOREIGN OBSERVATIONS.

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

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris ...	*	ESE	2	b	*
Brussels ...	1013.5	E	4	c	63
Berlin ...	1014.7	NNE	1	b	61
Zürich ...	1012.3	SW	2	c	61
Rome ...					

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

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris ...	1013.1	E	1	b	50
Brussels ...					
Berlin ...	1026.1	ENE	4	z_0	46
Zürich ...					
Rome ...					

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	72	46	-	-
Brussels ...	70		-	
Berlin ...		39		-
Zürich ...	63		-	
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 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.

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

COLUMN 30 — Code for State of Sea.

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

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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, 12th April, 1939.

No. 28265.

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

(For heights see p. 4.)

District	Stations	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)...	1012.3	-2	ENE	3	zo	68	55	6	-	-	-	0	0	-
	Croydon ...	1012.3	-2	SE'S	3	zo	71	55	6	-	-	1	0	Tr	-
	S. Farnborough	1011.4	-8	SE'E	1	zo	72	55	6	-	-	5	0	Tr	-
	Boscombe Down	1011.0	-6	ESE	3	zo	71	55	6	-	-	8	0	4-6	-
	Calshot (Soton.)	1011.9	+2	E'S	4	zo	55	75	6	-	-	6	0	2-3	-
	Lympne ...	1013.9	+2	ESE	2	zo	65	55	6	-	-	1	0	Tr	-
	Manston ...	1013.4	0	E'N	2	zo	63	65	6	-	-	1	0	Tr	-
2	Shoeburyness ...	1013.7	-2	ENE	3	b	57	75	6	-	-	-	0	0	-
	Felixstowe ...	1014.7	+2	E	3	zo	52	75	6	-	-	1	0	Tr	-
	Gorleston ...	1015.4	0	E'S	2	b	50	75	5	-	-	-	0	0	-
	Mildenhall ...	1013.4	-6	ESE	3	b	69	45	7	-	-	5	0	Tr	-
	Cranwell ...	1013.6	-6	ESE	3	zo	66	55	6	-	4	8	0	1	-
3	Birmingham ...	1012.7	0	ESE	2	bc	67	55	8	-	-	2	0	4-6	-
	Upper Heyford	1012.6	-2	ESE	2	zo	69	55	6	-	-	5	0	2-3	-
4	Ross-on-Wye ...	1011.5	-4	NE'E	3	zo	66	55	6	-	-	1	0	2-3	-
5	Hartland Point	1009.3	+4	E	2	bc	65	75	7	7	-	2	4-6	4-6	1500
	Bristol ...	1011.6	-2	E'N	2	zo	68	55	6	-	-	1	0	4-6	-
	Portland Bill ...	1010.9	+6	E	4	c	51	92	6	5	4	-	4-6	9	2500
	Plymouth ...	1009.7	+2	ESE	3	bc	68	55	8	1	-	1	Tr	2-3	4000
	The Lizard ...	1008.6	+6	NE'E	4	zo	55	85	5	4	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	1008.3	+2	E'S	4	bc	57	92	6	4	4	3	1	4-6	4000
	Guernsey ...	1009.8	+4	ESE	1	bc	54	65	7	-	1	8	0	4-6	-
6	Pembroke ...	1010.4	+2	NE	3	bc	55	75	6	5	4	2	2-3	4-6	2500
7	Holyhead ...	1009.6	+4	SE	4	c	69	45	7	5	-	4	1	7-8	4000
	Chester (Sealand)	1012.1	-10	SSE	2	zo	66	55	6	-	4	-	0	1	-
8	Manchester ...	1012.5	-6	SE'E	3	zo	70	45	6	-	-	1	0	Tr	-
10	Spurn Head ...	1015.2	0	ESE	3	bc	50	75	5	-	-	8	0	2-3	-
	Catterick ...	1014.2	-10	SE	1	zo	62	65	6	-	-	2	0	7-8	-
	Tynemouth ...	1015.7	-4	ESE	2	bc	49	85	6	5	-	2	4-6	4-6	1500
11	St. Abbs Head...	1015.2	-4	SSE	5	bc	47	85	6	5	4	2	4-6	4-6	2500
	Leuchars ...	1015.5	-8	ENE	2	zo	50	85	6	1	4	6	Tr	7-8	2500
12	Renfrew (Abbotsl.)	1012.3	-14	ENE	4	zo	62	65	6	2	-	3	Tr	4-6	4000
	Eskdalemuir ...	1012.5	-10	SE'E	3	c	63	45	6	-	-	6	0	7-8	-
	Point of Ayre ...	1011.7	-2	SSE	3	c	60	65	6	-	-	9	0	7-8	-
13A	Tiree ...	1009.9	-4	ESE	4	bc	58	55	6	1	3	2	Tr	4-6	4000
13B	Stornoway ...	1012.5	-6	-	0	c	53	75	7	5	7	7	7-8	9+	4000
15	Dalwhinnie ...	1014.2	-14	S	5	c	56	55	7	-	1	4	0	9	-
	Aberdeen ...	1016.8	-6	S'E	3	bc	50	75	6	-	9	6	0	4-6	-
	Wick ...	1014.8	-16	SSE	6	c	46	92	6	5	1	7	2-3	10	1500
16	Lerwick...	1017.8	-2	S'E	4	c	47	97	7	5	3	-	4-6	7-8	800
17	Blacksod Point...	1006.7	0	S'E	3	bc	59	85	7	-	4	-	0	4-6	-
18	Malin Head ...	1008.5	-6	E'S	3	bc	61	55	5	-	-	5	0	4-6	-
	Aldergrove ...	1009.6	-10	S'E	4	zo	62	65	6	-	-	2	0	2-3	-
19	Birr Castle ...	1007.7	-2	SSE	2	c	65	65	7	1	-	6	2-3	7-8	2500
20	Valentia Obsy.†	1006.8	+2	SSE	5	bc	63	55	8	1	4	1	Tr	2-3	4000
	Roches Point ...	1008.9	+4	SE	3	bc	55	85	7	-	-	5	0	4-6	-

OBSERVATIONS at 18h. G.M.T. 11th April — 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. 11th (37)	Weather 13h.–18h. 11th (38)	Weather 18h. 11th to 1h. 12th (39)	Weather 1h.–7h. 12th (40)
London (Kew)...	1012.5	+6	E'N	2	m	67	65	4	-	-	5	0	Tr	-	1	*	bmobzbzy	bzobz	bz	bzbcfw
Croydon ...	1012.0	+2	S'W	1	zo	70	55	6	-	-	1	0	Tr	-	1	*	bzoy	byzo	byzmow	bmobc
S. Farnborough	1012.1	+8	SE'S	1	bc	68	55	7	-	-	1	0	2-3	-	0	*	bmwbzoy	bzoybcy	bcbmo	bwc
Boscombe Down	1012.8	+20	SSE	3	zo	63	65	7	-	3	8	0	4-6	-	0	*	cmobcmy	bczbcmo	bcmob	bbmow
Calshot (Soton.)	1011.9	0	ESE	3	zo	52	85	6	-	-	4	0	2-3	-	1	2	bcmobmo	bmobcmo	bmo	bbcmobm
Lympne ...	1013.5	-2	ESE	2	b	69	55	7	-	-	1	0	Tr	-	0	§ 1	bzoy	bzoy	bw	bwbcmo
Manston ...	1012.8	0	ESE	1	zo	60	75	6	-	-	5	0	Tr	-	0	*	bzo	bzo	bzob	bbcb
Shoeburyness ...	1013.2	-2	ENE	2	zo	53	75	6	-	-	1	0	Tr	-	0	*	mobzo	bzo	bzo	bzbcmw
Felixstowe ...	1013.4	-6	E	3	zo	53	75	5	-	-	-	0	0	-	0	2	bmo	bmo	bmo	bmobcwm
Gorleston ...	1014.3	-8	-	0	bc	50	85	5	-	5	-	0	2-3	-	0	2	bcbzo	bbczo	bczob	bbczow
Mildenhall ...	1013.0	+2	SE'E	2	b	64	55	7	-	-	1	0	Tr	-	0	*	bmob	bbmob	bbmo	bmobrmow
Cranwell ...	1013.0	-2	NE'E	1	zo	60	75	6	-	4	4	0	Tr	-	0	*	bmoby	bzo	bmow	bmobcmw
Birmingham ...	1012.1	0	ESE	1	c	67	55	7	-	-	6	0	7-8	-	0	*	bc	bc	cbc	bcb
Upper Heyford	1012.2	+2	E	1	zo	67	65	6	-	-	6	0	2-3	-	0	*	bmozo	bzoy	bzom	bmow
Ross-on-Wye ...	1011.3	+4	SE	1	zo	70	55	6	-	4	6	0	9	-	0	*	bzo	bcyzo	czobzo	bw
Hartland Point	1009.7	+8	ESE	3	bc	67	65	7	-	4	8	2-3	4-6	2500	0	2	bc	bcy	bcbbc	bc
Bristol ...	1011.4	+4	SE	2	c	68	65	8	5	7	1	2-3	7-8	7200	0	*	bczoy	bczoy	bccbcb	bw
Portland Bill ...	1011.4	+4	E	4	c	52	92	6	5	-	-	9	9	2500	1	3	bcc	c	bcbc	bcbc
Plymouth ...	1010.5	+6	E	3	b	65	65	8	-	-	1	0	1	-	0	2	bbmoby	bbcbyb	bbcbmo	bbdfefe
The Lizard ...	1010.2	+10	E'S	3	bc	54	85	7	8	6	-	2-3	4-6	2500	0	1	bcz	bc	bcfd	FFe
Scilly (St. Mary's)	1009.3	+6	SE	3	bc	54	92	6	4	4	4	1	2-3	4000	1	2	bc	bc	bcbfb	bw offe
Guernsey ...	1011.0	+8	SE'S	1	zo	66	65	6	-	7	8	0	7-8	-	0	1	bc	bcczo	bccpro	cprobc
Pembroke ...	1010.3	0	SE'S	2	zo	59	75	6	1	7	-	2-3	4-6	2500	0	2	bcmo	bcmo	bc	Fe
Holyhead ...	1010.3	+10	-	0	bc	55	75	7	-	4	-	0	4-6	-	0	1	bmobcy	bcy	bcwmob	bFeo
Chester (Sealand)	1011.2	0	SE'E	3	zo	67	65	6	-	8	4	0	7-8	-	0	*	bcmzoy	bcbczoy	c bzow	bzbcmow
Manchester ...	1011.8	0	SE	2	zo	67	55	6	-	-	8	0	4-6	-	1	*	bczowbzy	bzobcbczy	bczoybz	bzowzo
Spurn Head ...	1013.9	-8	SE	2	bc	47	85	5	-	-	8	0	4-6	-	0	2	bcz	bcz	bmw	bcmow
Catterick ...	1012.6	-2	SSE	2	c	61	65	7	-	-	9	0	7-8	-	1	*	Bcmoy	bczoyc	b	bbcwmo
Tynemouth ...	1012.9	-10	S	3	bc	46	85	6	5	-	2	2-3	4-6	2500	0	1	bc	bc	bc	bcm
St. Abbs Head...	1012.5	-8	SSE	6	bc	44	92	6	5	4	2	2-3	4-6	2500	0	3	bcmoc	mobc	bcm	cbcm
Leuchars ...	1013.2	-2	NE	3	zo	46	92	6	-	7	6	0	7-8	-	1	*	cmobcm	bcmo	cwcmo	PPfePefe
Renfrew (Abbotsl.)	1011.1	0	SE'E	3	zo	59	65	5	4	-	1	4-6	4-6	5700	0	*	bcmozo	bcyzo	bbccmo	cmoir
Eskdalemuir ...	1010.8	-2	SE'E	3	bc	61	55	6	-	-	6	0	4-6	-	1	*	bcyzo	bbcyzo	bcyb	bbcw
Point of Ayre ...	1010.6	-6	S'E	3	c	56	85	6	1	-	9	Tr	7-8	4000	0	1·	c	cz	cbcl	bbc
Tiree ...	1008.0	-12	SE'E	3	c	53	75	6	5	3	-	7-8	9	2500	0	3	cbczo	bcczo	cbc	bcc
Stornoway ...	1010.0	-10	NNE	1	c	56	75	7	5	7	7	4-6	9+	4000	1	0	bcc	c	cPR	cpro
Dalwhinnie ...	*	-8	S	2	c	53	65	7	-	4	4	0	7-8	-	6	*	c	c	·	cido
Aberdeen ...	1014.0	-14	SSE	3	bc	46	85	6	5	-	6	Tr	4-6	1500	0	1	bccbc	bcczo	bczob	bbcw
Wick ...	1011.9	-10	SSE	5	c	46	92	6	5	7	8	4-6	9+	1500	1	3	cmo	cmo	cbcmo	bcmoc
Lerwick...	1015.6	-6	S'E	4	c	45	92	6	8	7	-	4-6	9+	800	0	*	c	cmo	c	cmo
Blacksod Point...	1005.6	-8	SSW	3	bc	59	75	8	2	-	4	4-6	4-6	2500	0	3	bc	bc	bc	cq
Malin Head ...	1007.5	-8	S	3	c	61	65	6	4	-	4	2-3	7-8	4000	0	2	z	⊕cbczzc	cbczzbc	bclc
Aldergrove ...	1008.4	-6	S'W	3	zo	61	65	6	1	-	6	Tr	4-6	4000	1	*	cmo	cbcyzo	bcRtlro	cro bcc
Birr Castle ...	1007.4	-2	S	2	bc	65	65	7	-	4	-	0	2-3	-	1	*	c	cbc	c	c
Valentia Obsy.†	1007.4	+10	S	4	c	54	85	8	5	8	-	2-3	9	1500	1	2	bbcy	bcbybcc	cbcwp	rorr
Roches Point ...	1008.8	0	SE	3	bc	53	85	7	2	-	5	2-3	2-3	2500	1	3	bcbbc	bc	bcw	ffeoc

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.
c, 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.*

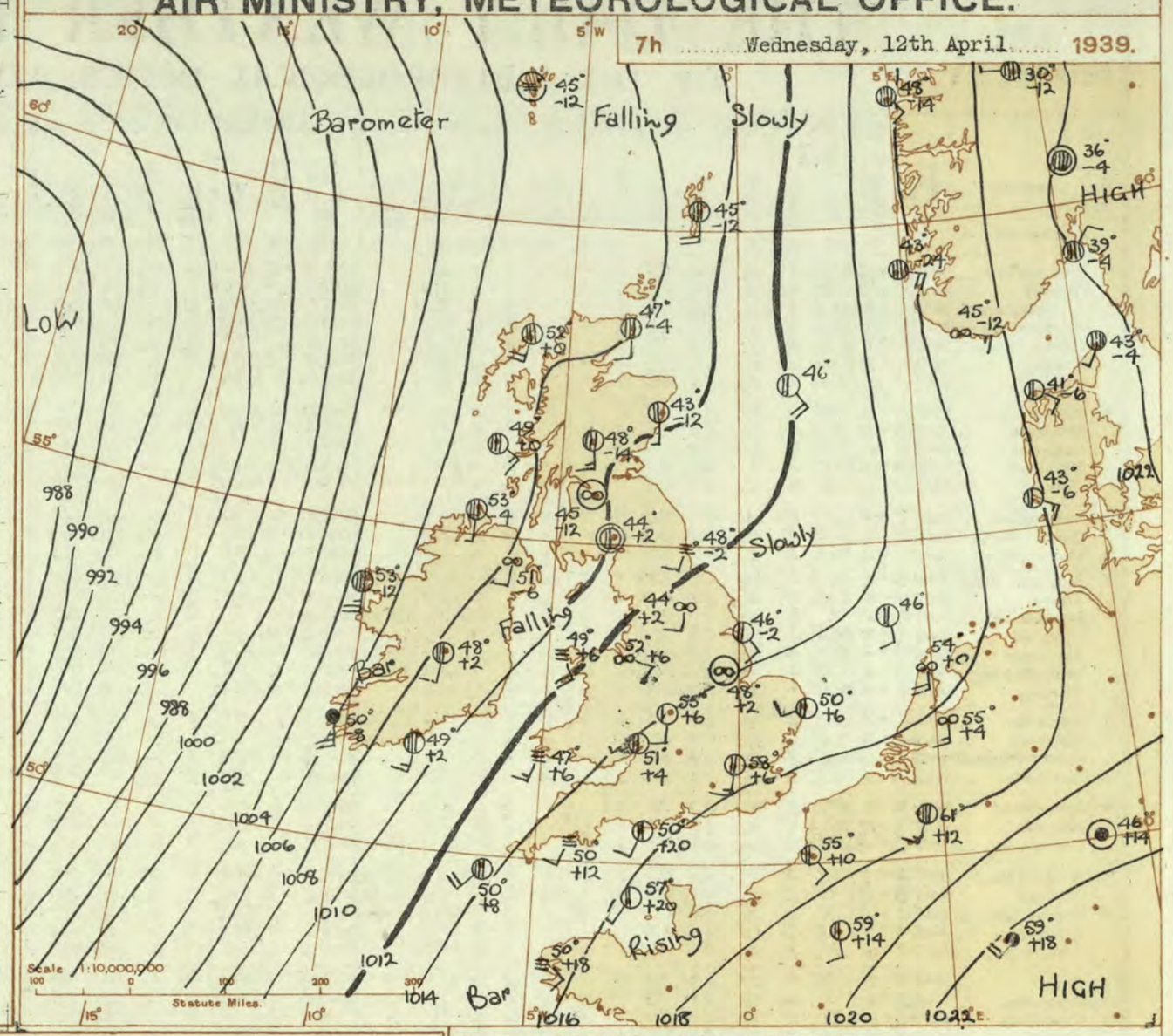
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 11th April 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	b	43	74	-	-	10·5	11·1
	Bournemouth	b	b	49	69	-	-	9·7	10·3
	Ventnor ...	bc	bc	51	64	-	-	10·7	8·6
	Southsea ...	b	b	50	67	-	-	10·6	8·6
	Bognor Regis	b	b	51	59	-	-	10·6	8·1
	Littlehampton	b	b	50	64	-	-	10·8	8·9
	Worthing ...	b	b	48	64	-	-	10·9	7·8
	Brighton ...	b	b	50	66	-	-	10·6	9·2
	Eastbourne† ...	b	b	48	65	-	-	10·7	10·1
	Hastings† ...	b	b	52	70	-	-	10·8	10·2
	Folkestone ...	m₀b	bbm₀	49	66	-	-	10·3	9·7
	Dover ...	b	b	49	65	-	-	10·3	10·5
	Deal	b	b	45	61	-	-	10·4	10·6
	Ramsgate ...	bc	bc	46	57	-	-	10·5	10·5
	Margate ...	bc	bc	46	60	-	-	10·8	10·7
2	Southend ...	b	b	44	63	Trace	-	10·6	10·5
	Clacton-on-Sea	bm	bmz	46	56	-	-	10·6	9·8
	Dovercourt ...	bbm	bz	46	56	-	-	10·8	11·2
	Lowestoft ...	b	b	45	53	-	-	10·8	10·8
	Skegness ...	b	b	44	51	-	-	10·9	10·6
	Mablethorpe...	b	b	44	50	-	-	10·4	10·3
	Cleethorpes ...	b	b	43	51	-	-	9·4	9·8
3	Leamington S.	b	b	45	71	-	-	10·4	10·8
4	Cheltenham†	bz	bbczy	46	72	-	-	9·9	11·0
5	Bath	b	b	45	73	-	-	10·0	11·4
	Weymouth ...	b	b	49	62	-	-	8·9	11·5
	Jersey ...	bc	bc	53	71	-	-	10·3	10·5
	Torquay ...	Wbz₀b	b	47	60	-	-	10·8	10·2
	Falmouth ...	b	b	48	61	-	-	10·3	9·9
	Penzance ...	b	bbcb	48	64	-	-	9·7	10·2
	St. Ives ...								
	Bude... ...	b	bbc	50	74	-	-	9·9	10·5
	Ilfracombe ...	cbcb	bbcb	49	72	-	-	9·1	11·2
6	Aberystwyth	zbcc	bcc	52	71	-	-	8·8	11·3
7	Llandudno ...	b	bc	47	71	-	-	8·5	10·8
	Colwyn Bay...	zb	bbc	44	73	-	-	8·7	9·0
	Rhyl	bz₀	bz₀	45	72	-	-	9·3	9·0
8	Wallasey ...	bc	bc	48	69	-	-	8·6	10·0
	Southport ...	bzy	bzybc	43	73	-	-	9·8	9·6
	Blackpool ...	bcz	bbcz	44	71	-	-	10·1	9·4
	Morecambe ...	bcb	bbc	50	71	-	-	9·9	9·2
9	Ilkley... ...	b	b	39	67	-	-	9·0	9·0
	Harrogate ...	b	bbc	38	65	-	-	9·6	10·7
10	Berwick-on-T.	cbc	bc	41	49	-	-	9·0	4·5
11	Dunbar ...	bcm₀	bcm₀	40	49	-	-	9·0	6·2
12	Troon... ...	bcbbc	bcb	45	66	-	-	8·3	7·1
	Douglas ...	bz	bz	46	60	-	-	9·9	10·4

† 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. 12th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind south, light, becoming southwest, moderate; fair and warm at first; local thunderstorms or thundery rain developing; cooler tomorrow.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Wind south, freshening, veering towards southwest; becoming cloudy with thundery rain and local thunderstorms; coast fog at first; warm early then much cooler.
10 N.E. England 11 S.E. Scotland	Wind south, light to moderate; fair at first; local thunderstorms and a period of rain later; local coast fog; warm inland today then cooler.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland	Wind south, becoming fresh, perhaps strong on the coast; fair early apart from chance of local thunderstorms; occasional rain later; rather warm at first then cooler.
15 N. E. Scotland 16 Orkney and Shetland	Wind south, moderate or fresh; mainly fair today; occasional rain tomorrow; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Wind south to southwest, fresh, perhaps strong on west coast; cloudy; occasional rain, perhaps with local thunderstorms; brighter intervals and showers tomorrow; much cooler.

H.M.S.O. Press, Cornwall House S.E.1. 465/3670. m. 8109. D.4626. 6400 4/39.

GENERAL INFERENCE.

The main centre of high pressure is being displaced to the south and southeast of the British Isles, and a depression on the Atlantic will spread northeastwards. A belt of rain will move northeastwards from Ireland, preceded by local thunderstorms in various districts and accompanied by a general fall in temperatures. Over most of Southern and Eastern England conditions will continue fair and warm for the greater part of to-day.

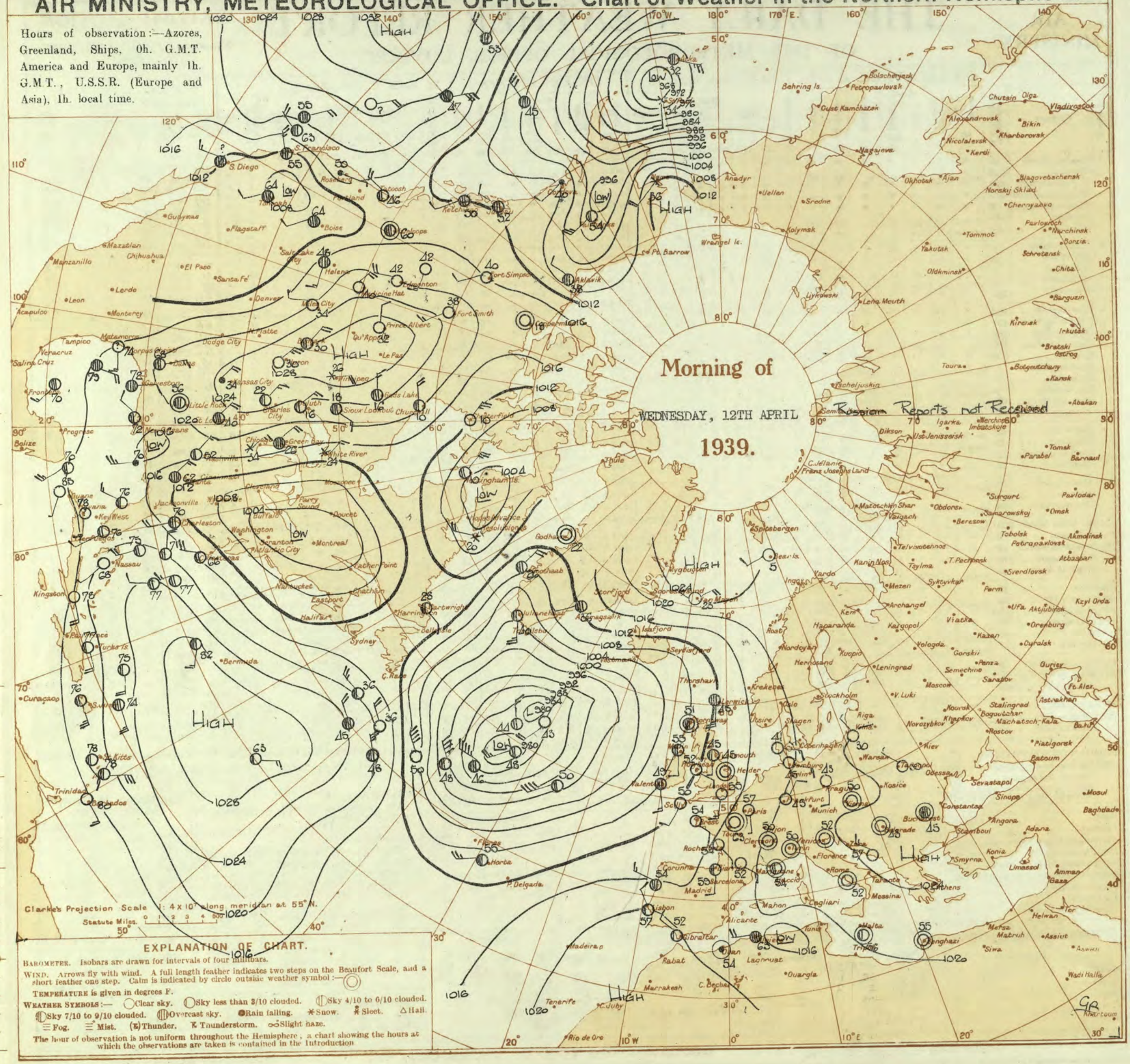
FURTHER OUTLOOK.

Mainly fair in the Southeast; unsettled elsewhere with average temperatures.

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.



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 12th April, 1939.
No. 28265.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1014.0	+6	S	3	b	55	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.6	+6	SSW	1	b	58	65	7	-	-	-	0	0	-
	Manston ...	154	1014.4	+4	SWS	2	b	59	65	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014.1	-2	S'E	2	b	48	85	6	-	-	-	0	0	-
	Mildenhall ...	19	1013.7	0	SSW	1	z_0	46	92	6	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1012.1	+10	SW	3	b	56	85	8	4	-	-	1	1	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1013.8	+6	SSE	2	bc	50	85	7	5	-	-	2-3	2-3	2500
	Plymouth ...	82	1013.9	+12	-	0	z_0	51	92	6	-	-	-	0	0	-
	The Lizard ...	240	1012.5	+10	SSW	2	dF	51	92	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1011.8	+8	SSW	2	b	50	97	6	-	-	-	0	0	-
	Guernsey ...	175	1014.1	+10	S'W	2	pr	59	75	8	8	-	-	7-8	7-8	2500
6	Pembroke ...	142	1011.7	+8	S	4	bc	50	92	7	-	7	-	0	2-3	-
7	Holyhead ...	26	1010.4	-2	SES	2	b	52	92	6	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.8	0	-	0	0	45	97	5	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012.9	-4	S	1	bc	45	92	5	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1012.3	0	S	3	bc	50	75	6	5	-	-	4-6	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1010.6	0	S'E	3	bc	48	97	7	5	-	-	2-3	2-3	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1008.8	-2	-	0	c	51	85	6	5	1	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009.7	-14	S	3	bc	44	97	5	5	-	-	4-6	4-6	1500
16	Lerwick ...	156	1011.9	-18	S'E	5	c	45	85	7	5	4	-	4-6	7-8	800
17	Blacksod Point	18	1005.9	-8	S	4	bc	51	92	8	-	4	-	0	4-6	-
18	Malin Head ...	84	1007.5	+4	S	2	bc	55	75	7	-	4	-	0	2-3	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1007.7	-4	SSE	3	cip	49	97	8	5	-	-	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 12th 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)	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)	1015.8	+10	-	0	bcF	51	97	3	5	3	3	2-3	4-6	4000	1	*
Croydon ...	1015.5	+6	S'W	3	bc	58	75	7	-	8	3	0	4-6	-	1	*
S. Farnborough	1015.7	+14	S'E	2	bc	55	85	7	-	3	-	0	4-6	-	0	*
Boscombe Down	1015.8	+14	S'E	2	z_0	49	97	6	-	4	-	0	1	-	1	*
Calshot (Sthmtn.)	1016.0	+16	SES	2	z_0	50	92	5	-	3	-	0	Tr	-	1	0
Lympne ...	1017.0	+10	SSW	1	bc	57	75	6	-	5	3	0	2-3	-	1	§0
Manston ...	1016.1	+10	S'W	2	bc	58	75	7	-	5	8	0	2-3	-	0	*
Shoeburyness ...	1015.7	+16	SSW	1	m	52	85	4	-	4	1	0	4-6	-	0	*
Felixstowe ...	1016.0	+14	SW	3	z_0	50	92	5	-	3	1	2-3	4-6	7200	0	1
Gorleston ...	1014.5	+6	WSW	2	bc	50	85	6	-	5	-	0	2-3	-	0	2
Mildenhall ...	1014.6	+8	SSE	2	z_0	49	92	5	-	3	3	0	4-6	-	1	*
Cranwell ...	1013.9	+2	-	0	z_0	48	97	5	-	3	-	0	7-8	-	1	*
Birmingham ...	1013.3	+6	S	2	b	55	75	8	-	-	1	0	1	-	0	*
Upper Heyford	1015.2	+12	S	2	z_0	52	92	5	-	3	-	0	Tr	-	1	*
Ross-on-Wye	1014.0	+4	WSW	1	bc	51	85	6	-	-	2	0	2-3	-	0	*
Hartland Point	1013.0	+12	SSE	3	bc	50	97	7	-	-	5	0	2-3	-	0	2
Bristol ...	1014.6	+6	SSE	3	b	56	75	8	-	4	1	0	1	-	0	
Portland Bill ...	1015.1	+20	SSW	2	bc	50	85	7	5	-	-	2-3	2-3	2500	1	3
Plymouth ...	1014.9	+12	SSW	2	f+	50	97	2	-	-	-	10	10	<150	0	1
The Lizard ...	1014.4	+12	S'E	2	oF	49	97	1	5	-	-	10	10	220	1	2
Scilly (St. Mary's)	1013.8	+8	SW'S	4	c	50	97	7	6	-	-	10	10	1500	1	2
Guernsey ...	1016.3	+20	SW	1	bc	57	75	8	-	3	-	0	2-3	-	0	1
Pembroke ...	1013.0	+6	SSW	3	F+	47	97	1	-	-	-	10	10	<150	1	2
Holyhead ...	1011.0	+6	SSE	4	oF	49	97	3	5	-	-	10	10	<150	0	2
Chester (Sealand)	1012.4	+6	SE'E	2	z_0	52	85	5	-	4	-	0	4-6	-	1	*
Manchester ...	1012.4	+6	SSE	2	z_0	55	85	5	-	-	4	0	1	-	1	*
Spurn Head ...	1013.5	-2	SE	2	bc	46	92	5	-	-	1	0	4-6	-	1	1
Catterick ...	1012.7	+2	S'W	2	z_0	44	97	5	-	-	2	0	2-3	-	1	*
Tynemouth ...	1011.7	-2	SSW	2	m	48	85	4	5	-	-	4-6	4-6	1500	0	1
St. Abbs Head	1011.4	-4	WNW	2	bc	46	85	5	5	3	2	2-3	4-6	2500	0	2
Leuchars ...	1010.5	-4	W	2	F+	43	97	1	-	-	-	10	10	<150	1	*
Renfrew (Abbots I.)	1010.5	-12	-	0	z_0	45	97	5	5	7	6	4-6	9	2500	1	*
Eskdalemuir ...	1011.4	+2	-	0	bc	44	92	6	5	7	-	2-3	4-6	4000	1	*
Point of Ayre...	1009.7	0	SSW	1	bc	53	85	8	5	-	6	Tr	2-3	800	0	2
Tiree	1006.9	0	SE'S	3	c	49	92	7	5	2	-	4-6	7-8	2500	0	2
Stornoway ...	1007.5	0	SSW	4	c	52	85	6	5	7	-	7-8	9+	2500	1	2
Dalwhinnie ...	*	-14	S	3	c	48	92	8	4	1	-	2-3	10	4000	1	*
Aberdeen ...	1009.7	-12	S	1	m	45	97	4	-	3	6	0	4-6	-	1	1
Wick ...	1007.3	-4	S	2	c	47	85	6	5	4	8	2-3	7-8	2500	1	1
Lerwick ...	1008.5	-12	S	4	c	45	92	6	5	7	-	4-6	9+	800	0	*
Blacksod Point	1004.7	-12	S	5	c	53	75	9	-	7	-	0	10	-	0	4
Malin Head ...	1007.3	-4	S	1	c	53	75	8	-	3	-	0	7-8	-	0	1
Aldergrove ...	1008.0	-6	S'W	2	z_0	51	85	6	-	3	1	0	9	-	1	*
Birr Castle ...	1008.2	+2	S'W	2	c	48	97	8	-	3	-	0	7-8	-	1	*
Valentia Obsy. †	1006.0	-8	S'E	5	rr	50	97	6	6	2	-	4-6	10	1500	1	3
Roches Point	1009.5	+2	S'W	3	e	49	97	8	5	-	5	4-6	7-8	1500	1	3

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 11th Hrs. (36)
London (Kew)	72	44	37	-	Tr	10.3
Croydon ...	75	53	49	-	-	11.4
S. Farnborough	73	47	40	-	Tr	11.0
Boscombe Down	72	45	41	-	-	10.2
Calshot (Sthmtn.)	59	46	43	-	-	11.2
Lympne ...	71	50	41	-	-	11.5
Manston ...	65	52	47	-	-	11.6
Shoeburyness ...	58	44	36	-	-	11.3
Felixstowe ...	54	44	*	-	-	11.4
Gorleston ...	50	45	43	-	-	11.2
Mildenhall ...	71	42	39	-	Tr	11.6
Cranwell ...	70	41	38	-	-	11.4
Birmingham ...	69	53	47	-	-	8.7
Upper Heyford	71	49	36	-	-	*
Ross-on-Wye	72	47	34	-	-	10.4
Hartland Point	72	49	48	-	-	10.9
Bristol ...	72	49	39	-	-	9.1
Portland Bill ...	52	47	*	-	-	*
Plymouth ...	69	49	41	-	Tr	11.5
The Lizard ...	58	46	*	-	0.2	11.3
Scilly (St. Mary's)	58	49	*	-	-	11.5
Guernsey ...	69	53	44	-	Tr	11.9
Pembroke ...	64	46	*	-	-	9.1
Holyhead ...	71	48	40	-	Tr	11.3
Chester (Sealand)	70	50	42	-	-	8.4
Manchester ...	71	45	36	-	-	7.4
Spurn Head ...	51	43	*	-	Tr	10.9
Catterick ...	66	42	37	-	-	9.5
Tynemouth ...	49	44	38	-	-	9.0
St. Abbs Head	50	46	*	-	-	*
Leuchars ...	51	42	41	-	1	5.0
Renfrew (Abbots I.)	67	42	38	-	0.1	6.7
Eskdalemuir ...	67	41	36	-	-	7.6
Point of Ayre...	64	47	*	-	-	10.1
Tiree	59	48	47	-	-	6.2
Stornoway ...	58	47	*	-	1	6.2
Dalwhinnie ...	58	44	37	-	9.2	8.4
Aberdeen ...	51	40	38	-	-	5.2
Wick ...	48	43	*	-	-	*
Lerwick ...	48	42	*	-	-	4.0
Blacksod Point	62	49	*	-	-	*
Malin Head ...	63	49	*	-	-	2.5
Aldergrove ...	65	46	39	-	3	7.1
Birr Castle ...	68	46	37	-	-	6.7
Valentia Obsy. †	63	49	43	-	3	10.1
Roches Point	56	47		-	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.
Kew...	18	bmbzbzy	bzbz	bzbcf	72	44	37	-	Tr	10.3	*	*	6
Croydon	217	bzy	byz	byzwbc	75	53	49	-	-	11.4	*	*	7
Greenwich (Royal Observatory)...	149	by	by	bbcw	69	48	38	-	-	10.8	54	57	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	10.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	48	42	-		10.0	54	61	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	71	49	40	-	-	9.8	53	59	*
Camden Square	110	o	b	*	73	49	41	-	-	*	*	56	*
Kensington	80	b	b	*	73	49	41	-	-	10.2	At 18h 63	53	*
Hampstead Observatory	450	bm	bc	bc	69	53	41	-	-	10.8	*	65	*

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

South Kensington. Max.	Time.	Min.	Time.
1.3	22.24 11th	0.3	14-15h. 11th

Kew Observatory. Max.	Time.	Min.	Time.
0.8	1.3h. 12th.	0.1	15h. 11th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 11th April. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 12th April. 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	S	3	bc	77	1012.5	S	2	b	59	82	*	1	*
Brussels	1014.3	SSE	1	b	72	1017.9	SSW	3	c	61	81	57	1	-
Berlin	1022.3	E	2	bc	54						59		-	
Zürich	1017.4	NNE	1	b	70	1024.0	SE	1	bc	52	77	48	-	-
Rome	1020.6	SW	1	b	61						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	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, 13th April 1939.
No. 28266.

OBSERVATIONS at 13h. G.M.T. 12th 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)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016·1	−1·0	SW'S	4	bc	65	55	9	-	5	4	0	4·6	-
	Croydon	1016·2	−2	SSW	4	bc	72	45	8	1	5	-	Tr	4·6	5700
	S. Farnborough	1016·3	−2	SW'W	4	bc	70	45	8	-	4	4	0	2·3	-
	Boscombe Down	1016·2	+6	SW'S	4	bc	66	65	7	1	-	1	Tr	4·6	4000
	Calshot (Soton.)	1017·6	+1·0	SW'S	4	b	63	55	8	2	8	1	Tr	1	4000
	Lympne	1018·0	0	SSW	2	bc	69	55	8	3	4	1	1	2·3	2500
	Manston	1016·9	0	SW	2	b	73	53	8	3	8	1	Tr	Tr	4000
2	Shoeburyness	1016·5	−4	SW'S	3	bc	72	45	8	-	3	1	0	4·6	-
	Felixstowe	1016·3	−2	S'W	4	bc	66	65	7	-	4	1	0	2·3	-
	Gorleston	1015·2	−4	SW'S	3	bc	76	45	6	-	4	-	0	2·3	-
	Mildenhall	1014·8	−8	SSW	4	bc	74	35	8	-	3	-	0	4·6	-
	Cranwell	1012·9	−10	S'W	5	b	72	45	8	-	4	1	0	Tr	-
3	Birmingham	1013·9	+2	SSW	2	b	68	45	8	-	-	1	0	Tr	-
	Upper Heyford	1015·3	+2	SW	3	bc	70	55	8	1	-	6	Tr	2·3	4000
4	Ross-on-Wye	1014·3	+4	SW	4	bc	67	45	7	1	-	5	Tr	2·3	4000
5	Hartland Point	1014·2	−4	SW	4	c	55	85	8	2	-	6	1	7·8	2500
	Bristol	1015·4	+4	SSW	4	bc	65	65	8	1	7	8	1	4·6	2500
	Portland Bill	1018·4	+1·2	SW	3	f	49	92	2	-	-	-	10	10	<150
	Plymouth	1016·7	+2	S'W	3	c/f	52	92	6	5	-	-	9+	9+	450
	The Lizard	1016·3	0	SW'S	4	f	51	97	8	5	2	-	7·8	10	1500
	Scilly (St. Mary's)	1014·3	−4	S'W	5	c	54	92	8	5	4	4	2·3	7·8	2500
	Guernsey	1017·6	+8	SW'W	1	b	63	65	8	-	1	1	0	1	-
6	Pembroke	1014·1	0	SSW	4	c	50	92	7	5	2	-	7·8	9+	1500
7	Holyhead	1012·4	+4	SSE	5	c	49	92	7	5	-	-	10	10	450
	Chester (Sealand)	1012·0	−2	SW	3	bc	72	55	8	1	3	-	4·6	4·6	2500
3	Manchester	1012·3	0	SW	3	bc	70	55	7	2	-	1	2·3	4·6	4000
10	Spurn Head	1012·9	−4	SSW	4	bc	71	45	6	-	-	3	0	2·3	-
	Catterick	1011·1	−6	WSW	4	z	68	55	6	1	-	2	1	4·6	2500
	Tynemouth	1010·1	−10	SW	4	bc	70	45	6	8	6	1	2·3	4·6	2500
11	St. Abbs Head	1008·4	−10	SSW	5	c	65	55	6	7	6	9	4·6	7·8	2500
	Leuchars	1008·5	−12	SSW	4	z	63	65	6	5	7	6	4·6	9+	1500
12	Renfrew (Abbotsl.)	1008·9	−8	WSW	3	z	63	65	6	1	7	6	4·6	7·8	4000
	Eskdalemuir	1011·2	+4	SW'S	4	m	49	92	4	5	-	-	10	10	<150
	Point of Ayre	1010·8	+2	S'W	4	c	56	85	7	5	-	9	2·3	9+	800
13A	Tiree	1006·1	0	S'E	4	c/d	52	85	6	5	-	-	9+	9+	2500
13B	Stornoway	1006·2	−12	S	4	c/pr	55	75	7	5	1	-	4·6	10	4000
15	Dalwhinnie	1007·3	−8	SSW	5	c	57	75	7	4	6	-	7·8	10	2500
	Aberdeen	1007·8	−16	S	2	c	60	65	6	-	7	3	0	7·8	-
	Wick	1006·5	−6	S	2	c	51	85	6	5	1	7	4·6	10	2500
16	Lerwick	1007·5	−4	S	4	c	46	92	6	5	3	-	7·8	9+	800
17	Blacksod Point	1002·9	−14	SSE	5	ir	54	97	7	6	-	-	10	10	450
18	Malin Head	1006·3	−2	S	3	c	54	75	7	8	2	-	4·6	9	4000
	Aldergrove	1008·1	−2	SW	4	ir	56	65	7	5	2	-	1	10	1500
19	Birr Castle	1007·5	−4	SSW	3	c	54	85	8	5	1	-	7·8	10	1500
20	Valentia Obsy.†	1004·7	−10	S	6	z	54	97	6	5	-	-	10	10	450
	Roches Point	1009·0	−2	S'W	5	d	50	97	6	5	-	-	10	10	450

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

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)	1016·4	+8	SW'S	4	c	62	55	8	-	-	4	0	7·8	-	0	*
	Croydon	1016·4	+6	SSW	4	c	64	65	8	-	8	4	0	7·8	-	1	*
	S. Farnborough	1016·7	+6	SW'S	4	bc	61	55	8	-	5	4	0	4·6	-	0	*
	Boscombe Down	1016·7	+10	SW'S	4	c	57	75	8	2	4	4	Tr	7·8	4000	0	*
	Calshot (Soton.)	1017·4	+2	SSW	3	c/f	52	85	8	2	1	6	Tr	7·8	<150	1	2
	Lympne	1018·6	+4	SW	2	bc	60	65	8	-	-	4	0	2·3	-	0	§ 1
	Manston	1017·2	+6	S'W	3	bc	63	65	8	-	-	6	0	4·6	-	0	*
2	Shoeburyness	1016·6	+6	SW	3	bc	63	55	8	-	4	4	0	4·6	-	0	*
	Felixstowe	1015·5	0	S	4	bc	61	65	8	-	-	6	0	2·3	-	0	3
	Gorleston	1014·8	+4	SSE	3	bc	56	75	6	-	-	1	0	2·3	-	0	2
	Mildenhall	1014·2	+2	SSW	4	bc	69	45	8	1	7	6	Tr	4·6	4000	0	*
	Cranwell	1012·9	+2	SW'S	3	bc	65	55	8	7	-	4	Tr	4·6	4000	0	*
3	Birmingham	1013·6	0	S	3	c	62	55	8	1	-	2	2·3	9+	2500	0	*
	Upper Heyford	1015·4	+4	SW	4	bc	63	55	9	-	4	2	0	4·6	-	0	*
4	Ross-on-Wye	1014·1	−4	SW	4	bc	61	65	8	1	-	2	Tr	4·6	4000	0	*
5	Hartland Point	1013·7	−4	SW	4	bc	56	75	8	1	4	3	Tr	4·6	2500	0	2
	Bristol	1015·6	+2	SSW	4	bc	56	75	8	-	8	8	0	4·6	-	0	*
	Portland Bill	1017·0	−4	SW	3	f	48	92	2	-	-	-	10	10	<150	1	3
	Plymouth	1016·2	−8	S'W	3	c	52	92	7	5	7	-	9	9+	800	0	2
	The Lizard	1015·7	+4	SSW	4	c	52	92	7	8	2	-	7·8	9+	1500	0	1
	Scilly (St. Mary's)	1013·2	−8	S'W	5	c	52	97	7	5	-	-	10	10	1500	0	3
	Guernsey	1017·5	+2	-	0	bc	58	85	8	-	7	8	0	4·6	-	0	0
6	Pembroke	1013·1	−8	SSW	5	cq	50	92	7	8	-	-	10	10	1500	1	3
7	Holyhead	1011·2	−2	SSE	4	c	51	85	9	5	-	-	9	9	1500	0	2
	Chester (Sealand)	1012·0	+2	SSW	3	c	64	55	9	1	9	-	1	7·8	2500	0	*
3	Manchester	1011·9	+4	SW'W	4	bc	65	45	7	1	3	2	1	4·6	4000	1	*
10	Spurn Head	1012·1	−2	SW'S	4	c	64	55	7	-	-	6	0	7·8	-	0	3
	Catterick	1010·8	+2	W	3	c	61	65	7	5	4	9	1	7·8	4000	1	*
	Tynemouth	1009·8	0	SW	3	c	63	55	6	8	-	-	7·8	7·8	2500	0	1
11	St. Abbs Head	1008·4	0	WSW	6	cq	53	65	8	8	2	-	2·3	9+	2500	0	3
	Leuchars	1007·8	0	SSW	3	c	57	75	7	5	7	-	4·6	9	2500	1	*
12	Renfrew (Abbotsl.)	1008·7	0	SSW	4	c/r	52	75	7	5	7	-	7·8	9+	4000	0	*
	Eskdalemuir	1010·9	+2	SSW	4	c	47	85	7	5	-	-	10	10	450	1	*
	Point of Ayre	1009·4	−4	SW	5	c	53	85	7	5	4	-	4·6	7·8	800	0	3
13A	Tiree	1003·4	−14	SE'E	4	rr	48	97	5	-	2	-	10	10	450	1	3
13B	Stornoway	1004·9	−14	S	4	c	51	75	7	5	7	-	7·8	9+	2500	1	2
15	Dalwhinnie	1007·4	−2	SSW	2	c	52	65	8	4	6	-	7·8	10	2500	0	*
	Aberdeen	1006·7	−6	S'W	3	ir	55	75	6	6	2	-	1	9+	1500	1	1
	Wick	1004·3	−12	NW	3	c	50	85	5	5	7	-	7·8	9+	800	1	1
16	Lerwick	1004·4	−12	S	1	c	50	85	6	5	2	-	4·6	10	800	0	*
17	Blacksod Point	998·8	−18	S	6	cq	53	97	8	8	-	-	10	10	1500	1	5
18	Malin Head	1003·4	−20	S'E	3	c/pr	54	92	7	9	-	-	9	9	1500	0	1
	Aldergrove	1005·8	−14	SSW	4	c	54	85	8	5	-	-	9+	9+	2500	1	*
19	Birr Castle	1004·8	−18	SSW	5	c	55	92	8	8	3	-	4·6	9	1500	1	*
20	Valentia Obsy.†	1001·8	−20	S'W	7	rr	53	92	6	6	-	-	10	10	800	1	4
	Roches Point	1006·3	−18	S'W	6	c/d	51	97	6	5	7	5	4·6	9	800	1	4

PAST 24 HOURS. WEATHER.

District	Stations.	7h.–13h. 12th. (37)	13h.–18h. 12th. (38)	18h. 12th to 1h. 13th. (39)	1h.–7h. 13th. (40)
1	London (Kew)	bzbcyV	bcycy	cybcbbc	bcwc
	Croydon	bczoby	bcyV	cbc	bwc
	S. Farnborough	bcbbey	bcbbey	ybcw	bcwc
	Boscombe Down	bmobc	bccyc	c	c
	Calshot (Soton.)	bbcb	bcyf	bcc	c
	Lympne	bczoby	bbcby	bcbcbcw	bbccwmo
	Manston	bbcyby	bbcy	bccb	bbcwc⊕
2	Shoeburyness	bcmbcy	bbcy	bcy	bccmo
	Felixstowe	bmbcmob	b	b	bwc
	Gorleston	bczo	bczq	bcbbc	bcc
	Mildenhall	bzy	bybcyV	bcvybc	bccw
	Cranwell	bcmoby	bybcy	bcybbc	bcc
3	Birmingham	b	bbc	bcc	co
	Upper Heyford	bmob	bcyV	bc	cmo
4	Ross-on-Wye	by	bcy	bcc	co
5	Hartland Point	bccm	cbc	bcc	codd
	Bristol	bbc	bcybc	bcc	cmo
	Portland Bill	bcf	off	bc	bcc
	Plymouth	fefecmocmoc	c	c	oidmo
	The Lizard	Ffcc	bcc	c	cidmo
	Scilly (St. Mary's)	c	cbcc	c	codd
	Guernsey	bcb	bbc	bcb	bcwc
6	Pembroke	oFcc	cq	cq	rrmo
7	Holyhead	ofcmc	cb,c	irrrc	rRRrc
	Chester (Sealand)	bcmoyW	bccy	bccy	bccrmo
3	Manchester	bmzy	bcy	bcybcz	bczc
10	Spurn Head	bczo	bcc	bcb	bcc
	Catterick	bzbczo	zocybc	bcb	bcmo
	Tynemouth	bcm	bc	cbc	bcc
11	St. Abbs Head	cmoy	cq	bccq	cqmrr
	Leuchars	fefcmmcmoc	cw	cw	cw
12	Renfrew (Abbotsl.)	cfbczo	bccirc	cmorrc	cir
	Eskdalemuir	bcom	omc	cprc	irrr
	Point of Ayre	bcc	c	cdd	crr
13A	Tiree	crdoz	cdmdr	rdRc	cbc
13B	Stornoway	cpro	cpro	cRRrr	crrpro
15	Dalwhinnie	c	c	•	ciR
	Aberdeen	bczo	ccirc	crbc	bczo
	Wick	cmo	cmo	dcmo	cmobc
16	Lerwick	cmo	cmo	cidmo	cir
17	Blacksod Point	rr	iRq	prcq	PRcq
18	Malin Head	circ	circ	cbccprbc	c
	Aldergrove	cmcir	irprc	circ	c
19	Birr Castle	c	c	c	c
20	Valentia Obsy.†	rrrrmo	rrr	rrbcc	cprc
	Roches Point	cdrdd	oddc	drdrc	ido

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.*

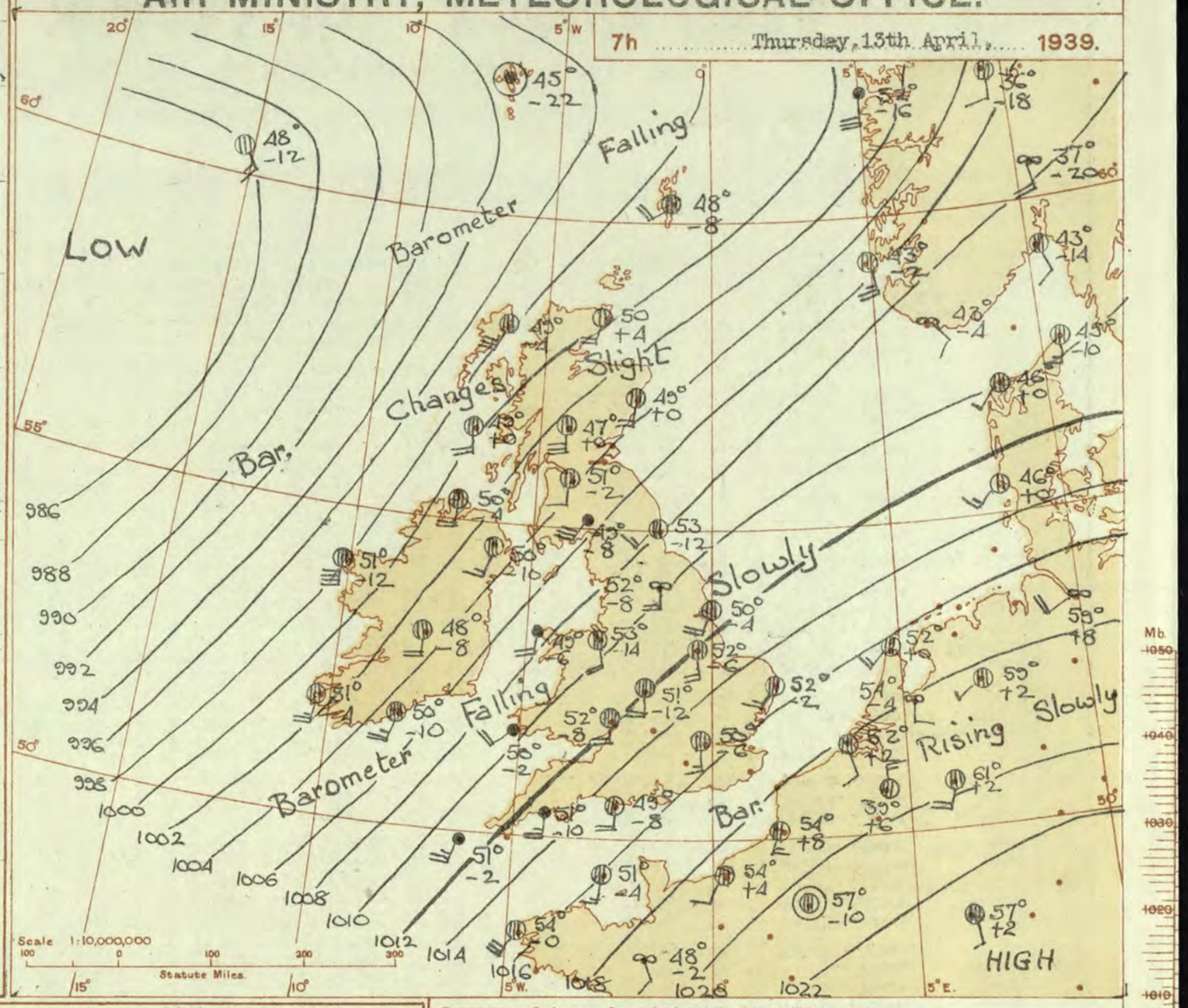
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 12th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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. (Hrs.) Sunrise to 17h. 12th	Sunshine. (Hrs.) Sunrise to Sunset. 11th
1	Tunbridge W.	b	bbcb	45	73	-	-	10·3	11·3
	Bournemouth	b	b	45	65	-	-	10·5	9·7
	Ventnor ...	bz	bbc	50	60	-	-	10·4	10·9
	Southsea ...	b	b	49	69	-	-	10·2	11·1
	Bognor Regis	b	b	48	57	-	-	10·5	11·3
	Littlehampton	b	bbc	48	59	-	-	10·7	11·6
	Worthing ...	b	b	48	60	-	-	10·5	11·5
	Brighton ...	b	b	50	60	-	-	10·1	11·3
	Eastbourne† ...	bbc	bcyb	50	65	-	-	9·8	11·4
	Hastings† ...	b	bcb	51	63	-	-	9·7	11·9
	Folkestone ...	b	b	46	63	-	-	10·4	10·8
	Dover ...	bc	bc	49	60	-	-	10·2	10·8
	Deal	bcb	b	49	74	-	-	10·8	11·0
	Ramsgate ...	bc	bc	50	64	-	-	10·2	11·3
	Margate ...	bc	bc	51	76	-	-	11·1	11·4
2	Southend ...	bzb	b	50	73	Trace	-	10·9	11·3
	Clacton-on-Sea	bmbc	bcv	47	63	-	-	10·5	11·2
	Dovercourt ...	bc	bcv	47	74	-	-	10·3	11·2
	Lowestoft ...	b	b	49	75	-	-	10·0	12·0
	Skegness ...	b	b	44	73	-	-	10·4	11·6
	Mablethorpe...	b	by	40	74	-	-	10·7	11·0
	Cleethorpes ...	b	b	41	75	-	-	10·0	10·0
3	Leamington S.	b	b	44	72	-	-	11·0	10·4
4	Cheltenham†	b	bbcq	48	70	-	-	10·8	9·9
5	Bath	b	b	44	68	-	-	11·0	10·0
	Weymouth ...	bm	mc	44	57	-	-	3·5	9·5
	Jersey ...	bc	bc	53	68	-	-	9·9	10·9
	Torquay ...	wb	bbc	44	60	-	-	8·0	11·8
	Falmouth ...	c	b	48	58	-	-	3·7	11·0
	Penzance ...	c	cbbc	48	56	-	-	3·2	10·9
	St. Ives ...								
	Bude... ...	bc	bc	49	63	-	-	10·3	10·7
	Ilfracombe ...	bcb	bcb	52	65	-	-	10·3	10·5
6	Aberystwyth	cbc	bc	52	63	-	-	10·4	8·8
7	Llandudno ...	bbc	bccbc	53	64	-	-	7·5	8·5
	Colwyn Bay...	bcb	bccbc	54	65	-	-	7·8	8·7
	Rhyl	bcbbc	cbcb	51	66	-	-	9·1	9·3
8	Wallasey ...	bcb	bbc	53	69	-	-	10·0	8·7
	Southport ...	bzybc	bbc	49	67	-	-	9·0	10·0
	Blackpool ...	bbc	bbc	49	64	-	-	9·2	10·2
	Morecambe ...	bcb	bbc	49	71	-	-	9·3	9·9
9	Ilkley... ...	b	b	39	72	-	-	8·3	9·0
	Harrogate ...	b	bbc	42	71	-	-	9·8	9·6
10	Berwick-on-T.	bcmc	bcc	41	67	-	-	7·3	9·5
11	Dunbar ...	bcm.	bm.	40	66	-	-	5·7	9·0
12	Troon... ...	bcbbc	copoc	47	57	Trace	Trace	3·6	8·8
	Douglas ...	om	cm.	47	49	-	-	0·0	10·8

† 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.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind southerly, moderate; mainly cloudy, but bright periods locally at first; some light rain later to-day, except perhaps in the extreme Southeast; mild.
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	Wind south to southwest, moderate or fresh; cloudy or dull; occasional rain or drizzle to-day; local hill and coast mist or fog in the West; brighter periods probably with a few showers tomorrow; mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland.	Wind south, fresh to strong, gale locally off the northwest seaboard; cloudy with brighter intervals later; occasional rain or showers; mild.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind south, fresh or strong; cloudy or dull; occasional rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	As 12 - 13B.

GENERAL INFERENCE.

A complex, deep depression on the Atlantic will continue to spread northeastwards whilst pressure remains high over Southern Europe and the Mediterranean. There will be occasional rain in most districts today with the possible exception of the extreme Southeast, but subsequently a rather more showery type of weather with brighter periods will spread from the West. Conditions will be mild for the season.

FURTHER OUTLOOK.

Mild weather for two or three days. Unsettled and showery in most districts.

Time of Issue of Gale Warnings.

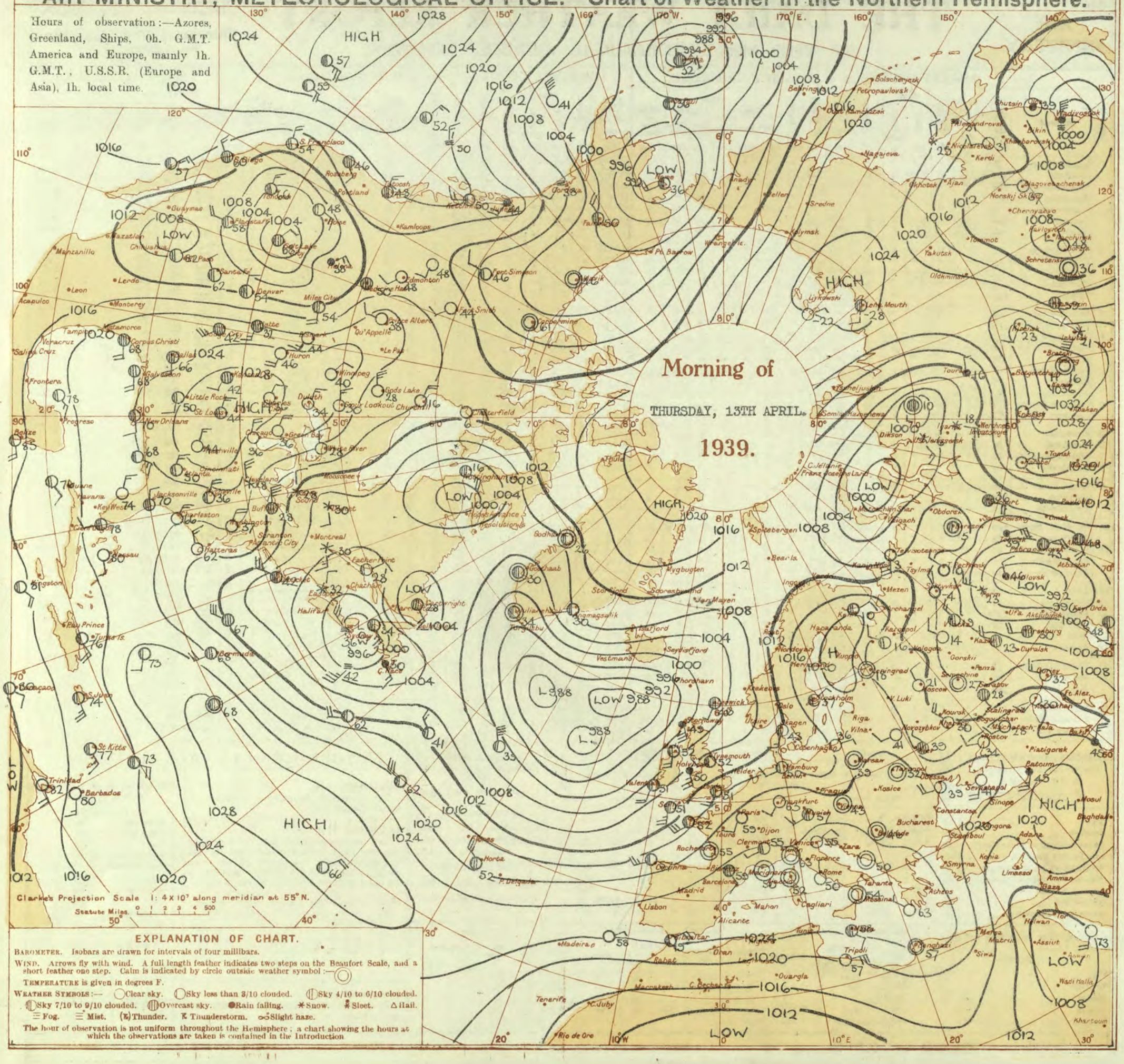
South Cone hoisted at 0915 on 13/4/39 in districts 13, 17 and 20.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G.465. 3670. Wt. 8109. D.4626. Gp. 948. 35400

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, 13th April, 1939
No. 28266

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

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	1017·7	0	SSW	3	bc	51	85	8	-	-	2	0	2-3	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1019·0	-6	SW	2	b	49	85	7	-	-	-	0	0	-
	Manston	154	1017·8	-6	SSE	2	b	51	85	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1015·9	0	SSW	3	bc	56	75	7	-	5	-	0	2-3	-
	Mildenhall	19	1015·2	-6	S'W	3	c	55	75	7	-	-	6	0	7-8	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1012·7	-6	S	4	c	52	92	8	5	-	-	7-8	7-8	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1017·7	-18	SW	3	bc	48	92	7	5	-	-	4-6	4-6	2500
	Plymouth	82														
	The Lizard	240	1014·0	-8	S'W	4	c	51	97	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1011·6	-14	S'W	5	c	51	97	7	5	-	-	10	10	1500
	Guernsey	175	1017·6	-10	SSW	3	bc	51	92	8	-	7	-	0	4-6	-
6	Pembroke	142	1011·2	-6	SWS	6	cq	50	92	7	8	-	-	10	10	1500
7	Holyhead	26	1009·0	-6	SSE	5	r̥r̥	50	92	7	6	2	-	7-8	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1012·7	-2	SW	3	b	52	85	7	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1009·9	-10	WSW	2	bc	52	65	7	2	-	-	4-6	4-6	1500
11	St Abbs Head	280	1007·7	0	SW	6	cq	52	75	8	8	6	-	4-6	7-8	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1008·6	-4	SSW	5	d̥d̥	50	97	7	8	-	-	9	9	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	999·2	-24	SSE	6	rr	49	97	6	5	2	-	9	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1001·2	-20	S	3	c	47	92	6	8	1	-	7-8	9+	1500
16	Lerwick	156	1002·0	-18	SSW	1	c	46	92	6	5	1	-	4-6	7-8	800
17	Blacksod Point	18	999·1	0	S	8	bcq	50	97	7	9	-	-	4-6	4-6	1500
18	Malin Head	84	1001·3	+4	S	4	bc	52	75	7	4	-	-	2-3	2-3	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1003·2	-6	SSW	4	c	51	92	7	5	-	-	7-8	7-8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 13th 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)	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)	1015·8	-8	SSW	3	c	51	92	7	5	7	-	7-8	9+	2500	0	*
Croydon	1016·2	-6	S'E	3	c	50	92	7	5	4	6	Tr	9+	1500	1	*
S. Farnborough	1016·1	-2	SW'S	4	c	51	92	7	5	2	-	9+	10	800	0	*
Boscombe Down	1015·1	-10	S'W	3	z̥	50	97	6	5	-	-	10	10	450	0	*
Calshot (Sthmtn.)	1016·4	-4	SSW	4	c	51	92	7	8	2	-	10	10	800	1	2
Lympne	1018·3	-2	SSW	2	c	48	92	6	-	-	7	0	10	-	0	§2
Manston	1017·0	-4	S	1	c	51	85	7	-	-	7	0	9+	-	0	*
Shoeburyness	1016·9	0	S'W	3	c	51	85	6	-	4	8	0	9	-	0	*
Felixstowe	1016·6	0	SW	3	c	50	92	7	-	7	2	0	9+	-	0	3
Gorleston	1015·5	-2	SW'S	3	c	52	75	6	-	7	-	0	7-8	-	0	2
Mildenhall	1014·4	-10	S	4	c	52	85	7	5	7	-	9	10	4000	1	*
Cranwell	1013·1	-6	S'E	4	c	52	92	7	5	7	-	4-6	9+	4000	1	*
Birmingham	1011·8	-12	S	4	o	51	85	8	6	-	-	10	10	800	1	*
Upper Heyford	1014·4	-8	S'W	4	z̥	51	92	6	5	1	-	9	10	800	0	*
Ross-on-Wye	1012·1	-8	S	4	o	52	85	6	5	-	-	10	10	800	0	*
Hartland Point	1009·5	-16	SSW	5	d̥d̥	53	97	6	5	-	-	10	10	1500	1	3
Bristol	1013·2	-12	SSW	5	c	52	92	7	5	-	-	10	10	800	0	*
Portland Bill	1014·6	-8	S	4	c	49	92	7	5	2	-	7-8	10	2500	1	4
Plymouth	1012·9	-10	S	5	id̥	51	97	6	5	-	-	10	10	450	0	2
The Lizard	1011·4	-2	S'W	5	id̥	51	97	4	5	-	-	10	10	800	1	3
Scilly (St. Mary's)	1010·1	-2	SSW	5	dd	51	97	6	5	-	-	10	10	1500	1	3
Guernsey	1016·4	-4	S'W	3	c	51	92	7	-	3	7	0	10	-	0	2
Pembroke	1008·4	-2	SW	4	rr	50	97	5	5	-	-	10	10	800	1	3
Holyhead	1006·5	-6	S	4	r̥r̥	49	97	7	6	2	-	7-8	10	450	1	3
Chester (Sealand)	1009·1	-14	SSE	4	c/r	53	85	6	5	7	-	4-6	9	1500	0	*
Manchester	1009·5	-16	S	4	c	53	85	7	5	7	-	9	9+	1500	1	*
Spurn Head	1010·6	-4	SSW	4	c	50	92	6	5	1	-	4-6	10	2500	0	2
Catterick	1008·4	-8	S'E	4	z̥	52	85	6	5	3	-	7-8	10	1500	1	*
Tynemouth	1007·4	-12	SW	3	c	53	85	6	5	2	-	4-6	9	1500	0	1
St Abbs Head	1005·2	-8	SW	5	r̥r̥	51	97	8	3	2	-	4-6	9+	2500	1	3
Leuchars	1003·9	-4	SSW	4	⊕c	51	92	8	8	4	6	2-3	9	2500	1	*
Renfrew (Abbots I.)	1004·7	-2	S	2	c	51	85	7	5	2	-	9	10	800	1	*
Eskdalemuir	1005·1	-8	SSW	6	r̥r̥	49	97	5	-	2	-	10	10	220	1	*
Point of Ayre	1005·7	-12	SW	5	rr	51	97	6	8	1	-	7-8	10	800	1	3
Tiree	999·9	0	SSE	4	c	49	85	7	5	7	-	4-6	7-8	2500	0	3
Stornoway	998·9	-4	SSW	6	c	49	85	7	5	5	-	4-6	7-8	1500	1	3
Dalwhinnie	1003·6	0	S	6	c	47	85	8	6	5	-	4-6	7-8	2500	1	*
Aberdeen	1003·5	0	S'W	4	c	49	85	6	6	-	8	4-6	9	1500	1	1
Wick	999·8	+4	SSW	4	bc	50	85	8	8	7	1	2-3	4-6	2500	1	2
Lerwick	998·8	-8	SW	4	c/r	48	92	7	8	7	-	4-6	9+	800	1	*
Blacksod Point	997·1	-12	S	8	cq	51	92	7	9	-	-	10	10	800	1	5
Malin Head	1008·3	-4	S	4	c	50	85	8	4	-	-	7-8	7-8	2500	0	1
Aldergrove	1002·8	-10	SSW	3	c	50	85	8	5	1	-	Tr	10	1500	1	*
Birr Castle	1002·4	-8	S	4	c	48	97	8	5	7	-	4-6	9	1500	1	*
Valentia Obsy. †	1001·3	-4	S'W	5	c	51	92	8	9	8	-	7-8	9+	1500	1	4
Roches Point	1004·3	-10	SSW	5	o	50	97	7	5	-	-	10	10	800	1	4

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 12th Hrs. (36)
London (Kew)	69	49	42	-	-	10·1
Croydon	73	48	45	-	-	10·0
S. Farnborough	71	47	42	-	Tr	11·4
Boscombe Down	68	47	44	-	-	10·4
Calshot (Sthmtn.)	64	47	46	-	-	11·3
Lympne	70	45	37	-	-	10·9
Manston	74	47	42	-	-	11·8
Shoeburyness	74	49	41	-	-	11·2
Felixstowe	66	48	46	-	-	10·2
Gorleston	76	51	49	-	-	11·0
Mildenhall	75	48	44	-	Tr	10·7
Cranwell	72	48	43	-	-	10·2
Birmingham	70	49	47	-	-	10·8
Upper Heyford	79	49	43	-	-	*
Ross-on-Wye	68	50	47	-	-	11·6
Hartland Point	58	51	50	-	0·3	10·4
Bristol	66	50	46	-	-	12·2
Portland Bill	52	46	*	Tr	-	*
Plymouth	53	50	48	-	Tr	0·3
The Lizard	55	50	*	-	1	2·6
Scilly (St. Mary's)	55	51	*	-	2	6·4
Guernsey	67	49	45	-	-	11·7
Pembroke	51	48	*	-	3	3·1
Holyhead	53	48	48	Tr	5	2·4
Chester (Sealand)	73	53	48	-	Tr	10·6
Manchester	71	51	48	-	-	10·2
Spurn Head	72	49	*	-	-	11·0
Catterick	70	50	41	-	-	8·7
Tynemouth	71	52	46	-	-	8·9
St Abbs Head	65	49	*	-	3	*
Leuchars	65	51	47	-	-	2·6
Renfrew (Abbots I.)	64	50	47	Tr	1	2·0
Eskdalemuir	57	46	45	-	6	3·0
Point of Ayre	64	49	*	-	8	6·6
Tiree	55	45	43	2	3	1·2
Stornoway	55	47	*	0·1	5	0·5
Dalwhinnie	59	45	42	-	1	0·5
Aberdeen	63	49	44	0·1	0·3	3·7
Wick	57	47	*	-	0·1	*
Lerwick	53	44	*	-	0·1	1·0
Blacksod Point	58	48	*	6	8	*
Malin Head	65	46	*	1	Tr	0·1
Aldergrove	59	49	43	0·2	0·2	1·2
Birr Castle	56	46	37	-	-	0·1
Valentia Obsy. †	54	51	48	5	1	0·0
Roches Point	52	49	*	2	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.	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	bzbcyv	bcycy	cybcwc	69	49	42	-	-	10·1	•	•	6
Croydon	217	bczby	bcyv	cbcbwc	73	48	45	-	-	10·0	•	•	7
Greenwich (Royal Observatory)	149	bcy	bcy	bc	75	48	40	-	-	9·7	37	80	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	9·2	•	•	•
Westminster (St. James' Park)	27	•	•	•	74	51	46	-	-	9·4	45	83	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	75	50	46	-	-	9·1	41	83	•
Camden Square	110	bc	bc	•	76	50	45	-	-	*	•	79	•
Kensington	80	bcz	bc	•	76	50	43	-	-	10·0	At 18h 47	81	•
Hampstead Observatory	450	bc	bc	o	73	48	42	-	-	10·2	•	87	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0·5	7h. 12th	<0·1	1-6h. 13th

Kew Observatory.

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

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 12th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 13th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1018·7	SW	3	c	72	1021·1	–	0	c	57	77	55	–	–
Brussels	1018·2	N	3	c	66	1018·7	N'W	4	c	59	77	54	–	–
Berlin	1016·3	–	0	z̥	63	1017·1	W'S	3	b	61	74	54	–	2
Zürich	1022·6	SW	2	b	68	1025·0	SE	2	bc	52	75	50	–	–
Rome	1026·0	WSW	2	b	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	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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 14th April, 1939.
No. 28267

OBSERVATIONS at 13h. G.M.T. 13th 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)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1013.1	-20	SSW	5	bc	59	65	8	7	5	–	4-6	4-6	2500
	Croydon ...	1013.7	-16	SW'S	5	c	62	65	8	1	4	1	4-6	7-8	2500
	S. Farnborough	1013.1	-14	SSW	4	c	60	75	8	7	3	–	7-8	7-8	2500
	Boscombe Down	1012.5	-18	SW'S	6	c	59	75	7	6	2	2	7-8	9+	800
	Calshot (Soton.)	1013.8	-16	S'W	6	c	58	75	8	7	7	1	7-8	9+	800
	Lympne ...	1016.5	-14	SW	5	c	55	75	8	5	9	6	4-6	9	4000
	Manston ...	1015.3	-14	S	5	c	59	65	7	5	7	8	Tr	9	1500
2	Shoeburyness ...	1014.5	-12	S'W	4	c	61	65	8	7	7	8	2-3	7-8	4000
	Felixstowe ...	1014.6	-12	SW'S	4	c	54	85	7	1	7	8	Tr	9+	2500
	Gorleston ...	1013.2	-10	S'W	5	c	59	75	6	5	4	-	4-6	9+	4000
	Mildenhall ...	1012.1	-14	S	5	z0	60	75	6	5	2	–	4-6	9+	2500
	Cranwell ...	1009.5	-18	S	5	c	57	85	7	5	–	–	10	10	2500
3	Birmingham ...	1009.4	-14	S	4	o	54	85	8	6	–	–	10	10	800
	Upper Heyford	1011.2	-22	SSW	4	c	59	75	8	5	3	–	9	9+	1500
4	Ross-on-Wye ...	1009.2	-14	S	5	ir	54	85	6	6	–	–	10	10	1500
5	Hartland Point	1009.2	-2	WSW	5	c/r	50	97	8	9	2	–	7-8	9+	1500
	Bristol ...	1011.3	-10	SSW	5	rr	54	85	6	6	2	–	9	10	800
	Portland Bill ...	1011.5	-16	S	4	c	51	92	7	5	–	–	10	10	2500
	Plymouth ...	1011.4	-6	SSW	5	c/r	50	97	6	6	2	–	4-6	9+	450
	The Lizard ...	1010.9	+2	SSW	4	bc	53	97	8	8	4	–	4-6	4-6	2500
	Scilly (St. Mary's)	1009.4	-2	SW'S	5	bc	55	92	7	4	4	4	Tr	2-3	2500
	Guernsey ...	1013.6	-20	S'W	4	c	59	75	7	5	7	–	4-6	7-8	2500
6	Pembroke ...	1007.9	-2	SW'W	5	c	49	97	7	8	6	1	4-6	7-8	1500
7	Holyhead ...	1005.6	-8	S'E	4	c/r	50	92	8	6	1	–	9	10	1500
	Chester (Sealand)	1008.0	-4	SW	3	r0r0	55	75	8	5	2	–	4-6	10	1500
8	Manchester ...	1007.5	-10	SW	3	rr	52	92	6	6	2	–	7-8	10	1500
10	Spurn Head ...	1008.7	-6	SSW	5	c	57	75	6	5	7	–	7-8	9+	2500
	Catterick ...	1006.7	-2	W'S	4	ir	51	92	7	6	2	–	4-6	10	800
	Tynemouth ...	1005.8	-10	SW	4	o	56	75	6	5	–	–	10	10	1500
11	St. Abbs Head...	1001.9	-10	SW	6	cq	56	65	9	6	2	–	2-3	10	1500
	Leuchars ...	1002.0	-18	S	4	c	57	75	8	8	7	–	2-3	10	1500
12	Renfrew (AbbotsI.)	1002.4	-14	SSW	4	c	57	65	7	8	7	–	9+	10	2500
	Eskdalemuir ...	1004.2	-4	SSW	6	ir0	49	92	7	6	–	–	10	10	450
	Point of Ayre ...	1004.2	-12	SW'S	5	c	52	92	6	8	1	–	7-8	10	800
13A	Tiree ...	997.6	-4	SSE	5	bc	54	75	7	5	3	–	4-6	4-6	2500
13B	Stornoway ...	997.7	-10	S	7	c	52	75	7	5	7	–	4-6	9+	2500
15	Dalwhinnie ...	1000.5	-12	S	5	c	52	65	8	4	2	–	7-8	10	2500
	Aberdeen ...	1001.1	-18	S	4	c	56	65	6	1	7	–	1	9+	2500
	Wick ...	998.8	-12	SSW	3	c	55	65	8	5	7	9	4-6	7-8	1500
16	Lerwick...	999.7	+6	SW'W	4	c	53	65	8	5	3	8	1	7-8	800
17	Blacksod Point...	996.8	0	SSW	8	bcjp	54	92	7	3	–	–	4-6	4-6	800
18	Malin Head ...	998.2	-4	S'W	4	bc	55	65	8	2	5	–	2-3	4-6	5700
	Aldergrove ...	1000.9	-16	SW	4	bc	59	65	7	1	–	8	4-6	4-6	1500
19	Birr Castle ...	1000.9	-12	S'W	5	c	61	65	8	8	3	–	7-8	9	1500
20	Valentia Obsy.†	1001.0	-2	SSW	6	c	55	85	7	8	3	–	9	9+	1500
	Roches Point ...	1003.8	-4	SW	4	c	53	92	8	5	–	–	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 13th 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)	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)	1011.8	-2	SW	5	c	55	85	7	5	–	[illegible]	10	10	1500	0	*
Croydon	1011.7	-12	SW'S	3	c/r	57	75	6	6	2	–	7-8	10	2500	1	*
S. Farnborough	1011.6	-2	SW'S	4	r0r0	52	92	7	6	2	–	9+	9+	1500	1	*
Boscombe Down	1011.5	+2	SSW	4	c	51	92	8	5	7	–	7-8	9	1500	1	*
Calshot (Soton.)	1012.2	-2	SW'S	3	dr	51	97	7	5	7	–	4-6	9+	800	1	2
Lympne	1014.0	-14	SW	2	c/pr	53	85	8	5	7	–	4-6	9+	4000	0	§2
Manston	1012.9	-20	S'W	3	pr	57	75	7	5	7	–	4-6	9+	5700	0	*
Shoeburyness	1012.1	-10	S	3	c	57	75	8	5	3	8	7-8	9+	4000	0	*
Felixstowe	1011.8	-10	S'W	4	c	53	85	8	5	3	1	7-8	9	4000	0	3
Gorleston	1010.2	-6	SSW	5	c	62	55	6	5	–	–	9	9	2500	0	3
Mildenhall	1009.4	-16	S'W	5	c/r	60	65	7	5	2	–	9+	10	1500	0	*
Cranwell	1007.6	-6	SSW	4	c	56	65	8	5	2	–	9	9+	1500	1	*
Birmingham	1008.3	0	SSW	2	c	52	85	8	5	7	8	2-3	7-8	1500	1	*
Upper Heyford	1010.4	-2	SSW	4	c	53	75	9	7	9	8	7-8	9+	800	1	*
Ross-on-Wye	1008.9	0	SW'S	4	ir	52	85	7	6	7	–	9+	10	2500	1	*
Hartland Point	1007.8	0	W	6	c	51	92	8	6	4	4	7-8	9	1500	1	3
Bristol	1009.7	-6	SSW	3	bc	54	85	8	9	3	6	2-3	4-6	1500	1	*
Portland Bill	1011.2	-6	SW	3	c	49	92	8	5	–	–	10	10	2500	1	4
Plymouth	1010.7	-6	SSW	4	cjp	51	92	7	5	–	–	10	10	1500	1	3
The Lizard	1010.4	0	SSW	4	c	51	97	8	8	6	–	7-8	9	1500	1	3
Scilly (St. Mary's)	1008.4	-4	SW'S	5	bc	52	92	6	5	3	4	1	2-3	2500	1	3
Guernsey	1012.6	-2	SW'W	3	c	54	97	7	8	3	–	7-8	9+	2500	1	3
Pembroke	1006.7	-8	SW	5	cq	49	97	6	8	4	–	7-8	7-8	800	1	3
Holyhead	1003.6	-8	S'E	5	c	50	92	7	5	–	8	9	10	800	1	3
Chester (Sealand)	1006.0	-8	SSW	3	c/pr	56	65	8	8	7	1	4-6	9	1500	1	*
Manchester	1006.1	-10	SSW	3	c/r	55	75	7	5	7	–	7-8	10	1500	1	*
Spurn Head	1006.9	-6	W	4	pr	55	85	6	8	–	–	10	10	1500	1	2
Catterick	1004.6	-14	SW'S	3	bc	53	75	7	5	4	9	2-3	4-6	1500	1	*
Tynemouth	1003.4	-2	S	3	c	53	85	6	2	3	1	4-6	7-8	2500	1	1
St. Abbs Head	1000.6	0	SW	6	cq	54	75	8	3	6	1	2-3	9	1500	0	4
Leuchars	1000.1	-4	S	4	bc	55	75	7	2	7	6	2-3	2-3	2500	1	*
Renfrew (AbbotsI.)	1000.6	-2	WSW	3	PR	47	92	6	9	7	–	7-8	9+	800	1	*
Eskdalemuir	1002.0	-6	SW'S	7	c	47	85	7	5	–	–	10	10	800	1	*
Point of Ayre	1002.1	-2	SSW	6	c	54	85	7	8	–	2	2-3	7-8	800	1	3
Tiree	995.8	-6	SSE	3	c	50	85	7	5	7	–	4-6	7-8	1500	0	3
Stornoway	995.3	-8	SSW	6	c	51	75	7	9	7	–	7-8	9	2500	1	3
Dalwhinnie	999.4	0	SW	5	c	47	85	8	4	2	–	4-6	10	2500	1	*
Aberdeen	999.1	-12	S'W	3	bc	55	65	6	8	9	–	4-6	4-6	2500	0	1
Wick	996.7	-6	SSW	3	c	51	75	8	5	6	2	4-6	7-8	2500	1	1
Lerwick	998.0	-4	SE	2	c	46	97	7	5	7	–	4-6	7-8	800	1	*
Blacksod Point	995.7	-8	SSW	7	bcjp	51	92	7	3	–	3	4-6	4-6	800	0	5
Malin Head	996.0	-6	S'W	2	bc	56	65	8	2	–	1	4-6	4-6	5700	0	2
Aldergrove	999.3	+10	SW	3	c/pr	49	85	8	9	–	–	9+	9+	800	1	*
Birr Castle	999.8	-4	SSW	3	c/pr	52	92	8	8	7	–	4-6	7-8	1500	1	*
Valentia Obsy.†	999.8	-2	SW'S	6	c	54	85	8	8	–	–	9	9	1500	1	4
Roches Point	1002.1	-6	SW	5	c	51	97	7	5	–	–	9+	9+	1500	1	4

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)	ccm0bc	bcc	cr0rbc	c
Croydon	c⊕c	cbccir0	cr0m0bc	c
S. Farnborough	cbcc	ccd0r0r0	cr0ccr0bc	bcc
Boscombe Down	cm0cid0c	crrirc	c	cir0crr
Calshot (Soton.)	c	cbcid0r0r0	cd0r0r0bc	bcc
Lympne	cm0c	ccpr0	cbccpr0F	Ff
Manston	c⊕	c	cqprbw	bccm0w
Shoeburyness	cm0c	c	cd0b	bwc
Felixstowe	c	cbcc	cir0c	c
Gorleston	cq	cbccq	cpr0qbc	bcc
Mildenhall	cwccz0	czcbcycir0	circb	bbcwc
Cranwell	c	cir0c	cb	bbcw
Birmingham	oir0	oir0rc	c	cbc
Upper Heyford	cm0c	ccr0r0m0c	cbbc	bcc
Ross-on-Wye	od0m0r0o	cope	r0rccbc	bcc
Hartland Point	ddr0r0frc	cbcc	cbc	bccrrr0
Bristol	cd0d0ir	cRr0bc	bcp0bccq	cqrr0
Portland Bill	c	cpr	c	corr
Plymouth	oddr0r0m	cm0c	crd0	r0prcm0
The Lizard	dfrrr	bcc	cbcw	bcw
Scilly (St. Mary's)	oddrr	bccbc	bccbc	cpbcw
Guernsey	cbcc	corrc	cirbc	cir0
Pembroke	rrm0r0r0c	cqm0	cbcq	cprm0
Holyhead	r0r0ir0c	bcc	r0c	cr0r0c
Chester (Sealand)	cr0r0r0Rm0	cr0r0pr0	c	cRRpr
Manchester	cr0Rrr	crrr0m0	cz0bcz0	bcz0cr
Spurn Head	c	cpr0	prbcw	cbcw
Catterick	cm0oir	oir0m0c	cm0bcm0	bcm0cw
Tynemouth	co	oir0c	cbc	bc
St. Abbs Head	cq	cq	rrc	c
Leuchars	cwr0r0c	pr0cjpbc	bcir0c	pr0prcbc
Renfrew (AbbotsI.)	cm0c	intl PRHPR	PRrrRR	cmr0r0r
Eskdalemuir	crrir0	circ	cir	orrd0d0
Point of Ayre	rrc	cbc	c	bcc
Tiree	cd0bc	bcpr0	cpr0d	cpr0
Stornoway	c	c	cbc	bccpr
Dalwhinnie	c	ciR		ciR
Aberdeen	cz0	cz0bc	bcirc	cz0c
Wick	bcc	c	cbc	bc
Lerwick	c	c	c	cw
Blacksod Point	bcq	bcq	bcq	prcq
Malin Head	cpr0bc	cbc	bcc	cbc
Aldergrove	cbc	h0tPRq	prpr0bc	cpr0c
Birr Castle	cpr0c	cpr	cprbc	bcc
Valentia Obsy.†	c	cpr0bcc	cpr0c	cpr0c
Roches Point	oc	bcc	cprc	cprc

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.

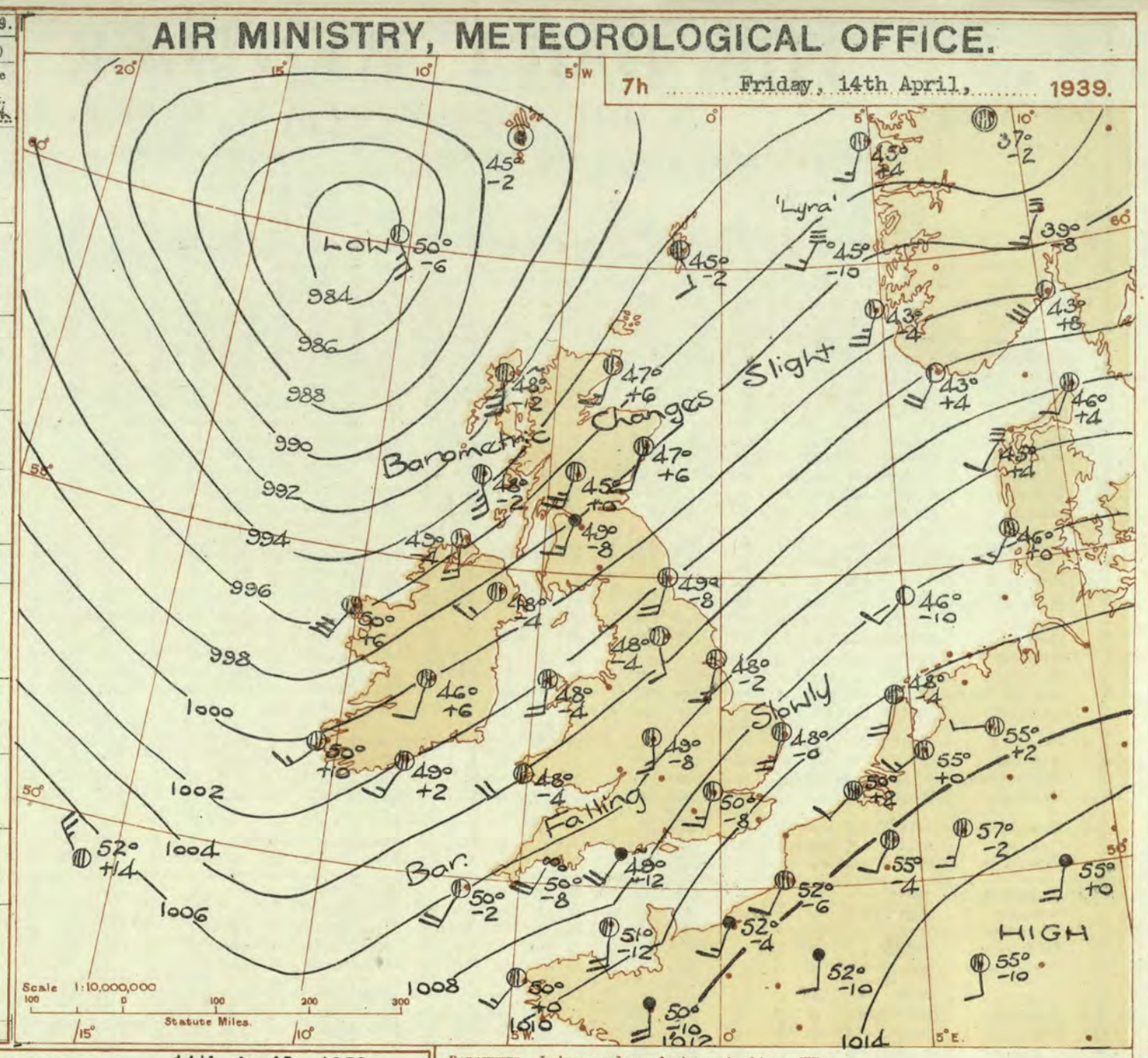
Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 13th April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 9h. 12th to 9h. 13th	Temperature. (°F) Max. 9h.—17h. 13th	Rainfall. (mm.) Night. 17h. 12th to 9h. 13th	Rainfall. (mm.) Day. 9h.—17h. 13th	Sunshine. (Hrs.) Sunrise to 17h. 13th	Sunshine. (Hrs.) Sunrise to Sunset. 12th
1	Tunbridge W.	oc	coc	45	62	—	—	2.5	11.3
	Bournemouth	cbc	bcrc	48	55	—	1	2.0	11.3
	Ventnor ...	obc	bcor	48	58	—	—	3.4	11.2
	Southsea ...	bbc	bcod	49	60	—	Trace	2.0	11.0
	Bognor Regis	cbc	bcco	48	54	—	—	2.4	10.9
	Littlehampton	bccbc	cbcc	48	54	—	—	2.4	11.2
	Worthing ...	c	c	48	54	—	—	1.3	10.9
	Brighton ...	cbcb	c	48	54	—	—	1.4	10.8
	Eastbourne† ...	c	c	48	53	—	—	1.0	10.2
	Hastings† ...	cbcco	c	47	55	—	—	1.5	10.4
	Folkestone ...	bcc	cobo	45	57	—	Trace	3.1	11.5
	Dover ...	bcc	cibo	48	57	—	Trace	3.2	10.7
	Deal	bcoc	coob	50	59	—	Trace	3.7	11.7
	Ramsgate ...	bcc	c	48	57	—	—	3.0	11.1
	Margate ...	bcc	bcc	50	61	—	—	3.3	11.7
2	Southend ...	coc	c	48	63	Trace	—	4.2	11.8
	Clacton-on-Sea	bcc	cbcc	48	60	—	—	4.0	11.7
	Dovercourt ...	bc	bc	49	62	—	—	4.5	11.0
	Lowestoft ...	bcrc	bcb	49	60	—	—	5.8	11.2
	Skegness ...	bccbc	obor	49	62	—	—	1.4	11.2
	Mablethorpe...	oc	cop	48	63	—	Trace	1.0	11.4
	Cleethorpes ...	c	cbcru	50	61	—	Trace	0.2	10.5
3	Leamington S.	o	ocpo	50	60	—	Trace	0.0	11.9
4	Cheltenham†	op	cibo	52	60	—	0.5	0.7	11.8
5	Bath	cir	lrcbc	51	57	—	1	0.4	12.1
	Weymouth ...	pc	dc	48	55	Trace	1	0.0	3.5
	Jersey ...	cbc	bcc	50	60	—	—	2.9	11.1
	Torquay ...	odp	ropcbc	51	56	0.4	1	1.8	8.3
	Falmouth ...	orroc	c	50	55	3	3	1.5	3.7
	Penzance ...	rrcbc	bcc	52	55	4	2	2.7	3.2
	St. Ives ...								
	Bude... ...	r	cbcc	52	53	1	3	1.3	11.2
	Ilfracombe ...	corr	rrbc	52	57	4	15	1.8	11.5
6	Aberystwyth	cprrr	prc	50	56	2	4	0.4	11.1
7	Llandudno ...	cpo	c	52	57	Trace	Trace	0.6	8.7
	Colwyn Bay...	cpc	cbc	52	56	1	0.5	1.2	8.7
	Rhyl	cpro	cbcc	52	58	1	0.2	2.0	10.1
8	Wallasey ...	RR	rcbcc	53	59	1	5	1.8	11.1
	Southport ...	odrrm	rcbcc	51	58	0.1	5	1.8	10.4
	Blackpool ...	orr	orbc	51	57	0.3	4	1.5	10.3
	Morecambe ...	cdr	cdrbc	48	55	0.5	10	0.6	10.7
9	Ilkley... ...	cor	oc	49	56	—	4	0.0	9.5
	Harrogate ...	c	rrbc	50	53	—	4	0.3	10.1
10	Berwick-on-T.	obco	obcc	49	56	2	Trace	2.2	7.3
11	Dunbar ...	bc	bc	51	57	—	--	1.1	5.7
12	Troon... ...	coc	opco	48	53	0.5	Trace	3.3	3.6
	Douglas ...	cirm	cmo	46	49	6	0.3	0.1	0.0

† 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. 14th April, 1939.
1 S.E. England 2 E. England ...	Wind south light, veering southwest moderate later today; dull; rain and hill fog at first; then mainly fair to fine; mild.
3 E. Midlands ... 4 W. Midlands ...	Wind south to southwest veering west later; cloudy and brighter periods; showers in most places today, more local tomorrow; rather mild.
5 S.W. England 6 South Wales ... 7 North Wales ...	Wind southwest to west, moderate or fresh, backing and freshening tomorrow; showers and bright periods; becoming cloudy with rain towards the end of the period; rather mild.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Wind south to southwest, moderate to fresh; frequent showers today with local hail and thunder; brighter periods especially tomorrow; rather mild.
12 S.W. Scotland & Isle of Man.	As 5 - 7.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind south to southwest, fresh to moderate; showery; local thunder and hail; some bright intervals; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Wind westerly fresh to moderate, backing southwest and increasing later; bright periods and showers today with possible local thunder; dull; rain tomorrow; mainly rather mild.

GENERAL INFERENCE.

A depression off northwest Scotland is moving northeast and filling up. A ridge of high pressure will move in from the Atlantic in advance of a new disturbance. Weather will be of a showery character at first with local thunder in the west and north, followed by a finer interval temporarily. Rain will spread to western districts tomorrow and conditions will remain mild.

FURTHER OUTLOOK.

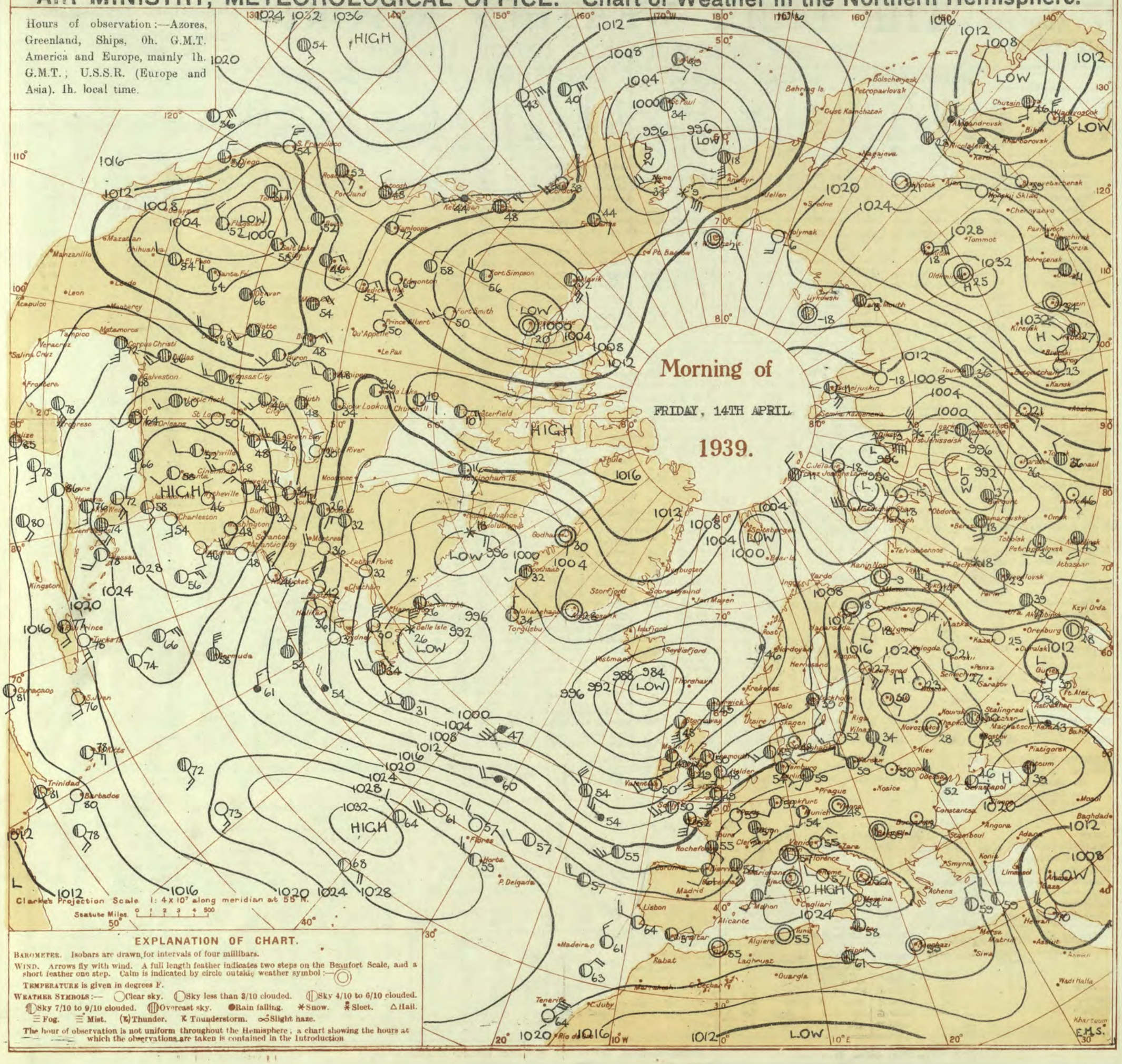
A period of rain in England and Scotland; continuing mild.

Forecasts issued at 1030 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
Friday, 14th April 1939.
No. 28267

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

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	1011·4	+6	S'W	3	bc	49	92	8	5	-	-	4-6	4-6	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1013·3	-2	SW'S	3	F+	48	97	1	-	-	-	10	10	<150
	Manston	154	1011·7	-6	SSE	2	bc	51	85	6	5	-	-	4-6	4-6	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1010·1	-2	SW'S	3	bc	53	75	7	5	-	-	2-3	2-3	2500
	Mildenhall	19	1009·3	-6	S'W	3	b	49	85	7	5	-	-	Tr	Tr	2500
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1006·2	-8	SW	5	bc	51	92	8	4	-	-	4-6	4-6	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1010·4	-10	SW	3	c	49	92	8	5	-	-	10	10	2500
	Plymouth	82	1009·2	-10	SSW	5	Zo	51	97	6	5	-	-	10	10	1500
	The Lizard	240	1008·3	-12	SW'S	5	bc	50	97	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1006·7	-10	SW'S	5	bc	50	97	7	5	-	-	2-3	2-3	2500
	Guernsey	175	1011·5	-10	S'W	2	c	50	92	7	5	3	-	7-8	10	2500
6	Pembroke	142	1005·4	-8	SW	5	bcq	49	97	6	8	-	-	4-6	4-6	1500
7	Holyhead	26	1002·8	-10	S	4	c/r	49	92	7	6	2	-	2-3	10	800
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1006·6	-4	SSW	3	bc	48	92	7	-	2	-	0	2-3	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1003·3	-4	SW	3	bc	50	75	7	8	3	-	2-3	4-6	1500
11	St. Abbs Head	280	1000·1	-16	SW	4	c/r	48	92	8	3	2	-	7-8	9+	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1001·7	-2	SW'W	5	c	50	92	7	8	-	-	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	993·5	-18	S	7	bc	48	85	8	5	-	-	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	995·4	-6	SW	3	bc	47	85	8	5	6	-	2-3	4-6	1500
16	Lerwick	156	995·1	-10	S'W	1	c	45	97	7	5	1	-	4-6	7-8	800
17	Blacksod Point	18	995·8	0	S	6	bc	50	92	7	3	-	-	4-6	4-6	800
18	Malin Head	84	996·1	-4	S	4	c	49	75	7	4	-	-	7-8	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	998·8	-2	SW'W	4	b	50	92	8	8	-	-	1	1	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 14th 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)	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)	1008·8	-8	SSW	3	c	50	85	8	5	-	6	4-6	9	2500	1	*
Croydon	1009·5	-8	S'W	3	c	50	85	8	5	4	5	2-3	9	4000	1	*
S. Farnborough	1008·5	-10	S	3	c	50	85	7	5	-	6	4-6	7-8	2500	1	*
Boscombe Down	1007·7	-10	S'W	4	rr	49	97	6	6	2	-	9	10	1500	1	*
Calshot (Sthmtn.)	1008·7	-16	S'W	4	c	50	92	7	5	1	-	2-3	9+	2500	1	3
Lympne	1011·9	-4	SSW	1	f-	48	97	2	-	-	-	10	10	<150	1	§2
Manston	1010·6	-2	SSW	3	c	49	92	6	-	7	-	0	9+	-	0	*
Shoeburyness	1010·0	-2	S	4	c	50	85	7	5	1	8	Tr	9+	2500	0	*
Felixstowe	1010·2	-6	S'W	4	c	49	92	7	5	7	-	4-6	9+	2500	0	3
Gorleston	1009·3	0	SSW	4	c	48	85	7	-	1	-	0	10	-	0	2
Mildenhall	1008·1	-8	S'W	3	c	50	85	7	5	7	6	1	7-8	2500	1	*
Cranwell	1007·1	-4	SSE	3	bc	48	85	7	5	4	1	1	2-3	2500	1	*
Birmingham	1005·8	-8	S	3	c	49	85	8	5	7	-	4-6	7-8	450	1	*
Upper Heyford	1007·4	-10	S	3	c	49	92	7	5	3	-	9+	9+	800	1	*
Ross-on-Wye	1005·5	-10	S'W	3	pr	51	85	7	9	3	8	7-8	9	1500	1	*
Hartland Point	1004·2	-4	WSW	5	c/r	49	92	7	8	-	-	7-8	7-8	1500	1	3
Bristol	1006·4	-16	S	4	dr	50	92	7	6	7	-	9	10	800	1	*
Portland Bill	1007·3	-12	SW	4	rr	49	85	6	5	-	-	10	10	1500	1	4
Plymouth	1006·3	-8	SW'S	4	Zo	50	97	6	5	-	-	9+	9+	800	1	3
The Lizard	1006·3	-8	SW	4	bc	49	97	8	8	-	-	4-6	4-6	2500	1	2
Scilly (St. Mary's)	1004·9	-2	SW	4	bc	50	97	7	8	6	9	4-6	4-6	1500	1	3
Guernsey	1008·2	-12	S	4	c/r	51	92	7	5	2	-	9	10	2500	1	3
Pembroke	1003·3	-4	WSW	4	c	48	97	7	8	3	-	4-6	7-8	1500	1	3
Holyhead	1001·1	-4	S	4	c/r	48	97	6	5	-	-	9+	9+	450	1	3
Chester (Sealand)	1003·6	-8	SE'S	2	cjp	50	92	6	8	3	-	9	9+	2500	1	*
Manchester	1004·0	-10	S	4	c	50	85	7	8	3	-	7-8	9+	1500	1	*
Spurn Head	1005·9	-2	SSW	3	bc	48	92	7	-	-	5	0	4-6	-	1	3
Catterick	1003·0	-4	S'E	2	c	48	85	7	5	4	-	9	9+	1500	1	*
Tynemouth	1002·1	-8	SSW	4	bc	49	85	6	8	-	-	4-6	4-6	2500	1	1
St. Abbs Head	998·9	0	SW	4	c	48	92	8	3	6	-	4-6	9	1500	0	-3
Leuchars	998·4	0	SW	3	bc	49	85	7	8	7	-	4-6	4-6	4000	1	*
Renfrew (Abbots I.)	998·6	-8	SSW	3	ir	49	85	6	5	-	-	9+	9+	800	1	*
Eskdalemuir	999·7	-2	SSW	5	df	45	97	3	-	2	-	10	10	<150	1	*
Point of Ayre	999·8	-4	SW'W	5	c	49	92	7	5	4	6	4-6	7-8	1500	1	3
Tiree	993·7	-2	SSE	5	c	48	85	7	8	-	-	7-8	7-8	1500	1	3
Stornoway	991·8	-12	S	7	c	48	85	7	5	7	6	4-6	9+	2500	1	4
Dalwhinnie	996·0	0	SSW	5	c	45	85	8	4	5	-	4-6	7-8	2500	1	*
Aberdeen	997·8	+6	S'W	2	c	47	85	7	5	7	-	Tr	7-8	1500	1	1
Wick	994·5	+6	SSW	3	bc	47	85	8	7	4	6	1	4-6	2500	1	1
Lerwick	994·3	-2	S'E	2	c	45	97	8	5	3	-	4-6	7-8	1500	0	*
Blacksod Point	996·1	+6	SW	6	c	50	92	7	9	-	-	10	10	800	1	3
Malin Head	995·0	-4	S	4	bc/pr	49	85	8	5	5	1	2-3	4-6	5700	0	2
Aldergrove	997·8	-4	SW'W	3	c/pr	48	92	8	9	-	-	9+	9+	1500	1	*
Birr Castle	999·9	+6	SSW	2	c	46	97	8	5	4	-	7-8	7-8	2500	1	*
Valentia Obsy. †	1000·6	+10	SW'W	3	c/pr	50	92	7	8	-	-	9+	9+	1500	1	6
Roches Point	1001·5	+2	SW	3	c	49	97	8	5	-	5	7-8	9	1500	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 13th Hrs. (36)
London (Kew)	60	49	44	–	0·6	3·4
Croydon	63	48	45	Tr	1	3·7
S. Farnborough	62	46	44	0.5	0·1	3·3
Boscombe Down	59	48	45	0.6	0·2	0·2
Calshot (Sthmtn.)	59	49	48	0.4	0·6	2·0
Lympne	57	46	43	Tr	Tr	3·0
Manston	62	47	44	Tr	Tr	3·4
Shoeburyness	65	49	42	–	Tr	3·8
Felixstowe	57	48	46	–	0·1	4·8
Gorleston	62	48	45	–	Tr	5·7
Mildenhall	66	47		–	Tr	1·9
Cranwell	62	43	41	Tr	-	0·3
Birmingham	55	46	43	2	–	0·3
Upper Heyford	60	45	40	0.1	–	*
Ross-on-Wye	56	49	44	2	0·4	0·4
Hartland Point	53	49	47	8	1	1·3
Bristol	55	49	45	2	0·3	1·5
Portland Bill	51	47	*	1	1	*
Plymouth	53	49	48	4	1	0·3
The Lizard	53	49	*	4	–	1·5
Scilly (St. Mary's)	55	49	*	3	1	7·7
Guernsey	61	49	46	3	0·3	3·4
Pembroke	50	46	*	5	4	0·2
Holyhead	53	47	46	1	0·4	0·6
Chester (Sealand)	59	48	45	3	2	0·7
Manchester	58	48	43	9	0·4	0·4
Spurn Head	59	45	*	Tr	1	0·1
Catterick	57	45	38	3	Tr	1·6
Tynemouth	57	47	43	2	–	0·0
St. Abbs Head	57	46	*	–	1	*
Leuchars	57	46	41	0.1	1	0·7
Renfrew (Abbots I.)	59	47	46	4	13	2·4
Eskdalemuir	50	44	44	6	4	0·0
Point of Ayre	58	47	*	1	Tr	4·1
Tiree	56	46	44	0.2	0·6	5·2
Stornoway	54	47	*	–	Tr	8·8
Dalwhinnie	55	42	37	2	2	3·5
Aberdeen	57	46	41	–	1	1·2
Wick	56	44	*	–	–	*
Lerwick	54	44	*	–	–	3·3
Blacksod Point	58	48	*	Tr	0·2	*
Malin Head	58	45	*	Tr	Tr	6·2
Aldergrove	61	46	41	9	1	3·4
Birr Castle	61	45	36	1	0·1	4·7
Valentia Obsy. †	58	48	44	Tr	0·2	4·5
Roches Point	54	48	*	–	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.	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	ccmbc	bcc	crobcc	60	49	44	–	0·6	3·4	•	•	8
Croydon	217	c⊕c	cbccir	crorm c	63	48	45	Tr	1	3·7	•	•	8
Greenwich (Royal Observatory)	149	c	cbcc	crrbc	65	47	41	–	1	3·0	57	79	7
City (Sunhill Row)	—	•	•	•	•	•	•	•	•	*	•	•	•
Westminster (St. James' Park)	27	•	•	•	64	50	44	/		2·6	57	79	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	65	49	45	–	Tr	2·4	61	79	•
Camden Square	110	c	bc	•	65	49	44	0·3	0·3	*	•	77	•
Kensington	89	c	bc	•	65	49	43	–	0·5	2·9	At 18h 73	81	•
Hampstead Observatory	450	bc	or	c	62	47	42	–	0·6	3·4	•	83	•

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	20-21h 13th	<0·1	1-6h. 14th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 13th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 14th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1014·2	SSW	3	c	72	1012·9	S	2	ro	52	75	*	–	Tr
Brussels	1014·6	SSW	1	c	66	1012·2	SW	2	o	55	73	52	–	2
Berlin	1014·9	WSW	5	pr	68	1012·7	SE	3	c	59	77	52	Tr	5
Zurich	1019·6	S	1	bc	70	1019·7	SSE	1	b	55	77	54	–	–
Rome	1024·7	NW	2	b	61	1024·7	–	0	c	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	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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 15th April, 1939

No. 28268.

OBSERVATIONS at 13h. G.M.T. 14th 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)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1006.0	−10	SW'S	3	cjp	53	85	8	9	–	–	10	10	1500
.	Croydon	1007.1	−10	SW'S	4	ido	55	92	7	5	–	–	9	9+	1500
	S. Farnborough	1006.2	−10	SW'S	4	c/d	55	85	8	7	7	6	7-8	9+	2500
	Boscombe Down	1005.4	−14	SW	3	c	56	65	8	8	7	1	4-6	7-8	2500
	Calshot (Soton.)	1007.1	−2	SW'S	4	c	55	85	8	8	7	–	2-3	9+	800
	Lympne ...	1003.1	−16	SSW	4	c/r	50	92	6	6	7	–	4-6	10	220
	Manston ...	1007.7	−14	S	4	ico	53	85	6	5	2	–	7-8	10	800
2	Shoeburyness ...	1007.1	−14	S	4	c/pr	55	75	8	8	1	8	4-6	9+	2500
	Felixstowe ...	1007.3	−18	S'W	4	c	53	85	7	7	7	8	4-6	9	1500
	Gorleston ...	1006.4	−16	S'W	5	c	56	65	6	8	2	–	4-6	10	2500
	Mildenhall ...	1005.0	−18	SSW	4	c	54	75	7	5	2	–	4-6	10	2500
	Cranwell ...	1003.4	−18	SW	3	pr	56	75	7	8	7	–	7-8	9	2500
3	Birmingham ...	1004.0	−6	SSW	3	c	55	75	8	8	–	–	7-8	7-8	2500
	Upper Heyford	1005.1	−14	WSW	3	c	55	75	9	6	4	–	9	9+	1500
4	Ross-on-Wye ...	1004.2	−8	WSW	4	bc	57	65	8	2	–	1	4-6	4-6	4000
5	Hartland Point	1004.8	0	SW	5	bc	50	92	8	2	–	–	2-3	2-3	1500
	Bristol	1005.1	−6	W'S	4	bc/pr	55	85	8	8	3	1	4-6	4-6	2500
	Portland Bill ...	1006.6	−2	SW	4	c	50	85	7	5	4	–	4-6	7-8	2500
	Plymouth ...	1006.1	−2	SSW	4	bc	54	85	7	3	–	–	4-6	4-6	1500
	The Lizard ...	1006.4	+2	SW'S	3	bc	55	92	7	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1006.5	+8	SW'W	3	bc	56	92	8	8	4	4	4-6	4-6	1500
	Guernsey ...	1007.6	−6	WSW	3	c	56	85	7	6	3	–	4-6	7-8	2500
6	Pembroke ...	1004.4	0	W'S	4	bc	51	92	7	8	–	–	2-3	2-3	1500
7	Holyhead ...	1001.2	−4	S	5	c	52	85	7	5	–	–	9+	9+	450
	Chester (Sealand)	1002.4	−2	SW'W	3	bc	50	55	8	8	–	–	4-6	4-6	2500
8	Manchester ...	1002.0	−8	WSW	4	pr	58	65	8	8	–	–	7-8	7-8	2500
10	Spurn Head ...	1002.3	−16	SSW	5	c	57	65	7	8	4	–	7-8	9+	4000
	Catterick ...	1000.5	−10	SW'W	4	c	56	65	8	8	–	–	9+	9+	2500
	Tynemouth ...	999.7	−8	SW	5	c	57	65	7	2	–	–	7-8	7-8	2500
11	St. Abbs Head...	997.1	−10	SW	6	c/pr	54	65	8	3	6	–	4-6	7-8	1500
	Leuchars ...	996.0	−14	SSW	4	pr	53	85	7	8	6	3	7-8	9	1500
12	Renfrew (Abbotsl.)	996.4	−14	SW	4	bc/r	56	65	7	2	–	8	2-3	4-6	2500
	Eskdalemuir ...	997.9	−10	S'W	5	c/r	49	92	7	6	–	–	10	10	800
	Point of Ayre ...	999.4	−2	WSW	5	bc	59	97	8	8	–	9	4-6	4-6	2500
13A	Tiree	992.4	−4	SSW	5	c	51	85	7	8	–	–	7-8	7-8	1500
13B	Stornoway ...	991.5	0	SSW	6	pr	46	92	7	8	7	–	9	10	1500
15	Dalwhinnie ...	994.8	−10	SW	5	c	52	75	8	4	5	2	4-6	7-8	4000
	Aberdeen ...	995.6	−16	S	3	c	51	65	6	2	9	1	2-3	7-8	1500
	Wick	993.3	−12	S	4	c	52	75	8	5	6	4	4-6	7-8	2500
16	Lerwick... ...	995.1	−10	S	4	c	48	85	8	5	7	1	4-6	7-8	1500
17	Blacksod Point...	999.2	+22	W	5	bcq	54	86	7	3	6	–	2-3	4-6	800
18	Malin Head ...	994.7	−6	SW	5	cjp	52	75	6	9	–	–	9+	9+	4000
	Aldergrove ...	997.9	0	W'S	3	c/pr	47	92	9	3	–	–	9+	9+	1500
19	Birr Castle ...	1001.1	+6	WSW	4	c	53	65	8	3	8	4	2-3	7-8	1500
20	Valentia Obsy.†	1005.7	+26	WNW	5	c	52	65	8	8	–	–	9+	9+	4000
	Roches Point ...	1003.5	+12	WNW	4	c/pr	52	92	8	3	–	3	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 14th 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)	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)	1005.8	+6	W	3	c/pr	55	75	8	9	9	–	7-8	7-8	1500	1	*
Croydon	1005.8	+2	SSW	4	c	54	75	7	3	6	3	4-6	7-8	2500	1	*
S. Farnborough	1005.9	+2	W'S	3	bc	55	65	8	8	4	8	4-6	4-6	2500	1	*
Boscombe Down	1006.2	+6	W'S	3	pr	51	85	7	8	4	1	4-6	9	1500	1	*
Calshot (Soton.)	1007.2	−2	SW'S	3	bc	52	92	7	7	–	9	1	2-3	800	1	3
Lympne	1008.3	−4	SW'S	4	m	48	97	4	5	–	–	9+	9+	<150	0	§
Manston	1006.1	−6	SSW	4	c	52	85	7	5	3	–	2-3	9	1500	0	*
Shoeburyness	1005.9	−4	SSW	4	c	54	75	8	3	7	8	1	7-8	2500	1	*
Felixstowe	1005.2	−10	SW'S	4	bc	53	85	7	1	4	6	Tr	4-6	4000	0	3
Gorleston	1005.0	−8	S'W	3	c/pr	55	75	6	5	5	–	4-6	7-8	2500	1	2
Mildenhall	1003.3	−8	SW'W	3	bc	56	65	8	3	3	4	4-6	4-6	4000	0	*
Cranwell	1003.0	−2	SW	3	pr	52	75	7	8	–	–	9	9	2500	1	*
Birmingham	1004.3	+4	WSW	2	pr	51	85	8	8	–	–	7-8	7-8	1500	1	*
Upper Heyford	1005.1	0	WSW	3	b	54	75	8	2	6	–	Tr	1	2500	1	*
Ross-on-Wye	1004.8	+6	W'S	4	bc	54	65	8	8	–	–	2-3	2-3	4000	1	*
Hartland Point	1006.8	+10	WSW	4	c	50	97	7	8	6	–	4-6	7-8	800	0	3
Bristol	1006.1	+6	W	4	bc	53	85	8	8	–	–	2-3	2-3	2500	1	*
Portland Bill	1007.2	+10	WSW	4	c	50	85	7	5	4	–	4-6	7-8	2500	1	4
Plymouth	1007.7	+14	W'S	2	bc/pr	52	92	7	8	3	–	4-6	4-6	2500	1	1
The Lizard	1008.4	+16	W	4	bc	52	92	8	8	6	–	2-3	4-6	2500	1	2
Scilly (St. Mary's)	1009.3	+22	NW'W	5	b	52	92	8	2	4	3	Tr	1	1500	1	3
Guernsey	1008.3	+6	W	3	bc	54	85	7	7	–	–	4-6	4-6	2500	1	3
Pembroke	1006.7	+6	W'S	4	c	48	92	7	8	6	–	4-6	7-8	1500	1	3
Holyhead	1002.2	+14	SSW	4	c/pr	50	85	8	8	4	–	4-6	7-8	2500	1	2
Chester (Sealand)	1002.9	+8	WSW	4	c	55	65	8	8	6	1	7-8	9	2500	1	*
Manchester	1002.3	+8	WSW	4	c	53	65	7	8	–	–	7-8	7-8	4000	1	*
Spurn Head	1001.5	−4	SW	3	c	55	65	7	8	8	–	4-6	7-8	2500	1	2
Catterick	1000.5	+6	SW'W	4	bc	52	75	8	8	3	9	4-6	4-6	1500	1	*
Tynemouth	999.1	+2	SW	4	c	56	58	6	2	6	1	4-6	7-8	1500	1	1
St. Abbs Head	996.2	+6	SW	5	[illegible]	50	75	6	8	3	1	4-6	9	1500	0	3
Leuchars	995.2	0	SW	3	c	50	85	7	8	6	–	7-8	7-8	1500	1	*
Renfrew (Abbotsl.)	996.9	+4	W'S	4	c/pr	50	85	7	9	6	–	7-8	9+	1500	1	*
Eskdalemuir	996.9	+2	SW	6	ir	46	85	7	6	3	–	9	9+	800	1	*
Point of Ayre	999.7	+2	W'S	5	bc	52	85	8	8	4	6	2-3	4-6	2500	1	3
Tiree	994.5	+20	WSW	4	bc	49	85	7	8	3	9	4-6	4-6	1500	0	3
Stornoway	990.5	−2	S	5	c/pr	47	85	7	8	–	–	9	9	2500	1	3
Dalwhinnie	995.2	−8	W	3	c	43	85	8	4	2	–	4-6	9+	2500	1	*
Aberdeen	994.0	−10	SW	3	c	52	55	7	3	9	–	Tr	9	1500	0	1
Wick	991.5	−6	SW	3	c	49	75	9	5	7	–	7-8	9+	1500	1	1
Lerwick	993.4	+4	S	4	c	47	85	8	7	3	–	4-6	7-8	2500	0	*
Blacksod Point	1004.7	+30	W	5	cq	50	92	7	9	–	–	10	10	450	1	3
Malin Head	998.3	+20	W'S	5	c/pr	50	85	7	2	–	5	4-6	7-8	2500	0	3
Aldergrove	999.5	+14	WNW	4	c/pr	52	75	9	3	–	3	4-6	7-8	1500	2	*
Birr Castle	1004.7	+22	WSW	4	pr	51	85	8	9	7	–	7-8	9	800	1	*
Valentia Obsy.†	1010.1	+26	NW'W	5	bc	52	65	8	8	7	–	2-3	2-3	4000	1	4
Roches Point	1007.4	+26	NW	5	bc	53	75	8	3	6	–	4-6	4-6	2500	1	3

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)	ccproc	cbccprc	cprocbw	bbccw
Croydon	cerorodo	cidopro	promocb	bccw
S. Farnborough	cidododc	cbc	bcPRbc	bccbc
Boscombe Down	crridoc	ccpr	cprbbc	bbcw
Calshot (Soton.)	cmoiroc	cbccb	cbcb	b
Lympne	fcmoiro	cprofrodo	cFb,cm	cbcmobw
Manston	cmoiro ido	ciro	cbbcw	bmobw
Shoeburyness	cpoc	cprbc	bccpb	bwmo
Felixstowe	c	cprobc	bccb	bw
Gorleston	cq	cproq	cbcb	bbc
Mildenhall	ciro	cprocbc	b,cbcw	b,cbcw
Cranwell	bcciro	cpropr	cprobcb	bbc
Birmingham	cPRbc	bcpr	prbc	bcc
Upper Heyford	cproirc	cPRcb	blb	bbcc
Ross-on-Wye	ccpbc	bcycbc	bbcb	b
Hartland Point	cpbc	bccbcc	cbc	bc
Bristol	dorocprbc	bccPRbc	bbccb	bbcbw
Portland Bill	orc	c	bcb	bbc
Plymouth	cmobc	bccpr	bcb	bw
The Lizard	cbc	bc	bcw	bcw
Scilly (St. Mary's)	bc	bcb	bw	bbcwc
Guernsey	circ	cbc	bcbw	bcwb
Pembroke	cproqmobc	bcc	bcbq	bqbc
Holyhead	cmobcc	c,bcpr	bcprb,c	cbcc
Chester (Sealand)	cmojpprbc	bccy	cbcpro	cbc
Manchester	czocpr	bc,c	cprobcm	bcpromo
Spurn Head	bcc	prtc	lbcb	bbc
Catterick	iroproc	cbc	bcprob	bbc
Tynemouth	bccpoc	c	cbcr	bc
St. Abbs Head	pocq	prqc	bcq	bccq
Leuchars	cprPRpro	projpproc	probcb	bbccw
Renfrew (Abbotsl.)	cmoirobc	bcpro	cPRpro	cpro
Eskdalemuir	offcir	cir	rrcpr	cprc
Point of Ayre	cbc	cprbc	bc	cprc
Tiree	odRc	bccpr	bccpr	c
Stornoway	cPRpr	cpr	cro	c
Dalwhinnie	ciR	ciR	•	ciR
Aberdeen	cprc	czocy	cybcb	bbc
Wick	bcc	cproc	cbcc	cproc
Lerwick	c	cbcc	cir	cir
Blacksod Point	prcq	prcq	bcq	procq
Malin Head	cprbcc	cprbcc	cprcproc	cprcmc
Aldergrove	proPRc	PRhopro	bccpro	c
Birr Castle	cproc	cpro	cprob	bbcc
Valentia Obsy.†	probcc	cprobc	proc	ciro
Roches Point	cprq	cprbc	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/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 Ac (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.

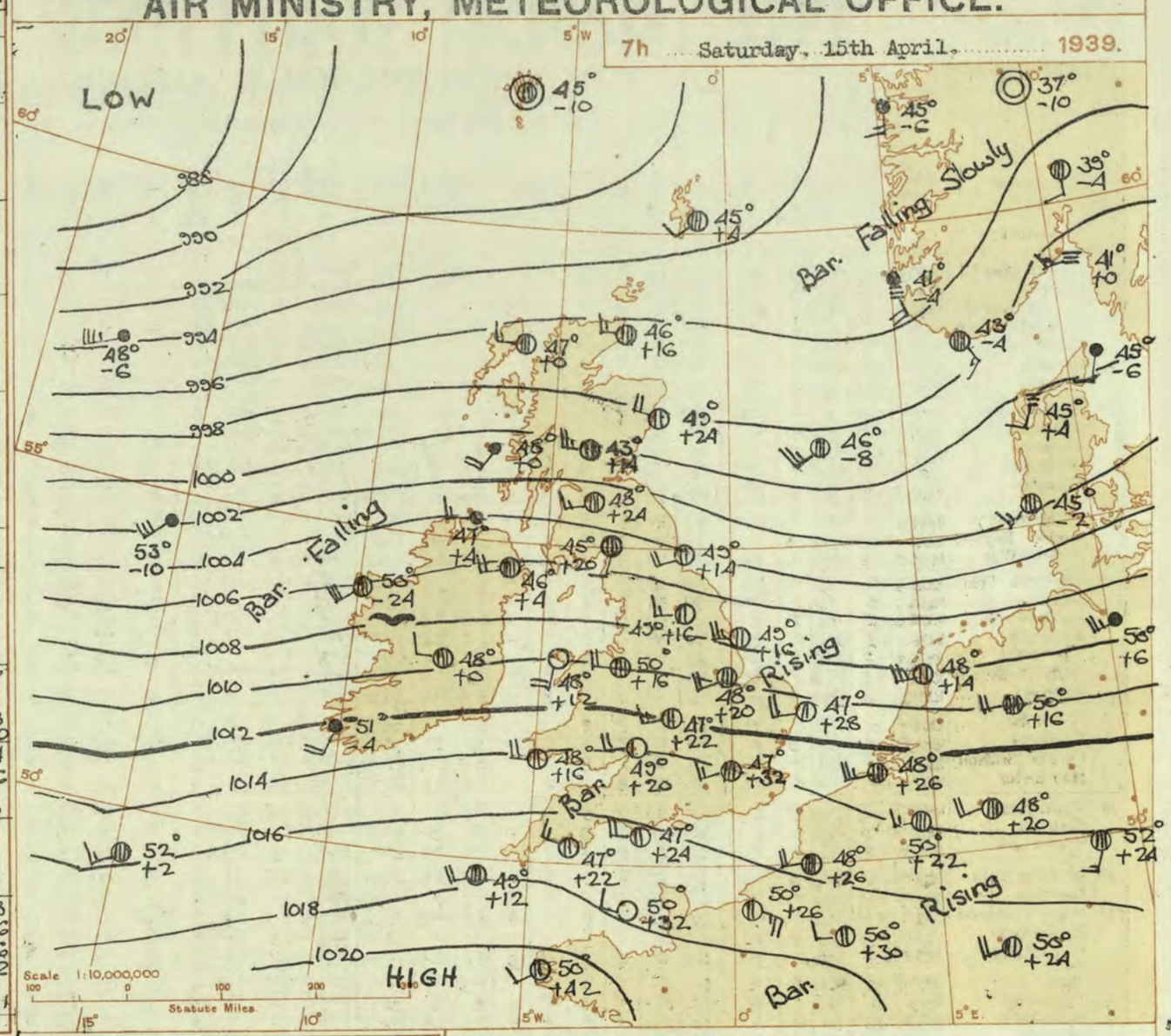
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 14th April 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.	ocoto	oroc	48	56	0.3	1	1.4	2.6
	Bournemouth	ocbc	bcb	48	57	Trace	—	4.0	2.0
	Ventnor ...	rcod	cbco	47	52	3	1	1.7	3.4
	Southsea ...	odoc	cb	49	57	1	1	4.7	2.0
	Bognor Regis	bccpr	bcb	48	53	4	2	3.0	2.4
	Littlehampton	crc	cpcbc	49	58	3	0.6	3.4	2.4
	Worthing ...	cp	cpbcb	49	53	2	0.3	2.0	1.3
	Brighton ...	crr	rcbc	48	52	1	2	1.1	1.4
	Eastbourne† ...	o	orboc	48	53	0.3	0.1	0.0	1.0
	Hastings† ...	o	odooc	47	54	Trace	Trace	0.0	1.5
	Folkestone ...	oc	orbo	48	53	—	Trace	0.2	3.1
	Dover ...	oirbo	ocirb	48	53	Trace	Trace	0.4	3.2
	Deal	o	dooco	48	56	—	Trace	0.4	3.7
	Ramsgate ...	cod	c	48	55	—	Trace	0.5	3.0
	Margate ...	c	c	48	57	—	—	0.5	3.3
2	Southend ...	c	cpbc	46	56	—	0.5	1.5	4.2
	Clacton-on-Sea	c	cpbc	48	54	Trace	1	0.5	4.0
	Dovercourt ...	bcc	bcv	48	55	—	—	1.5	4.6
	Lowestoft ...	bcc	bccp	47	56	Trace	0.1	1.9	6.2
	Skegness ...	bcco	orobc	45	62	Trace	0.5	5.8	1.4
	Mablethorpe...	bco	obc	44	60	—	—	6.2	1.0
	Cleethorpes ...	bcc	cirbc	45	60	1	Trace	6.7	0.2
3	Leamington S.	cpc	bcpc	47	61	0.2	Trace	3.1	0.0
4	Cheltenham†	cbc	bccbc	47	61	Trace	—	6.2	0.7
5	Bath	cpbc	pcbc	50	56	0.3	2	1.9	0.8
	Weymouth ...	c	b	49	55	2	—	5.2	0.0
	Jersey ...	bcrc	bcpc	50	56	0.5	6	2.5	2.9
	Torquay ...	b	bcv	50	58	2	—	6.8	1.8
	Falmouth ...	cpcbc	b	49	58	—	Trace	9.5	2.5
	Penzance ...	cbc	bc	48	59	3	—	9.5	2.7
	St. Ives ...								
	Bude... ...	bcb	bbcc	50	55	1	—	8.8	1.3
	Ilfracombe ...	cpbc	bcb	50	56	1	—	7.6	2.0
6	Aberystwyth	prcbc	bcc	48	54	2	—	6.9	0.4
7	Llandudno ...	bc	bcp	50	58	2	0.3	6.1	0.6
	Colwyn Bay...	bcb	bcpbc	49	58	2	0.3	5.0	1.2
	Rhyl	bccd	cbcc	49	57	3	Trace	4.2	2.0
8	Wallasey ...	Pbc	pobcc	49	59	3	Trace	5.6	1.8
	Southport ...	Pcbc	pbbcc	48	58	4	1	4.8	1.8
	Blackpool ...	rcbc	bbccp	49	57	3	0.5	4.3	1.5
	Morecambe ...	cdr	bcc	48	54	6	0.3	4.9	0.6
9	Ilkley... ...	cpc	bc	47	58	0.1	1	5.0	0.3
	Harrogate ...	bcc	bbc	47	59	Trace	—	6.5	0.6
10	Berwick-on-T.	crbbc	bcrbc	48	56	Trace	0.3	6.0	2.6
11	Dunbar ...	bc	bcprb	47	58	—	3	5.7	2.2
12	Troon... ...								
	Douglas ...	CPR	bc	46	53	1	4	4.6	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. 15th April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate southwest wind; fair at first, occasional light rain later; local fog on south coast; mild.
5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate to fresh southwest wind; occasional rain or drizzle later today, followed by bright intervals tomorrow; mild.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh southwest wind, veering west, strong locally on coasts; rain at first, bright intervals and showers later; 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	Fresh southwest wind, strong on coasts, veering west; rain at first, showers later, but also bright intervals; becoming somewhat colder.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	As 7 - 11.

GENERAL INFERENCE.

A depression south of Iceland and an associated trough west of Ireland are moving east. Rain will spread eastwards across the British Isles followed by bright intervals and showers.

FURTHER OUTLOOK.

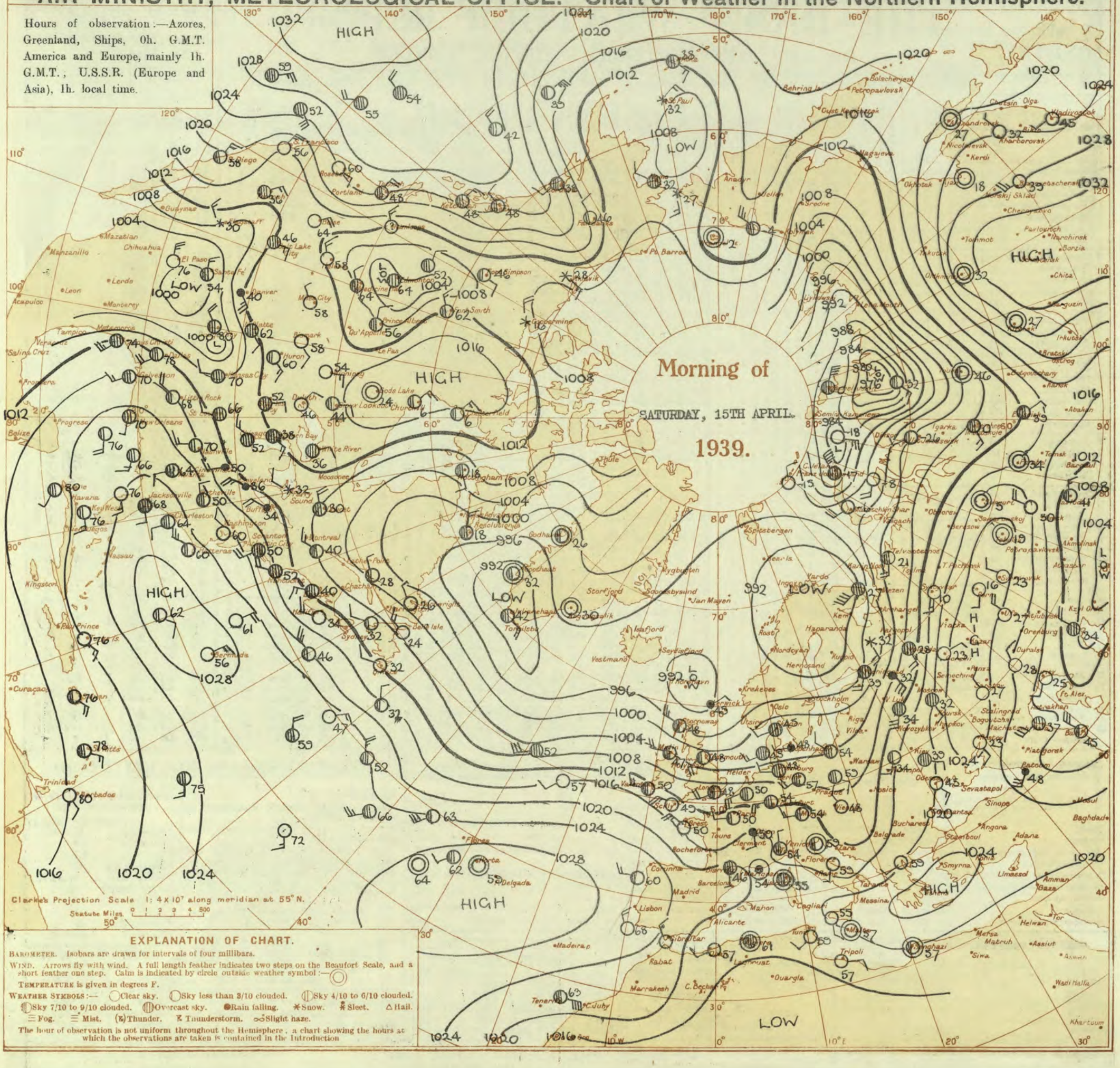
Rather unsettled but bright intervals.

Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G 465 3870 & 8109 D 4626 Gp 948 35400 4/39.

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

Saturday, 15th April 1939.
No. 28268.

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

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	1009.7	+10	WSW	4	c	48	85	8	-	5	-	0	9+	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1010.9	+10	WSW	3	z°	46	97	6	5	-	-	7-8	7-8	450
	Manston	154	1009.3	+10	SW'S	3	b	45	92	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1006.4	+4	SW'S	3	b	45	85	8	-	-	-	0	0	-
	Mildenhall	19	1007.3	+14	SW'W	3	bc	48	85	7	5	-	-	2-3	2-3	7200
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1012.5	+22	WNW	3	bc	48	85	8	5	-	-	4-6	4-6	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1011.2	+14	W	3	b	48	85	8	-	-	-	0	0	-
	Plymouth	82	1013.5	+22	WNW	3	b	49	85	8	-	-	-	0	0	-
	The Lizard	240	1015.0	+24	WNW	4	bc	48	92	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1015.7	+26	NW'W	5	b	49	92	8	-	-	-	0	0	-
	Guernsey	175	1013.4	+22	W'N	2	bc	49	97	7	-	1	-	0	2-3	-
6	Pembroke	142	1011.6	+12	WNW	5	bq	48	85	7	5	-	-	Tr	Tr	1500
7	Holyhead	26	1007.6	+26	SW'W	5	c	48	85	7	8	-	-	7-8	7-8	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1004.8	+6	WSW	3	b	47	85	7	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1000.7	+6	SW	4	bc	48	75	7	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	997.6	0	W	7	bcq	48	75	9	5	4	9	2-3	4-6	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1004.3	+18	W'N	5	bc	47	92	8	5	-	-	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	995.0	+32	WNW	5	c	48	92	7	8	-	-	7-8	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	992.1	+4	SW	3	c	45	92	8	5	7	-	7-8	9+	1500
16	Lerwick	156	993.5	0	E'N	1	ir	45	97	7	8	2	-	7-8	10	800
17	Blacksod Point	18	1008.4	+12	W	5	bc	49	92	7	3	-	-	4-6	4-6	1500
18	Malin Head	84	1004.0	+18	W	4	Spr	47	85	7	6	4	-	4-6	7-8	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013.2	+10	W	3	c	50	92	8	5	-	-	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 15th 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)	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)	1014.0	+28	WSW	2	c	49	85	7	5	3	-	9	9+	2500	1	*
Croydon	1014.4	+32	WSW	3	c	47	85	7	5	3	-	4-6	9	4000	1	*
S. Farnborough	1014.3	+26	W'S	3	c	47	85	7	5	-	-	7-8	7-8	4000	1	*
Boscombe Down	1015.2	+26	W'S	3	bc	46	92	7	5	7	-	1	4-6	2500	1	*
Calshot (Sthmtn.)	1014.8	+28	W'S	3	b	47	85	8	5	-	1	Tr	Tr	2500	1	1
Lympne	1014.5	+26	WNW	3	bc	45	92	7	-	9	4	0	4-6	-	1	§1
Manston	1012.9	+24	WSW	3	b	47	92	7	-	4	4	0	1	-	0	*
Shoeburyness	1013.1	+30	W'S	3	b	49	85	6	-	4	-	0	Tr	-	1	*
Felixstowe	1011.9	+24	W	4	bc	47	85	7	-	3	4	0	2-3	-	0	3
Gorleston	1011.3	+28	W'S	4	bc	47	75	7	-	7	-	0	4-6	-	0	2
Mildenhall	1011.0	+2	SW'W	4	c	48	85	8	5	-	-	9	9	5700	1	*
Cranwell	1009.9	+20	SW'W	4	c	48	85	7	5	-	-	7-8	7-8	2500	1	*
Birmingham	1012.0	+22	WSW	3	bc	47	75	8	5	-	-	2-3	2-3	2500	1	*
Upper Heyford	1013.2	+36	W'S	3	c	47	85	8	7	-	-	9+	9+	4000	1	*
Ross-on-Wye	1013.6	+20	W'S	4	b	49	65	8	1	4	1	Tr	1	4000	1	*
Hartland Point	1015.8	+16	WNW	4	bc	48	92	7	7	1	1	2-3	4-6	1500	0	3
Bristol	1015.0	+30	W	4	bc	47	85	8	7	-	1	1	2-3	2500	1	*
Portland Bill	1016.2	+24	W	4	bc	47	85	8	1	-	-	4-6	4-6	2500	1	3
Plymouth	1017.5	+22	WNW	3	bc	47	92	7	2	4	9	Tr	2-3	1500	1	2
The Lizard	1018.0	+18	W	4	bc	49	92	8	4	4	-	2-3	4-6	2500	1	3
Scilly (St. Mary's)	1017.9	+12	WSW	4	c	49	97	8	5	4	4	2-3	7-8	2500	1	3
Guernsey	1016.9	+32	WNW	2	b	50	85	7	-	-	-	0	0	-	1	2
Pembroke	1014.7	+16	W	4	bc	48	85	7	5	4	1	2-3	4-6	2500	1	3
Holyhead	1010.7	+12	SSW	4	c	48	85	8	5	7	8	2-3	9	2500	1	2
Chester (Sealand)	1010.6	+16	W	4	c	50	65	8	8	-	-	9	9	2500	0	*
Manchester	1009.6	+22	W	5	bc	48	75	7	5	3	2	2-3	4-6	5700	1	*
Spurn Head	1007.5	+16	W	5	bc	49	85	6	5	8	-	2-3	4-6	4000	0	3
Catterick	1006.1	+16	W	3	bc	49	85	8	5	5	8	4-6	4-6	2500	1	*
Tynemouth	1003.2	+14	WSW	4	bc	49	75	7	2	-	-	2-3	2-3	2500	0	2
St. Abbs Head	1000.2	+26	W	7	cq	48	65	8	5	4	8	2-3	7-8	1500	0	4
Leuchars	1000.3	+24	SW	6	c	49	75	8	5	7	-	2-3	9+	1500	1	*
Renfrew (Abbots I.)	1003.7	+24	WSW	3	Spr	48	85	7	8	-	-	10	10	1500	1	*
Eskdalemuir	1004.7	+20	S'W	2	c	45	85	7	5	-	-	10	10	1500	1	*
Point of Ayre	1007.6	+14	W'N	5	c	47	92	8	5	2	-	7-8	10	1500	1	3
Tiree	1001.6	0	SW'S	4	d°d°	48	92	7	5	-	-	10	10	1500	1	3
Stornoway	996.8	0	W	3	c	47	85	7	8	-	-	7-8	7-8	2500	1	3
Dalwhinnie	1000.5	+14	W	5	c	43	85	7	6	2	-	4-6	10	2500	1	*
Aberdeen	998.0	+24	WNW	4	bc	49	65	7	5	4	8	2-3	4-6	2500	1	1
Wick	996.1	+16	W	3	c	46	97	8	6	7	-	7-8	10	1500	1	1
Lerwick	993.7	+4	SW	2	c	45	92	8	8	7	-	4-6	7-8	800	1	*
Blacksod Point	1005.8	-24	SW	6	c	50	97	7	8	-	-	10	10	800	1	4
Malin Head	1004.7	-4	W'S	3	rr	47	92	6	9	-	-	9+	9+	2500	0	3
Aldergrove	1006.9	+4	W'S	4	c	46	92	8	5	-	-	10	10	1500	1	*
Birr Castle	1010.1	0	W	2	c	48	92	8	5	1	-	7-8	10	2500	1	*
Valentia Obsy. †	1013.0	-4	SSW	4	ir°	51	97	6	5	-	-	10	10	800	1	3
Roches Point	1014.0	+2	W'S	3	c	50	92	8	6	7	-	7-8	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 14th Hrs. (36)
London (Kew)	59	45	40	0.3	Tr	2.7
Croydon	58	45	42	0.4	1	2.2
S. Farnborough	58	43	40	0.4	0.4	5.0
Boscombe Down	58	43	35	2	0.1	3.5
Calshot (Sthmtn.)	57	44	41	0.2	-	6.0
Lympne	53	43	40	0.2	-	0.0
Manston	56	42	39	Tr	-	1.0
Shoeburyness	56	45	41	0.3	Tr	1.3
Felixstowe	55	45	43	Tr	-	2.3
Gorleston	57	45	43	Tr	-	2.1
Mildenhall	59	42	39	0.2	Tr	4.1
Cranwell	60	44	42	0.6	1	3.9
Birmingham	59	45	41	3	1	5.1
Upper Heyford	58	41	34	3	-	*
Ross-on-Wye	60	47	43	0.5	-	5.4
Hartland Point	51	47	46	Tr	-	8.5
Bristol	57	45	41	2	-	4.6
Portland Bill	51	46	*	—	—	*
Plymouth	55	46	42	1	-	7.3
The Lizard	55	47	*	—	-	10.7
Scilly (St. Mary's)	56	48	*	—	-	11.6
Guernsey	59	47	46	0.6	-	7.5
Pembroke	52	47	*	Tr	-	9.4
Holyhead	53	46	44	0.4	0.3	6.0
Chester (Sealand)	62	48	44	0.4	Tr	7.1
Manchester	60	47	42	0.1	0.2	4.1
Spurn Head	60	45	*	2	-	9.4
Catterick	58	45	38	1	-	4.8
Tynemouth	59	47	42	Tr	-	6.3
St. Abbs Head	55	46	*	Tr	—	*
Leuchars	56	45	40	3	Tr	2.8
Renfrew (Abbots I.)	56	46	43	3	4	3.4
Eskdalemuir	50	43	41	2	5	0.6
Point of Ayre	61	45	*	0.6	Tr	4.8
Tiree	52	46	45	4	1	3.2
Stornoway	52	45	*	1	1	2.7
Dalwhinnie	52	41	39	4	5	4.7
Aberdeen	53	45	37	1	-	2.2
Wick	52	40	*	Tr	Tr	*
Lerwick	51	42	*	—	3	8.2
Blacksod Point	58	48	*	2	0.2	*
Malin Head	(52)	45	*	1	4	6.4
Aldergrove	55	45	39	6	0.3	3.4
Birr Castle	56	44	41	1	Tr	7.1
Valentia Obsy. †	53	49	42	0.2	0.1	4.8
Roches Point	54	48	*	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	ccpr°c	cbccpr°c	cpr°cd	59	45	40	0.3	Tr	2.7	*	*	8
Croydon	217	c⊕r°r°d	cid°pr°	pr°m°d	58	45	42	0.4	1	2.2	*	*	7
Greenwich (Royal Observatory)	149	cd	rd°pc	cPbc	59	44	38	0.3	2	1.6	64	64	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1.5	*	*	*
Westminster (St. James' Park)	27	*	*	*	59	45	38	0.3		1.9	66	72	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	59	45	41	Tr	Tr	1.6	71	73	*
Camden Square	110	c	bc	*	60	45	40	0.3	0.3	*	*	63	*
Kensington	80	bcp	bc	*	59	45	38	0.4	0.1		At 18h 65	73	*
Hampstead Observatory	450	cor	bc	bc	58	42	38	1	-	3.0	*	80	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 15th.

South Kensington.

Max.	Time.	Min.	Time.
<0.3 whole period.			

Kew Observatory.

Max.	Time.	Min.	Time.
0.2	18h. 14th	<0.1	15-16h. 14th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 14th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 15th April 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	W	2	bc	50		48		-
Brussels						1013.6	WSW	3	c	50		48		3
Berlin	1007.0	N	1	c	63	1008.9	W	4	ir°	52	73	52	Tr	Tr
Zurich						1017.9	SSW	1	r°r°	48		48		9
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, 16th April, 1939.
No. 28269.

OBSERVATIONS at 13h. G.M.T. 15th 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)	1016.1	+10	SW	3	c	55	55	8	5	2	–	4-6	10	2500
	Croydon	1015.8	+6	W'S	5	c	56	65	8	4	–	5	7-8	9+	4000
	S. Farnborough	1016.4	+4	W'S	5	c	56	55	8	7	7	–	7-8	10	4000
	Boscombe Down	1017.1	+6	W	5	c	55	65	8	8	7	–	7-8	9+	2500
	Calshot (Soton.)	1017.5	+4	SW	3	c	55	75	7	4	3	–	7-8	9+	2500
	Lympne	1016.4	+12	WSW	4	c	57	55	8	1	4	1	2-3	7-8	2500
	Manston	1015.1	+2	SW'W	5	c	58	45	8	1	–	6	4-6	7-8	4000
2	Shoeburyness	1015.1	+6	WSW	5	c	60	45	8	8	4	5	4-6	7-8	4000
	Felixstowe	1014.0	+8	W	5	c	58	45	8	7	3	8	2-3	7-8	4000
	Gorleston	1013.2	+10	WSW	4	c	56	75	7	2	4	–	4-6	7-8	2500
	Mildenhall	1013.2	+4	WSW	5	c	57	65	8	7	–	6	7-8	7-8	2500
	Cranwell	1011.7	+4	SW	3	c	63	55	7	5	1	–	9+	10	2500
3	Birmingham	1013.1	0	SW	4	iro	52	65	8	6	1	–	4-6	10	2500
	Upper Heyford	1015.1	+4	W's	4	c	53	65	8	7	1	–	7-8	10	2500
4	Ross-on-Wye	1014.8	0	SW'W	4	c	53	75	8	5	—	–	10	10	2500
5	Hartland Point	1015.7	–8	WSW	5	r	49	97	7	5	–	–	10	10	800
	Bristol	1016.9	+4	W's	5	c	53	75	8	5	7	–	7-8	10	2500
	Portland Bill	1018.4	+10	SW	4	c	50	65	7	5	–	–	10	10	2500
	Plymouth	1019.0	+2	SSW	5	zo	51	92	6	5	1	–	2-3	10	2500
	The Lizard	1019.7	0	WSW	4	c	53	92	7	8	2	–	7-8	9+	2500
	Scilly (St. Mary's)	1018.9	0	SW'W	5	ojp	52	97	6	5	–	–	10	10	1500
	Guernsey	1021.2	+10	W	5	c	54	75	7	8	3	–	4-6	7-8	2500
6	Pembroke	1015.0	+2	W's	6	dd	49	65	6	5	–	–	10	10	1500
7	Holyhead	1009.6	–14	SSW	5	c/r	49	92	7	5	2	–	7-8	10	800
	Chester (Sealand)	1011.1	–8	SW	3	roro	54	65	8	6	2	–	7-8	10	2500
8	Manchester	1010.8	+4	WSW	5	roro	51	75	7	6	2	–	2-3	10	1500
10	Spurn Head	1008.9	+6	WSW	6	cq	53	92	6	5	2	–	7-8	10	2500
	Catterick	1007.3	+2	SW'W	5	c	49	75	8	5	2	–	7-8	10	1500
	Tynemouth	1005.1	–2	W	6	c	52	65	6	9	–	–	9+	9+	1500
11	St. Abbs Head	1000.2	–16	W	6	c	51	65	9	8	2	–	7-8	10	1500
	Leuchars	999.8	–16	WSW	6	c	52	75	7	5	9	–	7-8	9	1500
12	Renfrew (Abbotsl.)	1001.7	–22	SW	4	roro	49	92	6	6	–	–	10	10	1500
	Eskdalemuir	1004.1	–8	SW's	5	rr	45	85	6	6	–	–	10	10	1500
	Point of Ayre	1005.9	–18	WSW	6	c/r	51	92	7	8	2	–	7-8	10	800
13A	Tiree	997.7	–12	SW'W	6	c/d	51	92	7	6	2	–	7-8	10	1500
13B	Stornoway	992.8	–28	WSW	8	c/r	51	85	7	8	7	2	7-8	9+	1500
15	Dalwhinnie	998.9	–22	W	5	ir	46	85	7	5	2	–	2-3	10	2500
	Aberdeen	997.8	–14	SSW	3	c/r	50	75	7	5	1	–	9	9+	2500
	Wick	993.2	–26	SW	4	c/r	47	75	9	5	2	–	7-8	10	1500
16	Lerwick	991.8	–4	SW's	4	c/r	46	92	7	8	2	–	10	10	450
17	Blacksod Point	1005.9	+4	W	4	dd	52	97	5	6	–	–	10	10	<150
18	Malin Head	1001.5	–4	W's	5	d	51	97	5	6	–	–	9+	9+	2500
	Aldergrove	1004.0	–22	W's	4	iro	52	92	7	6	–	–	10	10	800
19	Birr Castle	1009.1	–6	WSW	3	iro	54	97	7	6	2	–	7-8	10	800
20	Valentia Obsy.†	1013.5	+4	WSW	6	zo	54	92	6	5	–	–	10	10	450
	Roches Point	1013.5	–4	W's	4	c/d	55	92	9	5	–	–	9	9	1500

OBSERVATIONS at 18h. G.M.T. 15th 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)	1015.4	–4	SW	4	c	53	75	7	5	2	–	7-8	10	2500	1	*
Croydon	1015.9	0	SW	5	c	53	75	7	5	7	–	4-6	10	4000	1	*
S. Farnborough	1016.0	–6	SW'W	5	c	53	75	8	7	7	–	4-6	10	2500	0	*
Boscombe Down	1016.4	–6	SW	4	c	52	85	7	5	2	–	7-8	10	1500	1	*
Calshot (Soton.)	1017.4	–4	SW	5	c	51	92	6	6	2	–	9+	10	1500	1	3
Lympne	1017.8	+8	WSW	5	c/r	49	85	7	5	7	–	Tr	10	1500	0	§4
Manston	1016.2	+4	SSW	5	c/r	52	75	7	–	7	–	0	10	–	0	*
Shoeburyness	1015.2	–2	SW'W	5	c	54	65	8	5	7	–	2-3	10	2500	0	*
Felixstowe	1014.1	0	W's	6	c/pr	55	65	8	5	1	–	4-6	10	1500	0	4
Gorleston	1012.9	–2	SW	4	c	58	75	6	5	7	–	4-6	9+	2500	1	2
Mildenhall	1012.1	–10	SW's	5	c	53	75	8	5	2	–	4-6	10	1500	1	*
Cranwell	1009.5	–6	SW	6	c	53	75	6	5	9	–	7-8	9+	2500	1	*
Birmingham	1011.9	–4	SW	4	o	52	85	8	6	—	–	10	10	800	1	*
Upper Heyford	1014.2	–6	WSW	5	c	52	85	8	5	–	–	10	10	1500	0	*
Ross-on-Wye	1013.5	–8	WSW	4	c	54	85	7	5	–	1	9+	9+	2500	1	*
Hartland Point	1015.6	+8	WSW	6	df	49	97	2	–	–	–	10	10	<150	1	4
Bristol	1015.9	–6	WSW	5	c/d	54	85	8	5	2	–	7-8	10	1500	1	*
Portland Bill	1017.4	–12	SW	5	c	50	85	7	5	–	–	10	10	1500	1	3
Plymouth	1018.6	–2	SW'W	6	dodo	51	97	6	–	2	–	10	10	220	1	3
The Lizard	1019.2	+4	WSW	4	df	51	97	3	5	–	–	10	10	800	1	2
Scilly (St. Mary's)	1019.3	+4	W	5	o	51	92	6	5	–	–	10	10	1500	1	3
Guernsey	1020.7	–4	WSW	5	c	52	92	6	5	3	8	2-3	9	2500	1	3
Pembroke	1013.6	0	W	6	if	50	97	5	5	–	–	10	10	800	1	4
Holyhead	1008.8	+2	SW's	4	c/r	51	92	7	9	7	–	7-8	10	1500	1	2
Chester (Sealand)	1009.6	0	SW	4	c	55	85	8	5	2	–	9	10	1500	1	*
Manchester	1008.2	–10	SW'W	5	c	54	85	7	5	7	–	9+	10	1500	1	*
Spurn Head	1007.3	–12	WSW	5	c	53	75	6	5	2	–	7-8	10	1500	0	3
Catterick	1003.9	–18	SW'W	6	iro	53	85	6	6	–	–	10	10	800	1	*
Tynemouth	1001.7	–8	WSW	5	c	55	75	6	8	–	–	9	9	1500	0	2
St. Abbs Head	998.2	–4	W	5	cq	53	85	8	9	6	–	7-8	9+	1500	0	4
Leuchars	996.8	–14	SW	6	c	52	85	8	8	9	2	2-3	7-8	1500	1	*
Renfrew (Abbotsl.)	1000.9	+6	WSW	4	iro	51	92	7	6	–	–	10	10	1500	1	*
Eskdalemuir	1001.3	–10	SW's	5	roro	49	92	6	–	2	–	10	10	220	1	*
Point of Ayre	1005.1	+4	W	7	iro	53	97	8	8	7	–	7-8	10	1500	1	4
Tiree	999.4	+12	W's	5	c	49	75	7	5	–	–	9+	9+	1500	0	4
Stornoway	993.9	+10	WSW	6	c	48	65	7	5	5	9	2-3	7-8	2500	1	3
Dalwhinnie	998.2	0	W	5	c	46	85	7	4	2	–	4-6	10	2500	1	
Aberdeen	994.9	–6	W	4	c/pr	55	65	7	4	7	–	7-8	9	2500	1	1
Wick	991.1	+2	W	5	cq	51	65	8	5	7	9	4-6	7-8	1500	1	2
Lerwick	985.1	–24	SW	6	cjp	48	85	7	8	7	–	4-6	7-8	800	1	*
Blacksod Point	1007.4	+10	W	3	c	52	97	7	5	–	–	10	10	800	1	3
Malin Head	1003.0	+8	W	5	c	50	92	7	6	8	–	2-3	9	2500	1	2
Aldergrove	1004.4	+6	NW'W	4	ido	53	92	8	6	–	–	10	10	1500	1	*
Birr Castle	1009.5	+4	WSW	4	iro	54	97	7	6	2	–	7-8	10	800	1	*
Valentia Obsy.†	1014.4	+4	WSW	5	zo	55	92	6	5	–	–	9+	9+	450	1	4
Roches Point	1014.1	+8	W	4	c	55	92	8	5	3	–	4-6	7-8	1500	1	3

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)	cwcy	cyproc	c	c
Croydon	c	ciro	cmocido	cido
S. Farnborough	bccy	cyproc	c	cidoc
Boscombe Down	bcwbcc	cproiroc	cciroc	c
Calshot (Soton.)	bbcc	ciroc	ciromo	cidomo
Lympne	bcy	bcycro	ocmo	cmo
Manston	bcyey	cyciro	cbcc	cbccmo
Shoeburyness	bmobcy	bciroc	c	iroc
Felixstowe	bcvy	cycroroc	c	c
Gorleston	bcc	cproq	cbcq	bccq
Mildenhall	cvbcc	cvororoc	cb.c	c
Cranwell	cy	croc	crobcmo	bcciro
Birmingham	bcc	coiro	oc	coroo
Upper Heyford	cbcc	croc	cdocRc	c
Ross-on-Wye	bcc	cqc	cq c	ccqdo
Hartland Point	bccpro	rorofdd	FFdomo	omoido
Bristol	pbcc	cdo	cidoq	cidoqro
Portland Bill	bcc	go	oFFo	o
Plymouth	b,ccmo	oidododo	modidmo	ododocmo
The Lizard	bcc	cprdf	cpr	cproc
Scilly (St. Mary's)	co	idolmo	ocido	oidom
Guernsey	bbcc	cido	coido	oido
Pembroke	bcrrmddo	dodoifo	oqmo	omoprddq
Holyhead	iroRmoc⊕	omoiroc	prc	riRc
Chester (Sealand)	cbccroro	croro	cofirm	croro
Manchester	bccprororo	crororc	ciroir	roirRRm
Spurn Head	bccq	prc	coirc	crrmc
Catterick	bccroc	comoiro	omoiroc	cbbc
Tynemouth	bcc	cq	cq	cqbc
St. Abbs Head	procq	procq	bcbq	prob
Leuchars	ciroc	idoroproc	cbc	bc
Renfrew (Abbotsl.)	promoroo	morrroro	ciropro	cprpro
Eskdalemuir	cprcrr	crrroro	rocrrc	cbc
Point of Ayre	crorr	ddc	rr	rocbc
Tiree	roddo	oidoc	cbc	bcpr
Stornoway	crr…	cbcc	cbccPRq	cPRq
Dalwhinnie	cir	cir		ciR
Aberdeen	bcccr	ccpro	bcb	b
Wick	croc	cproq	cbc	bccbc
Lerwick	ciro	crr	crrq (gale)	crrir (gale)
Blacksod Point	dd	id	IR	preq
Malin Head	cprocd	ccddc	cproc	cprc
Aldergrove	roromoiro	iroddido	cidoc	cprobc
Birr Castle	roroiro	ciro	ciroc	cpr
Valentia Obsy.†	iroidmo	omocmo	moidoid	cidc
Roches Point	dridc	cidoc	cidc	cproc

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.*

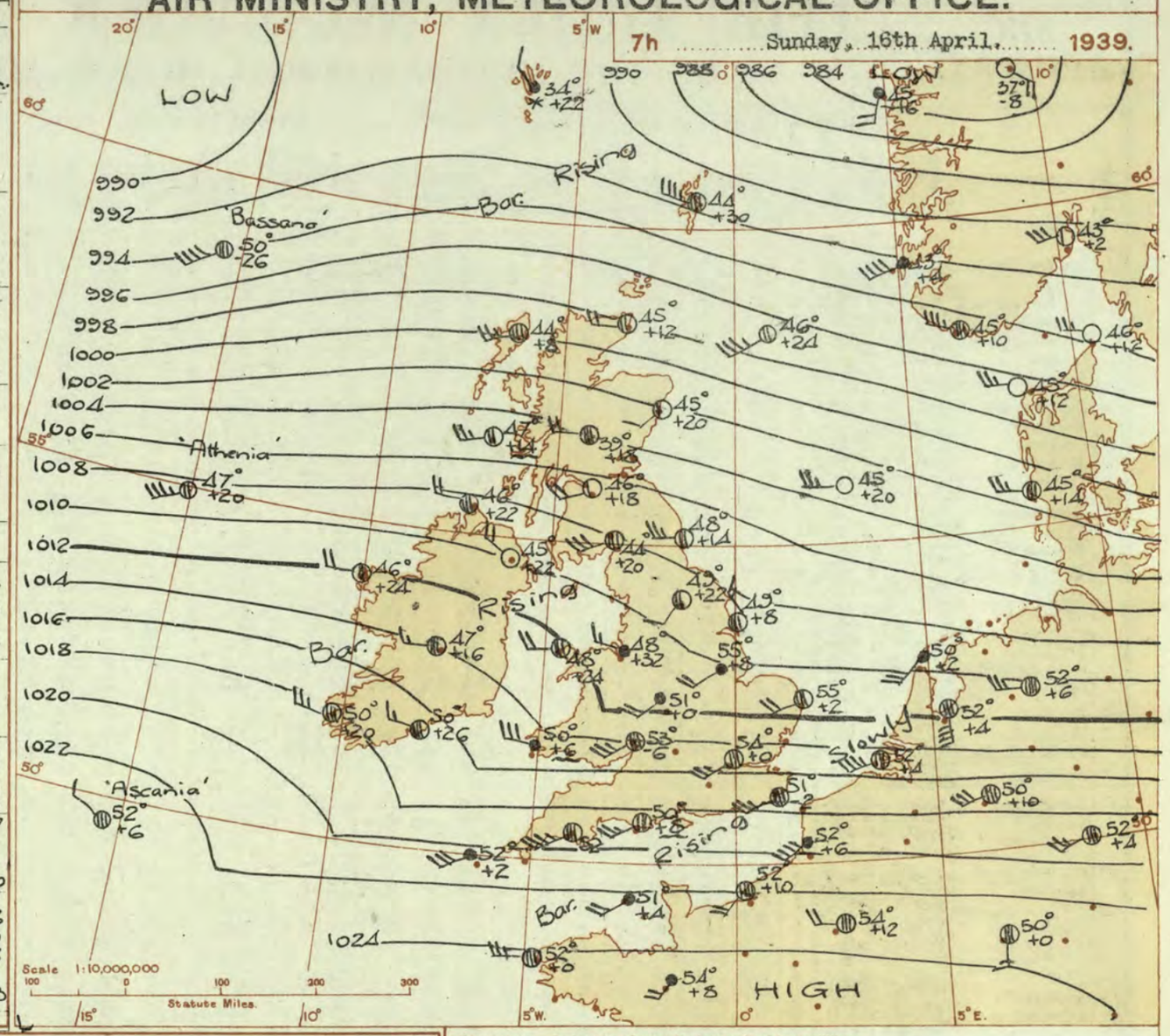
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 15th April 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.	bc	bco	41	59	—	—	7.0	1.8
	Bournemouth	bbc	cp.o	45	58	Trace	Trace	5.9	5.1
	Ventnor ...	b	bopo	46	53	—	0.3	7.8	1.7
	Southsea ...	b	bccdo	46	57	—	Trace	7.5	5.9
	Bognor Regis	bbc	bccr	43	55	Trace	Trace	7.6	4.2
	Littlehampton	bc	bccpc	43	55	—	0.5	7.8	4.3
	Worthing ...	b	pbccro	44	56	—	Trace	7.9	2.7
	Brighton ...	b	pcdc	46	54	—	Trace	8.8	2.3
	Eastbourne† ...	bbc	bcco	45	55	—	—	8.5	0.0
	Hastings† ...	bbcb	bcco	44	57	—	—	8.5	0.0
	Folkestone ...	bc	bccor	44	58	—	Trace	8.3	0.2
	Dover ...	bc	bccor	46	59	—	Trace	5.6	0.4
	Deal	bbc	bcorc	45	61	—	Trace	8.2	0.4
	Ramsgate ...	bc	bcc	45	61	—	—	8.5	0.3
	Margate ...	bbc	bcc	46	60	—	—	9.0	0.8
2	Southend ...	bcb	bo60	44	60	0.3	Trace	8.2	1.7
	Clacton-on-Sea	bc	bccp.	46	60	—	Trace	8.5	1.3
	Dovercourt ...	bcv	bcc	44	60	—	—	7.6	2.4
	Lowestoft ...	bcb	bccp.	44	61	—	Trace	6.5	2.4
	Skegness ...	bc	corc	43	62	1	1	3.3	8.9
	Mablethorpe...	bc	opo	43	58	—	0.3	4.1	7.6
	Cleethorpes ...	bc	bccr	45	57	—	0.5	4.5	7.7
3	Leamington S.	co	o	45	56	0.2	—	2.2	3.2
4	Cheltenham†	cbcc	cp.o	45	56	—	Trace	3.4	7.1
5	Bath	bbcc	cp.	46	56	—	Trace	3.9	2.6
	Weymouth ...	bbc	c	45	55	0.1	—	5.5	5.7
	Jersey ...	cbc	bcc	48	57	—	—	7.9	3.9
	Torquay ...	bvbcc	o	45	57	—	—	4.8	7.0
	Falmouth ...	b	cgmor	44	56	—	Trace	4.7	10.7
	Penzance ...	bbc	ccm	46	57	—	—	3.3	10.5
	St. Ives ...								
	Bude... ...	bccm	cmo	48	54	—	0.2	2.5	10.1
	Ilfracombe ...	bcco	ocop	47	54	—	1	2.4	8.3
6	Aberystwyth	bccpr	pro	47	52	—	2	1.3	6.9
7	Llandudno ...	circ	rcc	47	55	—	0.2	0.9	6.8
	Colwyn Bay...	ccdcd	doc	47	56	—	0.3	1.2	5.8
	Rhyl	bccrc	c	47	57	Trace	Trace	0.6	4.6
8	Wallasey ...	cp.o	orc	46	55	Trace	Trace	1.1	5.7
	Southport ...	bcorc	orc	46	52	0.2	1	0.0	4.8
	Blackpool ...	cpair	irc	46	51	0.5	1	0.3	4.3
	Morecambe ...	cdr	drc	47	50	Trace	2	0.4	5.0
9	Ilkley... ...	c	corc	45	52	0.3	0.4	0.7	5.2
	Harrogate ...	c	cod	45	52	—	1	0.6	6.6
10	Berwick-on-T.	o	crc	47	53	—	Trace	2.5	6.9
11	Dunbar ...	cm.	cmor	45	56	—	Trace	3.4	6.6
12	Troon... ...	orroc	ororr	46	49	1	6	0.0	*
	Douglas ...	cir	cr	45	50	Trace	3	0.0	5.3

† 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. 16th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate to fresh westerly wind, strong at times on coast; cloudy at first, with occasional light rain or drizzle, becoming fair; rather mild.
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.	Moderate to fresh westerly wind; bright periods, local showers; rather mild.
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	Fresh to strong westerly wind; showers, bright periods; rather mild.
19 S.E. Ireland 20 S. W Ireland	As 7 - 12.

GENERAL INFERENCE.

A depression over Norway is moving east while a trough of low pressure across the Midlands and South Wales is moving southeast. Weather will be cloudy with occasional light rain or drizzle at first in advance of the trough, but elsewhere it will be fair apart from some local showers and these conditions will extend to South and Southeast England during the afternoon.

FURTHER OUTLOOK.

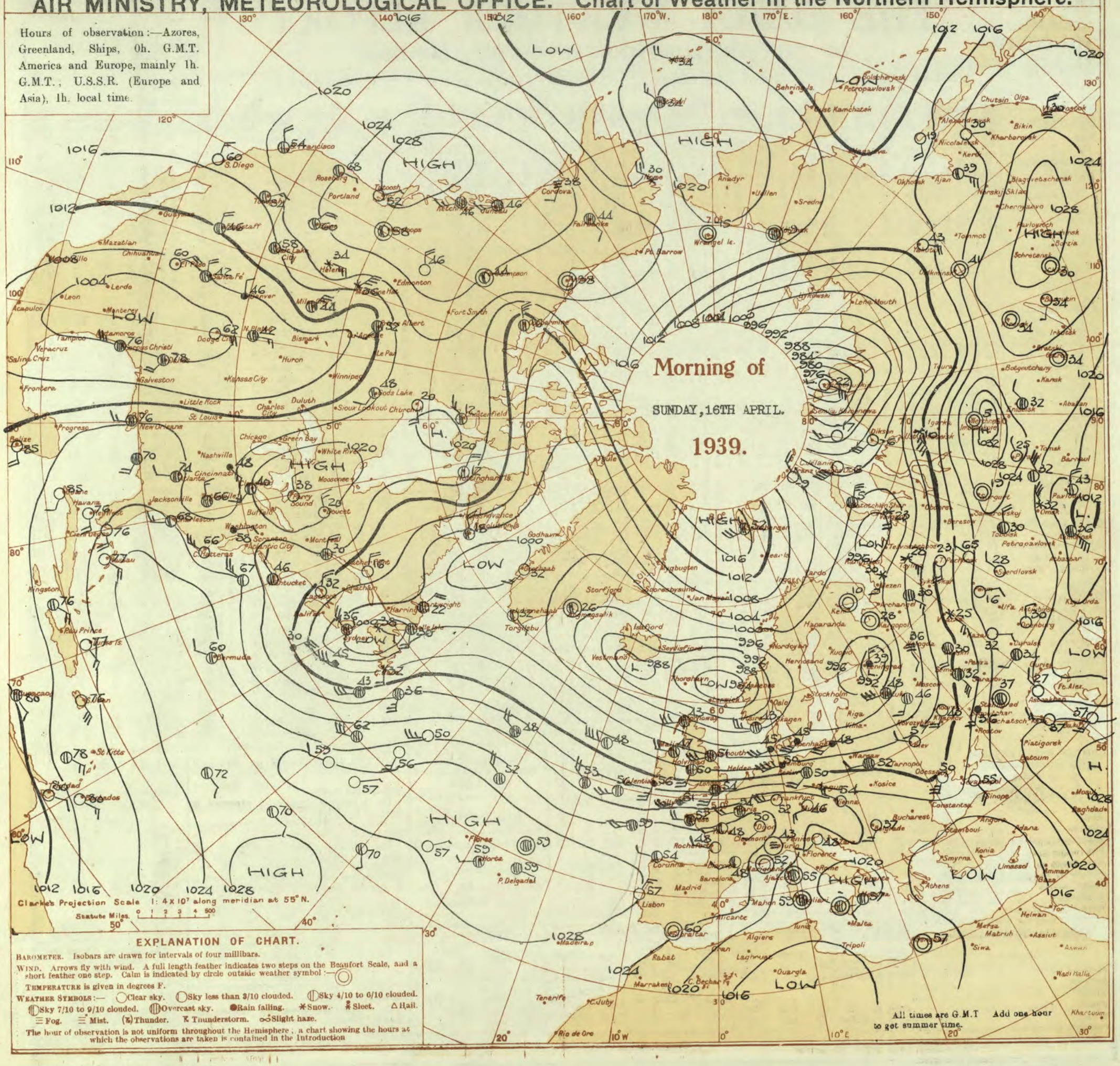
Continuing rather mild; mainly fair in the South, showers in the North.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G.465, 3670. m. 8109. D.4626. Gp. 948. 35400. 4/39.

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, 16th April, 1939.
No. 28269

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

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	1015·7	0	SWW	4	o/d	54	85	8	5	–	–	10	10	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·4	–2	WSW	4	o	50	92	6	5	–	–	10	10	450
	Manston ...	154	1015·9	+2	SW	4	c	52	85	7	5	–	–	9+	9+	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1011·8	+2	SW'W	4	bc	55	75	8	5	–	–	4·6	4·6	2500
	Mildenhall ...	19														
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1016·3	–4	W	6	o	49	97	5	5	–	–	10	10	450
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·8	+4	SW	4	o	49	92	7	5	–	–	10	10	1500
	Plymouth ...	82														
	The Lizard ...	240	1019·3	+4	WSW	5	pr	50	97	6	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1020·5	0	WSW	5	id.	51	97	7	5	2	–	7·8	10	1500
	Guernsey ...	175	1021·3	+2	SW'W	4	o	52	92	7	5	–	–	10	10	2500
6	Pembroke ...	142	1015·4	0	WN	7	oq	50	97	6	5	–	–	10	10	800
7	Holyhead ...	26	1009·2	–8	SW'S	4	c	50	92	7	6	2	–	7·8	10	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1007·3	0	WSW	5	c/r	53	85	6	5	–	–	7·8	7·8	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1002·7	+12	WSW	6	cq	51	75	7	2	–	–	7·8	7·8	2500
11	St. Abbs Head	280	1000·8	+10	W	7	bcq	47	75	8	5	–	–	2·3	2·3	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1007·7	+10	W'N	4	rr	48	97	7	–	2	–	10	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	996·7	+20	WSW	6	c/pr	43	85	7	8	–	–	7·8	7·8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	994·4	+16	WSW	4	bc	43	85	8	5	–	–	2·3	2·3	2500
16	Lerwick ...	156	984·3	+6	SW	8	rr	46	92	7	6	2	–	4·6	10	800
17	Blacksod Point	18	1009·5	+10	W	5	bc	49	92	7	3	–	–	4·6	4·6	800
18	Malin Head ...	84	1005·6	+2	W	4	c	47	85	6	9	–	–	7·8	7·8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012·8	–4	SSW	5	ir	52	97	6	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 16th 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)	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)	1015·4	0	WSW	5	c	54	85	8	5	–	–	10	10	1500	1	*
Croydon ...	1016·7	0	SW'W	5	c/d	54	85	8	5	–	–	9+	9+	1500	1	*
S. Farnborough	1016·1	+2	WSW	5	id.	53	85	8	5	–	–	10	10	800	0	*
Boscombe Down	1016·6	0	W'S	4	c	53	92	7	5	2	–	7·8	10	1500	1	*
Calshot (Sthmtn.)	1017·6	0	SW'W	5	id.	51	92	6	5	–	–	10	10	800	1	3
Lympne ...	1017·2	–2	WSW	5	c	51	92	6	5	3	9	7·8	9+	1500	0	3
Manston ...	1015·7	+4	SW	4	c	53	85	6	5	–	5	9	9	2500	0	*
Shoeburyness ...	1014·9	+4	WSW	6	c/r	55	85	8	5	–	–	10	10	1500	1	*
Felixstowe ...	1014·0	+8	W	7	c	55	75	8	5	–	–	9+	9+	2500	0	4
Gorleston ...	1011·7	+2	WSW	4	c	55	75	7	5	–	–	9+	9+	2500	0	3
Mildenhall ...	1012·1	+2	SW'S	5	c	54	85	8	5	2	–	9+	10	2500	1	*
Cranwell ...	1010·0	+8	SW'W	4	ir.	55	85	7	5	–	–	10	10	1500	1	*
Birmingham ...	1011·8	0	SW	4	r.r.	51	97	6	6	–	–	9+	9+	450	1	*
Upper Heyford	1014·1	0	SW'W	4	c	52	85	7	5	–	–	10	10	450	1	*
Ross-on-Wye	1013·4	–6	WSW	5	c/d	53	85	7	9	–	3	7·8	7·8	1500	1	*
Hartland Point	1017·1	+16	W	6	o	50	97	5	5	–	–	10	10	450	1	4
Bristol ...	1016·1	+2	SW	7	ir	52	92	5	6	–	–	10	10	450	1	*
Portland Bill ...	1017·9	+8	WSW	5	o	50	92	7	5	–	–	10	10	1500	1	4
Plymouth ...	1018·8	0	WSW	7	z.	52	92	6	5	2	–	9	10	800	1	2
The Lizard ...	1020·3	+6	SW'W	5	c	51	97	7	8	2	–	7·8	7·8	1500	1	3
Scilly (St. Mary's)	1020·0	+2	W'S	6	id.	52	97	5	5	–	–	10	10	800	1	3
Guernsey ...	1021·8	+4	WSW	4	id	51	97	6	5	–	–	10	10	1500	1	3
Pembroke ...	1015·1	+6	W'N	6	dd	50	97	5	5	–	–	10	10	800	1	4
Holyhead ...	1012·7	+24	W	4	c	48	85	8	7	8	–	4·6	9+	2500	1	2
Chester (Sealand)	1012·4	+32	WNW	3	r.r.	48	92	7	6	–	–	4·6	9+	800	1	*
Manchester ...	1011·2	+20	WSW	3	r.r.	47	97	6	6	2	–	9	10	800	1	*
Spurn Head ...	1009·2	+8	NW'N	3	c/r	49	97	6	5	–	–	10	10	800	1	2
Catterick ...	1007·8	+22	SW	2	bc	49	75	8	5	4	–	2·3	2·3	2500	1	*
Tynemouth ...	1006·4	+14	W	5	bc	48	75	7	2	–	–	2·3	2·3	1500	0	1
St. Abbs Head	1005·0	+20	W	6	bcq	46	65	9	1	1	9	Tr	2·3	4000	0	4
Leuchars ...	1003·3	+20	WSW	5	bc	46	75	8	4	–	–	2·3	2·3	4000	0	*
Renfrew (Abbots I.)	1006·2	+18	WSW	4	b	46	75	8	8	4	–	1	1	2500	1	*
Eskdalemuir ...	1006·5	+20	W'S	6	c	44	75	8	5	–	–	7·8	7·8	1500	1	*
Point of Ayre ...	1010·1	+20	W'N	5	bc	47	92	8	5	4	5	Tr	2·3	2500	1	3
Tiree	1004·8	+14	W'S	5	bc	47	75	7	8	3	–	2·3	4·6	1500	0	4
Stornoway ...	999·4	+8	WSW	5	c/pr	44	85	8	3	–	–	7·8	7·8	1500	1	3
Dalwhinnie ...	1003·0	+18	W	4	c	39	85	8	6	7	–	4·6	10	2500	1	*
Aberdeen ...	1001·5	+20	SW	2	b	45	65	8	5	–	–	1	1	1500	1	1
Wick ...	997·0	+12	W	4	bc	45	85	8	8	4	1	4·6	4·6	1500	1	1
Lerwick ...	990·3	+30	WNW	7	c/r	44	85	7	8	7	–	7·8	9	800	1	*
Blacksod Point	1012·6	+24	W	4	bc	46	92	8	3	–	–	4·6	4·6	1500	1	3
Malin Head ...	1008·7	+22	W'N	4	cjp	46	85	8	8	–	–	7·8	7·8	4000	0	3
Aldergrove ...	1010·1	+22	NW'W	4	b	45	75	8	5	–	–	Tr	Tr	2500	1	*
Birr Castle ...	1014·0	+16	W	3	c/pr	47	92	8	3	7	–	2·3	9	1500	1	*
Valentia Obsy. †	1018·0	+20	WNW	5	c	50	75	8	5	3	–	7·8	7·8	2500	1	3
Roches Point	1017·3	+26	WNW	3	c	50	85	8	5	–	5	4·6	7·8	2500	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 15th Hrs. (36)
London (Kew)	57	53	51	Tr	–	4·4
Croydon ...	58	52	50	Tr	Tr	4·9
S. Farnborough	58	52	49	Tr	Tr	4·2
Boscombe Down	55	51	50	Tr	Tr	4·9
Calshot (Sthmtn.)	56	49	48	Tr	Tr	5·9
Lympne ...	59	49	48	0·1	–	8·4
Manston ...	61	49	47	Tr	–	8·6
Shoeburyness ...	61	52	48	Tr	Tr	8·1
Felixstowe ...	59	52	52	Tr	–	8·3
Gorleston ...	59	53	50	Tr	–	7·4
Mildenhall ...	59	52	46	1	–	6·1
Cranwell ...	55	52	51	Tr	Tr	3·0
Birmingham ...	53	51	49	0·2	0·5	2·8
Upper Heyford	54	50	47	Tr	0·6	*
Ross-on-Wye	54	52	49	–	Tr	3·5
Hartland Point	50	48	47	0·3	0·2	3·7
Bristol ...	55	50	49	Tr	0·6	4·5
Portland Bill ...	50	46	*	–	–	*
Plymouth ...	53	50	49	Tr	0·1	3·5
The Lizard ...	(53)	49	*	0·5	Tr	4·8
Scilly (St. Mary's)	54	50	*	Tr	Tr	2·1
Guernsey ...	56	51	50	Tr	0·1	7·5
Pembroke ...	51	49	*	1	1	1·3
Holyhead ...	51	46	45	2	3	0·2
Chester (Sealand)	56	48	47	Tr	0·4	0·3
Manchester ...	55	46	46	1	12	1·6
Spurn Head ...	56	48	*	0·5	2	4·8
Catterick ...	55	45	38	Tr	Tr	1·6
Tynemouth ...	55	47	41	–	–	2·5
St. Abbs Head	54	44	*	Tr	Tr	*
Leuchars ...	54	41	37	Tr	–	2·1
Renfrew (Abbots I.)	51	46	40	6	3	0·0
Eskdalemuir ...	49	42	40	8	4	0·0
Point of Ayre ...	55	45	*	3	8	0·0
Tiree	51	42	40	1	1	0·0
Stornoway ...	52	42	*	2	2	4·0
Dalwhinnie ...	47	37	35	8	5	0·0
Aberdeen ...	56	42	32	0·6	–	1·2
Wick ...	54	41	*	0·4	–	*
Lerwick ...	49	43	*	3	4	0·5
Blacksod Point	53	45	*	2	4	*
Malin Head ...	51	43	*	3	1	0·0
Aldergrove ...	54	43	37	1	0·2	0·0
Birr Castle ...	54	45	42	1	4	0·0
Valentia Obsy. †	55	49	45	0·6	0·4	0·0
Roches Point	57	49	*	1	0·3	*

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. To-day.
Kew ...	18	cwcy	cyprc	c	57	53	51	Tr	–	4·4	*	*	8
Croydon ...	217	c	cir.	cncid.	58	52	50	Tr	Tr	4·9	*	*	8
Greenwich (Royal Observatory) ...	149	bcy	cy	cd.	59	53	49	–	Tr	5·2	52	76	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	4·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	59	53	51	–	–	4·4	59	75	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	56	52	49	Tr	Tr	3·5	75	87	*
Camden Square ...	110	bc	c	*	58	54	49	–	–	*	18h. 69	77	*
Kensington ...	80	bc	c	*	59	54	51	–	–	4·4	69	79	*
Hampstead Observatory ...	450	bcp	o	o	56	51	49	Tr	–	3·8	*	86	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 16th

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. 15th April Barom. mb.	Wind Direc.	Wind Force	Weather.	Temp. °F.	7h. G.M.T. 16th April 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 ...	1021·5	WNW	4	bc	59	1023·7	W	4	o	54	63	50	–	–
Brussels ...														
Berlin ...						1010·3	WSW	6	o	52		48		Tr
Zürich ...	1021·8	S	3	bc	55						63		1	
Rome ...	1019·1	ESE	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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 17th April, 1939.
No. 28270

OBSERVATIONS at 13h. G.M.T. 16th 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)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1017.1	+8	WSW	4	c	58	75	8	5	–	–	9+	9+	1500
	Croydon	1016.9	+6	W	4	c	58	76	6	5	–	–	9+	10	2500
	S. Farnborough	1017.5	+6	W'S	4	c	59	70	8	7	3	–	7-8	10	1500
	Boscombe Down	1018.5	+10	W'S	5	c	58	75	8	8	2	5	7-8	9	2500
	Calshot (Soton.)	1018.4	+4	SW	4	c/d	57	85	7	5	3	–	9	9+	5700
	Lympne ...	1018.6	+6	WSW	5	zo	52	92	5	5	–	–	10	10	450
	Manston ...	1016.9	+2	SW	5	c	55	85	6	9	–	–	10	10	1500
2	Shoeburyness ...	1016.5	+6	WSW	4	c/d	56	92	5	5	–	–	10	10	1500
	Felixstowe ...	1015.6	+10	NW	6	rr	60	65	6	7	2	–	1	9+	800
	Gorleston ...	1013.8	+14	WNW	5	c/pr	55	92	7	2	7	1	2-3	7-8	4000
	Mildenhall ...	1015.3	+18	W'N	4	c	58	65	8	8	–	6	4-6	9	2500
	Cranwell ...	1014.5	+16	W	5	c	57	45	7	7	1	6	4-6	9	4000
3	Birmingham ...	1016.2	+16	W	4	c	57	45	8	7	7	–	4-6	7-8	2500
	Upper Heyford	1016.7	+14	WNW	4	c	57	55	9	7	–	2	9	9+	2500
4	Ross-on-Wye ...	1017.0	+8	W	5	bcq	58	55	9	8	–	8	4-6	4-6	4000
5	Hartland Point	1020.5	+20	NW	3	c	50	92	8	5	–	–	9	9	1500
	Bristol	1018.6	+14	W	4	c	56	75	8	9	–	–	4-6	7-8	800
	Portland Bill ...	1019.6	+12	WSW	4	c	52	85	7	2	–	–	7-8	7-8	2500
	Plymouth ...	1021.0	+10	WNW	4	c	57	65	8	7	7	–	7-8	9	2500
	The Lizard ...	1022.4	+10	W'N	4	bc	54	92	7	8	4	–	2-3	4-6	2500
	Scilly (St. Mary's)	1022.8	+10	WNW	4	bc	57	85	9	4	4	–	2-3	4-6	2500
	Guernsey ...	1022.4	+2	WSW	3	dd	52	97	5	5	–	–	10	10	1500
6	Pembroke ...	1014.7	+12	WNW	4	bc	51	85	7	7	7	1	2-3	4-6	2500
7	Holyhead ...	1016.3	+10	SW	4	c	53	65	8	7	8	6	2-3	9+	2500
	Chester (Sealand)	1016.3	+14	WNW	6	c	55	55	8	8	1	–	7-8	9+	2500
8	Manchester ...	1015.0	+18	W'N	6	c	54	55	8	1	3	6	2-3	9+	4000
10	Spurn Head ...	1013.4	+10	WNW	4	c	54	65	7	4	8	2	2-3	7-8	4000
	Catterick ...	1011.8	+18	W	6	c	55	45	9	7	–	6	4-6	9	2500
	Tynemouth ...	1009.7	+16	W	6	bcq	53	55	8	2	6	1	2-3	4-6	2500
11	St. Abbs Head...	1007.4	+16	W	6	bcq	51	55	8	2	4	–	4-6	4-6	2500
	Leuchars ...	1005.9	+10	W	7	bcq	55	55	9	8	6	–	2-3	2-3	4000
12	Renfrew (AbbotsI.)	1010.3	+16	W'S	4	pr	50	65	7	9	3	6	9	9+	2500
	Eskdalemuir ...	1010.0	+8	W'S	7	bc/pr	49	55	8	8	3	–	4-6	4-6	2500
	Point of Ayre ...	1013.8	+14	WNW	5	iro	56	75	8	8	–	6	7-8	9	4000
13A	Tiree ...	1007.9	+8	WSW	4	bc	52	75	7	8	–	–	4-6	4-6	2500
13B	Stornoway ...	1000.9	+4	WSW	7	pr	47	85	8	5	7	–	4-6	9	2500
15	Dalwhinnie ...	1006.0	+10	SSW	5	ir	45	75	7	4	6	–	4-6	9+	2500
	Aberdeen ...	1004.2	+16	WNW	6	bc	57	45	8	1	–	–	2-3	2-3	2500
	Wick	1000.6	+16	W	5	cq	58	55	8	8	7	–	4-6	7-8	1500
16	Lerwick... ...	994.3	+8	W'S	6	c/pr	47	75	8	8	7	–	4-6	7-8	800
17	Blacksod Point...	1015.0	+6	W	6	bc	52	85	8	2	–	–	4-6	4-6	2500
18	Malin Head ...	1011.1	+12	W	5	bc	50	65	8	5	8	–	4-6	4-6	5700
	Aldergrove ...	1013.3	+12	NW	5	pr	50	65	9	2	–	–	9+	9+	1500
19	Birr Castle ...	1017.0	+12	W'N	5	c	54	65	8	8	4	1	7-8	9	1500
20	Valentia Obsy.†	1020.9	+6	W'S	5	c	53	65	8	7	–	1	9+	9+	2500
	Roches Point ...	1019.9	+6	WNW	4	c	54	75	8	8	–	5	4-6	7-8	2500

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

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)...	1018.1	+6	WSW	4	bc	58	55	8	4	–	1	4-6	4-6	2500	1	*
	Croydon	1018.1	+6	W	4	bc	57	65	7	2	4	–	4-6	4-6	4000	1	*
	S. Farnborough	1018.9	+12	W	4	b	57	55	8	–	–	9	0	Tr	–	0	*
	Boscombe Down	1020.1	+8	W'N	5	bc	52	65	8	5	4	–	2-3	2-3	4000	0	*
	Calshot (Soton.)	1019.4	+8	WNW	4	b	56	55	9	4	6	–	1	1	4000	1	2
	Lympne ...	1019.0	+4	SW	3	bc	53	85	7	2	6	–	4-6	4-6	2500	0	§3
	Manston ...	1018.0	+4	WSW	2	c	56	85	6	8	6	–	7-8	7-8	2500	0	*
2	Shoeburyness ...	1017.5	+6	W'N	2	bc	59	55	8	8	–	9	2-3	2-3	2500	1	*
	Felixstowe ...	1016.9	+8	NW'W	4	bc	59	45	8	1	–	6	1	2-3	2500	0	2
	Gorleston ...	1015.9	+10	NW'W	3	c	59	45	6	–	7	–	0	7-8	–	0	2
	Mildenhall ...	1016.7	+10	W'S	3	c	56	55	7	7	7	6	1	9+	2500	1	*
	Cranwell ...	1016.0	+6	W	3	bc	55	45	8	7	–	9	2-3	4-6	800	1	*
3	Birmingham ...	1018.1	+8	W	4	c	52	45	8	5	7	–	4-6	7-8	2500	1	*
	Upper Heyford	1018.1	+10	WNW	4	b	55	45	9	5	–	1	1	1	4000	0	*
4	Ross-on-Wye ...	1018.7	+4	W	2	bc	55	55	8	7	–	6	4-6	4-6	4000	0	*
5	Hartland Point	1021.0	0	NW	4	bc	51	85	8	2	4	1	1	2-3	2500	0	3
	Bristol	1020.2	+6	W	4	bc	51	75	8	8	7	–	2-3	4-6	4000	0	*
	Portland Bill ...	1021.1	+8	WNW	4	c	50	85	8	2	4	–	7-8	9	2500	1	3
	Plymouth ...	1022.2	+6	W	3	bc	54	65	8	7	–	–	4-6	4-6	1500	1	2
	The Lizard ...	1023.5	+4	W	3	bc	52	85	7	8	–	–	2-3	2-3	2500	1	2
	Scilly (St. Mary's)	1023.4	+2	W	3	bc	52	92	8	4	–	–	2-3	2-3	2500	0	2
	Guernsey ...	1022.9	+2	WNW	4	c	51	97	6	5	–	–	7-8	7-8	1500	1	3
6	Pembroke ...	1020.0	0	W'N	5	bcq	49	85	7	7	9	1	2-3	4-6	2500	1	3
7	Holyhead ...	1016.3	–2	SW'S	4	c	51	75	8	5	4	6	4-6	9+	4000	1	2
	Chester (Sealand)	1016.7	+2	SW'W	3	c	55	45	8	8	7	–	7-8	9+	2500	1	*
8	Manchester ...	1016.4	+4	W'S	4	c	52	65	7	5	3	2	7-8	9	2500	1	*
10	Spurn Head ...	1015.0	+12	W'N	5	c	51	65	7	5	9	2	4-6	7-8	2500	0	3
	Catterick ...	1013.4	+4	W	4	c	51	65	8	5	4	9	1	7-8	2500	1	*
	Tynemouth ...	1010.0	0	W	6	bc	53	55	7	2	3	1	2-3	4-6	2500	0	2
11	St. Abbs Head...	1008.0	+2	WNW	8	bcq	56	55	8	2	4	1	2-3	4-6	2500	[illegible]	4
	Leuchars ...	1007.0	+2	W	7	bcq	49	75	8	8	6	5	2-3	4-6	4000	0	*
12	Renfrew (AbbotsI.)	1010.6	–6	WSW	5	c/p	49	75	7	8	3	–	7-8	7-8	2500	1	*
	Eskdalemuir ...	1010.8	+2	W'S	6	bc	46	55	8	8	–	4	2-3	4-6	2500	1	*
	Point of Ayre ...	1013.6	–2	W'N	4	c	51	85	8	4	–	6	4-6	7-8	4000	0	2
13A	Tiree ...	1006.9	–2	W'S	5	pr	48	65	7	8	–	–	4-6	4-6	1500	1	4
13B	Stornoway ...	1000.5	–2	WSW	7	pr	47	75	7	8	6	–	7-8	7-8	1500	1	4
15	Dalwhinnie ...	1007.5	0	SSW	3	bc	42	92	8	4	5	–	4-6	4-6	2500	1	*
	Aberdeen ...	1005.1	+6	W	4	bc	52	45	8	1	–	–	2-3	2-3	2500	0	2
	Wick	1001.3	0	WSW	5	cq	50	55	8	8	7	–	4-6	7-8	1500	1	2
16	Lerwick... ...	997.1	+2	W'S	3	ir	43	92	7	8	7	–	7-8	9	800	1	*
17	Blacksod Point...	1014.7	–4	W	5	bc	48	92	8	3	3	–	4-6	4-6	800	1	3
18	Malin Head ...	1010.7	–6	W	5	bc	49	75	8	8	–	4	2-3	4-6	5700	0	4
	Aldergrove ...	1013.4	0	WNW	5	c	50	65	8	8	–	1	7-8	9	2500	1	*
19	Birr Castle ...	1017.2	+2	WNW	5	c	51	65	8	5	7	–	7-8	9	2500	1	*
20	Valentia Obsy.†	1020.6	–6	W'S	5	pr	49	75	8	5	–	–	10	10	2500	1	4
	Roches Point ...	1020.0	0	W	4	c	52	75	8	6	2	–	4-6	10	1500	1	3

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 16th (37)	13h.–18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.–7h. 17th (40)
1	London (Kew)...	cproc	cbcy	bcyb	croc
	Croydon	cidoc	czocbc	bcbbc	crodoc
	S. Farnborough	cidoc	cirobcby	bbc	ciroc
	Boscombe Down	cdodomoc	cbcybc	cbc	bcrorobc
	Calshot (Soton.)	cidomo	ircby	bybbc	crrbcc
	Lympne ...	como	ocmobc	bcbmow	bwbccrr
	Manston ...	cmo	cpromoc	cbc	bciroc
2	Shoeburyness ...	ddmmoc	pobbcy	bcybbc	bcwc
	Felixstowe ...	cidorr	bcbcy	bcyb,c	c
	Gorleston ...	cpcq	cbccq	c	cproc
	Mildenhall ...	coidorrc	cbcbcy	cbccy	c
	Cranwell ...	ciroddcy	cbcy	bcyb	b
3	Birmingham ...	orobc	bc	cprobc	bc
	Upper Heyford	ccddoc	cyby	bbc	bccw
4	Ross-on-Wye ...	doqorcbc	bcy	bcc	cpbcq
5	Hartland Point	offdc	cbc	ciroorr	c
	Bristol	crdodo	cbc	bccroro	crobc
	Portland Bill ...	oc	c	c	cprc
	Plymouth ...	cidodorc	cybc	bcrr	crrproc
	The Lizard ...	prddm	bcbc	bcrr	crr bc
	Scilly (St. Mary's)	idocbc	bcbbc	dodoiro	cpbc
	Guernsey ...	oiddd	oddc	cbod	odrrc
6	Pembroke ...	cqbc	bcq	bcirocqbc	cbcq
7	Holyhead ...	bcc[solar halo]	bcc[solar halo]	cbc	bc
	Chester (Sealand)	rorobcc	c[solar halo]	c	cbcpr
8	Manchester ...	cmocbc	cyc	cbc	bcc
10	Spurn Head ...	c	c	cbcc	bcc
	Catterick ...	bccy	cybc	bcbbc	bcc
	Tynemouth ...	bcq	bccq	bc	bccq
11	St. Abbs Head...	bcqy	bcqy[gale]	bq[gale]	prbcq[gale]
	Leuchars ...	bcqy	bcybcq	cPRbc	bcprobc
12	Renfrew (AbbotsI.)	phocpro	cqpro	cmopro	cproprpro
	Eskdalemuir ...	probcy	bcypro	PRprbc	prc
	Point of Ayre ...	bcc	iroc	cbc	bcro
13A	Tiree ...	bc	bcpro	bcl	bccpr
13B	Stornoway ...	cPRpr	cpr[gale]	cPRqpr	ciRpr
15	Dalwhinnie ...	cir	ciR		cRr
	Aberdeen ...	bbcb	bbcb	bbw	bwczo
	Wick	bccqy	cprqy	bcbbc	cpro
16	Lerwick... ...	cirprq	cprir	cir	crrir
17	Blacksod Point...	bcq	prcq	prcq	prcq
18	Malin Head ...	bc	[lunar halo]bcpobc	bcpocprc	cprc
	Aldergrove ...	bccproq	proqyc	cproc	cprbc
19	Birr Castle ...	c	c	cbcpro	bcpro
20	Valentia Obsy.†	cbcc	cpro	crorprq	cpro
	Roches Point ...	c	c	irobc	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.
if, fog at a distance, but not at station.
p, precipitation within sight of station.
s, storm of drifting snow.
/s₀, slight storm of drifting snow (generally low).
s/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 symbol] gale.
⊕ Solar halo. [lunar halo symbol] lunar halo. [aurora symbol] 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.

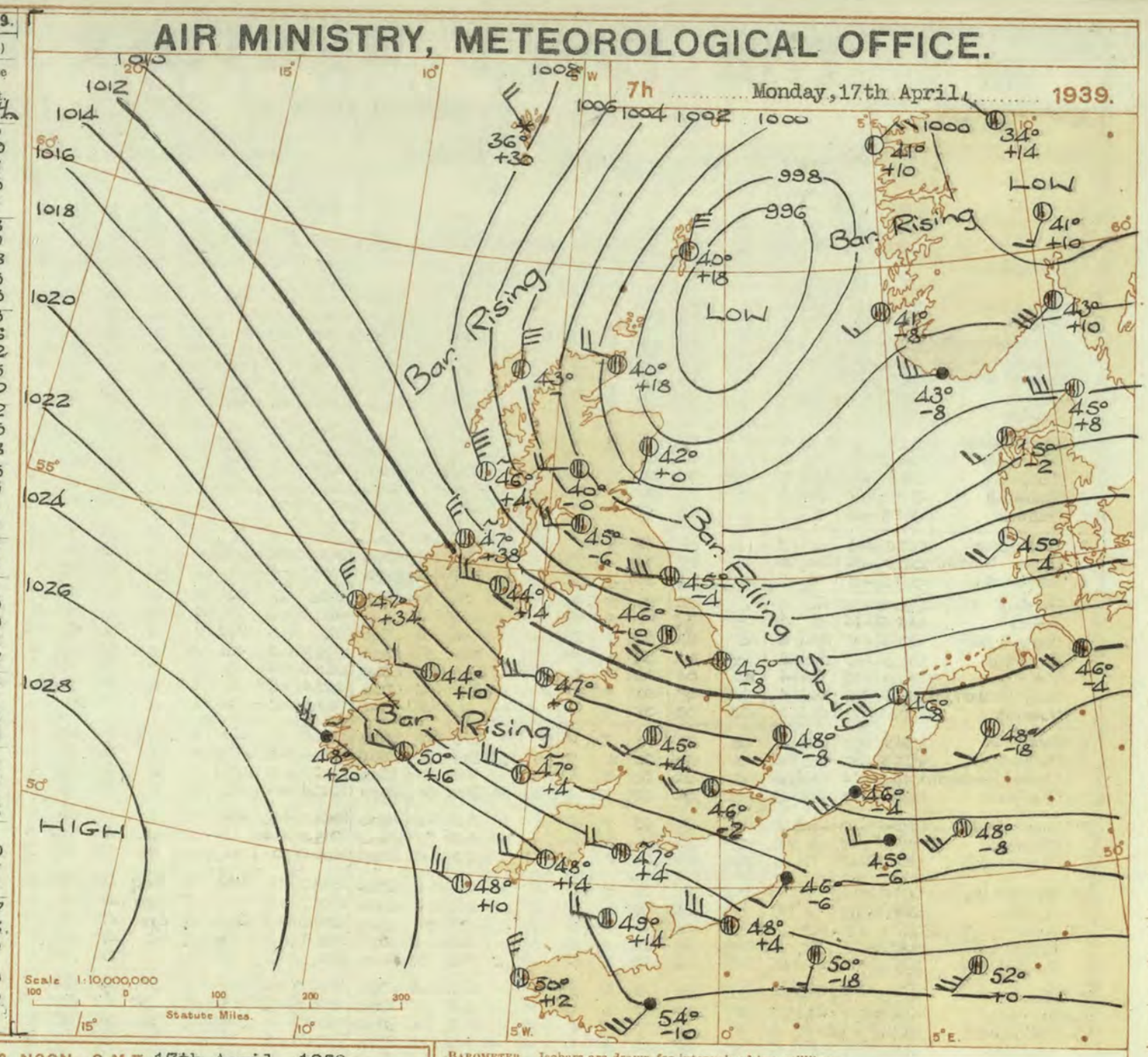
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 16th April 1939.

DISTRICTS.	STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	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. 16th
1	Tunbridge W.	o	cbc	50	61	—	—	1.4	7.0
	Bournemouth	oc	bcp.b	50	61	—	0.3	3.1	5.9
	Ventnor ...	of	ofcbc	48	54	—	—	1.6	7.8
	Southsea ...	coc	odb	50	58	—	Trace	2.5	7.5
	Bognor Regis	oolr	cbcb	50	55	—	Trace	2.6	7.6
	Littlehampton	c	ccpbc	50	55	—	0.1	2.9	7.8
	Worthing ...	o	cbcb	50	54	—	—	1.3	7.9
	Brighton ...	c	cb	49	53	—	—	0.1	8.8
	Eastbourne† ...	o	omf	48	52	—	—	0.0	8.5
	Hastings† ...	o	o	48	52	Trace	—	0.0	8.5
	Folkestone ...	o	ocom.	48	54	Trace	—	0.6	8.3
	Dover ...	o	orbc	49	53	0.3	Trace	0.8	8.6
	Deal	co	ocbco	50	60	Trace	—	2.1	8.2
	Ramsgate ...	bc	c	50	58	—	—	1.1	8.5
	Margate ...	cbc	bcc	51	59	—	—	1.8	9.0
2	Southend ...	cood	db	51	62	—	0.3	1.6	8.2
	Clacton-on-Sea	oc	cpbc	51	60	—	2	1.9	8.5
	Dovercourt ...	bccoc	bcpbc	52	61	—	Trace	3.0	7.8
	Lowestoft ...	ccp.	cbcb	52	61	—	Trace	3.0	6.5
	Skegness ...	ocbc	bcc	50	62	1	—	2.6	3.3
	Mablethorpe...	orbc	c	49	57	0.5	—	2.6	4.1
	Cleethorpes ...	bc	bcc	50	58	3	—	4.0	4.5
3	Leamington S.	cpc	c	52	60	0.1	—	4.6	2.2
4	Cheltenham†	oorc	cbccq	50	61	Trace	0.5	5.2	3.4
5	Bath	rcbc	cbcb	52	60	2	0.5	4.2	3.9
	Weymouth ...	c	cbc	50	59	—	—	3.3	5.5
	Jersey ...	co	def	51	54	—	0.4	0.0	8.0
	Torquay ...	cm.d.p	bcvyq	52	60	Trace	Trace	5.3	4.8
	Falmouth ...	c	b	51	58	1	—	4.2	4.7
	Penzance ...	mdcb	bbcb	51	59	1	Trace	5.2	3.3
	St. Ives ...								
	Bude... ...	omc	bc	51	55	Trace	—	3.4	2.5
	Ilfracombe ...	omo	obbc	50	53	0.3	—	2.9	2.4
6	Aberystwyth	prcbc	bcc	49	53	1	—	6.8	1.3
7	Llandudno ...	bcc	cbc	46	55	4	—	5.5	0.9
	Colwyn Bay...	bcc	cbc	46	56	4	—	3.3	1.2
	Rhyl	cbcc	cbc	46	56	2	—	4.1	0.6
8	Wallasey ...	bbc	bccbc	46	55	3	—	6.4	1.1
	Southport ...	bbco	cobc	46	54	7	—	5.5	0.0
	Blackpool ...	bbcc	c	46	52	6	—	6.7	0.5
	Morecambe ...	bcb	bbc	46	52	8	—	8.8	0.4
9	Ilkley... ...	b	b	44	55	2	—	9.2	0.7
	Harrogate ...	bcb	bbcq	45	55	Trace	—	7.0	0.6
10	Berwick-on-T.	bcro	bcr.b	46	55	0.1	Trace	11.1	2.5
11	Dunbar	bc	bcpro	43	54	—	Trace	10.9	4.1
12	Troon... ...	bcpbc	pobcc	45	52	1	0.5	8.1	0.0
	Douglas ...	cr	bcpro	45	53	7	Trace	8.7	0.0

† 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. 17th April, 1939.
1 S.E. England 2 E. England 3 E. Midlands ...	Fresh west to northwest wind; strong locally, decreasing and backing southwest; bright intervals; showers, perhaps local thunder; becoming colder.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Fresh, squally, northwest wind; strong on coasts, decreasing and backing southwest. Bright intervals, local showers of rain or hail; colder.
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.	Fresh to strong northwest wind, gale locally on coasts, decreasing and backing southwest; bright intervals; showers of rain or hail, local thunder; cold.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Wind northwest, strong to gale, decreasing and backing south; wintry showers; local thunder; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Fresh to strong west to northwest wind, decreasing temporarily, freshening from south later; bright intervals and local showers at first; general rain to-morrow; rather cold.

H.M.S.O. Press, Cornwall House S.E.1. G.465 3670 m 8/09 D.4626 Gp.948 35400 4/39.

GENERAL INFERENCE.

A deep depression off Northeast Scotland is moving east-south-east, and a wedge of high pressure west of Ireland is moving east. Weather will become colder with showers in all districts.

FURTHER OUTLOOK.

Unsettled and milder.

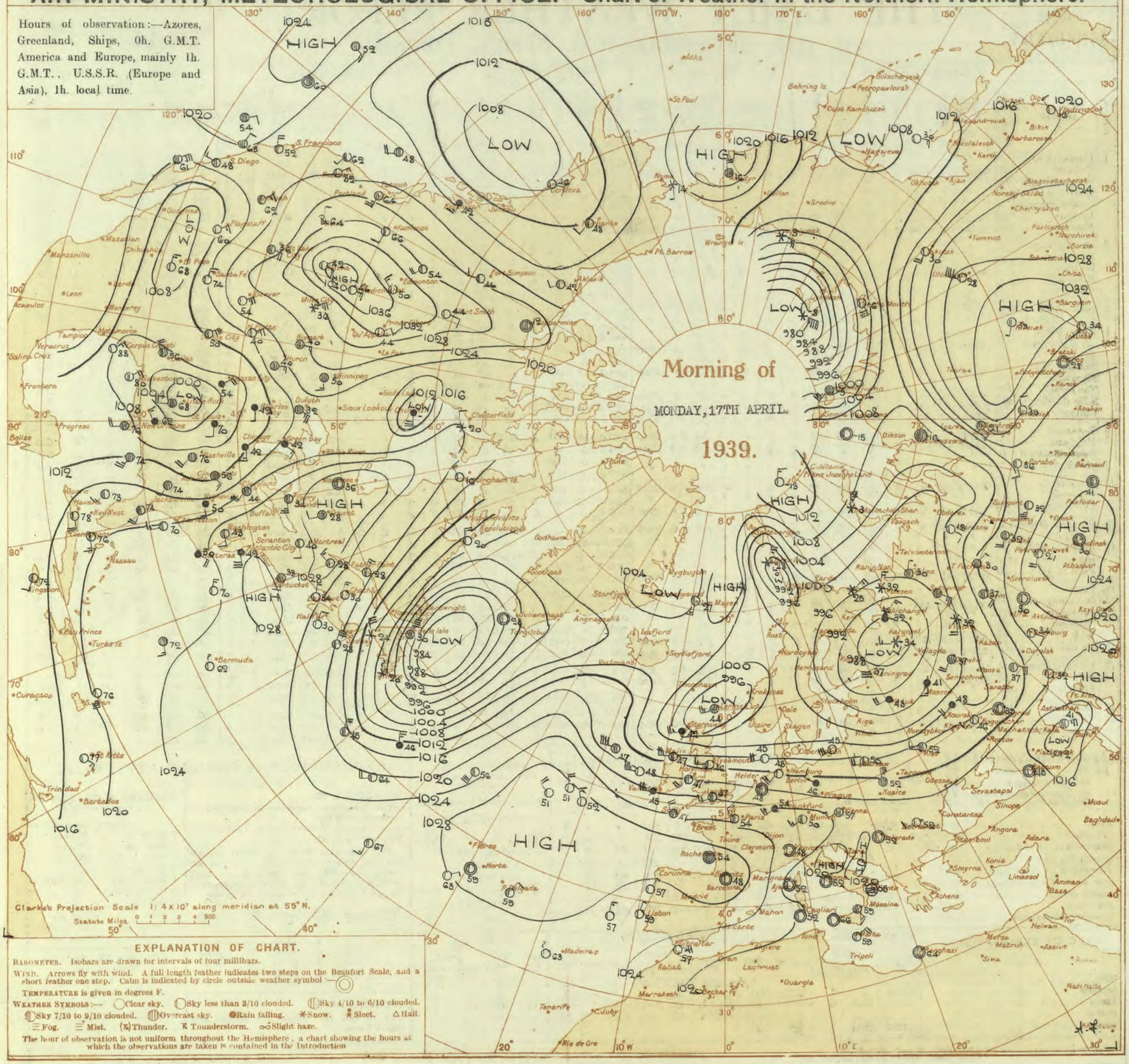
Times of Issue of Gale Warnings.

North Cone hoisted at 0830 on 17/4/39 in districts 2,7,12 and part of 16, and at 1000 on 17/4/39 in districts 10,11,13,15, part of 16, 17 and 18.

Forecasts issued at 1100 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, 17th April, 1939.
No. 28270

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

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	1019.3	−8	NSW	3	c	47	75	8	5	—	—	10	10	5700
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.8	−10	NSW	3	b	45	85	7	—	—	—	0	0	—
	Manston ...	154	1018.4	−8	SW'W	3	bc	46	75	7	5	—	—	2-3	2-3	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1016.1	−14	SW'W	2	c	50	65	7	—	2	—	0	10	—
	Mildenhall ...	19														
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020.1	−6	WNW	4	c/r	46	92	8	—	2	—	9	9	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1020.1	−10	W	4	c	48	85	7	5	—	—	10	10	2500
	Plymouth ...	82														
	The Lizard ...	240	1022.0	−12	WNW	3	rr	45	97	7	5	—	—	10	10	1500
	Scilly (St. Mary's)	163	1022.6	−4	NW	4	c/r	47	97	8	5	—	—	10	10	1500
	Guernsey ...	175	1022.3	−10	NSW	3	dd	50	97	5	5	—	—	10	10	1500
6	Pembroke ...	142	1019.1	0	WNW	5	bcq	47	92	7	8	—	—	2-3	2-3	1500
7	Holyhead ...	26	1015.5	−2	SW'W	4	c	47	75	8	5	—	6	2-3	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013.6	−10	SW	4	c	47	75	7	5	—	—	7-8	7-8	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010.5	0	W	3	bc	46	65	7	2	—	—	2-3	2-3	1500
11	St. Abbs Head	280	1005.5	−24	W	8	bcq	43	65	8	5	—	—	2-3	2-3	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1012.7	−4	WN	6	bc	46	92	8	5	—	—	4-6	4-6	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	996.6	−10	NSW	5	pr	42	85	7	8	—	—	7-8	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	998.0	−18	SW	3	bc	41	85	8	5	1	—	2-3	4-6	1500
16	Lerwick ...	156	995.2	−12	NSW	5	c/r	44	85	8	8	7	—	4-6	7-8	800
17	Blacksod Point	18	1014.4	+2	W	5	bc	48	75	7	9	—	—	4-6	4-6	800
18	Malin Head ...	84	1008.1	−14	W	5	c/pr	47	65	7	8	—	—	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1020.8	+6	W	5	PR	45	97	8	8	—	—	4-6	4-6	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1016.8	−4	NSW	3	c	48	85	8	5	1	7	7-8	10	1000	1	*
	Croydon ...	1017.3	−2	W'S	4	c	46	85	7	1	9	2	Tr	9+	1500	1	*
	S. Farnborough	1017.4	+2	NSW	4	c	46	85	8	5	7	2	4-6	9+	2500	1	*
	Boscombe Down	1018.3	0	W'N	4	c	46	85	7	8	4	2	2-3	7-8	500	0	*
	Calshot (Sthmtn.)	1018.5	+2	W'S	4	c	47	85	8	—	7	—	0	7-8	—	1	1
	Lympne ...	1017.6	−8	NSW	3	c	44	97	8	5	3	2	4-6	9	1500	1	§
	Manston ...	1016.1	−10	SW'W	4	c	46	92	7	5	7	8	1	9	4000	1	*
2	Shoeburyness ...	1015.9	−8	SW	3	c	48	85	7	1	4	6	Tr	9+	4000	1	*
	Felixstowe ...	1015.0	−6	W	4	c	48	75	7	5	7	8	4-6	9+	5700	0	3
	Gorleston ...	1013.6	−8	SW'W	3	c	48	85	7	5	3	—	4-6	9	2500	0	2
	Mildenhall ...	1014.0	−6	SW'W	4	c	47	85	7	—	7	6	0	9+	—	1	*
	Cranwell ...	1013.1	−10	SW'W	4	bc	45	85	7	5	4	1	Tr	2-3	4000	1	*
3	Birmingham ...	1015.4	+4	NSW	3	c	45	75	7	5	3	1	4-6	7-8	1500	1	*
	Upper Heyford	1016.8	+2	W'S	3	c	45	85	8	5	—	8	1	7-8	2500	0	*
4	Ross-on-Wye	1017.2	+4	W	5	bcq	48	65	8	1	—	—	2-3	2-3	2500	1	*
5	Hartland Point	1020.3	+12	WNW	5	c	47	85	8	8	6	—	7-8	7-8	1500	1	3
	Bristol ...	1018.1	0	W	4	bc	45	85	8	1	4	—	2-3	4-6	1500	0	*
	Portland Bill ...	1019.6	+4	WNW	4	c	47	92	7	5	4	—	7-8	9	2500	1	4
	Plymouth ...	1022.0	+14	WN	4	bc	46	85	8	8	—	—	2-3	2-3	2500	1	2
	The Lizard ...	1024.2	+16	W'N	5	bc	48	85	8	8	6	—	4-6	4-6	2500	1	2
	Scilly (St. Mary's)	1023.2	+10	NW'W	6	bc	48	92	8	8	4	—	4-6	4-6	1500	1	3
	Guernsey ...	1021.6	+14	WNW	4	c	49	85	7	1	8	8	2-3	7-8	2500	1	3
6	Pembroke ...	1019.5	+4	WNW	6	bcq	47	75	8	7	1	—	2-3	2-3	2500	1	4
7	Holyhead ...	1014.6	0	W	6	c	47	75	8	8	4	9	7-8	10	1500	0	3
	Chester (Sealand)	1014.1	0	W'S	4	c	47	65	8	5	—	—	9+	9+	4000	1	*
8	Manchester ...	1012.8	−4	W'S	5	c	46	75	6	5	3	—	4-6	9	4000	1	*
10	Spurn Head ...	1011.4	−8	W'S	3	c	45	85	7	5	4	4	4-6	7-8	4000	0	3
	Catterick ...	1008.7	−10	NSW	4	c	46	75	8	5	9	3	7-8	9+	1500	1	*
	Tynemouth ...	1006.4	−4	W	6	cq	45	75	7	2	6	—	4-6	7-8	1500	0	2
11	St. Abbs Head	1001.3	−16	W	7	bcq	45	65	8	9	6	9	2-3	4-6	2500	0	4
	Leuchars ...	1000.3	−22	NSW	5	bc	43	85	8	3	6	3	4-6	4-6	1500	1	*
12	Renfrew (Abbots L.)	1005.4	−6	W	4	c/pr	45	85	8	9	6	—	9	9+	1500	1	*
	Eskdalemuir ...	1006.5	−6	NSW	5	c	41	85	7	8	—	—	7-8	7-8	1500	1	*
	Point of Ayre...	1010.9	+2	WNW	6	bc	45	92	8	8	4	—	2-3	4-6	2500	0	3
13A	Tiree	1007.8	+4	NW'N	7	bc	46	75	7	8	6	—	4-6	4-6	1500	0	5
13B	Stornoway ...	1003.2		N	6	c/pr	45	92	7	8	—	—			1500	1	1
15	Dalwhinnie ...	1003.2	0	W	4	c	40	85	8	4	6	—	4-6	7-8	2500	1	*
	Aberdeen ...	999.4	0	SSW	2	c	42	75	6	5	9	—	7-8	9+	4000	0	1
	Wick ...	998.7	+18	WNW	4	c/pr	40	92	8	5	7	8	4-6	9	1500	1	2
16	Lerwick ...	996.3	+18	NNE	6	c/r	40	92	7	9	2	—	7-8	9+	800	1	*
17	Blacksod Point	1018.2	+34	NW	5	bc	47	92	8	3	—	—	4-6	4-6	1500	1	3
18	Malin Head ...	1011.5	+38	NW	5	cjp	47	75	7	9	—	4	4-6	7-8	4000	1	5
	Aldergrove ...	1012.1	+14	WNW	5	bc	44	85	8	5	—	3	2-3	4-6	1500	1	*
19	Birr Castle ...	1017.4	+10	WNW	2	bc/pr	44	92	8	8	8	—	4-6	4-6	1500	1	*
20	Valentia Obsy. †	1024.4	+20	NW'W	5	pr	48	75	8	6	—	—	9+	9+	1500	1	4
	Roches Point	1022.2	+16	WN	3	bc	50	85	8	3	—	—	2-3	2-3	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 16th Hrs. (36)
1	London (Kew)	61	47	41	Tr	0.5	3.0
	Croydon ...	61	45	43	Tr	0.3	2.8
	S. Farnborough	61	45	41	Tr	0.4	4.4
	Boscombe Down	59	41	36	0.4	0.2	5.5
	Calshot (Sthmtn.)	60	43	40	1	2	3.5
	Lympne ...	56	42	34	—	2	1.1
	Manston ...	59	44	41	Tr	0.1	1.3
2	Shoeburyness ...	63	46	41	0.1	—	3.0
	Felixstowe ...	60	46	45	1	—	3.7
	Gorleston ...	60	46	46	0.2	0.1	3.6
	Mildenhall ...	61	43	37	1	—	4.3
	Cranwell ...	57	42	40	0.3	—	5.1
3	Birmingham ...	57	44	42	—	Tr	5.4
	Upper Heyford	61	43	31	0.2	—	*
4	Ross-on-Wye	60	45	41	0.2	0.3	5.3
5	Hartland Point	53	46	44	0.3	2	4.3
	Bristol ...	58	45	42	1	0.2	5.2
	Portland Bill ...	53	46	*	—	2	*
	Plymouth ...	57	46	44	0.3	5	4.2
	The Lizard ...	55	(43)	*	Tr	3	5.0
	Scilly (St. Mary's)	57	46	*	Tr	2	6.8
	Guernsey ...	55	47	43	—	2	0.2
6	Pembroke ...	51	46	*	—	Tr	6.3
7	Holyhead ...	55	45	42	—	—	5.7
	Chester (Sealand)	56	44	39	Tr	0.1	5.8
8	Manchester ...	55	44	40	—	—	6.1
10	Spurn Head ...	55	43	*	—	—	3.6
	Catterick ...	57	43	38	—	—	3.6
	Tynemouth ...	55	44	39	—	—	10.2
11	St. Abbs Head	53	42	*	—	Tr	*
	Leuchars ...	57	39	36	—	1	11.8
12	Renfrew (Abbots L.)	52	40	39	1	3	6.0
	Eskdalemuir ...	52	39	38	0.2	4	8.7
	Point of Ayre...	56	43	*	Tr	Tr	9.4
13A	Tiree	53	42	40	Tr	1	10.0
13B	Stornoway ...	51	41	*	1	3	2.6
15	Dalwhinnie ...	49	35	32	4	13	6.4
	Aberdeen ...	58	40	31	—	—	12.5
	Wick ...	53	38	*	0.1	Tr	*
16	Lerwick ...	49	39	*	7	6	4.2
17	Blacksod Point	56	44	*	0.3	3	*
18	Malin Head ...	50	41	*	0.1	4	7.9
	Aldergrove ...	55	42	37	Tr	0.6	8.3
19	Birr Castle ...	56	42	38	—	2	7.3
20	Valentia Obsy. †	54	45	42	Tr	3	3.0
	Roches Point	56	49	*	—	0.5	*

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	cpbc	cbcy	bcybcgbc	61	47	41	Tr	0.5	3.0	*	*	8
Croydon	217	cldbc	cbcbc	bcbcgbc	61	45	43	Tr	0.3	2.8	*	*	7
Greenwich (Royal Observatory)...	149	cir	c	cbcrc	61	45	39	0.3	0.3	1.6	65	68	7
City (Sunhill Row)	—	*	*	*	*	*	*	*	*	2.7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	63	47	40	0.3		2.1	68	73	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	62	46	43	—	Tr	2.6	73	82	*
Camden Square	110	c	bc	*	63	46	42	—	0.3	*	*	65	*
Kensington	80	cpbc	bc	*	63	46	42	Tr	0.3	1.9	44 18h	71	*
Hampstead Observatory	450										*		*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
<0.3	whole period		

Kew Observatory. Max.	Time.	Min.	Time.
0.1	20-24h 16th	<0.1	4h 17th

FOREIGN OBSERVATIONS.

18h. G.M.T. 16th April

Stations	Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris					
Brussels	1013.3	W	4	rc	52
Berlin	1011.1	NSW	6	r	54
Zürich					
Rome	1013.9	WNW	3	bc	63

7h. G.M.T. 17th April

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	1020.2	SSW	3	c	50	-	48		0.5
Brussels	1017.2	W	4	rr	45	55	*	2	*
Berlin	1014.5	SW	4	bc	48	55	45	3	4
Zürich	1023.4	SW	2	c	52		50		—
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

Tuesday, 18th April, 1939.
No. 28271.

OBSERVATIONS at 13h. G.M.T. 17th 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)...	1017.4	+8	W'N	5	c	54	45	8	7	–	–	9	9	1500
	Croydon	1017.2	+4	WNW	5	c	53	55	8	9	–	–	9+	9+	4000
	S. Farnborough	1018.1	+6	W	5	c	54	55	8	8	–	–	9+	9+	4000
	Boscombe Down	1019.9	+10	W'N	6	c	52	65	7	8	7	–	4-6	7-8	2500
	Calshot (Soton.)	1019.3	+6	W'N	6	c	54	55	8	4	–	–	7-8	7-8	2500
	Lympne ...	1017.3	0	WNW	5	c	54	45	8	8	–	1	9+	9+	4000
	Manston ...	1016.1	+2	W'N	6	bc	55	45	7	8	6	–	4-6	4-6	2500
2	Shoeburyness ...	1016.2	+2	W'N	4	bc/pr	57	55	8	8	4	3	4-6	4-6	2500
	Felixstowe ...	1014.9	-2	W'N	6	bc/pr	53	45	8	8	–	3	4-6	4-6	2500
	Gorleston ...	1012.8	0	W'N	5	c	53	55	7	8	8	–	4-6	7-8	2500
	Mildenhall ...	1014.5	+4	W'S	5	c	52	55	7	8	7	–	7-8	9+	2500
	Cranwell ...	1013.5	+6	W	6	c	53	55	7	8	7	–	7-8	7-8	4000
3	Birmingham ...	1016.6	+6	W	5	pr	53	55	8	8	–	–	7-8	7-8	2500
	Upper Heyford	1017.1	+2	W'N	5	bc/pr	54	55	9	2	–	–	4-6	4-6	2500
4	Ross-on-Wye ...	1019.4	+10	WNW	5	bcq	52	65	8	2	–	–	4-6	4-6	4000
5	Hartland Point	1023.1	+14	WNW	5	c/pr	49	85	8	8	6	–	7-8	9	1500
	Bristol	1020.6	+10	W	6	bc	51	75	8	8	4	–	4-6	4-6	2500
	Portland Bill ...	1021.0	+8	W	5	c	51	92	8	5	4	–	7-8	9	2500
	Plymouth ...	1024.1	+6	NW'N	5	bc	53	55	8	8	–	–	4-6	4-6	4000
	The Lizard ...	1025.8	+8	WNW	5	bc	51	75	8	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	1026.8	+10	WNW	5	b	53	85	7	–	–	–	0	0	–
	Guernsey ...	1024.2	+16	NW'W	5	b	53	65	7	–	–	–	0	0	–
6	Pembroke ...	1023.7	+16	NNW	5	bcq	50	75	8	2	6	–	2-3	4-6	2500
7	Holyhead ...	1019.2	+34	W'N	5	bc	51	75	8	8	4	–	2-3	2-3	2500
	Chester (Sealand)	1018.0	+26	W	7	c	52	65	8	8	–	–	7-8	7-8	2500
8	Manchester ...	1015.9	+22	WNW	7	c–	49	65	7	8	–	–	9	9	2500
10	Spurn Head ...	1009.8	-10	WNW	7	c/pr	53	65	6	6	8	3	4-6	7-8	1500
	Catterick ...	1010.5	+30	NW'W	7	bc	53	65	7	3	–	3	4-6	4-6	2500
	Tynemouth ...	1009.4	+42	NW	6	bc/phr	47	75	7	9	–	–	4-6	4-6	1500
11	St. Abbs Head...	1010.8	+44	N	6	cq	46	75	9	8	6	9	2-3	7-8	1500
	Leuchars ...	1011.8	+70	NNW	5	bc	50	65	9	8	6	–	4-6	4-6	2500
12	Renfrew (Abbotsl.)	1014.5	+58	NW'W	7	bc	51	65	9	2	6	–	2-3	2-3	2500
	Eskdalemuir ...	1012.0	+50	NW'W	6	PHR	51	65	8	9	–	–	7-8	7-8	1500
	Point of Ayre ...	1017.7	+48	NNW	7	bc	51	85	8	2	–	–	2-3	2-3	4000
13A	Tiree	1019.0	+28	NNW	6	bc	50	65	8	8	–	–	4-6	4-6	1500
13B	Stornoway ...	1017.3	+56	NW	6	bc	47	65	8	5	8	–	4-6	4-6	4000
	Dalwhinnie ...	1014.1	+54	–	0	ir	40	85	8	4	2	–	2-3	10	2500
	Aberdeen ...	1011.0	+50	NNW	7	c	49	55	8	8	–	–	7-8	7-8	1500
	Wick	1011.5	+60	NNW	8	c	45	55	8	8	7	–	4-6	7-8	2500
16	Lerwick... ...	1008.2	+28	N	5	c	42	75	8	8	2	–	4-6	7-8	800
17	Blacksod Point...	1026.4	+34	W'N	4	bc	53	85	7	3	4	–	2-3	4-6	1500
18	Malin Head ...	1021.4	+48	N'W	5	bc	49	75	8	2	–	4	2-3	4-6	5700
	Aldergrove ...	1019.8	+42	N'W	6	c	51	55	8	8	–	–	9+	9+	1500
19	Birr Castle ...	1023.2	+40	WNW	4	bc/pr	52	75	8	3	8	–	2-3	4-6	1500
20	Valentia Obsy.†	1029.2	+26	N'W	5	bc	54	65	8	8	–	–	2-3	2-3	4000
	Roches Point ...	1025.8	+32	NW	5	bc	54	75	9	2	–	1	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 17th 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)	1020.8	+30	NWW	5	bc	55	45	8	8	–	–	4-6	4-6	2500	1	*
Croydon	1020.1	+22	NW'W	6	bcq	55	45	7	2	–	–	4-6	4-6	4000	1	*
S. Farnborough	1021.4	+26	WNW	5	b/pr	53	55	8	8	–	–	1	1	5700	0	*
Boscombe Down	1022.5	+20	NW	5	bc	54	55	8	8	4	–	4-6	4-6	2500	0	*
Calshot (Soton.)	1021.8	+16	NWW	6	c	55	45	7	8	–	–	7-8	7-8	2500	1	§ 2
Lympne	1019.3	+18	NW'W	4	c/pr	52	55	8	0	–	–	7-8	7-8	4000	0	2
Manston	1018.4	+12	WNW	6	cq	51	55	7	8	6	3	2-3	7-8	2500	1	*
Shoeburyness	1018.9	+26	NW	5	bcjp	53	45	8	8	4	8	4-6	4-6	2500	1	*
Felixstowe	1018.7	+40	NW	6	ir	44	92	6	9	2	–	7-8	9	800	1	4
Gorleston	1015.6	+32	NW'N	5	c/pr	47	85	7	8	–	–	9	9	2500	1	2
Mildenhall	1019.1	+40	NW'W	3	c/pr	43	92	8	5	7	–	7-8	9+	2500	1	*
Cranwell	1019.1	+50	WNW	3	roro	45	75	7	5	4	–	9	9+	1500	1	*
Birmingham	1021.1	+32	WNW	6	bc	49	55	8	7	–	–	4-6	4-6	2500	1	*
Upper Heyford	1021.3	+30	NWW	6	bcq	51	55	9	2	–	–	2-3	2-3	2500	0	*
Ross-on-Wye	1022.6	+14	NW	5	bcq	53	45	8	8	–	–	2-3	2-3	4000	0	*
Hartland Point	1026.8	+14	WNW	5	bc	49	85	8	2	4	5	1	4-6	2500	0	4
Bristol	1023.8	+14	NWW	6	bc	53	55	8	7	–	–	2-3	2-3	4000	0	*
Portland Bill	1023.8	+10	NW	5	bc	52	92	8	5	–	–	4-6	4-6	2500	1	4
Plymouth	1026.7	+22	NNW	5	b	54	55	8	7	–	–	1	1	4000	1	2
The Lizard	1028.5	+12	WNW	4	bc	51	75	8	8	6	–	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1029.1	+14	NW'N	5	bc	51	85	7	1	4	2	Tr	4-6	4000	0	3
Guernsey	1025.7	+16	*	5	bc	51	85	7	1	–	–	2-3	2-3	2500	1	4
Pembroke	1026.9	+14	N'W	4	bcq	53	65	7	7	7	–	2-3	4-6	2500	0	2
Holyhead	1024.8	+28	WNW	5	bc	50	75	8	8	–	6	1	4-6	2500	0	2
Chester (Sealand)	1021.5	+16	WNW	7	b	49	55	8	1	–	–	1	1	2500	0	*
Manchester	1021.0	+38	WNW	6	b	49	65	7	1	–	–	1	1	4000	1	*
Spurn Head	1017.8	+48	N'W	7	bcq	47	75	6	5	8	–	2-3	4-6	2500	1	4
Catterick	1019.4	+54	NW	2	c	45	85	8	8	–	–	9+	9+	1500	1	*
Tynemouth	1018.6	+54	NNW	6	bc	45	65	8	2	–	–	2-3	4-6	1500	1	2
St. Abbs Head	1017.9	+20	N	6	cq	45	65	9	8	4	–	4-6	7-8	1500	0	4
Leuchars	1020.2	+36	NW	4	bc	47	55	8	8	6	–	2-3	4-6	2500	1	*
Renfrew (Abbotsl.)	1021.9	+64	NW	5	bc	48	65	9	4	6	5	2-3	2-3	2500	1	*
Eskdalemuir	1021.0	+46	NW	4	roro	42	85	7	9	–	–	9+	9+	1500	1	*
Point of Ayre	1023.7	+38	NW'N	6	bc	48	85	8	4	–	5	Tr	2-3	4000	0	4
Tiree	1025.7	+30	NW'N	3	bc	47	75	8	2	–	5	1	2-3	4000	0	3
Stornoway	1024.1	+24	WNW	3	c	45	75	8	5	7	–	4-6	9	2500	1	2
Dalwhinnie																*
Aberdeen	1019.6	+46	NNW	6	phr	43	85	8	8	–	–	7-8	7-8	1500	1	3
Wick	1019.9	+42	NNW	8	c	43	55	8	5	7	–	4-6	7-8	1500	1	3
Lerwick	1016.5	+30	NNW	5	c	40	75	8	8	7	–	4-6	7-8	1500	1	*
Blacksod Point	1030.1	+28	W'N	3	bc	51	92	7	2	–	–	2-3	2-3	2500	0	3
Malin Head	1026.8	+24	N'W	2	c/pr	47	85	8	8	–	9	4-6	7-8	5700	0	4
Aldergrove	1026.1	+34	N	4	c	49	65	9	8	–	–	9	9	1500	1	*
Birr Castle	1028.2	+34	WNW	4	bc	55	65	8	4	–	–	4-6	4-6	2500	1	*
Valentia Obsy.†	1032.2	+14	NNW	3	bc	51	75	8	2	4	–	2-3	4-6	1500	1	3
Roches Point	1030.1	+30	NNW	5	bc	53	75	9	1	–	1	2-3	2-3	4000	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 17th (37)	13h.—18h. 17th (38)	18h. 17th to 1h. 18th (39)	1h.—7h. 18th (40)
London (Kew)	cbccy	cprocbcy	bcycy	crobcbcz
Croydon	cproc	cyproq	czcirororo	crocbc
S. Farnborough	cbccy	cproby	bbcc	cirobcb
Boscombe Down	bcprobc	bcbcy	bcybcb	bcc
Calshot (Soton.)	cbcc	cbcy	cybcb	bybccbc
Lympne	cbccy	cbcytproq	cpropr	cbcw
Manston	cphry	cqpry	qprocbc	cprobc
Shoeburyness	bcpocpo	cq PHR	cprbc	bcb
Felixstowe	cbcycpro	prtlr	ciromo,b	ccprc
Gorleston	pbroq	cphroq	cbcbq	bcprq
Mildenhall	bcc	cqprpyRmo	ccprcbc	bcmo
Cranwell	b, crocy	cytr roro	rorobcrocmo	bmobc
Birmingham	cpro	probc	bc	bccm
Upper Heyford	cprobcc	bcqy	bqb	bcmo
Ross-on-Wye	bcqcq	bcqy	by	bcc
Hartland Point	cbccp	cbc	bccbcb	bbc
Bristol	bccpotc	bcqy	bcyb	bbcc
Portland Bill	c	cpr	b	bc
Plymouth	bccprcho	ybcbq	b	bbc
The Lizard	cbc	bc	bcw	bcw
Scilly (St. Mary's)	bcb	bbc	bcb	bw
Guernsey	cbcb	bbc	bcbw	bwbcc
Pembroke	bccprq	bcq	bcbq	bc
Holyhead	bcqb	bbc ⊕	bcbw	bbc ⊕
Chester (Sealand)	cbcpro	bcc,by	bcbzo	bw
Manchester	czoprc	cbc	bbccproc	cbxbcmo
Spurn Head	cqpro	PRtl	cq	cqpro
Catterick	cpsopr	tlr	phrqpro	bwbcw
Tynemouth	bcprhq	bcq	bc	bc
St. Abbs Head	cq	bccq	bcqb	bqbc
Leuchars	proqbcv	bcrbcv	bcybwx	bcxbc
Renfrew (Abbotsl.)	cprobc	bbc	bcb	bbccw
Eskdalemuir	bcir	PRcroro	robcbx ♔	bxbc
Point of Ayre	bccbc	bc	b	bw
Tiree	bcpro	bc	bc	bcc
Stornoway	cbcprq	c	cb	b,ciro
Dalwhinnie	cJR			ciro
Aberdeen	rcpro	cpho	cprobw	bwcb
Wick	cproy	cproc	cbc	bcdoc
Lerwick	cirq	cprph	c	cpr
Blacksod Point	probc	bc	bc	bc
Malin Head	cbc	cbcc	cbcbcc	cbcprobc
Aldergrove	cproc	c	c,b	bwxc
Birr Castle	bcpro	probc	bcb	bcx
Valentia Obsy.	procbc	bc	cbcbw	bwbc
Roches Point	cprobc	bc	bc	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.*

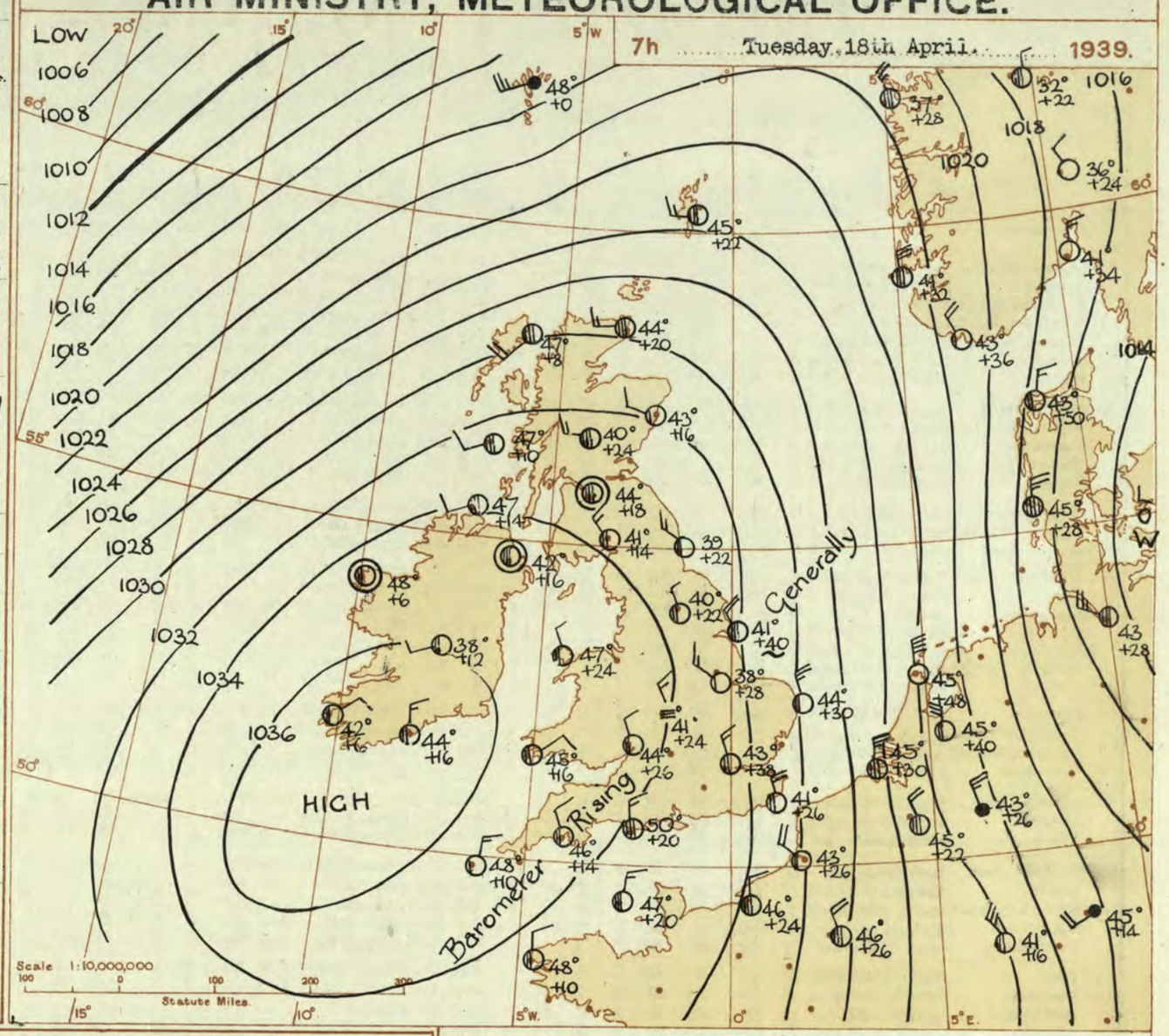
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 17th, April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	cbc	copbc	41	55	2	1	6·4	2·5
	Bournemouth	b	bbcb	44	57	2	–	8·4	4·5
	Ventnor ...	rbpb	b	44	57	3	Tr	9·9	2·4
	Southsea ...	cpbc	bcb	45	56	3	–	10·0	4·1
	Bognor Regis	bc	bcprb	46	57	3	Tr	9·2	3·9
	Littlehampton	bc	bcpbc	45	58	3	0·1	8·7	4·3
	Worthing ...	bc	bcpb	44	57	3	Tr	9·3	1·7
	Brighton ...	b	bcpcb	46	57	4	0·5	8·2	0·5
	Eastbourne† ...	bcb	bypbc	46	57	5	0·4	8·4	0·0
	Hastings† ...	cbc	bcpbc	44	57	3	Tr.	8·3	0·0
	Folkestone ...	cbcc	ctlrc	43	58	1	Tr.	7·1	0·9
	Dover ...	bccpc	ctlrc	46	59	1	0·5	7·0	0·8
	Deal	bc	bccp	45	58	Tr	Tr	6·0	2·4
	Ramsgate ...	cp	cpbcc	45	57	Tr	1	6·2	1·1
	Margate ...	bccbc	bcpbc	44	56	–	Tr	7·2	1·9
2	Southend ...	cbcc	cpbc	45	58	–	1	5·6	2·4
	Clacton-on-Sea	cbc	bcpy	46	56	–	0·4	5·5	3·4
	Dovercourt ...	bc	bcpq	46	56	–	Tr	5·8	3·9
	Lowestoft ...	cp	bc	46	56	1	2	3·4	3·3
	Skegness ...	bc	ctlrc	42	54	–	4	3·4	2·6
	Mablethorpe..	bco	bcrtlbc	42	55	–	3	3·1	2·6
	Cleethorpes ...	bc	bctlR	43	55	–	2	3·0	4·1
3	Leamington S.	cp	bcp	45	56	Tr	Tr	7·5	4·7
4	Cheltenham†	c	bccp	44	56	0·5	Tr	4·7	6·7
5	Bath	bccpo	bcb	47	57	Tr	Tr	6·6	5·7
	Weymouth ...	cbbc	bcb	46	56	4	–	8·2	3·6
	Jersey ...	pcbc	bbc	47	54	2	–	9·9	0·0
	Torquay ...	bvq	bcbyq	46	55	3	–	10·5	6·4
	Falmouth ...	b	b	45	55	3	–	11·1	6·1
	Penzance ...	bqb	bqb	47	56	3	–	10·8	6·2
	St. Ives ...								
	Bude... ...	bcc	cbc	46	55	3	–	6·6	4·8
	Ilfracombe ...	pcbc	cbc	47	53	1	–	5·2	3·2
6	Aberystwyth	cbcc	bc	46	52	–	–	5·8	6·9
7	Llandudno ...	cbc	bcb	45	52	0·4	–	6·6	5·8
	Colwyn Bay...	cpcb	bcb	44	53	1	–	4·8	3·5
	Rhyl	cbc	bc	45	51	Tr.	–	6·4	4·4
8	Wallasey ...	bcc	cbcb	45	52	–	–	7·7	6·4
	Southport ...	bcgcpog	bcqbq	44	55	0·1	Tr	7·8	5·5
	Blackpool ...	cp	bbcb	45	51	0·3	Tr	7·3	6·9
	Morecambe ...	bcpq	bcc	45	52	0·5	0·3	7·5	9·0
9	Ilkley... ...	cp	bcp	42	55	2	1	6·8	10·1
	Harrogate ...	cbq	cbqP	43	54	–	2	6·7	7·8
10	Berwick-on-T.	cpobc	bcc	42	52	–	Tr	6·9	12·6
11	Dunbar ...	cmor.	bcpr.	40	61	0·3	0·5	4·5	11·8
12	Troon... ...	cbco	bcopc	44	61	0·5	Tr.	8·9	6·7
	Douglas ...	bq	bq	42	50	0·5	–	9·6	9·5

† 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 April, 1939.
1 S.E. England	Light north wind becoming variable; fine; average day temperature; ground frost at night.
2 E. England ...	Moderate north wind decreasing; local showers at first, becoming fine; cool, ground frost at night.
3 E. Midlands ...	
4 W. Midlands...	
5 S.W. England	As 1.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light southwest wind; fine; average day temperature; ground frost at night.
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.	Moderate southwest wind; bright intervals, local showers; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	As 8 - 13A.
18 N. E. Ireland	
19 S.E. Ireland	
20 S. W Ireland	

GENERAL INFERENCE.

A large anticyclone centred off Southwest Ireland covers the British Isles. Weather will be fair or fine in most districts.

FURTHER OUTLOOK.

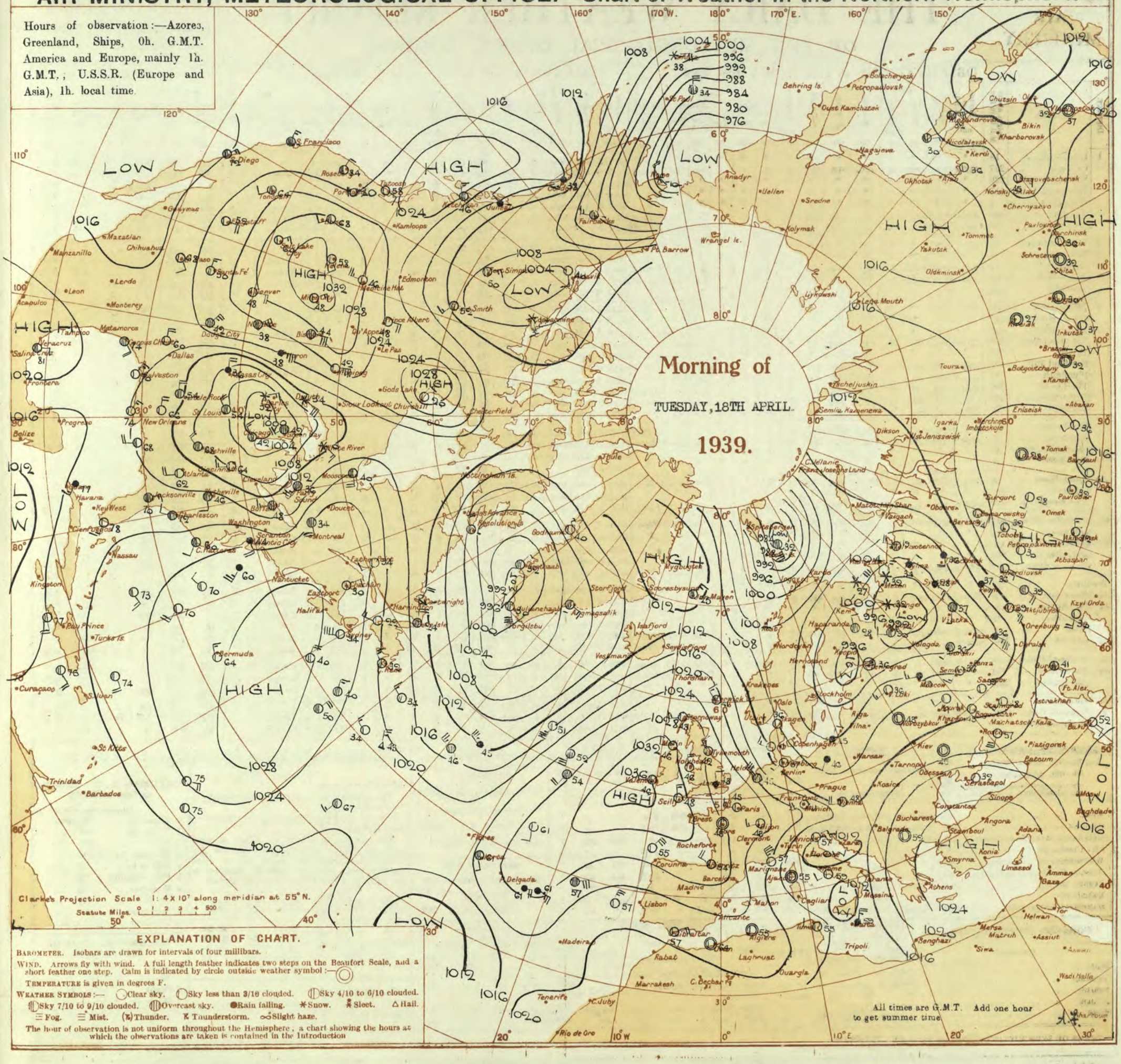
Fair for a day or two over a large part of the British Isles; becoming warmer.

Forecasts issued at 1000 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G.465. 3670 #. 8109. D.4626. Gp.948. 35400 6/39.

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

Tuesday, 18th April, 1939.
No. 28271.

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

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	1027·2	+22	NNW	2	r₀r₀	43	85	7	5	-	-	10	10	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·9	+20	NW	2	c	41	85	8	5	-	-	10	10	5700
	Manston ...	154	1025·9	+20	NW	4	bc	44	75	7	5	-	-	4-6	4-6	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1023·9	+14	NNW	5	bc	44	75	7	8	-	-	2-3	2-3	2500
	Mildenhall ...	19	1026·4	+22	NW'W	3	bc	43	75	7	5	-	-	4-6	4-6	2500
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1031·4	+18	N	3	b	48	75	8	-	-	-	0	0	-
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1028·6	+8	NNW	3	b	49	85	8	-	-	-	0	0	-
	Plymouth ...	82	1031·2	+14	N'W	3	b	48	75	7	-	-	-	0	0	-
	The Lizard ...	240	1032·7	+12	NW	2	bc	46	92	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1033·2	+16	NNW	3	b	48	92	8	-	-	-	0	0	-
	Guernsey ...	175	1030·0	+8	NW	3	b	48	92	7	-	-	-	0	0	-
6	Pembroke ...	142	1032·2	+16	N	3	bq	47	85	7	5	-	-	1	1	2500
7	Holyhead ...	26	1030·9	+14	NW'N	3	b	46	86	8	1	-	-	Tr	Tr	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1026·2	+34	NNW	6	bcq	43	75	7	8	-	-	4-6	4-6	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1028·2	+30	NW	3	bc	42	65	7	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1027·5	+18	NNW	3	b	41	75	8	4	-	-	Tr	Tr	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1030·0	+30	N	5	b	45	92	8	-	4	-	0	Tr	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·8	+10	WSW	3	b	43	92	8	5	-	-	1	1	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1026·5	+16	WSW	3	bc	39	86	8	5	7	-	2-3	4-6	1500
16	Lerwick ...	156	1022·5	+6	NW	3	c	41	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1033·6	+10	-	0	c	46	92	8	5	-	-	7-8	7-8	1500
18	Malin Head ...	84	1031·6	+10	W	2	c	46	92	7	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1035·0	+6	W	1	bc	46	97	8	5	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th April — 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 17th Hrs. (36)
London (Kew)	1033·2	+28	NNW	4	b	43	65	6	-	-	1	0	1	-	1	*	57	41	34	Tr	0·2	8·0
Croydon	1032·4	+38	N'W	3	bc	43	65	7	1	4	-	1	2-3	4000	1	*	58	41	38	0·2	0·2	7·1
S. Farnborough	1033·2	+26	NNW	3	b	42	75	8	-	3	8	0	1	-	1	*	57	40	35	Tr	Tr	9·3
Boscombe Down	1034·4	+30	N'W	3	c	41	85	7	-	3	6	0	7-8	-	0	*	54	38	36	Tr	-	9·5
Calshot (Sthmtn.)	1032·8	+30	N'W	4	bc	45	85	6	4	4	-	2-3	4-6	4000	1	§1	56	43	40	-	-	10·6
Lympne	1031·4	+26	NNW	4	bc	41	75	8	8	-	-	4-6	4-6	2500	0	3	56	39	35	0·1	0·2	8·0
Manston	1030·8	+30	NNW	5	bc/pr	43	75	7	8	6	-	4-6	4-6	1500	1	*	56	41	38	1	0·4	7·2
Shoeburyness	1031·3	+28	NNW	4	b	43	75	7	-	4	-	0	1	-	1	*	58	39	34	1	2	6·2
Felixstowe	1030·8	+34	NNW	5	c/pr	42	85	7	8	3	2	4-6	9	1500	1	3	55	40	37	3	1	5·0
Gorleston	1029·2	+30	N'W	5	bc/pr	44	75	6	8	-	-	4-6	4-6	2500	1	3	56	41	39	1	0·3	3·3
Mildenhall	1031·8	+10	NW	3	bc	40	85	7	5	3	-	4-6	4-6	2500	1	*	58	36	31	6	2	4·9
Cranwell	1032·4	+28	WNW	3	z₀	38	75	6	-	-	6	0	1	-	1	*	55	36	31	2	1	5·1
Birmingham	1033·9	+24	NNW	3	m	41	75	4	-	-	8	0	9	-	1	*	54	37	33	0·2	-	10·0
Upper Heyford	1033·7	+30	NNW	3	bc	41	65	7	-	-	5	0	2-3	-	0	*	55	37	29	Tr	-	*
Ross-on-Wye	1034·3	+26	N'W	2	bc	44	75	8	5	-	2	1	4-6	2500	0	*	55	40	31	-	-	8·3
Hartland Point	1034·2	+18	NE	3	bc	46	85	8	1	4	6	2-3	4-6	1500	0	3	50	45	43	0·2	-	9·6
Bristol	1034·5	+26	N'W	3	c	43	75	7	4	4	8	1	7-8	2500	0	*	56	41	34	Tr	-	8·9
Portland Bill	1032·6	+20	N	3	c	50	85	8	5	-	-	7-8	7-8	2500	1	3	52	46	*	Tr	-	*
Plymouth	1034·3	+20	NNW	3	bc	47	85	8	-	9	-	0	4-6	-	1	1	54	43	31	0·1	-	10·8
The Lizard	1034·8	+14	NNW	2	bc	46	92	8	7	-	-	2-3	2-3	4000	1	2	53	41	*	-	-	12·2
Scilly (St. Mary's)	1034·9	+10	NNE	3	b	48	92	8	4	-	-	1	1	4000	0	2	54	45	*	-	-	12·4
Guernsey	1032·9	+20	NNE	3	c	47	75	7	1	4	8	2-3	9	4000	1	3	54	47	39	-	-	12·2
Pembroke	1035·3	+16	NE'E	2	bc	45	92	7	1	7	1	2-3	4-6	2500	1	2	54	43	*	Tr	-	10·7
Holyhead	1035·0	+24	NNW	1	bc	47	85	8	1	4	1	Tr	4-6	2500	0	2	52	44	39	-	-	8·9
Chester (Sealand)	1035·1	+28	W'N	1	bc	40	92	7	-	8	9	0	2-3	-	0	*	53	38	30	-	-	10·5
Manchester	1034·1	+32	-	0	m	36	85	4	-	-	2	0	7-8	-	1	*	52	32	23	0·5	Tr	8·0
Spurn Head	1031·7	+40	NW	4	c/pr	41	85	6	5	8	1	4-6	7-8	2500	1	4	53	40	*	2	Tr	3·6
Catterick	1033·4	+22	NNW	1	c	40	65	8	-	-	8	0	7-8	-	1	*	54	33	27	3	2	6·3
Tynemouth	1032·2	+22	WNW	3	bc	39	65	6	2	-	2	2-3	4-6	2500	0	2	54	37	33	1	-	9·5
St. Abbs Head	1031·8	+12	NW	3	bc	44	65	9	7	6	1	2-3	4-6	2500	0	3	48	39	*	-	-	*
Leuchars	1032·0	+20	WSW	2	c	41	65	9	4	4	6	Tr	7-8	4000	1	*	53	33	23	Tr	-	6·3
Renfrew (Abbots I.)	1033·4	+18	-	0	c	44	85	7	4	7	-	7-8	9	4000	0	*	54	35	31	0·1	-	10·0
Eskdalemuir	1033·0	+14	NW	3	bc	41	65	8	1	-	6	Tr	4-6	2500	1	*	51	29	25	4	Tr	5·3
Point of Ayre	1034·5	+22	W'N	2	b	45	97	8	4	-	5	Tr	1	1500	1	1	51	40	*	-	-	9·7
Tiree	1031·9	+10	WSW	2	c	47	85	7	5	3	-	2-3	7-8	4000	0	2	50	38	35	Tr	-	11·1
Stornoway	1029·4	+8	SW	4	c	47	92	7	5	5	6	2-3	7-8	2500	1	2	48	40	*	1	0·1	9·3
Dalwhinnie	1032·5	+24	W	3	c	40	85	8	4	2	-	2-3	10	2500	0	*		28	18		Tr	3·0
Aberdeen	1030·4	+16	W'N	2	b	43	75	7	-	4	9	0	1	-	0	1	49	35	31	0·6	Tr	5·6
Wick	1028·6	+20	W	3	c/d	44	85	7	5	2	-	7-8	10	1500	1	1	46	37	*	0·1	Tr	*
Lerwick	1029·7	+22	W	3	c	45	85	8	5	7	-	2-3	9	800	1	*	45	36	*	0·5	0·1	5·6
Blacksod Point	1034·7	+6	-	0	bc	48	92	8	2	-	3	2-3	4-6	2500	0	2	54	43	*	0·1	-	*
Malin Head	1033·9	+14	W'S	2	c	47	92	8	5	9	9	Tr	7-8	5700	0	3	(49)	44	*	0·1	Tr	9·7
Aldergrove	1034·7	+16	-	0	c	42	97	8	5	3	-	9	9	4000	1	*	52	35	29	0·2	-	5·1
Birr Castle	1035·4	+12	WSW	1	bc	38	97	7	-	3	-	0	4-6	-	1	*	57	36	29	1	-	10·1
Valentia Obsy. †	1036·3	+6	NE	2	bc	42	92	8	1	4	2	Tr	2-3	2500	1	3	55	39	35	Tr	Tr	8·5
Roches Point	1036·7	+16	N	3	bc	44	97	7	5	-	-	4-6	4-6	1500	1	2	56	44	*	0·1	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	cbccy	cpcbcy	bcycr₀bcz	57	41	34	Tr	0·2	8·0	•	•	7
Croydon	217	cpr₀c	cyprq	cz₀cr₀cbc	58.	41	38	0·2	0·2	7·1	•	•	7
Greenwich (Royal Observatory)	149	q	cp₀chcy	cbrcb	58	40	34	0·3	0·3	4·6	45	56	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	6·0	•	•	•
Westminster (St. James' Park)	27	•	•	•	59	42	36	Tr		5·4	49	61	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	56	43	35	Tr	-	5·3	62	66	•
Camden Square	110	bc	bc	•	58	42	35	0·3	-	x	•	48	•
Kensington	80	bc	bc	•	58	41	30	Tr	Tr	5·1	At 18h 42	58	•
Hampstead Observatory	450	bcpl	bc	bc	56	38	32	0·2	-	5·8	•	61	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 18th

South Kensington.

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

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	6h 18th	<0·1	1-5h 18th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 18th April 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	1022·6	WNW	4	b	54	1029·1	NNW	4	c	46	57	43	4	-
Brussels	1016·7	WNW	4	c	50	1025·6	NNW	4	c	45	55	41	3	2
Berlin														
Zürich	1019·9	WNW	5	ir	46	1021·5	W	1	bcjp	43	66	41	0·2	3
Rome	1015·8	WSW	2	b	63	1011·8	SE	3	bc	57	*	*	*	*

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	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, 19th April 1939.

No. 28272.

OBSERVATIONS at 13h. G.M.T. 18th 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)	Cloud. Amount Low 0–10 (12)	Cloud. Amount Total 0–10 (13)	Cloud. Height of Base (feet) (14)
1	London (Kew)	1035·5	+4	NNE	4	bc	51	55	8	8	-	1	4·6	4·6	2500
	Croydon	1034·5	+6	N	4	bc	52	55	7	2	-	1	4·6	4·6	4000
	S. Farnborough	1035·2	+6	NE'N	3	bc	55	45	8	1	-	1	2·3	4·6	4000
	Boscombe Down	1035·8	+2	N'E	4	bc	53	45	8	5	-	8	Tr	2·3	4000
	Calshot (Soton.)	1035·3	+6	N'W	4	bc	55	45	8	1	-	8	Tr	2·3	2500
	Lympne	1034·5	+14	N'E	5	c	48	55	9	4	-	-	9	9	2500
	Manston	1034·3	+14	NNE	5	c	49	55	7	8	6	-	7·8	9	4000
2	Shoeburyness	1034·5	+10	N	5	bc	51	55	8	8	-	-	4·6	4·6	2500
	Felixstowe	1034·1	+14	N	5	c	52	55	8	8	-	-	7·8	7·8	1500
	Gorleston	1033·7	+18	N'E	5	bc	49	55	7	8	-	5	4·6	4·6	2500
	Mildenhall	1035·0	+12	N'W	4	bc	51	55	8	1	-	-	2·3	2·3	4000
	Cranwell	1034·8	+2	N	2	c	54	45	7	1	-	9	1	9	4000
3	Birmingham	1035·4	0	NNW	2	z_o	54	45	6	-	-	1	0	Tr	-
	Upper Heyford	1035·5	+6	N	3	z_o	53	45	6	1	-	1	Tr	Tr	4000
4	Ross-on-Wye	1035·6	0	N'W	3	b	56	45	8	1	-	1	Tr	1	5700
5	Hartland Point	1036·9	+10	NNE	2	bc	48	75	8	1	-	3	Tr	2·3	2500
	Bristol	1035·9	+2	N'W	3	bc	54	45	7	-	-	8	0	2·3	-
	Portland Bill	1035·2	+10	W	3	bc	55	85	8	1	-	-	2·3	2·3	2500
	Plymouth	1036·3	+8	SW	3	bc	53	65	8	1	-	2	Tr	4·6	4000
	The Lizard	1037·3	+4	ESE	2	bc	54	65	8	8	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	1036·8	+6	NE	2	bc	54	85	8	1	-	4	Tr	2·3	4000
	Guernsey	1035·3	+10	ENE	3	bc	51	75	7	1	-	8	Tr	2·3	2500
6	Pembroke	1037·2	+4	NW	1	bc	53	75	8	1	4	2	1	2·3	2500
7	Holyhead	1036·5	+2	WNW	2	c	50	85	8	2	-	2	Tr	9	2500
	Chester (Sealand)	1036·4	+6	NW	4	bc	53	45	9	1	-	2	Tr	2·3	2500
8	Manchester	1035·4	+2	NNW	4	bc	54	55	8	1	-	8	2·3	4·6	4000
10	Spurn Head	1035·4	+10	NE'N	3	bc	51	55	8	-	-	6	0	4·6	-
	Catterick	1034·1	+2	NNW	2	c	56	55	8	1	5	9	1	7·8	2500
	Tynemouth	1033·7	+6	E	3	bc	51	65	7	2	3	1	4·6	4·6	1500
11	St. Abbs Head	1032·9	+4	WNW	2	bc	51	65	7	7	4	-	2·3	4·6	2500
	Leuchars	1032·6	-2	W	4	bc	57	55	9	1	7	-	2·3	4·6	4000
12	Renfrew (Abbotsl.)	1034·3	+10	W'N	3	c	53	65	8	4	6	-	9	9+	2500
	Eskdalemuir	1033·0	0	W'N	3	c	53	55	8	7	-	1	7·8	7·8	2500
	Point of Ayre	1036·2	+10	WNW	3	c	56	75	8	1	4	2	Tr	7·8	4000
13A	Tiree	1033·1	+2	SW'S	4	c	51	75	8	5	-	-	9	9	2500
13B	Stornoway	1030·0	0	SW	5	c/pr	50	75	7	5	7	-	7·8	10	1500
15	Dalwhinnie	1033·9	+6	SSW	2	c	48	65	8	4	6	-	4·6	10	2500
	Aberdeen	1031·4	+2	NNW	2	c	55	55	8	1	3	-	4·6	7·8	4000
	Wick	1029·8	+4	W	3	c	54	65	8	5	7	1	7·8	9	1500
16	Lerwick	1025·9	+6	W	5	c	50	75	8	5	7	-	4·6	7·8	1500
17	Blacksod Point	1035·6	+6	S	3	c	52	85	8	5	-	-	10	10	1500
18	Malin Head	1035·1	+4	W	3	c	51	75	8	-	9	-	0	7·8	-
	Aldergrove	1035·6	+4	WNW	2	c	56	55	8	7	-	8	7·8	9	4000
19	Birr Castle	1036·3	+6	W'S	1	c	56	65	8	4	-	-	7·8	7·8	1500
20	Valentia Obsy.†	1037·3	+6	SSW	3	b	56	65	8	1	-	-	1	1	4000
	Roches Point	1037·8	+6	S	2	bc	54	75	8	7	-	3	2·3	2·3	2500

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

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)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1036·1	+6	N'E	3	c	54	45	6	-	-	4	0	7·8	-	0	*
	Croydon	1035·2	+6	NE	3	z_o	52	65	6	-	-	2	0	7·8	-	1	*
	S. Farnborough	1035·5	+4	NE'N	2	bc	55	45	8	-	-	6	0	2·3	-	0	*
	Boscombe Down	1035·8	+4	N	1	z_o	54	45	7	-	-	8	0	2·3	-	0	*
	Calshot (Soton.)	1034	+4	N'E	3	b	57	45	7	1	-	-	Tr	Tr	5700	0	1
	Lympne	1036·2	+16	NNE	3	b	45	75	8	4	-	9	Tr	1	4000	0	2
	Manston	1035·9	+12	NE	4	b	45	75	7	-	-	1	0	Tr	-	1	*
2	Shoeburyness	1035·8	+10	NE	3	bc	47	75	8	4	-	2	Tr	2·3	5700	1	*
	Felixstowe	1035·8	+10	N'E	3	b	50	55	8	1	-	1	Tr	1	4000	0	2
	Gorleston	1035·2	+12	N'E	3	bc	48	65	7	-	4	-	0	2·3	-	1	2
	Mildenhall	1035·3	+2	NNE	1	b	51	55	8	-	-	1	0	1	-	1	*
	Cranwell	1035·1	+4	SE'E	2	c	49	65	7	-	4	9	0	7·8	-	0	*
3	Birmingham	1035·8	+2	NNW	3	z_o	53	45	6	-	-	1	0	1	-	1	*
	Upper Heyford	1035·2	0	NNW	1	bc	54	45	7	5	-	-	4·6	4·6	4000	0	*
4	Ross-on-Wye	1035·4	0	NW	2	b	58	45	8	4	-	1	Tr	1	4000	0	*
5	Hartland Point	1036·6	0	-	0	bc	48	75	8	1	-	5	Tr	4·6	2500	0	2
	Bristol	1036·1	+2	WNW	3	bc	55	55	8	-	-	8	0	2·3	-	0	*
	Portland Bill	1035·3	+6	NW	3	bc	52	85	8	1	-	-	4·6	4·6	2500	1	3
	Plymouth	1036·4	-2	SW	2	bc	52	75	7	1	-	1	Tr	2·3	4000	0	1
	The Lizard	1037·1	0	-	0	bc	51	65	8	7	-	-	4·6	4·6	4000	1	2
	Scilly (St. Mary's)	1037·0	+2	NE'N	2	bc	50	85	8	-	4	4	0	4·6	-	0	2
	Guernsey	1035·7	+2	N'W	1	b	49	75	7	-	1	-	0	Tr	-	0	2
6	Pembroke	1037·9	0	N'W	1	bc	51	65	8	5	7	2	1	4·6	2500	0	1
7	Holyhead	1036·6	0	SSW	2	bc	51	75	9	1	-	2	Tr	4·6	4000	0	0
	Chester (Sealand)	1037·0	+4	NW	3	bc	50	75	8	-	-	6	0	4·6	-	0	*
8	Manchester	1036·2	+6	WNW	3	bc	51	75	7	1	-	1	Tr	2·3	4000	1	*
10	Spurn Head	1035·9	+4	E'S	1	bc	46	75	8	-	-	8	0	2·3	-	0	2
	Catterick	1034·7	+16	NW	3	c	56	55	8	2	3	5	2·3	7·8	2500	1	*
	Tynemouth	1033·8	+4	WNW	3	c	54	65	6	8	3	1	4·6	7·8	1500	0	2
11	St. Abbs Head	1033·3	+6	WNW	4	c	53	55	6	4	3	2	4·6	7·8	2500	0	2
	Leuchars	1032·7	+2	W	4	c	54	65	8	4	4	6	1	7·8	4000	0	*
12	Renfrew (Abbotsl.)	1034·7	0	W'N	3	bc	52	65	8	4	6	5	2·3	4·6	2500	1	*
	Eskdalemuir	1034·3	+2	W'N	3	bc	51	55	8	5	-	6	2·3	4·6	1500	1	*
	Point of Ayre	1035·9	0	W'N	3	bc	55	65	8	-	-	6	0	2·3	-	0	1
13A	Tiree	1033·1	0	SW'S	4	c	49	85	8	5	-	-	9+	9+	2500	0	3
13B	Stornoway	1030·1	0	SW	5	c	49	75	7	5	7	-	4·6	9+	2500	1	3
15	Dalwhinnie	*	+4	W	4	c	46	75	8	4	6	-	4·6	10	2500	0	*
	Aberdeen	1031·5	-2	S'W	2	c	54	55	6	4	-	1	7·8	7·8	4000	0	1
	Wick	1029·9	+2	W	3	c	51	75	8	8	7	2	4·6	9	1500	1	1
16	Lerwick	1026·1	0	SWW	5	c	47	85	8	8	9	-	7·8	9	800	1	*
17	Blacksod Point	1034·7	-4	SW	3	bc	51	85	8	2	-	-	4·6	4·6	4000	0	2
18	Malin Head	1034·8	-2	W	3	c	49	75	8	5	-	9	2·3	7·8	5700	0	2
	Aldergrove	1034·9	-4	WNW	1	c	53	75	9	5	-	-	9+	9+	4000	1	*
19	Birr Castle	1035·6	-6	W'N	1	bc	58	65	7	5	4	-	2·3	2·3	2500	1	*
20	Valentia Obsy.†	1036·6	-2	SSW	3	bc	54	75	8	2	-	1	2·3	2·3	2500	0	2
	Roches Point	1037·2	-4	SW	2	b	52	85	8	-	-	1	0	1	-	0	2

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 18th (37)	Weather. 13h.—18h. 18th (38)	Weather. 18h. 18th to 1h. 19th (39)	Weather. 1h.—7h. 19th (40)
London (Kew)	bz$_o$bcy	bcy	bcbz$_o$	bm$_o$xbm$_o$
Croydon	cz$_o$⊕bcy	bcyz$_o$	cz$_o$bm$_o$	bm$_o$w
S. Farnborough	bbcy	bcby	bcz$_o$m$_o$	bmxfm$_o$
Boscombe Down	bybcy	bcbbcz$_o$	bbcmbm$_o$	bbcbm$_o$
Calshot (Soton.)	bcby	cbcby	bybm$_o$bm$_o$jf	bmbbmjf
Lympne	bccpr$_o$	cvyb	bbw	bbcbw
Manston	bccpr$_o$y	cb	bbw	bwx
Shoeburyness	b,cbc	bcy	bcbw	bwmx
Felixstowe	cpr$_o$cv	cybcby	byb	bxbm$_o$
Gorleston	cp$_o$bcy q	bcpr$_o$y	bcb	b,
Mildenhall	bcy	bcyby	bybbw	bwbm$_o$x
Cranwell	bbcy	cbcby	bcb	bbfm
Birmingham	cbz	bz	bz	bmx
Upper Heyford	bcbcz$_o$	bzbcy	bcbz$_o$	bm$_o$w
Ross-on-Wye	bcby	by	bvb	bm$_o$wx
Hartland Point	bc	bccbc	bcb	b
Bristol	cbcy	bcby	bym$_o$w	bm$_o$x
Portland Bill	cbc	bc	bc	bcb
Plymouth	bcybc	bc	bm$_o$	bmx
The Lizard	bc	bc	bcb	bbcw
Scilly (St. Mary's)	bcc	bc	bcbw	bwx
Guernsey	cbc	bcb	bw	bw
Pembroke	bc	bc	bw	bw
Holyhead	bcc⊕	c,bc	bcwb	bw
Chester (Sealand)	bwbcy⊕	bcy	bcbm$_o$w	bm$_o$wfe
Manchester	bcmmbcy	bcy	bcbm$_o$	bm$_o$bffx
Spurn Head	cbbc	cbc	bw	bmxc
Catterick	bcycy	bcycy	eybcb	bwbcw
Tynemouth	bc	bcc	cbc	bccm
St. Abbs Head	cbc	cm$_o$y	bcc	c
Leuchars	bccbcy	bccyc	cbwbc	bwbc
Renfrew (Abbotsl.)	cwpr$_o$c	cbc	c	c
Eskdalemuir	bc	bcc	cbc	bccm
Point of Ayre	bccbc	bcy⊕	bcybc	bcw
Tiree	bbc	cbc	bccbc	bbcc
Stornoway	c	c	c	c
Dalwhinnie	cpr$_o$	cpr$_o$	cbc	bcc
Aberdeen	c	c	c	c
Wick	bcpr$_o$y	bcyc	bcbxz$_o$	bxcz$_o$
Lerwick	c	c	c	c
Blacksod Point	cir	c	cpr$_o$	c
Malin Head	c	cbc	c	c
Aldergrove	bcc	cbcc	cbc	cbcc
Birr Castle	cbccy	cybcc	cbccw	cbw
Valentia Obsy.†	bcc	cbc	bcb	bx
Roches Point	bcb	bbc	bcbw	bwbc
	bc	bcb	bw	bwcffe

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.
b(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.*

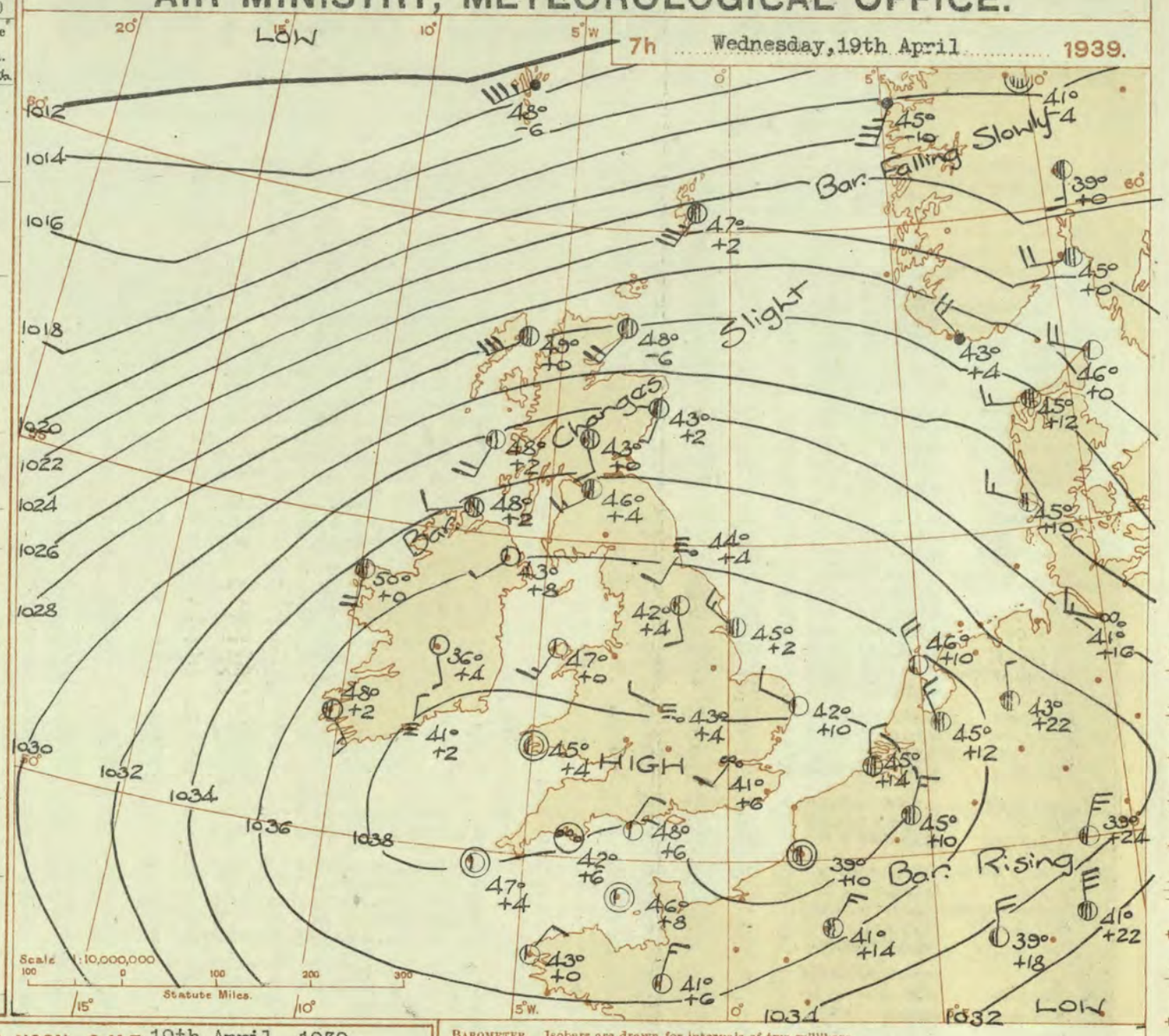
§ Fog disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 18th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	bcb	bcb	40	54	–	–	10·9	7·4
	Bournemouth	b	b	41	60	–	–	10·9	9·3
	Ventnor ...	pcb	b	42	59	Trace	–	10·2	11·2
	Southsea ...	b	b	43	59	–	–	10·5	10·9
	Bognor Regis	b	b	42	56	–	–	10·9	10·4
	Littlehampton	bc	bc	41	57	–	–	11·0	9·9
	Worthing ...	b	b	41	55	–	–	11·4	10·6
	Brighton ...	b	cb	42	57	–	–	10·6	9·0
	Eastbourne†...	by	byb	42	56	–	–	11·6	9·0
	Hastings† ...	bbc	bc	41	54	Trace	–	10·7	9·5
	Folkestone ...	cpc	bcb	41	53	0·3	Trace	8·9	7·7
	Dover ...	bc	bc	42	52	0·3	–	9·4	7·7
	Deal	bbcb	b	42	52	–	–	10·0	6·2
	Ramsgate ...	bcp	bc	41	49	0·2	Trace	9·6	6·8
	Margate ...	bc	bc	42	48	1	–	9·4	7·9
2	Southend ...	cbcb	bbc	39	54	2	–	10·0	6·6
	Clacton-on-Sea	bc	bcy	39	53	3	–	8·2	5·7
	Dovercourt ...	bcpbc	bcy	40	52	3	–	9·2	5·8
	Lowestoft ...	cbcb	b	40	50	0·3	–	9·6	4·5
	Skegness ...	ocbc	b	38	50	–	–	9·3	4·2
	Mablethorpe...	bcyb	b	37	51	Trace	–	9·3	4·3
	Cleethorpes ...	bcb	b	39	53	–	–	10·0	3·5
3	Leamington S.	b	bz	38	58	–	–	11·2	8·4
4	Cheltenham†	by	by	38	59	–	–	10·7	5·3
5	Bath	b	b	39	58	–	–	10·5	8·1
	Weymouth ...	b	by	41	58	–	–	10·8	9·5
	Jersey ...	bc	bcb	47	54	–	–	11·4	10·7
	Torquay ...	wby	by	42	55	–	–	10·7	11·7
	Falmouth ...	b	b	45	56	–	–	10·4	12·8
	Penzance ...	b	b	45	59	–	–	10·5	12·1
	St. Ives ...								
	Bude... ...	b	b	49	53	–	–	10·8	7·3
	Ilfracombe ...	bcbc	bcb	48	56	–	–	10·1	7·1
6	Aberystwyth	bc	bcc	40	52	–	–	10·6	6·8
7	Llandudno ...	b	bbc	42	55	–	–	10·4	7·7
	Colwyn Bay...	bcb	bcbbc	39	54	–	–	10·2	5·9
	Rhyl	b	bbc	43	52	–	–	10·2	7·5
8	Wallasey ...	b	b	42	53	–	–	10·4	8·9
	Southport ...	bcb	bbc	39	54	–	–	10·3	9·0
	Blackpool ...	bbc	bcbbc	42	52	–	–	10·1	8·3
	Morecambe ...	bbc	bcb	37	54	–	–	10·2	8·2
9	Ilkley... ...	b	b	32	59	2	–	10·6	6·8
	Harrogate ...	b	bbc	34	57	1	–	10·2	6·7
10	Berwick-on-T.	bbc	bcc	33	55	–	–	7·6	7·1
11	Dunbar ...	bcxm	bcm	35	58	–	–	9·1	5·6
12	Troon... ...	cbcc	bcc	41	53	Trace	–	5·1	9·2
	Douglas ...	b	b	40	55	–	–	8·5	10·4

† 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. 19th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate variable or southeast wind; fine; local morning fog; rather warm during day; ground frost locally at night.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light to moderate southwest to south wind; fine; rather warm during day, rather cold at night with ground frost locally.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate southwest wind; fine; rather warm during day, cool at night.
13 A. W. Scotld. / B.N.W. Scotland.	Fresh southwest wind, strong locally on coast; fair at first, local rain later; mild.
14 Mid Scotland	
15 N. E. Scotland	Moderate to fresh southwest wind; fair; rather warm.
16 Orkney and Shetland	Strong southwest wind; cloudy; local rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	As 7 – 10.

GENERAL INFERENCE.

A large anticyclone centred over Southern England covers the British Isles. Weather will be fine except in the extreme north of Scotland.

FURTHER OUTLOOK.

Fine weather continuing except in the extreme North; becoming warm for the time of year.

Time of Issue of Gale Warning.

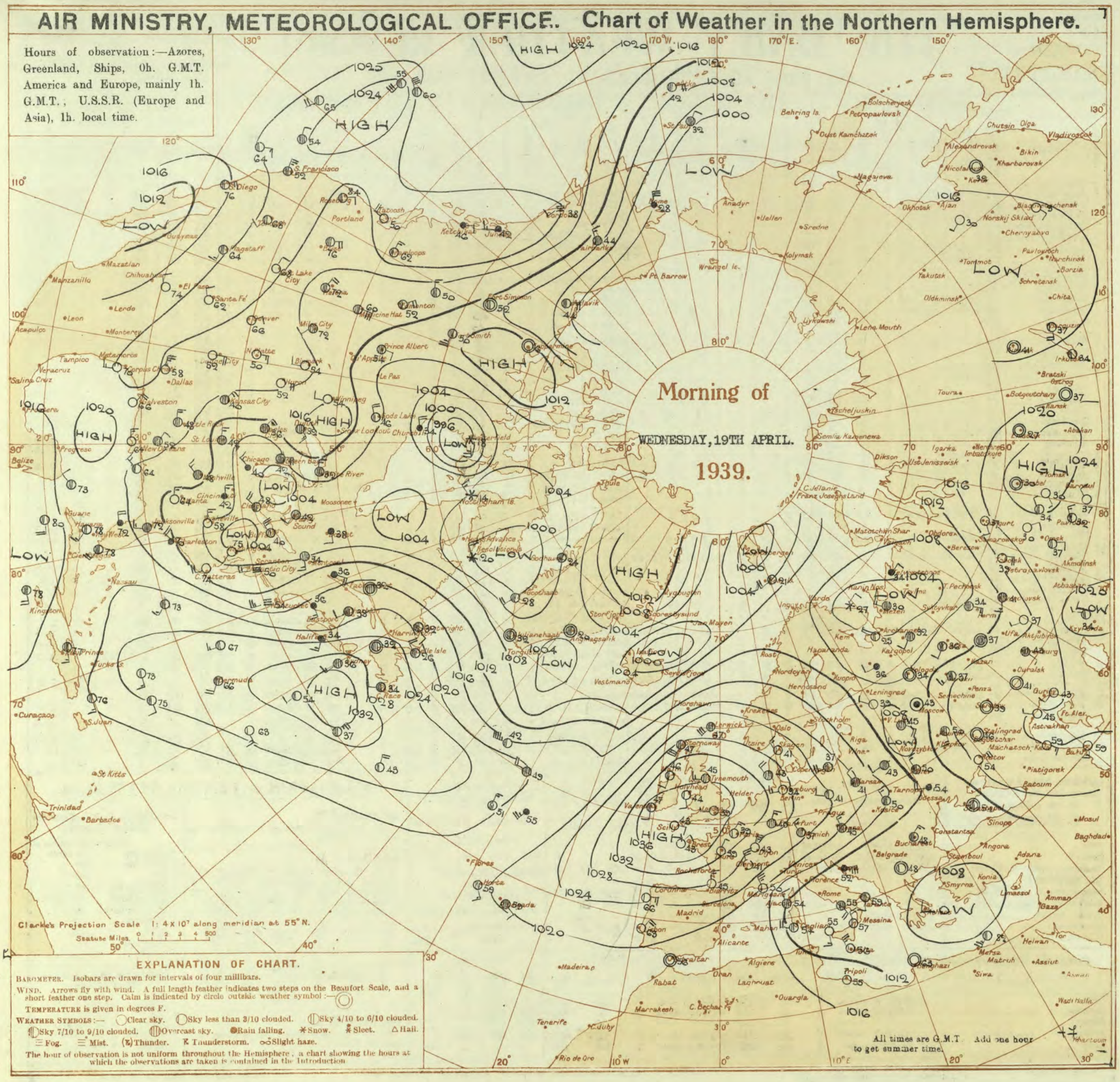
South Cone hoisted at 0315 on 19/4/39 in districts 13 and 16.

Forecasts issued at 1000 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, 19th April, 1939.
No. 28272.

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

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	1037.3	+4	W	1	b	39	92	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1038.1	+6	N'W	2	b	38	92	7	-	-	-	0	0	-
	Manston ...	154	1037.5	+4	W'N	1	b	35	97	7	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1036.9	+2	NNW	1	b	39	85	7	-	-	-	0	0	-
	Mildenhall ...	19	1037.1	+4	SE	2	b	34	92	7	-	-	-	0	0	-
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1037.6	+4	S	2	b	47	65	8	-	-	-	0	0	-
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1036.2	+2	NE	3	bc	50	85	8	1	-	-	2-3	2-3	2500
	Plymouth ...	82	1037.7	+2	NNE	1	Z_0	43	85	6	-	-	-	0	0	-
	The Lizard ...	240	1037.8	+6	-	0	b	47	65	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1037.8	0	E'S	2	b	43	97	8	-	-	-	0	0	-
	Guernsey ...	175	1037.0	0	WNW	1	b	45	97	6	-	-	-	0	0	-
6	Pembroke ...	142	1037.4	0	NE	1	b	44	85	8	-	-	-	0	0	-
7	Holyhead ...	26	1037.0	0	S'E	2	b	44	85	8	2	-	-	Tr	Tr	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1037.0	+2	SW'S	1	b	42	85	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1035.5	+2	W	3	bc	45	75	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1034.4	0	WSW	4	c	47	75	8	5	6	9	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1036.2	0	W	3	b	44	85	8	-	4	-	0	Tr	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1028.7	-16	SSW	6	bc	47	75	8	5	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1029.8	-10	SW	3	c	47	75	9	5	7	-	7-8	10	1500
16	Lerwick ...	156	1024.6	-12	SW	6	c	47	85	7	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1034.8	0	SW	2	c	50	85	7	5	-	-	10	10	1500
18	Malin Head ...	84	1035.1	-2	SSW	2	bc	46	85	8	4	6	-	2-3	4-6	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1037.0	+2	S	2	bc	47	97	8	5	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th 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)	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)	1038.5	+6	-	0	Z_0	43	85	5	-	-	-	0	0	-	0	*
Croydon ...	1037.9	+6	SW	2	Z_0	41	85	6	-	-	-	0	0	-	1	*
S. Farnborough	1038.7	+8	-	0	Z_0	34	92	6	-	-	-	0	0	-	1	*
Boscombe Down	1038.8	+6	-	0	Z_0	37	85	6	-	-	-	0	0	-	1	*
Calshot (Sthmtn.)	1037.8	+8	NW'N	2	bf	40	97	5	-	-	-	0	0	-	1	1
Lympne ...	1038.5	+6	NNE	1	b	40	85	8	-	-	1	0	Tr	-	0	§1
Manston ...	1038.2	+4	WSW	1	b	41	92	7	-	-	S	0	Tr	-	1	*
Shoeburyness...	1038.0	+8	WSW	1	m	42	92	4	-	-	-	0	0	-	1	*
Felixstowe ...	1038.0	+8	W	1	Z_0	42	92	6	-	-	-	0	0	-	0	1
Gorleston ...	1037.7	+10	WNW	2	b	42	75	6	9	-	-	1	1	2500	0	1
Mildenhall ...	1037.7	+8	SW'S	1	Z_0	38	92	6	-	-	1	0	1	-	1	*
Cranwell ...	1037.4	+8	W'S	2	m/f	42	97	4	-	4	-	0	1	-	1	*
Birmingham ...	1038.1	+4	WNW	1	m	43	85	4	-	-	-	0	0	-	1	*
Upper Heyford	1038.2	+6	NW'N	2	Z_0	41	85	5	-	-	-	0	0	-	0	*
Ross-on-Wye	1038.3	+6	SSE	1	Z_0	42	75	6	-	-	-	0	0	-	0	*
Hartland Point	1038.2	+8	NNE	1	b	47	75	8	-	-	-	0	0	-	0	2
Bristol ...	1038.3	+6	-	0	Z_0	39	97	6	-	-	-	0	0	-	0	*
Portland Bill ...	1037.6	+6	NE	2	b	48	85	8	-	-	-	0	0	-	0	2
Plymouth ...	1038.3	+6	-	0	Z_0	42	85	5	-	-	-	0	0	-	1	1
The Lizard ...	1037.9	+6	NE'E	1	bc	48	65	8	7	-	-	2-3	2-3	2500	1	1
Scilly (St. Mary's)	1037.9	+4	-	0	b	47	92	8	-	-	-	0	0	-	0	1
Guernsey ...	1037.3	+8	-	0	b	46	92	7	-	-	-	0	0	-	0	2
Pembroke ...	1038.8	+4	-	0	b	45	92	7	-	4	-	0	Tr	-	0	0
Holyhead ...	1037.3	0	SW'S	3	b	47	92	7	5	-	1	Tr	Tr	800	0	1
Chester (Sealand)	1038.1	+2	SE'E	1	Z_0	38	92	5	-	-	-	0	0	-	0	*
Manchester ...	1038.1	+4	SE'E	1	bf	37	92	3	-	-	-	0	0	-	1	*
Spurn Head ...	1037.1	+2	NW'W	3	c	45	85	6	-	-	6	0	7-8	-	1	2
Catterick ...	1036.7	+4	S'E	2	bc	42	85	8	-	-	2	0	2-3	-	1	*
Tynemouth ...	1035.2	+4	SW	2	m	44	75	4	2	4	-	2-3	7-8	2500	0	2
St. Abbs Head	1033.8	-6	WSW	3	c	46	75	8	7	6	1	4-6	7-8	2500	0	2
Leuchars ...	1033.0	+2	WSW	3	c	48	75	8	5	9	-	7-8	7-8	2500	1	*
Renfrew (Abbots I.)	1034.7	+4	WSW	3	c	46	85	8	5	4	-	7-8	9	2500	1	*
Eskdalemuir ...	1035.3	0	SW'S	3	bc	43	85	7	5	-	5	2-3	4-6	2500	1	*
Point of Ayre...	1036.6	+4	W	3	c	48	92	8	-	3	-	0	7-8	-	0	1
Tiree	1032.1	+2	SW'S	4	bc	48	85	7	5	3	-	2-3	4-6	2500	0	3
Stornoway ...	1028.3	0	WSW	6	c	49	85	7	5	7	-	7-8	9+	2500	1	3
Dalwhinnie ...	1033.4	0	SSE	2	c	43	85	8	4	6	1	4-6	10	2500	0	*
Aberdeen ...	1031.6	+2	SSW	1	c	43	85	5	5	3	2	7-8	9+	4000	0	1
Wick ...	1027.6	-6	SW	4	c	48	65	8	5	6	1	4-6	7-8	2500	0	2
Lerwick ...	1022.8	+2	SW	7	c	47	85	7	8	7	-	7-8	9	1500	1	*
Blacksod Point	1034.8	0	S	4	c	50	92	8	4	-	-	7-8	7-8	2500	0	3
Malin Head ...	1034.8	+2	W'S	2	c	48	75	8	5	-	-	9	9	5700	0	3
Aldergrove ...	1036.3	+8	SW'W	1	b	43	92	8	1	-	4	Tr	Tr	2500	1	*
Birr Castle ...	1037.0	+4	SSE	1	b	36	97	7	-	-	-	0	0	-	1	*
Valentia Obsy. †	1036.9	+2	SE'S	3	bc	48	85	8	8	-	-	4-6	4-6	1500	0	3
Roches Point	1038.0	+2	N	1	cf	41	97	2	5	-	-	7-8	7-8	1500	0	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 18h Hrs. (36)
London (Kew)	54	39	26	-	Tr	12.0
Croydon ...	54	35	32	-	-	11.8
S. Farnborough	57	29	24	-	Tr	12.0
Boscombe Down	56	33	27	-	-	11.4
Calshot (Sthmtn.)	53	37	36	-	-	12.4
Lympne ...	50	35	27	Tr	-	11.4
Manston ...	50	33	26	Tr	-	10.8
Shoeburyness...	55	33	26	-	-	11.0
Felixstowe ...	53	36	29	Tr	-	9.9
Gorleston ...	49	37	35	Tr	-	10.6
Mildenhall ...	53	29	*	-	Tr	13.0
Cranwell ...	56	36	29	-	-	12.3
Birmingham ...	56	39	26	-	-	12.0
Upper Heyford	57	39	28	-	-	*
Ross-on-Wye	60	35	23	-	-	11.5
Hartland Point	51	43	38	-	-	11.8
Bristol ...	57	35	26	-	-	11.4
Portland Bill ...	56	43	*	-	-	*
Plymouth ...	56	39	30	-	-	12.2
The Lizard ...	55	44	*	-	-	12.0
Scilly (St. Mary's)	54	41	*	-	Tr	12.8
Guernsey ...	52	39	30	-	-	12.3
Pembroke ...	54	42	*	-	-	11.6
Holyhead ...	54	44	36	-	-	12.2
Chester (Sealand)	53	35	28	-	-	11.7
Manchester ...	55	29	25	-	-	11.3
Spurn Head ...	52	40	*	-	Tr	10.4
Catterick ...	58	36	28	-	-	10.5
Tynemouth ...	54	40	35	-	-	9.4
St. Abbs Head	55	42	*	-	-	*
Leuchars ...	59	40	33	-	-	9.8
Renfrew (Abbots I.)	55	41	38	Tr	-	3.8
Eskdalemuir ...	55	38	34	-	-	7.3
Point of Ayre...	57	42	*	-	-	10.2
Tiree	53	46	44	-	-	2.9
Stornoway ...	51	46	*	0.1	-	0.4
Dalwhinnie ...	51	41	37	-	-	1.0
Aberdeen ...	58	35	27	Tr	-	4.9
Wick ...	56	45	*	-	-	*
Lerwick ...	51	45	*	1	Tr	2.6
Blacksod Point	52	47	*	-	-	*
Malin Head ...	52	43	*	-	-	3.5
Aldergrove ...	56	41	32	-	-	4.4
Birr Castle ...	59	34	29	-	-	10.9
Valentia Obsy. †	57	45	36	-	Tr	12.3
Roches Point	55	40	*	-	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.
Kew...	18	bz bcy	bcy	bcz dm	54	39	26	-	Tr	12.0	*	*	5
Croydon	217	cz⊕ bcy	bcy Z_0	cz bmw	54	35	32	-	-	11.8	*	*	6
Greenwich (Royal Observatory)...	149	bcy	bcby	bxz	54	34	27	-	-	11.0	46	61	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	57	39	34	-	-	11.7	52	66	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	55	40	30	-	-	11.9	50	61	*
Camden Square	110	bc	bc	*	57	41	33	-	-	*	*	63	*
Kensington	80	bc	bc	*	56	39	29	-	-	12.0	At 18h 47	61	*
Hampstead Observatory	450									12.0	*		*

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

South Kensington. Max.	Time.	Min.	Time.
40.3	whole period		

Kew Observatory. Max.	Time.	Min.	Time.
0.4	22-23h 18th	40.1	11-15h. 18th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 19th April 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	1032.6	NNW	5	bc	48	1036.6	NE	3	bc	41		37		-
Brussels	1032.2	NE'N	3	c	46	1036.9	NNE	3	c	45	52	36	0.2	1
Berlin	1021.7	NNW	2	c	46	1030.5	NW	3	b	43	54	37	1	-
Zürich	1023.9	NNW	4	ir	43	1017.8	NNW	1	ir	39	54	39	Tr	1
Rome	1007.0	S	5	bc	59	1008.5	ENE	2	bc	55	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, 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 Durgeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 20th April, 1939.

No. 28273

OBSERVATIONS at 13h. G.M.T. 19th 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)	°F Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form Low (9)	Form Med. (10)	Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1036·4	-12	NNW	2	z.	60	45	6	5	-	-	2-3	2-3	4000
	Croydon	1035·9	-16	-	0	bc	60	55	6	-	-	1	0	2-3	-
	S. Farnborough	1036·1	-2·0	NNW	1	z.	63	45	6	1	-	-	2-3	2-3	4000
	Boscombe Down	1036·8	-14	NW	3	z.	60	45	7	1	-	-	Tr	Tr	4000
	Calshot (Soton.)	1036·7	-12	SSE	2	z.	56	75	6	1	-	-	Tr	Tr	5700
	Lympne	1037·6	-6	SEE	3	b	52	65	8	1	-	-	Tr	Tr	4000
	Manston	1037·3	-10	SEE	2	b	54	45	7	-	-	-	0	0	-
2	Shoeburyness	1037·0	-10	ESE	1	b	55	65	6	-	-	-	0	0	-
	Felixstowe	1037·0	-12	SSE	2	b	53	55	8	1	-	1	Tr	Tr	4000
	Gorleston	1036·8	-12	SSE	2	bc	51	65	7	-	4	-	0	2-3	-
	Mildenhall	1035·8	-16	WNW	1	z.	62	45	6	1	-	-	Tr	Tr	7200
	Cranwell	1036·0	-14	SSW	1	z.	59	55	6	-	-	2	0	4-6	-
3	Birmingham	1035·9	-10	W	2	b	60	45	7	-	-	-	0	0	-
	Upper Heyford	1036·5	-14	NW	2	bc	61	45	8	-	-	1	0	2-3	-
4	Ross-on-Wye	1035·8	-14	WNW	2	b	62	45	8	-	-	1	0	Tr	-
5	Hartland Point	1037·6	-8	NE	1	b	52	55	8	1	-	-	Tr	Tr	2500
	Bristol	1036·8	-14	NW	2	z.	59	45	7	-	-	-	0	0	-
	Portland Bill	1036·1	-10	W	2	b	51	85	7	-	-	-	0	0	-
	Plymouth	1037·2	-10	SW	2	b	54	75	8	1	-	-	Tr	Tr	4000
	The Lizard	1037·6	-6	ESE	1	bc	57	45	8	7	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	1037·8	-4	NEE	2	b	56	85	8	-	-	-	0	0	-
	Guernsey	1036·9	-6	ENE	2	b	55	55	7	-	-	-	0	0	-
6	Pembroke	1038·3	-4	-	0	b	51	85	8	-	4	-	Tr	Tr	-
7	Holyhead	1036·7	-10	SSW	4	b	53	75	9	5	-	-	Tr	Tr	800
	Chester (Sealand)	1036·7	-10	NNW	3	b	56	55	8	1	-	-	Tr	Tr	4000
8	Manchester	1036·3	-14	WNW	3	b	59	55	8	1	4	-	Tr	Tr	4000
10	Spurn Head	1035·8	-10	SE	2	bc	56	65	6	-	-	2	0	4-6	-
	Catterick	1034·4	-14	WS	4	bc	60	55	8	1	-	9	2-3	2-3	2500
	Tynemouth	1033·1	-12	W	5	bc	60	45	8	7	6	2	2-3	4-6	2500
11	St. Abbs Head	1031·7	-16	WNW	5	bc	53	55	9	1	3	9	Tr	4-6	2500
	Leuchars	1031·3	-16	WNW	5	c	57	55	8	1	-	7	1	9+	4000
12	Renfrew (Abbotsl.)	1034·1	-6	WSW	4	c	52	65	8	7	-	-	9+	9+	2500
	Eskdalemuir	1033·0	-12	WSW	5	bc	55	45	9	7	-	6	1	4-6	2500
	Point of Ayre	1036·0	-2	WNW	4	b	57	75	8	1	-	5	Tr	1	4000
13A	Tiree	1031·4	-2	SW	5	c	52	75	7	5	3	-	4-6	7-8	4000
13B	Stornoway	1027·8	0	WSW	6	id	51	85	7	5	7	-	9	10	2500
15	Dalwhinnie	*	-6	SSW	4	c	49	75	8	4	7	-	4-6	10	2500
	Aberdeen	1028·9	-12	ESE	2	c	60	55	8	5	-	8	7-8	9	4000
	Wick	1026·6	-6	WSW	5	bc	57	65	8	5	4	1	2-3	4-6	2500
16	Lerwick	1021·9	-2	SW	7	o	47	97	6	5	-	-	10	10	450
17	Blacksod Point	1034·4	-4	S	4	bc	54	85	8	2	3	-	4-6	4-6	4000
18	Malin Head	1033·8	-2	W	4	c	55	65	8	8	-	8	4-6	7-8	5700
	Aldergrove	1034·6	-14	W	3	bc	57	55	8	1	-	-	2-3	2-3	1500
19	Birr Castle	1035·6	-8	S	1	b	60	55	7	-	-	-	0	0	-
20	Valentia Obsy.†	1036·5	-2	S	5	b	57	65	8	1	-	-	Tr	Tr	2500
	Roches Point	1037·5	-2	S	3	b	54	85	9	1	-	-	1	1	4000

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form Low (23)	Form Med. (24)	Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1034·2	-10	NW	1	z.	62	45	6	-	-	1	0	Tr	-	0	*
	Croydon	1034·0	-10	SW	3	z.	56	75	6	-	-	1	0	2-3	-	0	*
	S. Farnborough	1034·1	-10	NNW	2	b	62	45	7	-	-	4	0	Tr	-	0	*
	Boscombe Down	1034·8	-10	NW	1	z.	60	45	7	-	-	1	0	Tr	-	0	*
	Calshot (Soton.)	1034·9	-8	SWS	3	z.	55	65	7	-	-	-	0	0	-	0	1
	Lympne	1035·6	-12	S	1	b	49	65	8	-	-	4	0	1	-	0	§ 0
	Manston	1034·7	-16	SSE	2	b	49	75	8	-	-	1	0	1	-	0	*
2	Shoeburyness	1034·6	-12	SE	2	b	53	75	8	-	-	-	0	0	-	1	*
	Felixstowe	1034·8	-8	SW	3	b	51	65	7	-	-	1	0	Tr	-	0	2
	Gorleston	1033·7	-6	SE	2	b	50	65	7	-	-	-	0	0	-	0	2
	Mildenhall	1033·7	-10	WS	1	z.	61	55	6	-	-	1	0	1	-	0	*
	Cranwell	1033·1	-10	WSW	2	b	60	55	7	-	-	1	0	1	-	0	*
3	Birmingham	1034·2	-8	W	2	b	63	45	7	-	-	-	0	0	-	0	*
	Upper Heyford	1034·4	-4	WNW	2	b	62	45	8	-	-	1	0	1	-	0	*
4	Ross-on-Wye	1034·3	-6	SW	2	z.	61	45	6	-	-	1	0	Tr	-	0	*
5	Hartland Point	1036·2	-6	WNW	2	b	51	65	9	1	-	-	Tr	Tr	2500	0	1
	Bristol	1035·2	-8	W	3	b	56	55	8	-	-	1	0	1	-	0	*
	Portland Bill	1034·6	-12	WSW	1	b	50	85	7	-	-	-	0	0	-	0	2
	Plymouth	1035·4	-10	SW	3	b	52	85	8	-	4	-	0	Tr	-	0	1
	The Lizard	1035·6	-10	-	0	bc	55	65	8	7	-	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1035·9	-10	NEE	2	bc	52	75	8	-	1	2	0	2-3	-	0	1
	Guernsey	1035·1	-8	NNW	1	b	52	75	7	-	-	-	0	0	-	0	1
6	Pembroke	1036·3	-8	NNW	1	b	50	85	8	-	-	-	0	0	-	0	1
7	Holyhead	1035·1	-10	SSW	4	b	49	85	9	5	-	-	Tr	Tr	800	0	1
	Chester (Sealand)	1035·3	-8	NNW	3	b	54	65	8	-	-	-	0	0	-	0	*
8	Manchester	1034·7	-6	WNW	3	b	54	65	8	-	-	-	0	0	-	1	*
10	Spurn Head	1032·9	-10	NNW	3	c	53	75	6	-	-	2	0	7-8	-	0	2
	Catterick	1033·2	-2	W	4	bc	56	55	8	-	-	1	0	2-3	-	0	*
	Tynemouth	1032·1	0	W	4	bc	57	55	7	2	4	1	2-3	4-6	2500	0	2
11	St. Abbs Head	1031·0	-6	WNW	5	c	52	55	7	7	6	2	2-3	7-8	2500	0	3
	Leuchars	1030·7	-4	W	4	c	53	65	8	7	4	8	4-6	7-8	2500	0	*
12	Renfrew (Abbotsl.)	1032·5	-10	WN	4	c	52	65	8	7	-	5	4-6	7-8	4000	0	*
	Eskdalemuir	1032·0	-4	WS	4	bc	53	55	8	7	-	1	2-3	2-3	2500	1	*
	Point of Ayre	1034·0	-10	W	3	b	57	75	8	-	-	-	0	0	-	0	1
13A	Tiree	1030·2	-4	SW	4	bc	50	85	7	5	3	-	4-6	4-6	2500	0	3
13B	Stornoway	1026·3	-6	SW	6	c	51	75	7	5	7	-	7-8	9+	2500	1	3
15	Dalwhinnie	1031·9	-10	W	3	c	47	75	8	4	6	-	7-8	10	2500	0	*
	Aberdeen	1028·9	+2	WNW	4	bc	55	55	7	5	-	9	4-6	4-6	4000	0	1
	Wick	1026·3	0	SW	4	c	49	85	8	5	7	8	4-6	9+	1500	0	2
16	Lerwick	1020·3	-10	WSW	8	c	47	92	6	9	2	-	7-8	10	800	1	*
17	Blacksod Point	1033·7	-8	S	3	bc	52	92	8	2	6	-	2-3	4-6	4000	0	2
18	Malin Head	1033·0	-6	W	4	bc	51	75	8	8	-	1	2-3	4-6	5700	0	2
	Aldergrove	1033·1	-6	WS	2	b	58	55	9	1	-	-	Tr	Tr	2500	1	-
19	Birr Castle	1033·9	-10	W	1	b	62	55	7	-	-	-	0	0	-	1	*
20	Valentia Obsy.†	1035·2	-6	S	4	b	55	75	8	1	-	-	Tr	Tr	2500	0	3
	Roches Point	1035·9	-10	SW	3	b	53	92	8	-	-	-	0	0	-	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 19th (37)	Weather. 13h.—18h. 19th (38)	Weather. 18h. 19th to 1h. 20th (39)	Weather. 1h.—7h. 20th (40)
1	London (Kew)	bm.bczy	bcy bzy	bz.ybm.	bxm.bm.
	Croydon	bbcz.	bcz.	bz.m.	bm.w
	S. Farnborough	bm.bz.y	z.by	b.yb	bm.xbm.
	Boscombe Down	bm.	bm.	bm.	bm.
	Calshot (Soton.)	bmbm.	bm.	bm.	bffbxm.
	Lympne	bz.b	bby	bbw	bwz.
	Manston	bz.y	byb	bbm.	bm.w
2	Shoeburyness	bmbm.	bm.b	bbw	bwm
	Felixstowe	bm.bv	byb	bbm.	bm.w
	Gorleston	bbc	bcb	bc	bcbz.
	Mildenhall	bcm.bm.	bz.y	bz.ybm.	bm.wbm
	Cranwell	bmz.bcy	bcbz.y	bz.w	bz.w
3	Birmingham	fb	b	b	bx
	Upper Heyford	by	by	bz.m.	bm.
4	Ross-on-Wye	bz.by	by	byb	bwx
5	Hartland Point	by	bcvy	bcbv	bv
	Bristol	bz.y	bz.y	bym.	bm.x
	Portland Bill	b	b	bbc	bc
	Plymouth	bm.b	b	by	bybm.
	The Lizard	bcy	bc	bcby	by
	Scilly (St. Mary's)	b	bbc	bcb	b
	Guernsey	b	b	bw	bwz.
6	Pembroke	b	b	b	bbcm.w
7	Holyhead	bbcb	bv	bwbv	bwbv
	Chester (Sealand)	bm.wz.y	by	bwm.	bwz.
8	Manchester	bff z.by	by	bm.	bm.
10	Spurn Head	c	cz.	bz.	bz.
	Catterick	bwbcy	bcyby	byb	bbc
	Tynemouth	cmcbc	bc	bc	bc
11	St. Abbs Head	bcy	bccy	bc	bcc
	Leuchars	ccy	cyc	cbc	bcc
12	Renfrew (Abbotsl.)	c	cbc	bc	bcbcw
	Eskdalemuir	bcwbcy	bcby	bybc	bcw
	Point of Ayre	cbcb	b	b	bbcw
13A	Tiree	bcc	cbc	bcc	c
13B	Stornoway	cpr d.	cd	cpr.	cd.r
15	Dalwhinnie	c	mc	•	c
	Aberdeen	cbccy	cbcy	bcyb	bbcc
	Wick	cbc	cpr.q	c	cpr.
16	Lerwick	com.	ocm.	coir.	crrr
17	Blacksod Point	cbc	bc	bc	cbc
18	Malin Head	cbcc	cbc	bc	bcc
	Aldergrove	bcmyby	by	bybw	bbcwm.
19	Birr Castle	b	b	b	bbcx
20	Valentia Obsy.†	bcyb	b	bw	bwb
	Roches Point	cffcb	b	bw	bwc

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 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.*

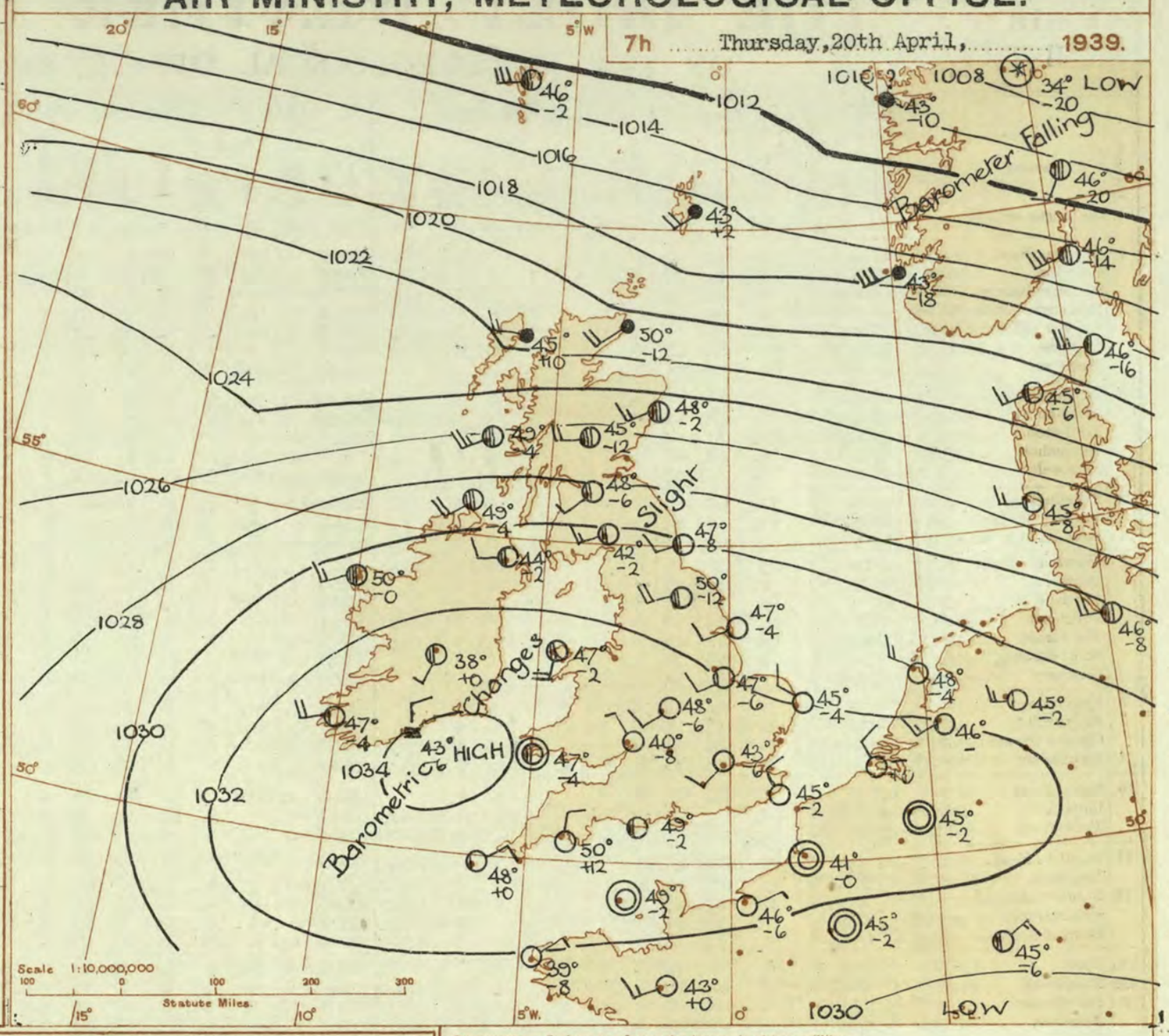
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 19th April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	b	b	29	63	-	-	11·3	12·3
	Bournemouth	b	b	36	62	-	-	10·9	12·1
	Ventnor ...	xbz	bz	43	56	-	-	10·5	11·5
	Southsea ...	b	b	40	61	-	-	10·3	11·9
	Bognor Regis	b	b	38	56	-	-	10·9	12·4
	Littlehampton	b	b	35	55	-	-	11·1	12·4
	Worthing ...	b	b	39	54	-	-	11·5	12·6
	Brighton ...	b	b	37	53	-	-	11·2	11·7
	Eastbourne† ...	bby	by	37	55	-	-	11·7	12·3
	Hastings† ...	b	b	38	54	-	-	11·7	12·0
	Folkestone ...	b	b	34	53	-	-	11·3	10·1
	Dover ...	b	bbc	35	53	-	-	11·4	10·4
	Deal	b	b	34	57	-	-	11·3	11·3
	Ramsgate ...	bc	bc	39	53	-	-	11·5	11·0
	Margate ...	b	bbc	39	56	-	-	11·3	10·7
2	Southend ...	bm	bz	39	58	Trace	-	11·1	11·1
	Clacton-on-Sea	xbmb	b	38	53	-	-	10·7	9·9
	Dovercourt ...	b	bv	37	54	-	-	11·1	10·5
	Lowestoft ...	b	b	34	56	-	-	11·4	11·0
	Skegness ...	b	b	38	58	-	-	11·2	10·6
	Mablethorpe...	b	bm.	34	62	-	-	11·0	10·9
	Cleethorpes ...	bcb	bbc	38	64	-	-	10·5	11·4
3	Leamington S.	bz	bz	34	64	-	-	10·2	12·6
4	Cheltenham†	m.wb	b	36	65	-	-	11·1	12·3
5	Bath	b	b	34	65	-	-	10·9	12·0
	Weymouth ...	b	b	40	60	-	-	11·3	12·3
	Jersey ...	b	b	41	58	-	-	11·5	13·0
	Torquay ...	wb	by	39	59	-	-	11·7	12·2
	Falmouth ...	b	b	43	62	-	-	11·2	11·8
	Penzance ...	b	b	40	62	-	-	10·9	11·1
	St. Ives ...								
	Bude... ...	b	b	33	55	-	-	11·3	12·4
	Ilfracombe ...	bcb	b	41	55	-	-	11·3	11·5
6	Aberystwyth	wbc	bc	36	53	-	-	11·4	12·0
7	Llandudno ...	b	b	41	57	-	-	11·1	12·0
	Colwyn Bay...	b	b	38	61	-	-	11·2	11·8
	Rhyl	b	b	37	55	-	-	11·3	11·0
8	Wallasey ...	b	b	40	56	-	-	10·8	11·6
	Southport ...	bzb	bbv	37	57	-	-	10·8	11·1
	Blackpool ...	b	b	35	55	-	-	10·7	10·4
	Morecambe ...	bcb	b	39	54	-	-	8·2	11·7
9	Ilkley... ...	b	b	36	63	-	-	10·9	11·4
	Harrogate ...	b	b	39	61	-	-	11·2	10·9
10	Berwick-on-T.	cbc	bc	42	58	-	-	9·2	7·9
11	Dunbar ...	bcm.	bc	43	55	-	-	8·2	9·6
12	Troon... ...	ococ	bcbbc	46	52	-	-	3·2	5·3
	Douglas ..	b	b	41	56	-	-	10·1	10·0

† 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th April, 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 to moderate variable wind, becoming south to southwest later; fine; local morning fog; warm inland for the time of year during the day; rather cold at night.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate southwest wind; fine at first; occasional rain later; rather warm becoming cooler.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate southwest to west wind; occasional rain at first, fair later; becoming colder.
17 N. W. Ireland 18 N. E. Ireland	As 8 - 12.
19 S.E. Ireland 20 S. W Ireland	As 1 - 7.

GENERAL INFERENCE.

An anticyclone centred over Southern England is decreasing in intensity and a trough of low pressure over North Scotland is moving south. There will be occasional rain in North Scotland extending slowly southwards, but fine weather will continue over most of England and Ireland.

FURTHER OUTLOOK.

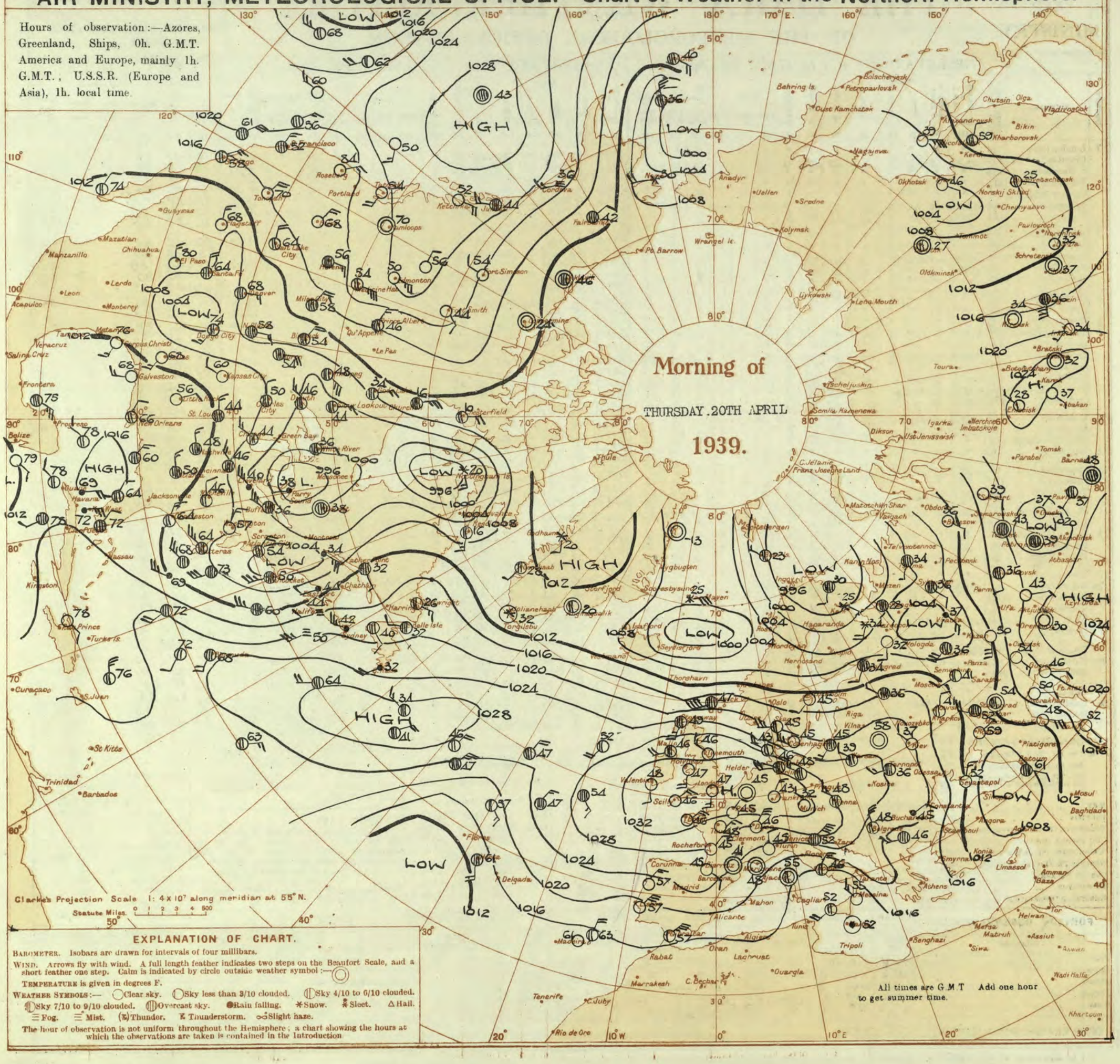
Less settled in the North; fair in the South.

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.
G.465/3670. m.8109. D.4626. Gp.948. 35400/39.

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

Thursday 20th April, 1939.
No. 28273

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

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	1034.0	-2	S'W	3	b	42	92	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1034.8	-6	NW	2	b	45	75	7	-	-	-	0	0	-
	Manston	154	1034.4	-2	S	1	b	42	75	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1033.3	-4	WSW	3	b	44	75	7	-	-	-	0	0	-
	Mildenhall	19	1033.6	-2	-	0	zo	41	97	5	-	-	-	0	0	-
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1035.3	0	NE	2	b	47	75	9	-	-	-	0	0	-
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1033.8	-6	NNW	3	bc	49	75	8	5	-	-	2-3	2-3	2500
	Plymouth	82	1035.2	0	NW	1	b	48	55	8	-	-	-	0	0	-
	The Lizard	240	1035.2	-2	NNE	4	b	47	45	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1035.0	-2	NE'E	3	b	46	92	9	-	-	-	0	0	-
	Guernsey	175	1034.6	-2	N	1	b	47	85	6	-	-	-	0	0	-
6	Pembroke	142	1035.4	-2	NW'W	1	b	47	92	7	-	-	-	0	0	-
7	Holyhead	26	1033.6	-6	S'W	4	b	47	92	8	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1033.1	0	WNW	3	b	46	75	6	-	-	-	0	0	-
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1031.1	-6	W	2	bc	45	75	6	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1030.1	-8	W	4	bc	45	75	8	5	4	-	2-3	4-6	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*		*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1032.6	-4	W'S	3	b	44	92	8	-	4	-	0	Tr	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1023.3	-16	SSW	5	c	49	85	7	5	7	-	4-6	9	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022.7	-20	SSW	4	c	47	85	8	5	1	-	4-6	7-8	1500
16	Lerwick	156	1017.0	-18	WSW	8	o	47	92	6	5	-	-	10	10	800
17	Blacksod Point	18	1031.4	-10	SW	4	bc	50	92	8	3	-	-	4-6	4-6	1500
18	Malin Head	84	1030.6	-16	SW'W	4	bc	46	85	8	5	-	-	2-3	2-3	5700
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1034.6	0	SSE	2	b	48	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 20th 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)	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)	1033.0	-6	SW	1	zo	44	85	5	-	-	-	0	0	-	0	*
Croydon	1032.5	-6	SW'S	2	zo	43	92	5	-	-	-	0	0	-	0	*
S. Farnborough	10 35	-2	-	0	zo	37	97	5	-	-	-	0	0	-	0	*
Boscombe Down	1033.6	-6	N	1	zo	41	85	6	-	-	-	0	0	-	0	*
Calshot (Sthmtn.)	1032.9	-4	NW'W	1	zo	42	92	5	-	4	-	0	Tr	-	0	0
Lympne	1033.1	-2	NW	2	zo	45	97	6	-	-	-	0	0	-	0	§0
Manston	1032.1	-6	WNW	2	zo	46	75	5	-	-	-	0	0	-	0	*
Shoeburyness	1032.4	-2	W	1	m	48	85	4	-	-	-	0	0	-	1	*
Felixstowe	1032.1	-4	NW'N	2	zo	46	85	5	-	-	-	0	0	-	1	1
Gorleston	1031.4	-4	WNW	2	b	45	75	6	-	-	-	0	0	-	0	2
Mildenhall	1032.1	-6	SW	2	zo	43	97	5	-	-	-	0	0	-	1	*
Cranwell	1031.7	-6	SW'W	2	zo	47	75	5	-	4	-	0	Tr	-	1	*
Birmingham	1032.4	-6	SW	2	b	48	45	8	-	-	-	0	0	-	0	*
Upper Heyford	1032.9	-8	W	1	zo	47	75	6	-	-	-	0	0	-	0	*
Ross-on-Wye	1033.1	-8	NW	1	zo	40	85	6	-	-	-	0	0	-	0	*
Hartland Point	1033.6	-4	SSW	1	b	46	75	8	-	-	-	0	0	-	0	1
Bristol	1033.6	-2	-	0	zo	37	97	7	-	-	-	0	0	-	0	*
Portland Bill	1032.6	-2	-	0	bc	49	75	7	5	-	-	2-3	2-3	2500	0	2
Plymouth	1033.6	-2	-	0	zo	41	75	6	-	-	-	0	0	-	0	0
The Lizard	1034.3	+12	NNE	2	b	50	45	8	-	-	-	0	0	-	0	1
Scilly (St. Mary's)	1033.5	0	NE'E	2	b	48	92	8	-	4	-	0	1	-	0	2
Guernsey	1032.7	-2	-	0	zo	49	85	6	-	-	-	0	0	-	0	1
Pembroke	1033.6	-4	-	0	bc	47	97	7	5	-	-	2-3	2-3	2500	0	1
Holyhead	1032.0	-2	SSW	4	bc	47	85	8	-	-	4	0	2-3	-	0	1
Chester (Sealand)	1032.4	-2	-	0	zo	41	65	6	-	4	-	0	1	-	0	*
Manchester	1032.3	-2	-	0	zo	41	85	5	-	5	-	0	Tr	-	1	*
Spurn Head	1031.2	-4	W'S	2	b	47	75	6	-	-	-	0	0	-	0	1
Catterick	1028.3	-12	W'S	4	bc	50	65	8	-	5	9	0	4-6	-	0	*
Tynemouth	1028.5	-8	WSW	2	bc	47	65	6	5	3	1	4-6	4-6	1500	0	1
St. Abbs Head	1026.5	-20	WNW	5	c	47	75	9	7	6	2	2-3	7-8	2500	0	3
Leuchars	1026.0	-6	WSW	4	c	46	85	8	5	7	9	2-3	7-8	2500	0	*
Renfrew (Abbots I.)	1028.6	-6	SW	1	bc	48	75	8	7	-	8	4-6	4-6	1500	0	*
Eskdalemuir	1029.4	-2	W'S	3	bc	42	85	6	5	-	4	4-6	4-6	450	1	*
Point of Ayre	1031.1	0	WNW	4	bc	47	92	8	-	-	5	0	2-3	-	0	2
Tiree	1025.7	-4	SW'W	5	c	49	85	7	5	3	2	2-3	7-8	4000	0	3
Stornoway	1021.9	+10	W	3	roro	45	97	6	5	2	-	4-6	10	1500	1	1
Dalwhinnie	*	-12	W	4	c	45	75	7	4	2	-	4-6	10	2500	0	*
Aberdeen	1023.5	-2	SW'W	3	c	48	65	8	3	3	8	1	9	4000	0	1
Wick	1019.6	-12	SW	4	pr	50	85	7	5	1	7	7-8	10	1600	0	2
Lerwick	1016.1	+2	SW	4	rr	43	92	7	6	2	-	4-6	10	800	1	*
Blacksod Point	1030.5	0	WSW	3	c	50	92	8	4	-	-	7-8	7-8	2600	0	2
Malin Head	1029.2	-4	SW	4	c	49	85	8	5	6	-	2-3	7-8	5700	0	3
Aldergrove	1031.2	-2	W	2	zo	44	92	6	5	1	-	Tr	2-3	2500	1	"
Birr Castle	1032.7	0	SSW	1	bc	38	92	7	-	4	5	0	4-6	-	0	*
Valentia Obsy. †	1032.8	-4	W'S	4	b	47	85	8	1	-	9	Tr	1	800	0	3
Roches Point	1034.1	-6	N	2	cf	43	97	3	5	-	-	7-8	7-8	<150	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 19th Hrs. (36)
London (Kew)	63	42	28	-	Tr	11.8
Croydon	62	39	34	-	-	9.9
S. Farnborough	65	32	27	-	-	12.2
Boscombe Down	63	36	34	-	-	11.7
Calshot (Sthmtn.)	62	37	34	-	-	12.1
Lympne	52	42	32	-	-	12.7
Manston	56	39	32	-	-	12.1
Shoeburyness	56	42	32	-	-	11.3
Felixstowe	53	42	39	-	-	12.1
Gorleston	55	40	39	-	-	12.5
Mildenhall	63	35	30	-	Tr	12.0
Cranwell	63	42	33	-	-	11.7
Birmingham	64	42	25	-	-	12.3
Upper Heyford	65	40	27	-	-	*
Ross-on-Wye	67	36	22	-	-	12.6
Hartland Point	54	45	37	-	-	13.2
Bristol	62	34	26	-	-	11.6
Portland Bill	55	46	*	-	-	*
Plymouth	55	40	35	-	-	12.8
The Lizard	60	44	*	-	-	12.9
Scilly (St. Mary's)	56	44	*	-	-	12.9
Guernsey	56	42	33	-	-	12.7
Pembroke	52	44	*	-	-	12.8
Holyhead	54	44	40	-	Tr	12.6
Chester (Sealand)	58	38	31	-	-	12.6
Manchester	65	33	27	-	-	11.7
Spurn Head	60	43	*	-	-	10.4
Catterick	61	40	34	-	-	13.0
Tynemouth	61	45	34	-	-	11.4
St. Abbs Head	54	43	*	-	-	*
Leuchars	57	39	31	-	-	7.2
Renfrew (Abbots I.)	54	41	36	-	-	1.6
Eskdalemuir	58	35	32	-	-	11.5
Point of Ayre	59	43	*	-	-	11.3
Tiree	52	48	46	-	-	7.8
Stornoway	54	45	*	Tr	2	1.3
Dalwhinnie	52	42	38	-	-	3.0
Aberdeen	60	45	40	-	.	5.0
Wick	58	45	*	Tr	Tr	*
Lerwick	49	42	*	-	4	0.0
Blacksod Point	55	47	*	-	-	*
Malin Head	55	44	*	-	-	5.8
Aldergrove	60	39	30	-	-	12.4
Birr Castle	63	35	28	-	-	12.4
Valentia Obsy. †	58	44	36	-	Tr	11.6
Roches Point	54	43	30	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 Morning	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.
		24 hrs. ended 9h.											
Kew	18	bmobczy	bcybzoy	bxmobmo	63	42	28	-	Tr	11.8	*	*	5
Croydon	217	bbczo	bczomo	bmow	62	39	34	-	-	9.9	*	*	5
Greenwich (Royal Observatory)	149	bzoy	bzoy	bwz	63	39	31	-	Tr	8.5	44	55	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	10.6	*	*	*
Westminster (St. James' Park)	27	*	*	*	64	41	35	-	-	10.5	49	63	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	63	42	32	-	-	11.4	57	63	*
Camden Square	110	o	o	*	66	43	36	-	-	*	*	58	*
Kensington	80	bcz	bz	*	65	41	32	-	-	11.2	At 18h 48	65	*
Hampstead Observatory	450	bc	b	bm	63	44	35	-	-	11.5	*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	0.6	8-10h 19th	0.3	2-3h 20th
Kew Observatory.	0.3	10h 19th	0.1	17h 19th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 19th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 20th April 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	1031.8	NE	3	b	57	1031.9	-	0	zo	45	*	41	*	-
Brussels	1033.8	NE	3	c	54	1032.5	-	0	b	45	59	*	-	*
Berlin	1028.8	WNW	3	c	54	1027.0	WNW	4	c	46	59	*	-	*
Zurich	1027.6	NE	2	bc	48	1027.1	N	2	bc	41	54	*	0.2	*
Rome	1012.6	NE	3	c	50	1016.3	N	2	c	50	*	*	0.4	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

Objects not visible at

- 0 Dense fog 55 yards.
- 1 Thick fog 220 ,,
- 2 Fog 550 ,,
- 3 Moderate fog 1,100 ,,
- 4 Mist or haze 1¼ miles.
- 5 Poor visibility 2½ ,,
- 6 Moderate ,, 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

Friday, 21st April 1939.
No. 28274

OBSERVATIONS at 13h. G.M.T. 20th 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)	Cloud. Amount Low 0–10 (12)	Cloud. Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1030·7	-20	W	2	z_o	65	45	6	-	-	-	0	0	-
	Croydon	1030·6	-14	W'N	3	z_o	68	45	6	-	-	-	0	0	-
	S. Farnborough	1030·6	-18	W'S	3	b	69	35	7	-	-	-	0	0	-
	Boscombe Down	1031·5	-14	W	2	b	66	45	7	-	-	-	0	0	-
	Calshot (Soton.)	10316	-12	S'W	2	z_o	62	55	6	-	-	-	0	0	-
	Lympne	1031·4	-10	SE	2	z_o	62	65	6	1	-	-	Tr	Tr	4000
	Manston	1031·1	-12	SE'S	2	z_o	62	56	6	-	-	-	0	0	-
2	Shoeburyness	1030·7	-14	SE	3	m	60	65	4	-	-	-	0	0	-
	Felixstowe	1030·7	-10	SSE	3	b	58	65	7	-	-	-	0	0	-
	Gorleston	1030·3	-8	SE	2	b	54	65	6	-	-	-	0	0	-
	Mildenhall	1029·9	-20	SW'W	3	z_o	67	45	6	-	-	1	0	Tr	-
	Cranwell	1029·4	-18	W'N	4	z_o	65	35	6	-	-	1	0	Tr	-
3	Birmingham	1030·3	-10	W	3	bc	65	45	8	-	-	1	0	2-3	-
	Upper Heyford	1030·9	-14	WNW	2	b	65	25	7	-	-	5	0	Tr	-
4	Ross-on-Wye	1030·6	-16	WNW	2	b	66	45	8	-	-	1	0	Tr	-
5	Hartland Point	1033·1	-6	WNW	1	b	52	85	8	-	4	-	0	Tr	-
	Bristol	1031·8	-12	W'S	3	b	63	45	8	-	-	1	0	Tr	-
	Portland Bill	1031·9	-8	WNW	1	b	51	85	8	-	-	-	0	0	-
	Plymouth	1032·3	-14	SSW	1	b	57	55	8	-	-	-	0	0	-
	The Lizard	1032·6	-10	E	1	b	59	45	8	-	-	-	0	0	-
	Scilly (St. Mary's)	1033·0	-10	ENE	2	b	56	85	8	-	-	-	0	0	-
	Guernsey	1031·9	-10	N'W	1	b	58	55	7	-	-	-	0	0	-
6	Pembroke	1033·1	-4	WNW	2	b	51	85	7	-	4	-	0	Tr	-
7	Holyhead	1031·7	-6	SW	2	bc	56	65	8	-	-	4	0	2-3	-
	Chester (Sealand)	1031·3	-10	NW'N	4	bc	57	65	8	-	-	2	0	4-6	-
8	Manchester	1030·7	-10	W'N	4	bc	59	65	7	-	4	4	0	4-6	-
10	Spurn Head	1028·7	-18	NW'W	3	bc	59	65	6	-	-	8	0	4-6	-
	Catterick	1027·8	-14	WSW	4	c	60	35	8	-	7	9	0	7-8	-
	Tynemouth	1026·9	-14	W	5	bc	59	45	7	2	-	2	2-3	4-6	2500
11	St. Abbs Head	1025·3	-2	WNW	5	c	53	55	8	8	6	9	4-6	9	2500
	Leuchars	1024·6	-2	W	7	c	55	65	8	8	7	5	7-8	7-8	4000
12	Renfrew (Abbots I.)	1026·8	-8	W'S	6	c	54	65	8	7	-	4	9	9+	1500
	Eskdalemuir	1027·1	-8	WSW	4	bc	54	45	8	7	-	8	2-3	4-6	2500
	Point of Ayre	1030·2	-6	W'N	4	bc	60	75	8	1	3	-	Tr	4-6	4000
13A	Tiree	1025·8	+2	WNW	2	dd	48	97	5	-	2	-	10	10	450
13B	Stornoway	1022·4	-2	WSW	6	c/pr	49	75	8	8	5	-	7-8	7-8	2500
15	Dalwhinnie	1024·2	0	W	3	c	48	75	7	4	2	-	4-6	10	2500
	Aberdeen	1021·9	-8	W	4	c	58	55	7	5	-	9	9	9+	2500
	Wick	1020·8	+2	WNW	4	c/r	50	75	8	5	7	8	4-6	7-8	1500
16	Lerwick	1014·8	-12	W	6	c	47	75	8	8	7	1	4-6	7-8	1500
17	Blacksod Point	1030·2	-6	SW	3	c	55	65	7	5	-	-	4-6	7-8	2500
31	Malin Head	1028·3	-6	W	5	c	53	65	8	8	6	-	4-6	7-8	5700
	Aldergrove	1029·3	-10	WNW	4	bc	59	65	7	5	3	6	4-6	4-6	1500
19	Birr Castle	1031·4	-8	SW	2	bc	59	65	7	1	-	-	4-6	4-6	2500
20	Valentia Obsy.†	1032·4	-8	S'W	4	bc	59	65	8	-	-	1	0	2-3	-
	Roches Point	1033·1	-8	SW'W	3	f_s	51	92	8	5	-	5	2-3	4-6	220

OBSERVATIONS at 18h. G.M.T. 20th 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)	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)	1028·4	-10	W	3	b	67	25	8	-	-	-	0	0	-	0	*
Croydon	1028·2	-12	NW'W	3	b	66	35	8	-	-	1	0	Tr	-	0	*
S. Farnborough	1028·5	-8	W	3	b	67	35	8	-	-	-	0	0	-	0	*
Boscombe Down	1029·4	-8	W'N	3	b	62	45	7	-	-	1	0	Tr	-	0	*
Calshot (Soton.)	1028·9	-10	NW	3	b	65	45	8	-	-	-	0	0	-	0	-
Lympne	1029·4	-10	S'E	2	z_o	55	75	6	-	-	-	0	0	-	0	§ 0
Manston	1028·1	-18	S	2	z_o	57	65	6	-	-	-	0	0	-	0	*
Shoeburyness	1027·8	-14	SSE	1	z_o	57	75	6	-	-	-	0	0	-	1	*
Felixstowe	1028·2	-10	S	3	b	54	65	7	-	-	-	0	0	-	0	1
Gorleston	1027·1	-12	SSW	2	b	60	55	6	-	4	-	0	1	-	0	2
Mildenhall	1027·8	-8	W'S	2	b	63	55	7	-	-	1	0	1	-	0	*
Cranwell	1027·7	-6	W	3	z_o	63	45	6	-	-	2	0	4-6	-	0	*
Birmingham	1028·6	-6	W	3	bc	64	35	8	-	-	1	0	2-3	-	0	*
Upper Heyford	1028·9	-4	WNW	2	bc	65	45	8	-	-	4	0	2-3	-	0	*
Ross-on-Wye	1028·9	-6	NW	2	bc	64	25	8	-	-	1	0	2-3	-	0	*
Hartland Point	1031·3	-8	W'N	2	b	52	85	8	-	-	3	0	Tr	-	0	1
Bristol	1029·5	-10	W'S	3	bc	57	65	8	-	-	1	0	2-3	-	0	*
Portland Bill	1029·4	-16	NW	1	b	54	75	8	-	-	-	0	0	-	0	2
Plymouth	1030·3	-10	NNW	3	b	62	35	8	-	4	-	0	Tr	-	0	1
The Lizard	1030·7	-6	-	0	b	61	45	8	-	-	-	0	0	-	0	0
Scilly (St. Mary's)	1031·4	-8	NE'E	2	b	53	85	8	-	-	2	0	1	-	0	2
Guernsey	1029·0	-6	NNW	1	z_o	56	55	7	-	-	-	0	0	-	0	1
Pembroke	1031·6	-8	WNW	1	bc	50	85	7	5	4	1	1	2-3	2500	0	0
Holyhead	1029·4	-10	S'W	3	b	51	65	8	-	-	1	0	1	-	0	1
Chester (Sealand)	1029·5	-6	WNW	3	b	55	55	7	-	4	9	0	1	-	0	*
Manchester	1029·1	-8	WNW	3	bc	54	65	7	-	-	2	0	4-6	-	0	*
Spurn Head	1026·9	-6	WNW	4	bc	55	55	6	-	-	8	0	4-6	-	0	2
Catterick	1026·8	-2	WSW	3	c	55	65	7	4	-	9	4-6	9	2500	0	*
Tynemouth	1025·5	-4	W	4	c	54	85	7	8	-	-	7-8	7-8	1500	0	1
St. Abbs Head	1024·0	-2	WNW	6	cq	53	55	8	7	6	1	4-6	7-8	2500	0	4
Leuchars	1023·7	-2	WSW	5	c	53	75	8	8	7	-	9	9+	1500	0	*
Renfrew (Abbots I.)	1025·4	-4	W'S	5	c/pr	51	75	8	5	6	-	7-8	7-8	1500	0	*
Eskdalemuir	1026·2	-4	W'S	4	c	51	65	8	5	-	-	7-8	7-8	2500	1	*
Point of Ayre	1028·1	-12	W'N	4	bc	56	75	8	-	3	-	0	4-6	-	0	2
Tiree	1025·6	0	W	2	c	48	85	7	5	-	-	9+	9+	1500	1	2
Stornoway	1023·6	+8	W	5	c	47	65	8	2	5	6	2-3	9+	2500	1	3
Dalwhinnie	1024·4	0	NW	2	c	45	85	7	4	6	-	7-8	10	2500	1	*
Aberdeen	1022·7	+2	NW'W	3	c	50	75	6	9	7	-	2-3	7-8	1500	1	1
Wick	1020·9	+4	NW	5	c	48	65	8	5	6	8	2-3	7-8	1500	1	2
Lerwick	1014·2	+4	W	5	c	44	75	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1027·9	-8	SW	3	c	52	85	7	4	-	-	9+	9+	800	0	2
Malin Head	1027·4	-6	W	5	c	50	85	8	-	3	-	0	9	-	0	3
Aldergrove	1027·8	-8	NW'W	4	bc	55	65	8	5	-	-	4-6	4-6	2500	1	*
Birr Castle	1029·7	-8	WSW	3	bc	58	55	7	-	7	-	0	4-6	-	0	*
Valentia Obsy.†	1030·8	-10	SW	3	bc	56	65	8	1	-	4	Tr	2-3	2500	0	2
Roches Point	1031·0	-10	SW	3	b	54	75	8	-	-	-	0	0	-	0	2

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)	bmbz$_o$y	bz$_o$yby	by	bm$_o$w
Croydon	bm$_o$z$_o$y	bz$_o$y	bz$_o$ym$_o$w	bm$_o$wmy
S. Farnborough	bm$_o$z$_o$by	by	byybbx	bxm$_o$
Boscombe Down	bm$_o$z$_o$by	by	byb	bbcm$_o$
Calshot (Soton.)	bm$_o$bz$_o$y	b'by	byb	bbm$_o$
Lympne	bz$_o$y	bz$_o$y	bz$_o$y	bwz$_o$
Manston	bz$_o$y	bz$_o$ybz$_o$	bz$_o$m$_o$	bm$_o$w
Shoeburyness	bz$_o$ybz	bz$_o$	bz$_o$m$_o$w	bcwz$_o$
Felixstowe	bm$_o$by	bm$_o$	bbm$_o$	bm$_o$w
Gorleston	bz$_o$y	bz$_o$b	bz$_o$	bcz$_o$
Mildenhall	bm$_o$y	by	bybz$_o$bm$_o$	bm$_o$bm$_o$w
Cranwell	bz$_o$y	bz$_o$bcy	bz$_o$w	bbcz$_o$wy
Birmingham	b	b	bbc	bccz
Upper Heyford	bz$_o$b	by	bcb	bbcm$_o$
Ross-on-Wye	by	bybcy	by	bwcm$_o$
Hartland Point	bbc	bcb	bbcb	bbc
Bristol	bm$_o$xy	by	bm$_o$w	bwm$_o$bc
Portland Bill	bcb	b	bc	bc
Plymouth	by	by	byb	bw
The Lizard	by	by	by	bbcy
Scilly (St. Mary's)	b	bbcb	bw	bwbc
Guernsey	bz$_o$	bz$_o$	bz	bbcz$_o$
Pembroke	b	bbcz$_o$	bbcw	bbccw
Holyhead	b,ofb	by	bbcwm$_o$	bcwc⊕
Chester (Sealand)	bwbcz$_o$	bcby	byz$_o$w	c⊕,m$_o$
Manchester	bm$_o$bmbc	bcy	bcbm$_o$	bcm$_o$cmw
Spurn Head	bz$_o$	bcz$_o$	bz	bcm$_o$
Catterick	bbcy	bcyc	cbcc	c
Tynemouth	bc	bcc	cbc	bcc
St. Abbs Head	cy	cqy	prc	cir$_o$
Leuchars	cbcc	c	d$_o$d$_o$irc	c
Renfrew (Abbots I.)	cbcc	cbccpr$_o$	cbcid$_o$	cir$_o$id$_o$
Eskdalemuir	bcy	bcyc	cbc	bcr$_o$
Point of Ayre	bc	bccbc	bccbc	c
Tiree	cod$_o$m	odd$_o$c	cdc	or$_o$r$_o$
Stornoway	cr$_o$r$_o$pr	cpr$_o$q	cpRbcb	bbcc
Dalwhinnie	c	cr$_o$r$_o$		c
Aberdeen	ccy	circ	cbcbx	bxbc
Wick	cr$_o$cq	cprqc	cbc	bcc
Lerwick	crr	cprq	cpr$_o$bc	bcc
Blacksod Point	cbc	bc	bc	cbc
Malin Head	cbcc	c	c	c
Aldergrove	bcm$_o$cbc	bccybc	bccbc	bcwc$_o$m$_o$
Birr Castle	bc	bc	bc	bc
Valentia Obsy.†	bbc	bcbybc	bcw	bcwc
Roches Point	ffcf$_s$	bcifb	bbcw	ffcfc

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.*

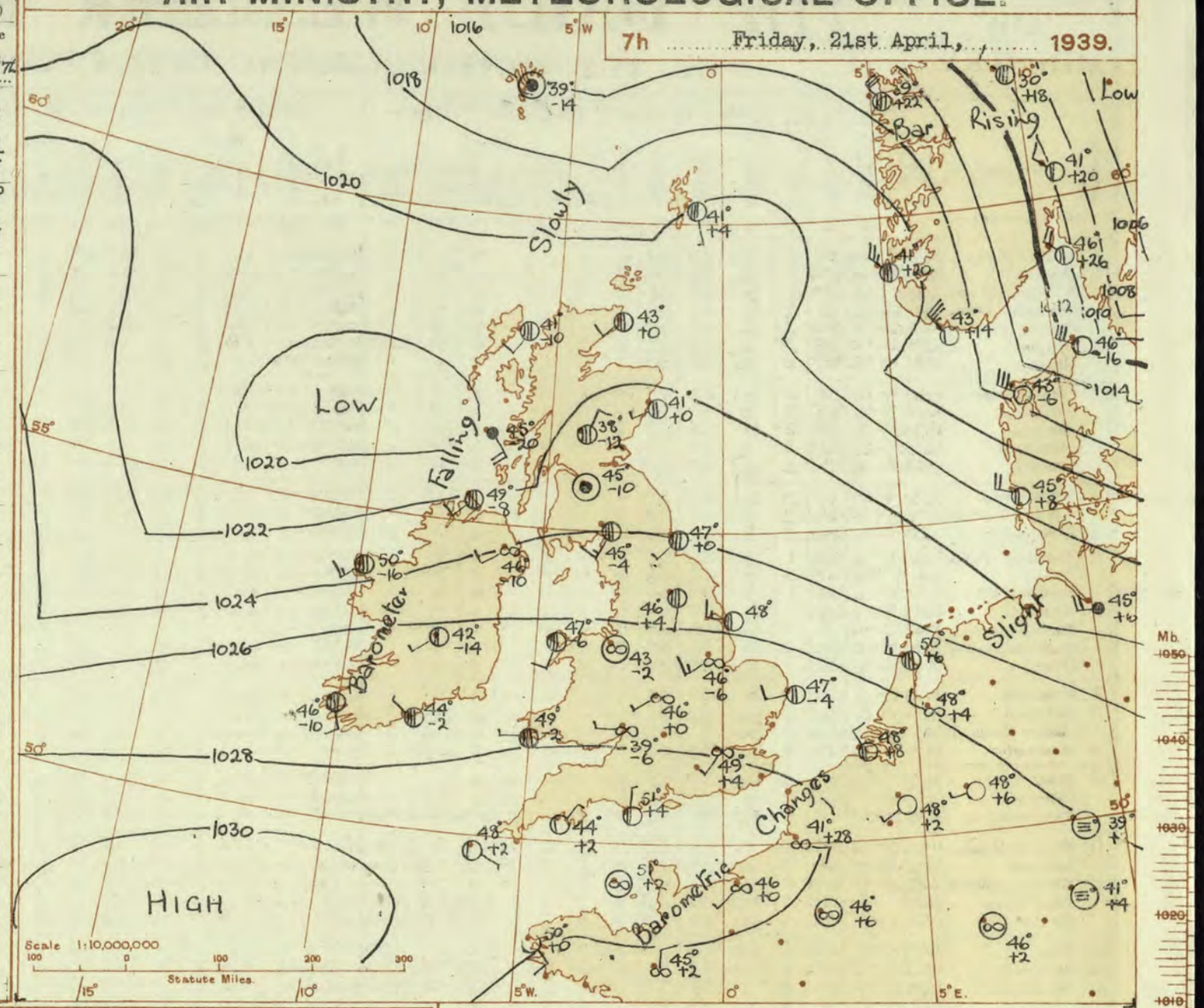
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 20th April. 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	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.	b	b	34	71	-	-	11·2	11·9
	Bournemouth	b	b	39	71	-	-	11·1	12·2
	Ventnor ...	xbz	bz	46	62	-	-	11·2	11·9
	Southsea ...	b	b	41	69	-	-	11·1	11·4
	Bognor Regis	b	b	39	58	-	-	11·1	11·5
	Littlehampton	b	b	37	59	-	-	11·3	12·0
	Worthing ...	b	b	41	61	-	-	11·4	12·1
	Brighton ...	b	b	39	59	-	-	11·1	11·4
	Eastbourne† ...	by	by	*	65	-	-	11·2	12·5
	Hastings† ...	b	b	43	61	-	-	11·3	12·7
	Folkestone ...	mob	bbm	39	58	-	-	10·4	12·3
	Dover ...	b	bbc	40	56	-	-	10·5	12·3
	Deal	b	b	41	60	-	-	10·7	12·3
	Ramsgate ...	bcz	bc	45	60	-	-	10·8	12·7
	Margate ...	bc	bc	44	60	-	-	11·0	12·3
2	Southend ...	bmb	b	43	69	-	-	11·0	11·9
	Clacton-on-Sea	byz	bz	41	61	-	-	10·9	12·0
	Dovercourt ...	b	bz	42	66	-	-	11·0	12·1
	Lowestoft ...	b	bz	39	64	-	-	11·1	12·5
	Skegness ...	b	b	44	68	-	-	11·6	11·7
	Mablethorpe...	by	by	36	68	-	-	11·5	11·8
	Cleethorpes ...	b	bc	39	67	-	-	11·5	11·5
3	Leamington S.	b	b	36	68	-	-	11·0	11·2
4	Cheltenham†	Wby	by	37	68	-	-	11·3	12·8
5	Bath	b	b	35	66	-	-	11·3	12·4
	Weymouth ...	b	b	42	61	-	-	11·5	12·9
	Jersey ...	b	b	45	63	-	-	11·6	13·0
	Torquay ...	by	by	43	62	-	-	11·8	13·4
	Falmouth ...	b	b	44	65	-	-	11·4	13·8
	Penzance ...	b	b	44	65	-	-	11·0	12·5
	St. Ives ...								
	Bude... ...	b	b	33	55	-	-	11·3	12·9
	Ilfracombe ...	bcb	bbcb	40	56	-	-	11·3	13·3
6	Aberystwyth	bbc	bbc	38	54	-	-	10·7	13·5
7	Llandudno ...	b	b	44	58	-	-	11·3	12·8
	Colwyn Bay...	bcb	b	42	62	-	-	11·2	13·1
	Rhyl	b	b	39	56	-	-	11·4	13·0
8	Wallasey ...	b	b	41	56	-	-	11·4	12·6
	Southport ...	b	b	37	57	-	-	11·4	12·8
	Blackpool ...	b	b	36	54	-	-	10·8	12·4
	Morecambe ...	bcb	b	40	53	-	-	11·1	9·9
9	Ilkley... , ...	b	b	34	61	-	-	11·0	13·0
	Harrogate ...	b	b	39	61	-	-	11·4	13·0
10	Berwick-on-T.	c	c	40	57	-	-	3·3	10·6
11	Dunbar ...	bcm	bcm	43	56	2	-	6·6	8·6
12	Troon... ...	coc	coc	46	53	-	-	5·0	3·7
	Douglas ...	b	b	42	57	-	-	11·0	11·9

† 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.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light southwest wind, becoming moderate, veering west to northwest later; fine to-day, light rain at first to-morrow; warm inland at first, temperature falling to the seasonal average to-morrow.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate to fresh southwest wind; cloudy, rain to-night, bright intervals to-morrow; rather warm at first; average temperature later.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate southwest wind, fresh locally, veering west to northwest; occasional rain; bright intervals later; becoming rather cold.
13 A. W. Scotld. / B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light northeast wind, becoming west to northwest, moderate; occasional rain at first; bright intervals and local showers later; rather cold.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Moderate southwest wind, veering west to northwest; occasional rain at first; bright intervals and local showers later; rather warm at first; average temperature later.

GENERAL INFERENCE.

An anticyclone southwest of Ireland is decreasing in intensity and another in Mid-Atlantic is spreading east. A shallow depression off Northwest Ireland is moving east. There will be occasional rain in the North followed by bright intervals. In the South weather will be fine and rather warm at first, but later there will be some light rain, and temperatures will fall to seasonal average.

FURTHER OUTLOOK.

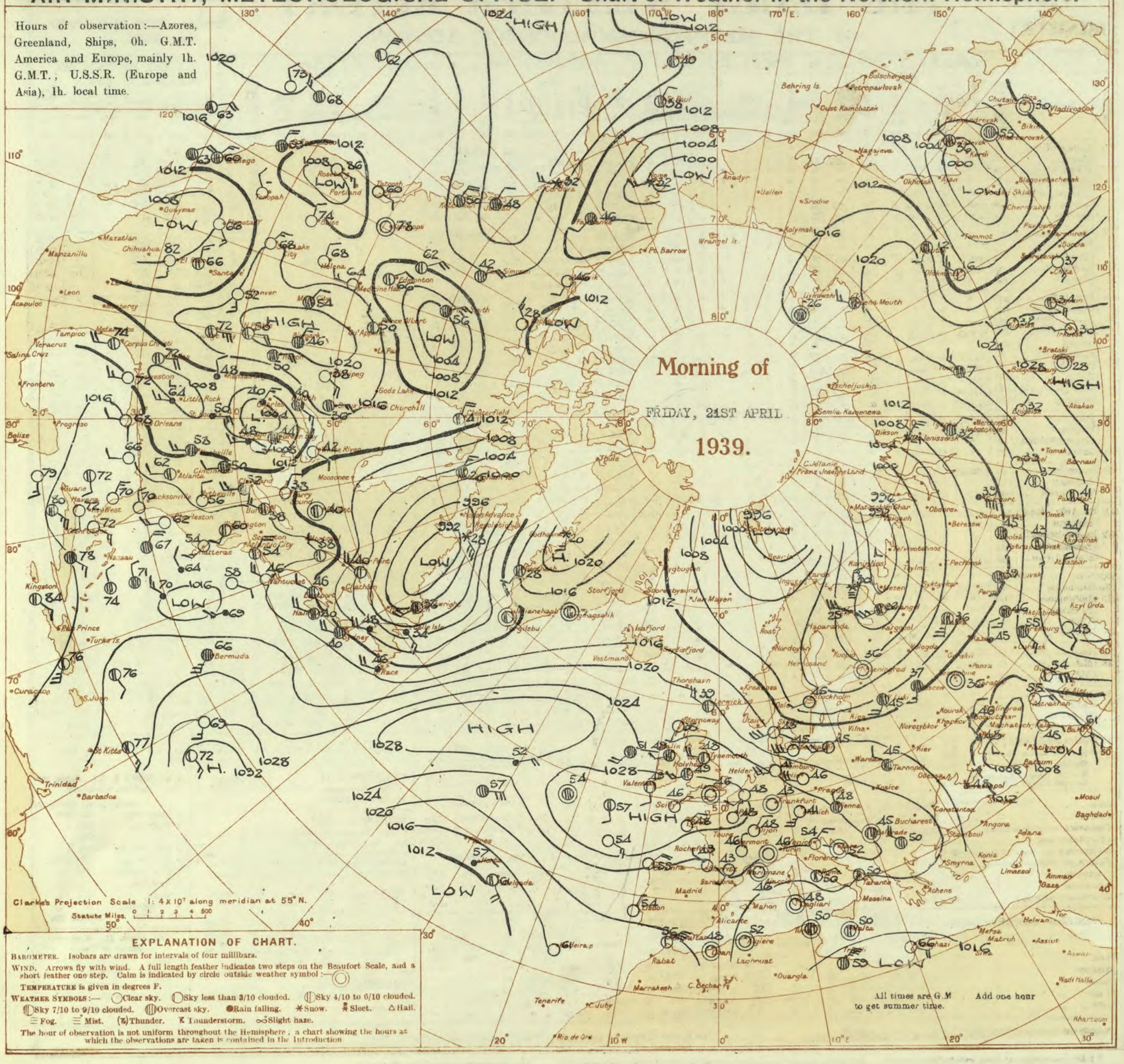
Showers in the North, fair in the South; average temperature.

Forecasts issued at 1000 G.M.T.

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

H.M.S.O. Press, Cornwall House, W.C.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, 21st April 1939.
No. 28274.

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

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	1028·5	+2	–	0	0	46	85	6	–	–	–	0	0	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1028·3	–4	NNW	2	0	52	65	6	–	–	–	0	0	–
	Manston	154	1027·6	–4	NW	3	0	50	75	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1026·9	–2	NW	2	b	48	75	6	–	–	–	0	0	–
	Mildenhall	19	1027·9	–2	SW	2	0	45	75	6	–	–	–	0	0	–
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	403	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Rhos-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1029·8	–8	SW	1	b	49	65	8	–	–	1	0	Tr	–
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1028·2	–8	NNW	2	bc	50	85	7	5	–	–	2-3	2-3	2500
	Plymouth	82	1029·7	–10	NW	1	b	47	65	8	–	–	–	0	0	–
	The Lizard	240	1030·1	–6	N	2	b	49	[illegible]	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1030·4	–8	ENE	1	b	46	97	8	–	–	–	0	0	–
	Guernsey	175	1029·3	–4	NNW	1	b	49	85	6	–	–	–	0	0	–
6	Pembroke	142	1029·5	–4	W'N	3	bc	48	97	8	5	–	9	2-3	2-3	2500
7	Holyhead	26	1027·8	–6	W'S	3	bc	49	65	8	–	–	6	0	4-6	–
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1026·8	–2	WNW	3	b	47	85	5	–	–	–	0	0	–
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1025·1	–8	W	4	bc	48	75	7	2	3	–	2-3	4-6	1500
11	St. Abbs Head	280	1024·3	0	WNW	3	c	47	85	7	5	6	–	7-8	9+	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1027·0	–6	WSW	2	bc	45	92	8	4	–	–	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1023·8	–2	SSW	1	b	38	92	8	–	–	–	0	0	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1022·2	–2	W	2	bc	38	92	8	5	7	–	2-3	4-6	1500
16	Lerwick	156	1019·5	+32	NW'N	4	bc	39	75	8	8	–	–	4-6	4-6	1500
17	Blacksod Point	18	1026·4	–12	SW	3	c	50	92	7	5	–	–	7-8	7-8	800
18	Malin Head	84	1025·6	–8	W'S	3	c/d	49	92	6	8	–	–	9	9	2500
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	029·5	–4	S'E	2	b	49	97	8	8	–	–	1	1	4000
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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 (29)	Sea 0–9 (30)
1	London (Kew)	1027·8	+4	–	0	0	46	85	5	–	–	1	0	1	–	0	*
	Croydon	1028·0	+4	SW'S	1	0	49	55	6	–	–	1	0	Tr	–	0	*
	S. Farnborough	1028·3	+2	–	0	0	37	97	6	–	–	4	0	1	–	0	*
	Boscombe Down	1028·6	+2	–	0	0	41	85	6	–	–	4	0	4-6	–	0	*
	Calshot (Sthmtn.)	1027·9	+2	NW'W	1	0	45	85	6	–	–	6	0	4-6	–	0	0
	Lympne	1027·6	0	ENE	1	0	50	65	7	–	–	1	0	Tr	–	0	§0
	Manston	1027·2	+2	NW	2	0	48	85	6	–	–	5	0	2-3	–	0	*
2	Shoeburyness	1027·5	0	W'N	1	bc	50	75	6	–	–	1	0	2-3	–	1	*
	Felixstowe	1027·1	+2	W'N	2	0	47	75	6	–	–	6	0	2-3	–	0	1
	Gorleston	1026·8	–4	W'S	2	bc	47	75	6	–	4	–	0	4-6	–	0	2
	Mildenhall	1026·9	0	SW'S	2	0	45	85	6	–	4	2	0	9	–	1	*
	Cranwell	1026·1	–6	SW'W	3	0	46	65	6	–	7	1	0	7-8	–	0	*
3	Birmingham	1027·1	0	SW	1	0	46	75	6	–	–	7	0	9+	–	1	*
	Upper Heyford	1027·9	–4	WSW	2	c	45	75	7	–	–	6	0	7-8	–	0	*
4	Rhos-on-Wye	1027·9	–6	W	1	0	39	85	6	–	–	2	0	9	–	0	*
5	Hartland Point	1028·2	+2	SW	2	bc	48	85	8	–	5	2	0	4-6	–	0	1
	Bristol	1027·9	–2	W'S	1	bc	43	85	7	–	–	4	0	4-6	–	0	*
	Portland Bill	1028·2	+4	N	1	bc	51	65	8	1	–	–	2-3	2-3	2500	1	2
	Plymouth	1028·9	+2	NE	1	bc	44	65	8	–	–	1	0	2-3	–	0	1
	The Lizard	1029·0	0	NE'N	2	bcf	50	45	1	7	–	–	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1028·7	+2	SE'E	1	bc	48	92	7	–	–	2	0	2-3	–	0	1
	Guernsey	1028·1	+2	–	0	0	51	75	6	–	–	6	0	4-6	–	0	1
6	Pembroke	1028·0	–2	W	1	c	49	92	7	7	7	1	2-3	7-8	4000	0	1
7	Holyhead	1026·1	–6	SSW	2	c	47	92	7	–	–	7	0	10	–	0	2
	Chester (Sealand)	1026·5	–2	–	0	0	43	85	6	–	7	8	0	9+	–	0	*
8	Manchester	1026·6	–2	SSE	1	m	42	85	4	–	–	6	0	7-8	–	1	*
10	Spurn Head	1025·3	*	W'N	3	bc	48	*	6	1	6	*	2-3	4-6	4000	0	2
	Catterick	1024·9	+4	S'W	1	c	46	85	7	5	1	–	4-6	9	2500	0	*
	Tynemouth	1024·4	0	SW	1	c	47	85	5	5	–	–	9	9	1500	0	1
11	St. Abbs Head	1024·1	–2	SE	2	0	45	97	7	8	2	–	7-8	10	1500	1	2
	Leuchars	1023·3	–4	–	0	c	46	85	8	5	6	2	4-6	7-8	4000	1	*
12	Renfrew (Abbots I.)	1023·5	–10	–	0	0	45	97	6	5	–	–	10	10	800	1	*
	Eskdalemuir	1023·6	–4	SSW	3	c	45	92	7	5	–	–	10	10	800	1	*
	Point of Ayre	1024·7	–8	W'S	3	c	49	85	8	–	7	6	0	9+	–	0	1
13A	Tiree	1020·6	–20	SSE	4	0	45	92	7	–	2	–	9+	9+	1500	1	3
13B	Stornoway	1021·5	–10	SSW	2	c	41	92	8	5	4	6	2-3	10	4000	1	1
15	Dalwhinnie	*	–12	NNE	2	c	38	92	8	4	2	–	2-3	10	2500	1	*
	Aberdeen	1022·3	0	WSW	1	bc	41	75	6	–	3	6	0	2-3	–	1	0
	Wick	1021·6	0	SW	2	c	43	85	8	5	7	8	7-8	9+	1500	1	1
16	Lerwick	1020·7	+4	S'E	1	c	41	85	8	8	7	–	4-6	7-8	1500	1	*
17	Blacksod Point	1022·6	–16	SW	3	c	50	85	8	5	–	–	7-8	7-8	800	0	2
18	Malin Head	1022·5	–8	SW	2	c/r	49	85	7	6	2	–	4-6	9+	2500	0	3
	Aldergrove	1024·5	–10	WSW	2	2	46	92	6	5	–	–	10	10	800	1	*
19	Birr Castle	1026·1	–4	SW	1	bc	42	97	7	5	3	–	2-3	4-6	2500	0	*
20	Valentia Obsy. †	1026·5	–10	S'E	2	c	46	92	8	1	–	2	Tr	9	1500	0	2
	Roches Point	1027·6	–2	NW	1	c	44	97	7	5	–	–	7-8	7-8	1500	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 20th Hrs. (36)
1	London (Kew)	68	43	27	–	–	12·0
	Croydon	69	39	32	–	–	12·7
	S. Farnborough	71	31	26	–	–	12·5
	Boscombe Down	67	36	31	–	–	12·7
	Calshot (Sthmtn.)	66	39	35	–	–	13·1
	Lympne	64	47	38	–	–	12·0
	Manston	64	42	31	–	–	11·5
2	Shoeburyness	64	39	29	–	–	11·9
	Felixstowe	65	44	36	–	–	12·3
	Gorleston	61	44	42	–	–	12·0
	Mildenhall	68	38	31	–	Tr	12·1
	Cranwell	66	41	32	–	–	12·7
3	Birmingham	67	42	30	–	–	13·1
	Upper Heyford	68	38	25	–	–	*
4	Rhos-on-Wye	68	35	22	–	–	13·2
5	Hartland Point	55	47	42	–	–	13·2
	Bristol	63	36	26	–	–	12·4
	Portland Bill	55	45	*	–	–	*
	Plymouth	64	40	35	–	–	12·9
	The Lizard	62	45	*	–	–	13·3
	Scilly (St. Mary's)	57	43	*	–	–	13·4
	Guernsey	61	43	32	–	–	12·8
6	Pembroke	51	46	*	–	–	12·9
7	Holyhead	57	43	39	–	–	11·4
	Chester (Sealand)	59	39	32	–	–	13·0
8	Manchester	60	37	30	–	–	12·4
10	Spurn Head	61	44	*	–	–	13·0
	Catterick	61	41	35	–	–	8·8
	Tynemouth	59	45	39	–	–	8·9
11	St. Abbs Head	54	44	*	–	0·2	*
	Leuchars	58	44	41	–	0·2	3·3
12	Renfrew (Abbots I.)	56	44	43	Tr	0·2	3·6
	Eskdalemuir	56	43	41	–	0·4	6·8
	Point of Ayre	60	43	*	–	–	11·7
13A	Tiree	53	44	43	1	1	1·8
13B	Stornoway	51	38	*	1	0·3	4·6
15	Dalwhinnie	49	34	28	0·3	–	0·0
	Aberdeen	59	36	30	1	–	0·6
	Wick	58	37	*	3	–	*
16	Lerwick	49	36	*	0·4	Tr	8·5
17	Blacksod Point	56	48	*	–	–	*
18	Malin Head	56	47	*	–	Tr	0·7
	Aldergrove	59	44	41	–	–	8·0
19	Birr Castle	61	40	32	–	–	12·3
20	Valentia Obsy. †	60	44	38	–	Tr	12·8
	Roches Point	55	42	*	Tr	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	bmbzy	bzyby	bybmw	68	43	27	–	–	12·0	*	*	6
CROYDON	217	bmzy	bzybmw	bmwmy	69	39	32	–	–	12·7	*	*	6
GREENWICH (Royal Observatory)	149	bzy	by	bw	71	39	29	–	–	12·2	36	51	6
CITY (Bunhill Row)	—		*	*	*	*	*	*	*	11·8	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	71	43	35	–		12·6	41	59	*
REGENTS PK. (Botanic Gardens)†	168	*	*	*	70	43	31	–	–	12·0	43	58	*
CAMDEN SQUARE	110	0	b	*	73	44	35	–	–	*	*	57	*
KENSINGTON	80	b	bm	*	72	43	31	–	–	12·0	At 18h 30	63	*
HAMPSTEAD OBSERVATORY	450	bc	b	bc	69	43	34	–	–	12·3	*	53	*

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	9-10h 20th	<0·3	16-17h 20th

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·2	6h 21st	<0·1	16h 20th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 20th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 21st April 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						1027·5	–	0	0	46		41		–
BRUSSELS	1028·1	NNW	3	b	59	1026·3	SW	1	b	48	66	43	–	–
BERLIN	1022·8	WNW	5	b	55	1021·4	W	5	c	45	59	43	–	–
ZURICH	1024·0	NNE	2	b	57	1024·8	N	1	b	43	64	39	–	–
ROME	1017·1	WSW	2	c	59	1020·5	NNE	2	b	52	*	*	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	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

Saturday, 22nd April, 1939.

No. 28275.

OBSERVATIONS at 13h. G.M.T. 21st 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)	°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)...	1024.5	-24	SWW	3	bc	63	35	8	-	-	2	0	4-6	-
	Croydon	1024.5	-22	WS	4	c	67	35	8	-	-	2	0	7-8	-
	S. Farnborough	1024.6	-20	SW	3	c	67	25	8	-	-	2	0	7-8	-
	Boscombe Down	1024.9	-24	W	3	zo	65	35	7	-	-	8	0	4-6	-
	Calshot (Soton.)	1025.7	-16	SSW	4	c	64	25	8	-	-	6	0	9	-
	Lympne ...	1026.1	-10	SW	2	bc	61	55	8	-	-	4	0	4-6	-
	Manston ...	1025.0	-18	SEE	3	c	59	55	7	-	-	6	0	9	-
2	Shoeburyness ...	1024.8	-18	ESE	2	c	60	55	6	-	-	6	0	9+	-
	Felixstowe ...	1024.7	-18	S	4	c	58	55	7	-	-	8	0	7-8	-
	Gorleston ...	1023.5	-18	WNW	3	c	59	65	6	5	3	-	2-3	10	2500
	Mildenhall ...	1023.6	-22	WSW	3	c/	64	45	7	1	-	6	Tr	7-8	7200
	Cranwell ...	1023.3	-18	SW	3	zo	61	45	6	-	-	4	0	7-8	-
3	Birmingham ...	1023.7	-18	SSW	3	c	61	45	8	-	-	8	0	7-8	-
	Upper Heyford	1024.5	-18	SW	2	c	65	45	7	1	3	6	Tr	7-8	5700
4	Ross-on-Wye ...	1023.4	-20	WS	3	bc	65	35	7	-	-	2	0	2-3	-
5	Hartland Point	1026.0	-14	SW	3	bc	52	75	8	-	-	3	0	4-6	-
	Bristol	1025.3	-18	WS	3	bc	62	45	8	-	4	8	0	4-6	-
	Portland Bill ...	1026.0	-14	WSW	1	bc	54	75	8	1	-	-	4-6	4-6	2500
	Plymouth ...	1026.4	-16	SW	3	bc	54	65	8	-	-	8	0	4-6	-
	The Lizard ...	1027.3	-6	SE	2	bc	56	55	8	7	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	1026.7	-14	SW	2	bc	59	65	8	-	1	2	0	4-6	5700
	Guernsey ...	1026.8	-12	EN	1	zo	60	65	6	-	-	1	0	1	-
6	Pembroke ...	1025.6	-10	WSW	4	c	53	85	7	5	7	2	2-3	7-8	2500
7	Holyhead ...	1021.9	-26	SSW	5	c	52	75	8	5	-	7	Tr	9+	800
	Chester (Sealand)	1022.1	-28	SW	3	c	64	35	8	-	7	8	0	7-8	-
8	Manchester ...	1021.9	-34	SWW	3	c	61	35	7	-	-	8	0	7-8	-
10	Spurn Head ...	1022.5	-20	SE	3	bc	55	65	5	-	-	2	0	2-3	-
	Catterick ...	1020.8	-24	SW	4	c	57	55	7	1	-	9	2-3	9	4000
	Tynemouth ...	1019.6	-34	SW	3	c	57	55	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head...	1019.0	-16	SE	3	c	45	97	6	3	2	-	7-8	10	800
	Leuchars ...	1018.3	-36	SE	1	c/r	47	92	7	5	2	-	9	10	800
12	Renfrew (Abbotsl.)	1018.1	-30	SWW	3	c	51	75	6	8	2	-	9	9+	800
	Eskdalemuir ...	1018.7	-30	SWS	6	c	51	75	7	5	-	6	9	9	1500
	Point of Ayre ...	1020.7	-2	WS	5	c	54	75	8	8	7	-	4-6	7-8	2500
13A	Tiree	1013.8	-30	SSW	6	d.d.	49	92	7	6	2	-	7-8	9+	1500
13B	Stornoway ...	1015.8	-24	ESE	3	rr	43	92	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1018.5	-34	W	3	ir	44	85	7	4	2	-	4-6	10	2500
	Aberdeen ...	1018.1	-32	SSW	3	iro	46	85	6	9	2	-	9	9+	1500
	Wick	1017.2	-20	S	3	c	45	85	8	5	2	-	4-6	10	1500
16	Lerwick... ...	1017.3	-24	SE	4	c	44	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1018.3	-30	SW	5	iro	52	92	7	6	-	-	10	10	450
18	Malin Head ...	1017.2	-26	SW	4	c/d	50	85	8	6	-	-	9	9	2500
	Aldergrove ...	1019.0	-34	WS	4	c	52	65	8	5	-	-	9+	9+	1500
19	Birr Castle ...	1021.7	-20	WS	4	c	55	65	7	8	7	3	4-6	7-8	1500
20	Valentia Obsy †	1024.1	-14	SW	5	c	54	85	8	8	7	-	7-8	9+	1500
	Roches Point ...	1023.5	-20	SW	3	c	54	85	8	7	-	5	2-3	7-8	2500

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

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)	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)	1020.0	-22	W	3	c	63	45	8	-	-	7	0	9+	-	0	*
	Croydon	1020.8	-20	SSW	3	c	62	45	8	-	-	5	0	9+	-	0	*
	S. Farnborough	1020.1	-24	SWW	3	c	63	35	8	-	-	2	0	9	-	0	*
	Boscombe Down	1021.0	-22	WSW	3	c	60	55	7	-	-	8	0	7-8	-	0	*
	Calshot (Soton.)	1021.3	-18	SWS	4	c	55	55	7	-	-	6	0	7-8	-	0	1
	Lympne	1021.9	-22	SWW	2	c	54	65	7	-	-	8	0	9	-	0	§ 1
	Manston	1020.3	-20	SWW	3	c	59	55	6	-	-	6	0	7-8	-	0	*
2	Shoeburyness	1019.7	-28	SW	4	c	61	45	8	-	7	8	0	9	-	0	*
	Felixstowe	1019.5	-30	SW	2	c	53	75	7	-	5	8	0	7-8	-	0	1
	Gorleston	1019.1	-22	SW	3	c	61	55	6	-	4	8	0	9+	-	0	2
	Mildenhall	1018.1	-24	SSW	2	c	61	55	7	-	-	8	0	9	-	0	*
	Cranwell	1017.7	-28	SW	2	c	59	55	7	-	7	-	0	9+	-	0	*
3	Birmingham	1018.6	-26	SW	3	c	59	45	8	-	1	8	0	9	-	0	*
	Upper Heyford	1019.9	-20	WS	4	c	59	45	7	-	4	6	0	9	-	0	*
4	Ross-on-Wye	1019.3	-24	WSW	3	bc	58	45	7	-	-	2	0	4-6	-	0	*
5	Hartland Point	1020.7	-30	WSW	3	bc	52	55	8	-	-	6	0	4-6	-	0	2
	Bristol	1021.4	-26	W	4	c	55	45	8	-	4	8	0	7-8	-	0	*
	Portland Bill	1021.1	-26	SW	2	c	51	85	8	1	4	-	4-6	9	2500	0	2
	Plymouth	1022.6	-24	SW	2	bc	53	75	7	-	-	8	0	4-6	-	0	2
	The Lizard	1023.4	-20	WS	1	bc	54	85	8	7	4	-	2-3	2-3	2500	0	1
	Scilly (St. Mary's)	1023.4	-12	WSW	3	bc	54	85	8	4	-	4	2-3	2-3	4000	0	1
	Guernsey	1022.7	-24	WNW	1	zo	61	55	6	-	1	-	0	1	-	0	1
6	Pembroke	1020.3	-24	W	5	bc	51	85	7	8	7	2	2-3	4-6	2500	0	2
7	Holyhead	1016.1	-30	SSW	5	c	50	85	7	5	-	8	1	9+	800	0	2
	Chester (Sealand)	1017.3	-30	SWS	4	c	57	35	8	5	7	8	4-6	9+	5700	0	*
8	Manchester	1016.7	-36	SWW	4	c	57	35	7	-	3	6	0	9+	-	1	*
10	Spurn Head	1016.3	-26	WSW	4	c	58	45	6	5	-	7	4-6	10	4000	0	2
	Catterick	1015.2	-22	WSW	2	bc	54	45	8	-	4	9	0	4-6	-	0	*
	Tynemouth	1013.9	-28	W	4	c	55	45	6	2	3	-	4-6	7-8	1500	0	1
11	St. Abbs Head	1011.6	-14	SSW	5	c	49	75	7	8	6	-	4-6	7-8	1500	0	3
	Leuchars	1010.8	-42	SSW	2	zo	49	85	6	5	7	-	7-8	9+	800	1	*
12	Renfrew (Abbotsl.)	1011.1	-46	SWW	2	iro	49	85	6	5	7	-	7-8	9+	1500	1	*
	Eskdalemuir	1012.2	-44	SWS	5	c	47	85	7	5	-	-	9+	9+	800	1	*
	Point of Ayre	1013.8	-40	SWW	5	c	56	75	8	5	-	-	7-8	7-8	4000	0	·2
13A	Tiree	1006.9	-40	W	4	c/r	45	85	7	8	-	-	7-8	7-8	1500	1	4
13B	Stornoway	1010.3	-32	ENE	4	c/r	40	85	8	5	7	-	7-8	9+	2500	1	2
15	Dalwhinnie	1010.5	-40	W	3	c	43	92	7	4	6	-	4-6	10	2500	1	*
	Aberdeen	1009.9	-52	SSW	2	c	47	85	5	6	7	-	2-3	9+	1500	1	1
	Wick	1008.9	-44	ENE	3	r.ro	44	97	6	5	2	-	9	10	800	1	1
16	Lerwick	1012.0	-20	S	3	phr	42	85	7	8	3	-	4-6	9	800	1	*
17	Blacksod Point	1016.0	-12	NWW	6	bcq	49	65	8	3	-	-	4-6	4-6	800	0	3
18	Malin Head	1011.2	-24	W	4	c/pr	46	85	8	9	-	5	4-6	7-8	4000	0	3
	Aldergrove	1012.3	-36	W	3	r.r.	50	85	7	5	2	-	9+	10	1500	1	*
19	Birr Castle	1016.6	-26	WSW	4	iro	51	75	7	6	2	-	4-6	10	800	0	*
20	Valentia Obsy †	1021.9	-6	NWW	5	pr	49	85	8	8	2	-	7-8	9+	1500	1	3
	Roches Point	1019.6	-26	W	4	c	54	75	8	.3	-	6	4-6	9	1500	0	3

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 21st (37)	13h.—18h. 21st (38)	18h. 21st to 1h. 22nd (39)	1h.—7h. 22nd (40)
1	London (Kew)	bczo⊕bcy	bccy⊕	cybc	bc
	Croydon	bzoyc⊕	bccyv⊕	cvy⊕bc	bvc
	S. Farnborough	bmoc⊕bcy	bccy⊕	cyb	bcb, cpro
	Boscombe Down	bcmo	bcmocy	cybcb	bbccbc
	Calshot (Soton.)	bbmocmo	bccbcy	bcycb	cbcb
	Lympne	bzobcy	bcy⊕bc	cbcyb	bwcbc
	Manston	czo⊕	czocy	cbcyzo	bybcc
2	Shoeburyness	b,czoy	czocy	cybc	bc
	Felixstowe	bmobcy	bcc	cbcmo	bcmoc
	Gorleston	bcczoy	bcczoy	cbzob	bbccb
	Mildenhall	bcmoy	bcycy	cycbcmb	b,c
	Cranwell	bcczoy	czoy	cybcb	crbccro
3	Birmingham	cbcc	bcc	cbcc	prcbc
	Upper Heyford	cczobcy	bcycy	bc	bcprobc
4	Ross-on-Wye	czobcy	bcycbcy	bcycp	cbcb
5	Hartland Point	bc	bcy	bccorc	cbcc
	Bristol	bcy	bccy	cbcq	cprobccq
	Portland Bill	bc	bcc	bc	bcprc
	Plymouth	bbccy	bc	bbc	bccpr
	The Lizard	bcy	bc	bccw	cbc
	Scilly (St. Mary's)	bccbc	bc	bcbbcq	bc
	Guernsey	bczo	bczo	bczw	bwbc
6	Pembroke	c	cbc	cprbcq	bccq
7	Holyhead	c⊕	c⊕	proc	cprob (gale)
	Chester (Sealand)	cmo⊕	cy⊕	cyrR	cpr (gale)
8	Manchester	cmwcmo	bcbcycy	cycroR	cpr
10	Spurn Head	bcz	czo	cocq	cqpr
	Catterick	ccy	cybcy	bcoiro	ocproc
	Tynemouth	c	c	bccp	cpo
11	St. Abbs Head	cmo	c	rrcbc	cqPR (gale)
	Leuchars	irororoc	iriro cmo	roromoc	roRRrobc
12	Renfrew (Abbotsl.)	ddo ffirc	cmoiro	mororrpro	cproprbc
	Eskdalemuir	c	cidomoc	corrmo	crrbc
	Point of Ayre	c	c	rrcbc	cbc (gale)
13A	Tiree	orrd	odRc	Rcc	cpr
13B	Stornoway	crr	CRR	cPRbc	bccpr
15	Dalwhinnie	ciR	cir	•	cRs
	Aberdeen	ccir.	roroc	circr	rcrorocpr
	Wick	c	cr ror	crrq	rrcpr
16	Lerwick	c	prirphr	cprrr	crrro
17	Blacksod Point	iroc	proq	phroq	prcq
18	Malin Head	c	cidoPRc	cprcprbc	cbcprbcpro
	Aldergrove	cmoc	cidoror.	rorobcc	prqproq
19	Birr Castle	bcc	ciro	cirob	bc
20	Valentia Obsy †	c	pr pro	probc	cprobc
	Roches Point	c⊕	c⊕	cprbc	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. ro, slight rain. rr, continuous rain.
<, less than (for cloud height). (gale symbol) 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.*

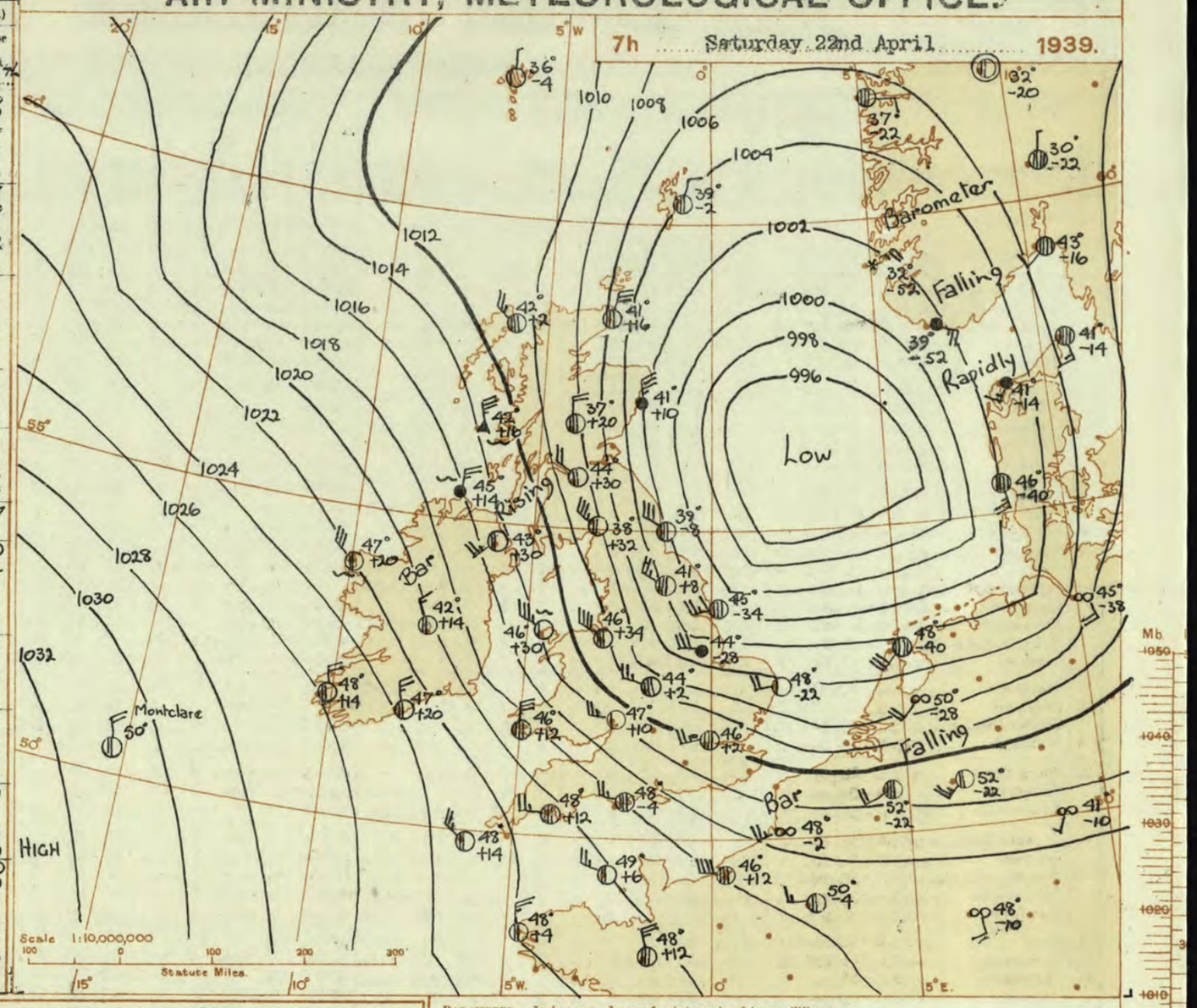
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 21st April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	b	b	35	67	-	-	10·9	12·6
	Bournemouth	b	b	42	67	-	-	11·2	12·9
	Ventnor ...	bz	bbc	47	62	-	-	11·1	12·6
	Southsea ...	b	b	44	67	-	-	11·1	12·9
	Bognor Regis	b	bbc	43	57	-	-	11·1	12·6
	Littlehampton	bc	bc	43	59	-	-	11·3	12·7
	Worthing ...	b	bbc	46	61	-	-	11·5	12·8
	Brighton ...	b	b	49	61	-	-	11·1	12·5
	Eastbourne† ...	by	bybcy	47	64	-	-	11·4	12·2
	Hastings† ...	b	bcbbc	48	60	-	-	11·6	12·4
	Folkestone ...	b	bbc	44	62	-	-	11·1	11·1
	Dover ...	bc	bc	46	62	-	-	11·2	11·6
	Deal	b	bbc	42	65	-	-	10·7	11·0
	Ramsgate ...	bc	bc	45	60	-	-	11·1	11·5
	Margate ...	bc	bc	47	66	-	-	11·5	11·8
2	Southend ...	bmb	b	46	66	Trace	-	11·4	12·3
	Clacton-on-Sea	bcz	bcz	42	57	-	-	11·1	12·5
	Dovercourt ...	bcz	bc	44	61	-	-	11·3	12·2
	Lowestoft ...	bz.bc	bbcbc	53	66	-	-	8·6	12·3
	Skegness ...	b	bbc	41	64	-	-	10·2	12·8
	Mablethorpe...	b	bbcy	39	64	-	-	10·1	12·8
	Cleethorpes ...	b	bbc	42	65	-	-	9·5	13·0
3	Leamington S.	cbc	bcc	38	67	-	-	7·8	12·7
4	Cheltenham†	wqb	bbcy	37	66	-	-	9·3	13·2
5	Bath	b	b	35	65	-	-	11·1	13·0
	Weymouth ...	b	b	43	60	-	-	11·4	13·4
	Jersey ...	b	b	44	67	-	-	11·6	13·2
	Torquay ...	by	byb	39	65	-	-	12·0	13·2
	Falmouth ...	b	b	43	64	-	-	11·5	13·4
	Penzance ...	b	b	41	62	-	-	10·8	13·0
	St. Ives ...								
	Bude... ...	b	b	33	56	-	-	11·2	12·9
	Ilfracombe ...	bcbbc	bbc	43	58	-	-	11·2	13·1
6	Aberystwyth	cbc	bcc	41	57	-	-	8·1	12·2
7	Llandudno ...	cbc	bcc	43	60	-	-	6·8	13·0
	Colwyn Bay...	bcc	bcc	42	60	-	-	5·3	12·9
	Rhyl								
8	Wallasey ...	bc	bc	45	62	-	-	8·2	13·0
	Southport ...	bcbbc	bccy	46	58	-	-	6·8	13·1
	Blackpool ...	c	bcbc	44	56	-	-	7·2	12·3
	Morecambe ...	cbcb	b	42	54	-	-	5·9	12·0
9	Ilkley... ...	bc	b	40	62	-	-	7·4	12·0
	Harrogate ...	cbc	bbc	43	62	-	-	5·6	13·0
10	Berwick-on-T.	or.	cobc	44	55	1	Trace	1·9	4·4
11	Dunbar ...	crr	cr.m.	44	54	1	0·5	0·1	7·4
12	Troon... ...	ococ	coco	44	54	-	-	0·1	5·3
	Douglas ...	bc	bc	44	53	-	-	5·0	12·0

† 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. 22nd April, 1939.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Fresh to strong, squally, northwest wind, gale locally on coasts at first; bright intervals, showers, local hail and thunder; cold.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Fresh, squally, northwest wind, strong locally on coasts; bright intervals, local showers of rain and hail; cold.
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	Fresh to strong, squally, northwest wind; gale locally at exposed places, decreasing later; bright intervals, showers of rain or hail; snow locally, particularly on high ground; cold.
17 N. W. Ireland 18 N. E. Ireland 19 S.E. Ireland 20 S. W Ireland	Fresh, squally, northwest wind, backing west; bright intervals and showers at first; perhaps rain later; cold.

GENERAL INFERENCE.

A deep depression over the North Sea is moving southeast, and there are indications of a small depression north of Scotland also moving southeast. There will be showers in all districts, accompanied locally in the North and East by hail and thunder. Snow will occur locally in the North, especially on high ground.

FURTHER OUTLOOK.

Unsettled, probably milder.

Times of Issue of Gale Warnings.

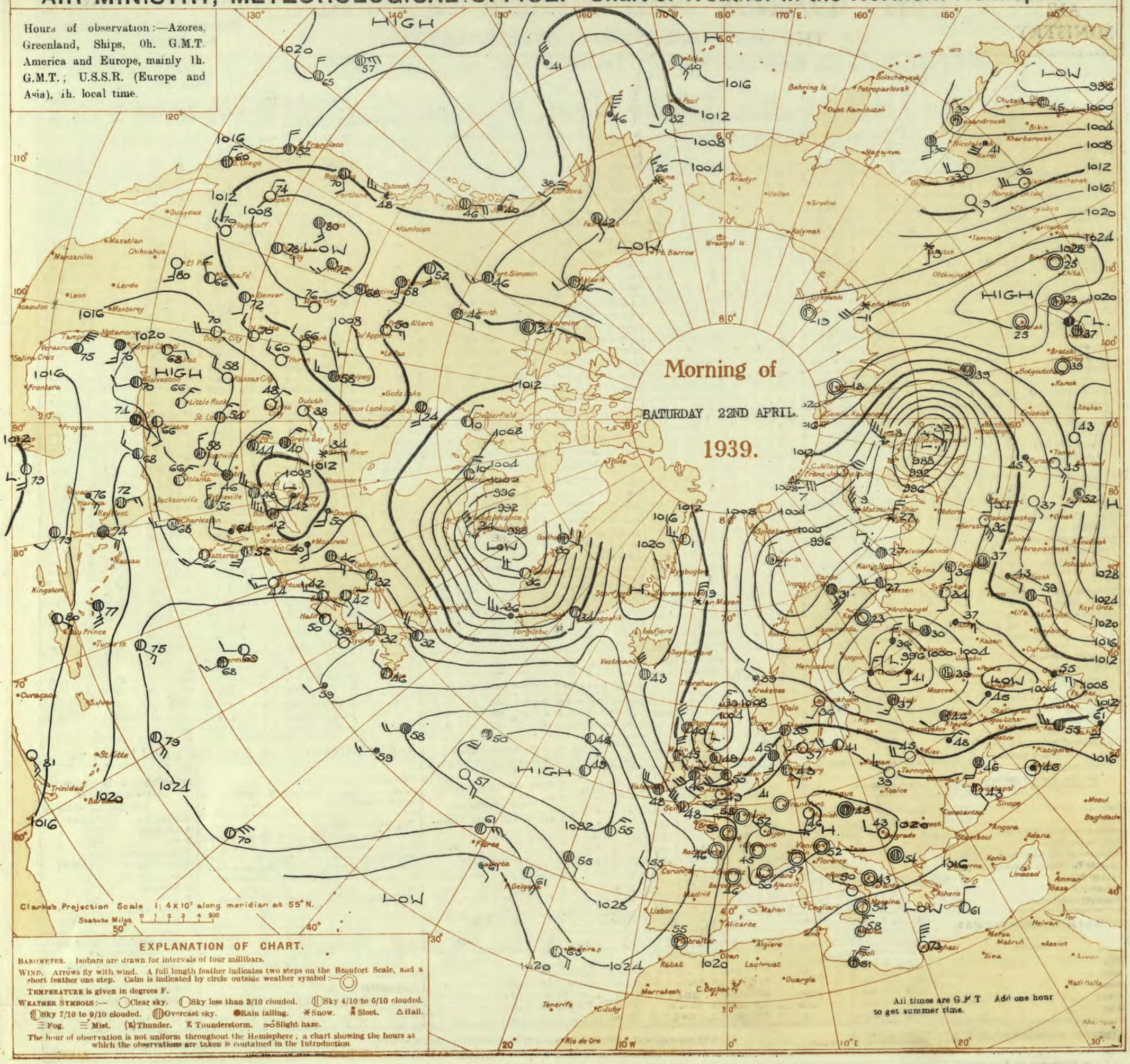
North Cone hoisted at 1845 G.M.T. on 21/4/39 in districts 7,8,12,13A, 13B and 18, and at 0730 G.M.T. on 22/4/39 in districts 1,2,10,11,15 and parts of 5,6,16 and 19.

Forecasts issued at 0940 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

Saturday, 22nd April, 1939

No. 28275.

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

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	1015·6	-26	SW	3	b	49	65	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·8	-30	SW'S	2	b	43	75	7	-	-	-	0	0	-
	Manston ...	154	1015·0	-30	SW	3	b	46	55	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1012·3	-36	SW	3	b	50	75	8	-	-	-	0	0	-
	Mildenhall ...	19	1012·4	-30	SW'S	4	b	49	65	7	5	-	-	1	1	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1017·6	-12	NW	4	c/r	46	92	8	5	-	-	7-8	7-8	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·2	-20	W	3	bc	48	85	8	5	-	-	4-6	4-6	2500
	Plymouth ...	82	1018·9	-20	W	3	bc	49	92	7	5	-	-	4-6	4-6	2500
	The Lizard ...	240	1020·6	-16	W	4	c	49	97	7	8	6	-	7-8	9+	1500
	Scilly (St. Mary's)	163	1021·5	-8	NW'N	6	bcq	48	85	8	8	-	-	2-3	2-3	2500
	Guernsey ...	175	1019·0	-20	W	3	b	49	92	6	-	-	-	0	0	-
6	Pembroke ...	142	1016·7	-6	NW	5	bcq	46	75	7	8	-	-	2-3	2-3	2500
7	Holyhead ...	26	1010·8	-28	WSW	6	c	46	75	8	9	2	-	7-8	9+	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·4	-40	WSW	4	cq	50	65	7	-	2	-	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1005·8	-32	SW	3	c/pr	49	85	7	9	-	-	7-8	7-8	1500
11	St. Abbs Head	280	1003·2	-32	W	5	bc/r	41	85	8	8	4	-	4-6	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1008·2	-26	W'N	6	bc	43	92	8	4	-	-	2-3	2-3	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010·1	+6	NNW	5	bc/pr	40	75	8	8	-	-	2-3	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003·3	-2	NNE	6	rr	40	92	7	5	2	-	9	10	1500
16	Lerwick ...	156	1006·9	-28	NE	3	rr	39	92	7	6	2	-	4-6	10	800
17	Blacksod Point	18	1019·3	+24	NW	6	bc	46	75	8	9	-	-	4-6	4-6	800
18	Malin Head ...	84	1011·8	+26	N	6	bcjp	45	65	7	2	-	-	4-6	4-6	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1023·4	+6	NW	6	c	48	92	8	8	-	-	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 22nd 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)	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)	1011·7	-4	W'S	4	bc	48	65	8	5	-	-	4-6	4-6	1500	0	*
Croydon ...	1012·6	+2	WSW	5	c	46	75	8	4	-	-	7-8	7-8	4000	0	*
S. Farnborough	1012·8	-2	W'S	6	c/pr	47	65	8	5	-	-	9	9	2500	0	*
Boscombe Down	1014·7	0	NW'W	5	bc	46	75	8	5	-	-	4-6	4-6	2500	0	*
Calshot (Sthmtn.)	1014·6	-2	W	5	bc	47	75	8	7	4	-	2-3	2-3	4000	0	§3
Lympne ...	1013·2	-10	W	5	bc	45	75	7	5	7	-	4-6	4-6	1500	0	§3
Manston ...	1010·8	-10	WSW	5	bc	46	75	7	8	7	-	2-3	4-6	2500	0	*
Shoeburyness ...	1010·6	-10	W'S	6	bc	48	65	8	1	4	-	2-3	2-3	2500	0	*
Felixstowe ...	1009·3	-24	W	6	b	47	65	8	8	4	-	Tr	1	2500	0	4
Gorleston ...	1006·6	-22	W'S	4	b	48	65	7	1	4	-	Tr	1	2500	0	2
Mildenhall ...	1007·6	-12	SW'W	6	pr	45	75	8	5	3	-	9	9+	1500	1	*
Cranwell ...	1005·3	-28	W	6	r/c	44	75	8	5	-	-	9+	9+	2500	1	*
Birmingham ...	1010·3	+2	WNW	5	c/pr	44	75	8	8	7	-	7-8	9	1500	1	*
Upper Heyford	1011·6	-10	WNW	5	bc	45	75	9	5	-	-	2-3	2-3	1500	0	*
Ross-on-Wye	1014·1	+10	W'N	5	bq	47	65	8	1	-	-	1	1	2500	0	*
Hartland Point	1019·2	+22	NW	5	c	46	85	8	8	-	-	7-8	7-8	1500	0	4
Bristol ...	1018·7	+12	WNW	5	bc	47	65	8	4	-	-	4-6	4-6	2500	0	*
Portland Bill ...	1017·5	-8	WNW	5	c	48	92	8	5	-	-	7-8	7-8	2500	1	3
Plymouth ...	1020·2	+12	W'N	5	c/pr	48	75	8	8	-	-	9+	9+	1500	0	2
The Lizard ...	1021·7	+12	WNW	5	bc	47	75	8	8	6	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1022·9	+14	NW'N	5	bc	48	85	8	8	4	-	4-6	4-6	2500	0	3
Guernsey ...	1019·1	+6	NW	5	bc	45	75	7	1	3	8	1	4-6	2500	0	3
Pembroke ...	1019·1	+12	N'W	6	cq	46	75	7	9	-	-	7-8	7-8	1500	1	3
Holyhead ...	1014·0	+20	NW'W	7	b	46	65	8	2	4	-	1	1	2500	1	4
Chester (Sealand)	1011·8	+34	WNW	8	c/pr	46	65	8	2	-	-	9	9	1500	1	*
Manchester ...	1008·4	+22	WNW	6	pr	44	75	8	8	3	-	7-8	9+	1500	1	*
Spurn Head ...	1002·2	-34	WSW	5	c/pr	45	88	6	9	-	-	9+	9+	1500	0	3
Catterick ...	1003·6	+8	NW	5	c/pr	41	85	9	8	-	-	7-8	7-8	1500	1	*
Tynemouth ...	1002·7	-8	NW	6	c/pr	39	85	7	8	-	-	9	9	1500	1	2
St. Abbs Head	1001·4	+16	NW	8	PR	42	85	9	3	6	-	4-6	9	1500	1	5
Leuchars ...	1004·5	+28	NW	7	cq	42	75	9	8	7	6	2-3	7-8	2500	1	*
Renfrew (Abbots I.)	1009·2	+30	NW	4	bc	44	65	9	7	3	-	1	2-3	2500	1	*
Eskdalemuir ...	1005·8	+32	NW	7	bc/r	38	85	8	3	3	6	2-3	4-6	1500	1	*
Point of Ayre ...	1011·8	+44	N'W	7	bc	45	85	8	2	-	-	2-3	2-3	4000	0	4
Tiree ...	1013·4	+16	NNW	7	PHR	42	85	7	9	-	-	7-8	7-8	1500	1	5
Stornoway ...	1010·9	+2	NW	5	cjp	42	75	8	8	6	-	7-8	9	2500	1	3
Dalwhinnie ...	1008·0	+20	N	4	c	37	85	8	4	2	-	7-8	10	2500	1	*
Aberdeen ...	1001·5	+10	NW	7	pr	41	85	6	9	3	-	4-6	7-8	1500	1	2
Wick ...	1005·2	+16	NNE	6	c/pr	41	75	8	8	7	1	4-6	7-8	1500	1	2
Lerwick ...	1003·6	-2	NNE	2	c/r	39	92	8	8	1	-	4-6	9+	800	1	*
Blacksod Point	1021·9	+20	NW	6	bc	47	75	8	9	-	-	4-6	4-6	1500	1	4
Malin Head ...	1016·0	+14	N	5	pr	45	75	8	6	-	-	4-6	4-6	4000	0	4
Aldergrove ...	1015·1	+30	NNW	5	bc/pr	43	75	9	3	-	-	2-3	2-3	1500	1	*
Birr Castle ...	1020·5	+14	NNW	3	bc	42	85	8	5	4	-	2-3	2-3	2500	0	*
Valentia Obsy. †	1025·7	+14	N'W	4	bc/pr	48	75	8	8	-	-	4-6	4-6	2500	1	3
Roches Point	1023·1	+20	NNW	5	bc	47	85	8	3	-	-	2-3	2-3	2500	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 21/54 Hrs. (36)
London (Kew)	67	46	41	-	-	10·4
Croydon ...	69	45	41	-	-	11·2
S. Farnborough	68	43	39	-	Tr	11·8
Boscombe Down	65	42	33	-	-	11·6
Calshot (Sthmtn.)	65	44	41	-	Tr	12·3
Lympne ...	63	40	34	-	-	11·5
Manston ...	64	42	38	-	-	11·4
Shoeburyness ...	64	46	38	-	-	11·7
Felixstowe ...	59	46	43	-	-	11·3
Gorleston ...	65	46	45	-	-	8·5
Mildenhall ...	66	43	40	-	-	8·5
Cranwell ...	63	41	37	-	0·3	9·1
Birmingham ...	63	42	37	-	1	7·5
Upper Heyford	67	40	33	-	0·5	*
Ross-on-Wye	66	44	38	-	0·6	9·8
Hartland Point	54	45	43	-	1	11·9
Bristol ...	63	44	39	-	0·1	11·2
Portland Bill ...	54	46	*	-	Tr	*
Plymouth ...	56	46	43	-	0·3	12·7
The Lizard ...	59	46	*	-	-	13·3
Scilly (St. Mary's)	60	47	*	-	-	12·9
Guernsey ...	60	47	39	-	-	13·3
Pembroke ...	54	45	*	-	0·4	11·0
Holyhead ...	53	44	42	-	0·3	5·6
Chester (Sealand)	65	44	36	-	·2	5·6
Manchester ...	63	42	38	-	2	6·2
Spurn Head ...	64	43	*	-	Tr	8·8
Catterick ...	59	40	36	-	0·1	8·1
Tynemouth ...	59	38	37	-	0·6	3·5
St. Abbs Head	54	38	*	0·4	7	*
Leuchars ...	50	39	38	2	5	0·0
Renfrew (Abbots I.)	51	40	36	1	3	0·1
Eskdalemuir ...	52	35	35	Tr	7	1·0
Point of Ayre ...	60	43	*	-	1	5·5
Tiree ...	50	40	38	9	5	0·3
Stornoway ...	47	38	*	16	1	0·2
Dalwhinnie ...	46	33	32	2	4	0·0
Aberdeen ...	50	39	37	1	3	4·2
Wick ...	49	39	*	6	6	*
Lerwick ...	45	37	*	3	5	4·9
Blacksod Point	54	43	*	1	2	*
Malin Head ...	50	40	*	2	2	0·4
Aldergrove ...	54	40	36	Tr	3	0·6
Birr Castle ...	58	40	37	Tr	0·5	6·5
Valentia Obsy. †	56	45	41	0·6	1	3·0
Roches Point	55	45		-	0·3	*

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	bcz⊕bcy	bcey⊕	cybc	67	46	41	-	-	10·4	*	*	8
CROYDON ...	217	bzyc⊕	bccyv⊕	cvybc	69	45	41	-	-	11·2	*	*	8
GREENWICH (Royal Observatory) ...	149	b⊕y	bcy	cbcy	70	45	38	-	-	10·5	21	53	7
CITY (Gunhill Row) ...	—	*	*	*	*	*	*	*	*	10·2	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	70	46	40	-	-	10·9	39	61	*
REGENTS PK. (Botanic Gardens)‡ ...	168	*	*	*	68	45	43	-	-	*	38	59	*
CAMDEN SQUARE ...	110	b	bc	*	71	45	41	-	-	*	*	59	*
KENSINGTON ...	80	bc	bc	*	70	46	39	-	-	11·1	At 18h. 35	57	*
HAMPSTEAD OBSERVATORY ...	450	bc	b	bc	67	43	37	-	-	11·4	*	77	*

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.
0·2	8h. 21st.	40·1	2-5h. 22nd.

FOREIGN OBSERVATIONS.

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS ...	1021·5	NW	2	b	70
BRUSSELS ...	1021·4	NW	2	c	61
BERLIN ...	1019·7	NW	3	bc	55
ZURICH ...	1021·0	NE	2	b	63
ROME ...	1018·6	WNW	3	b	59

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

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	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 ...	1016·3	W	3	bc	50	72	45	-	-
BRUSSELS ...	1011·7	N'W	4	c	52	68	46	-	-
BERLIN ...	1015·3	ESE	4	2	45	59	43	-	-
ZURICH ...	1018·2	NNW	1	2	45	70	41	-	-
ROME ...	1017·4	ENE	2	bc	52	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	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

Sunday, 23rd April, 1939.
No. 28276

OBSERVATIONS at 13h. G.M.T. 22nd 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)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1014·1	+10	NW'W	5	c	54	35	8	7	-	-	7-8	7-8	1500
	Croydon ...	1014·1	+4	WNW	5	c	54	45	8	2	-	-	7-8	7-8	4000
	S. Farnborough	1015·0	+6	W	6	c/pr	55	35	8	8	-	3	9	9	4000
	Boscombe Down	1016·3	+4	NW	6	bc	53	45	8	8	-	-	4-6	4-6	2500
	Calshot (Soton.)	1016·2	+6	W'N	6	c	53	45	8	2	-	-	7-8	7-8	2500
	Lympne ...	1014·1	+10	WNW	6	c	53	35	9	2	-	-	7-8	7-8	2500
	Manston ...	1012·0	+10	WNW	6	bc	52	45	7	8	6	-	4-6	4-6	2500
2	Shoeburyness ...	1012·4	+6	WNW	6	c	55	35	8	2	-	-	7-8	7-8	4000
	Felixstowe ...	1010·4	+14	NW'W	6	c/pr	52	45	8	8	7	-	7-8	9	2500
	Gorleston ...	1007·9	+18	NW'N	5	c/r	49	65	7	8	-	-	9+	9+	2500
	Mildenhall ...	1010·1	+12	W'N	7	cq	52	65	7	2	-	-	9	9	2500
	Cranwell ...	1009·6	+12	W	7	bc	53	45	7	7	-	-	4-6	4-6	4000
3	Birmingham ...	1014·6	+14	W	5	c	50	55	8	8	-	-	7-8	7-8	2500
	Upper Heyford	1014·8	+10	NW'W	6	c/pr	52	45	9	8	-	-	7-8	7-8	2500
4	Ross-on-Wye ...	1017·0	+6	WNW	6	bcq	49	65	8	8	-	-	2-3	2-3	2500
5	Hartland Point	1021·1	+4	NW	6	bc	48	75	8	8	-	-	2-3	2-3	2500
	Bristol ...	1018·2	+14	NW'W	6	bc	51	45	8	8	-	-	4-6	4-6	2500
	Portland Bill ...	1018·6	+12	NW	5	c	53	85	8	2	-	-	7-8	7-8	2500
	Plymouth ...	1021·7	+6	NW	5	c	51	55	8	8	-	-	7-8	7-8	4000
	The Lizard ...	1023·7	+6	NW'W	5	bc	52	75	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	1024·8	+4	NW'N	5	c	53	85	8	2	-	-	7-8	7-8	2500
	Guernsey ...	1021·0	+4	NW	5	b	53	75	8	1	-	-	Tr	Tr	2500
6	Pembroke ...	1020·9	0	NNW	4	bcq	51	75	8	7	4	2	2-3	4-6	2500
7	Holyhead ...	1016·8	+2	W'N	5	bc/pr	48	65	9	8	8	-	4-6	4-6	2500
	Chester (Sealand)	1015·1	+8	WNW	6	c	49	65	8	2	6	-	4-6	7-8	2500
8	Manchester ...	1012·6	+14	WNW	7	c	49	55	8	2	-	-	7-8	7-8	4000
10	Spurn Head ...	1007·4	+20	NW'W	7	cq	48	65	7	9	8	-	4-6	7-8	1500
	Catterick ...	1008·0	+10	NW'W	5	pr	50	45	8	3	-	-	9	9	2500
	Tynemouth ...	1006·3	+18	NNW	8	c	49	45	8	2	-	-	7-8	7-8	1500
11	St. Abbs Head...	1005·9	+14	NW	7	bcq	46	55	9	2	4	-	2-3	4-6	2500
	Leuchars ...	1007·5	+6	NW	6	c	48	55	9	8	6	-	7-8	7-8	2500
12	Renfrew (AbbotsI.)	1010·5	0	NW'W	6	bc/pr	49	65	8	3	6	3	4-6	4-6	2500
	Eskdalemuir ...	1008·3	-2	WNW	6	pr	48	55	8	9	-	-	7-8	7-8	1500
	Point of Ayre ...	1013·9	+2	NNW	7	bc	49	85	8	2	-	-	2-3	2-3	2500
13A	Tiree ...	1013·6	0	NW'N	5	bc/pr	47	75	8	8	6	1	4-6	4-6	1500
13B	Stornoway ...	1010·9	-6	NW	5	c	46	65	8	5	6	-	4-6	7-8	2500
15	Dalwhinnie ...	1010·2	-6	N	4	c	46	65	7	4	6	-	4-6	9+	2500
	Aberdeen ...	1005·8	+8	NNW	6	bc	47	45	8	1	-	-	4-6	4-6	1500
	Wick ...	1006·7	+8	NNW	8	cq	44	65	8	8	6	-	4-6	7-8	2500
16	Lerwick...	1003·8	+10	N	6	c/phr	43	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1022·6	-2	WNW	6	bc	51	75	8	8	-	-	4-6	4-6	1500
18	Malin Head ...	1016·5	+2	NW	5	c/phr	48	75	7	3	-	6	4-6	7-8	4000
	Aldergrove ...	1015·7	-2	N'E	6	bc/pr	49	65	9	3	-	1	4-6	4-6	1500
19	Birr Castle ...	1021·4	0	NNW	4	c	53	65	8	8	-	5	7-8	9	1500
20	Valentia Obsy.†	1026·8	+2	NW	4	c	51	65	8	8	7	-	4-6	9+	2500
	Roches Point ...	1023·4	-4	NNW	5	c	54	65	9	3	-	3	4-6	7-8	2500

OBSERVATIONS at 18h. G.M.T. 22nd 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)	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)	1015·1	+8	NW'W	4	bc	50	55	7	8	-	8	2-3	4-6	2500	0	*
Croydon	1014·9	+6	WNW	4	c	50	65	7	3	6	3	4-6	7-8	4000	0	*
S. Farnborough	1015·7	+6	W'N	4	bc	51	45	9	8	6	6	4-6	4-6	2500	0	*
Boscombe Down	1017·2	+6	WNW	5	c	50	55	7	4	3	6	4-6	9	2500	0	*
Calshot (Soton.)	1016·8	+6	W	6	bc	51	65	8	4	-	6	4-6	4-6	2500	0	2
Lympne	1014·4	+6	W	5	bc	50	55	8	3	-	-	2-3	2-3	2500	0	§4
Manston	1012·8	0	W'N	5	bc	50	55	7	8	6	-	2-3	4-6	2500	0	*
Shoeburyness	1013·2	+10	W'N	5	bc	51	75	8	8	0	-	4-6	4-6	4000	0	*
Felixstowe	1011·2	+8	NW	6	bc	52	45	8	8	-	-	4-6	4-6	2500	0	4
Gorleston	1010·6	+16	WNW	4	c/pr	47	65	7	8	-	-	9	9	2500	1	2
Mildenhall	1011·5	+14	W'N	6	bc	51	75	8	7	6	-	4-6	4-6	2500	0	*
Cranwell	1010·7	+6	W	6	bc	49	55	7	4	6	3	1	2-3	2500	0	*
Birmingham	1015·1	+6	WNW	5	pr	47	65	8	9	7	-	7-8	9	1500	1	*
Upper Heyford	1015·3	+2	WNW	5	bc/pr	47	65	9	8	-	1	4-6	4-6	1500	1	*
Ross-on-Wye	1016·9	0	NW'W	4	c/pr	50	55	8	8	-	6	4-6	7-8	2500	0	*
Hartland Point	1019·8	-4	WNW	5	c	49	85	8	2	4	8	2-3	9	2500	0	4
Bristol	1018·1	+4	NW'W	6	c/pr	49	65	8	8	-	8	4-6	7-8	2500	0	*
Portland Bill	1018·8	+6	WNW	5	c	50	85	8	5	4	-	4-6	7-8	2500	1	4
Plymouth	1021·4	-2	NW'N	5	c	52	65	8	7	-	5	4-6	7-8	2500	0	2
The Lizard	1023·1	-2	WNW	5	bc	50	75	8	8	7	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1023·7	-6	NW'W	5	c	50	85	8	4	4	4	Tr	7-8	2500	0	3
Guernsey	1020·9	-4	NW'W	5	c	50	65	7	-	2	-	0	7-8	-	0	4
Pembroke	1019·9	+6	NW	3	cq	49	85	8	8	2	-	4-6	9+	2500	0	2
Holyhead	1016·2	0	WNW	6	c/p	48	75	8	9	1	3	4-6	9+	2500	0	3
Chester (Sealand)	1015·1	+2	WNW	6	c/pr	47	75	8	8	6	6	4-6	9+	1500	1	*
Manchester	1013·4	+4	WNW	5	c	47	65	8	8	3	-	7-8	7-8	2500	1	*
Spurn Head	1008·9	+14	NNW	6	cq	44	85	7	9	8	-	7-8	9	1500	1	5
Catterick	1009·7	+10	WNW	4	bc	48	55	8	8	-	-	4-6	4-6	1500	1	*
Tynemouth	1008·4	+12	NW	5	c/pr	45	65	8	2	-	-	7-8	7-8	1500	1	3
St. Abbs Head	1007·7	+8	NNW	6	bcq	44	75	9	2	6	-	4-6	4-6	1500	1	4
Leuchars	1008·3	+6	NW	3	bc	46	65	9	8	6	9	4-6	4-6	2500	1	*
Renfrew (AbbotsI.)	1011·1	+2	NW'W	5	c/p	47	65	8	2	6	6	4-6	9	2500	0	*
Eskdalemuir	1009·6	+2	W'N	6	c	44	65	9	7	-	6	2-3	7-8	2500	1	*
Point of Ayre	1014·2	+2	NW	6	c	46	85	8	8	1	-	4-6	9	2500	0	4
Tiree	1013·4	0	NW'N	5	bc/pr	45	75	8	8	3	-	4-6	4-6	1500	0	4
Stornoway	1011·3	+2	WNW	6	c	43	75	8	4	5	6	7-8	9	2500	1	3
Dalwhinnie	*	0	WNW	5	s	36	85	7	8	6	2	4-6	10	1500	1	*
Aberdeen	1007·3	+8	N'W	4	b	44	55	8	1	3	-	1	1	1500	0	2
Wick	1007·5	+6	NNW	6	bcq	41	65	8	5	4	-	4-6	4-6	1500	1	2
Lerwick	1005·2	+10	N	5	c/phr	40	75	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1021·6	-8	WNW	6	c	48	75	8	5	-	-	10	10	1500	1	4
Malin Head	1016·5	-2	NW	5	pr	46	75	8	3	-	-	7-8	7-8	4000	0	4
Aldergrove	1016·3	+2	N	4	pr	47	75	8	3	-	8	7-8	9+	1500	1	*
Birr Castle	1020·4	-2	WNW	4	c/pr	48	65	8	8	2	3	4-6	9	1500	0	*
Valentia Obsy.†	1025·6	-6	NW	4	pr	49	75	8	6	-	-	9+	9+	1500	1	3
Roches Point	1022·7	-4	NW	6	c/pr	49	85	8	3	7	5	4-6	7-8	1500	0	3

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)	bcy	cbc pr$_o$	bcpr$_o$bc	bcc
Croydon	cy	ph$_o$ypr$_o$	bcz$_o$cbc	c
S. Farnborough	cprcy	cprbcy	ypr$_o$bc	bcb,c
Boscombe Down	bcbc	bcc	c	c
Calshot (Soton.)	bcy	qbcybc	bc	bc
Lympne	bccy	bcy	bcypr$_o$b	bc
Manston	bccy	bcqpry	cb,c	c
Shoeburyness	bccqy	bcp$_o$bcy	bcb	bbcc
Felixstowe	bcy pr$_o$	cypr$_o$ bcy	bcycpr$_o$,b	bbc
Gorleston	cocir$_o$q	cpr$_o$prh	cph$_o$r$_o$b	bbc
Mildenhall	cpr$_o$cir$_o$cq	cq bc	bcbcb	bbcc
Cranwell	cr$_o$ cbcy	bcy	bccw	cw
Birmingham	pr$_o$bc	bcprh	pr$_o$bc	bcpr$_o$
Upper Heyford	bcc bcpr$_o$	PRHpr	bc pr	cw
Ross-on-Wye	bcqcqpbq	bcqcqp$_o$	cbccb	bcc
Hartland Point	cbc	bc	bcb	bccir$_o$
Bristol	bcqy	bcqypr$_o$c	cp$_o$bcc	cir$_o$
Portland Bill	c	c	bc	bcc
Plymouth	cbcy	bcyc	cb	b,cr$_o$
The Lizard	bc	bcbc	bcq	bcc
Scilly (St. Mary's)	bcc	cbcc	cbcc	c
Guernsey	bcb	bbcc	cbc	bcco
Pembroke	cqbc	bcqc	cq	cirqo
Holyhead	bpr$_o$bc	bcpr$_o$c	c	cr$_o$r$_o$c
Chester (Sealand)	cprbc	bccpr	cpr	cr$_o$r$_o$rr
Manchester	c	c	cbc	cprir$_o$R
Spurn Head	cqpr	cqpr	cqpr	cq
Catterick	ccpry	phrbc	bcc	c
Tynemouth	cp$_o$cq	cp$_o$q	coirbc	bcc
St. Abbs Head	cbcqy	prhbc	cq	cqc
Leuchars	pr$_o$bcq v	bcqpr$_o$bc	bcw	bccw
Renfrew (AbbotsI.)	bcpr$_o$	bcypr$_o$c	cpr$_o$bc	bcc
Eskdalemuir	bcpr$_o$	bcpr$_o$c	c	c
Point of Ayre	bc	bcpr$_o$	prphc	crr
Tiree	phrbc	bcpr	c	crr
Stornoway	cbcc PHR	cbccpr	c	c
Dalwhinnie	c	csrs	•	ciro
Aberdeen	prbcy	bcby	b	bbcpr
Wick	cpr$_o$c	cbcq	bcprc	cps$_o$c
Lerwick	cir phr	cprhr	cprs	c
Blacksod Point	pr$_o$cq	pr$_o$cq	prq	prq
Malin Head	cprbcc	cprbc	bcprc	crrc
Aldergrove	prpr$_o$bc	PRHpr$_o$	cpr$_o$c	ccr$_o$r$_o$m$_o$
Birr Castle	bcc	cpr$_o$	cpr$_o$c	cir
Valentia Obsy.†	bcc	cpr$_o$	cpr$_o$c	cr$_o$r$_o$
Roches Point	pr$_o$bcv	cpr$_o$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/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.*

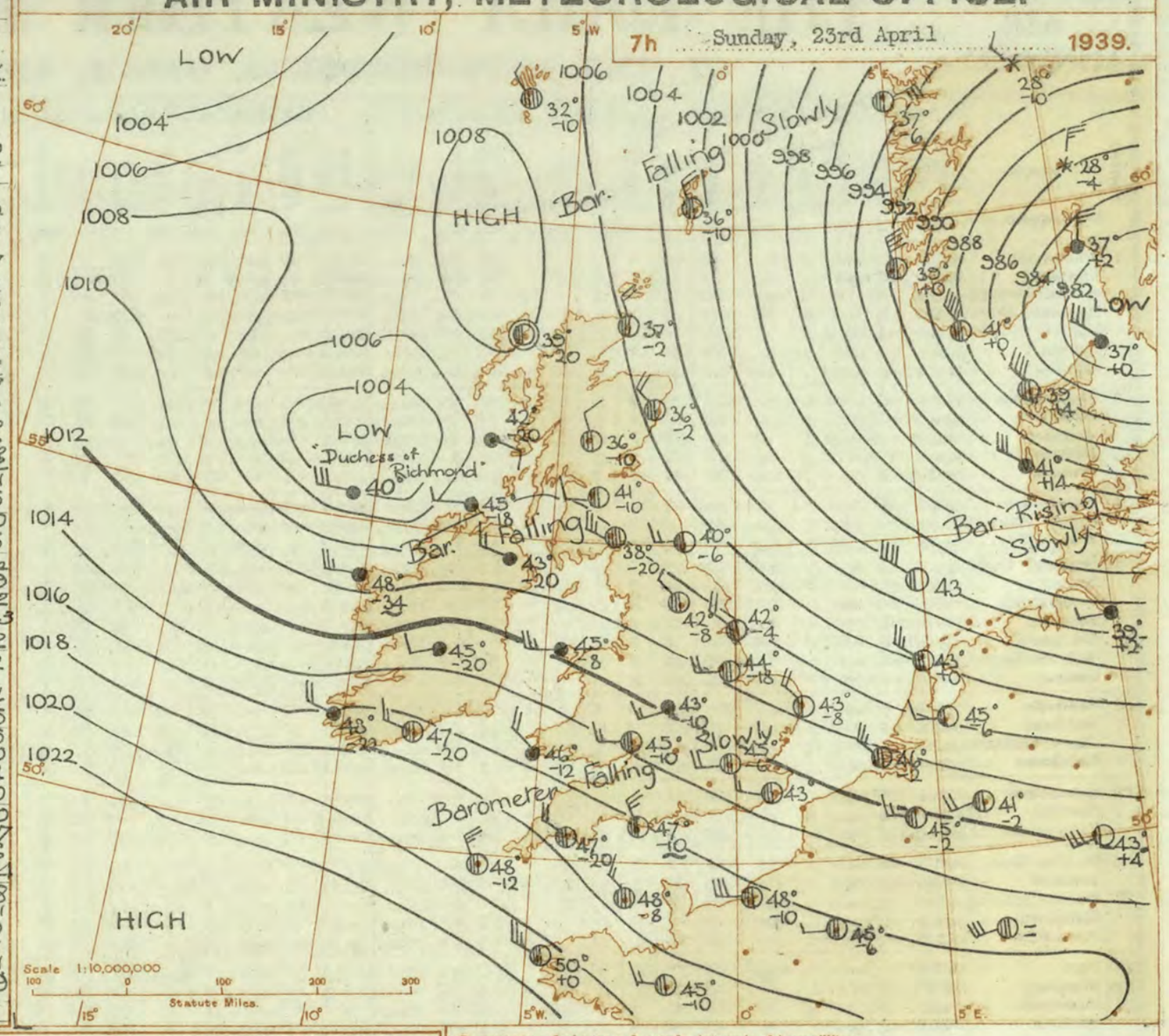
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 22nd April 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.	ocbcc	cbcpc	42	55	-	0·3	8·8	11·1
	Bournemouth	b	b	43	57	Trace	-	10·4	12·1
	Ventnor ...	b	bbc	45	56	-	-	11·2	11·6
	Southsea ...	b	bbc	45	56	-	-	10·8	12·0
	Bognor Regis	bc	bc	45	57	-	*	10·2	11·7
	Littlehampton	pc	bcpbc	45	57	-	0·1	10·8	12·1
	Worthing ...	b	bbc	45	57	-	-	10·8	12·0
	Brighton ...	b	bcpcb	46	58	-	Trace	9·9	11·6
	Eastbourne† ...	bcy	bcypc	46	58	-	0·4	9·7	11·4
	Hastings† ...	bc	bcp,c	44	58	-	Trace	9·9	11·7
	Folkestone ...	cbcc	cbc	44	57	-	-	9·3	11·2
	Dover ...	bc	bcpbc	45	57	-	Trace	8·6	11·3
	Deal	bcc	bccpc	45	57	-	Trace	8·4	10·8
	Ramsgate ...	cbc	bc	45	*	-	-	7·4	11·6
	Margate ...	bcc	bcpc	45	53	-	Trace	7·4	11·6
2	Southend ...	c	cpbcb	45	56	-	Trace	9·0	11·7
	Clacton-on-Sea	cp,c	cbcy	45	55	-	Trace	7·4	11·6
	Dovercourt ...	bc	bc	45	54	-	-	7·0	11·6
	Lowestoft ...	bcpq	bcop	44	53	0·3	3	2·5	8·6
	Skegness ...	or,cb	bcor	42	53	Trace	4	2·2	10·2
	Mablethorpe...	cbcc	co	42	55	-	-	5·2	10·1
	Cleethorpes ...	bcr,	cbcrc	42	53	-	1	3·7	9·5
3	Leamington S.	c	bcp	42	*	Trace	1	7·0	8·0
4	Cheltenham†	cbc	bccph	42	52	1	Trace	8·3	9·5
5	Bath	bcb	bbcp	46	54	-	Trace	9·0	11·6
	Weymouth ...	b	b	45	56	-	-	10·5	12·9
	Jersey ...	bc	bcbbc	47	54	-	-	11·4	13·2
	Torquay ...	bcyq,v	bcyqv	46	55	-	-	10·8	13·3
	Falmouth ...	b	bqy	46	54	Trace	-	10·0	13·2
	Penzance ...	b	b	47	56	-	-	9·9	12·2
	St. Ives ...								
	Bude... ...	bc	bcc	46	52	1	-	8·8	12·4
	Ilfracombe ...	pcbc	bcbbc	45	52	0·4	-	8·4	12·5
6	Aberystwyth	cbc	bcc	45	51	-	-	6·3	8·5
7	Llandudno ...	bcp,	bccp	44	51	0·5	Trace	7·9	7·0
	Colwyn Bay...	bcb	bccp	43	52	1	Trace	7·0	5·4
	Rhyl	bcpr,	bccpr	44	55	1	1	7·5	0·0
8	Wallasey ...	bcc	cbcc	44	51	1	-	8·0	9·0
	Southport ...	bqb	bqbcq	43	53	0·2	-	10·1	7·7
	Blackpool ...	bc	bbc	43	50	1	-	9·6	8·6
	Morecambe ...	bcc	cbc	41	50	0·5	-	9·2	7·4
9	Ilkley... ...	bcp	bc	39	53	4	0·4	7·7	8·8
	Harrogate ...	cb	bbc	39	53	2	Trace	8·0	7·1
10	Berwick-on-T.	cbc	bcr,c	38	51	8	Trace	8·0	1·9
11	Dunbar ...	cpr,	bcph,	38	50	6	Trace	7·9	0·1
12	Troon... ...	bcpc	coc	40	49	4	Trace	10·0	0·1
	Douglas ...	bcpr	bcprq	42	49	0·5	0·5	9·4	5·9

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

AIR MINISTRY, METEOROLCGICAL 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 April, 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 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. ▲	Wind westerly fresh, perhaps gale locally on coast; dull, intermittent rain at first, bright periods with squally showers of rain or hail and local thunder spreading eastwards later, reaching extreme southeast towards dawn; rather cold.
13 A. W. Scotld. B.N.W.Scotland. ▲ 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Winds variable, light, becoming west, moderate to fresh later; local wintry showers, some bright periods; cold.
17 N. W. Ireland ▲ 18 N. E. Ireland ▲ 19 S.E. Ireland ▲ 20 S. W Ireland ▲	As As 1 - 12.

GENERAL INFERENCE.

A deepening depression off Northwest Ireland will move east-south-east. A belt of rain will spread eastwards to most districts and be followed by squally showers of rain or hail and local thunder. Westerly winds will probably increase to gale locally in the West and South.

FURTHER OUTLOOK.

Squally showers of rain or hail, local thunder, bright periods.

Times of Issue of Gale Warnings.

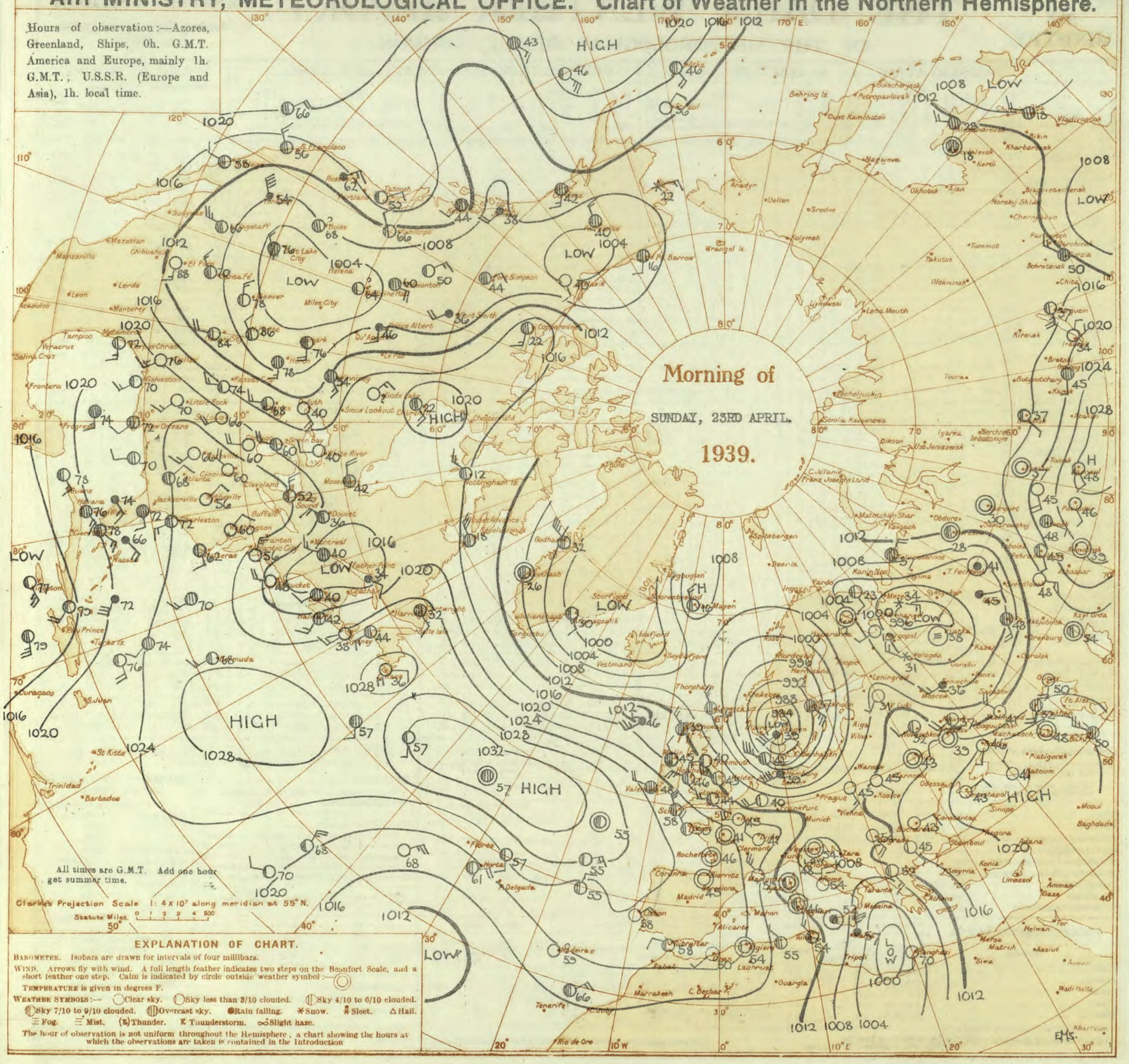
▲ North Cone hoisted at 0900 on 23/4/39 in districts 6,7,8,12,13A,17,18,19 20 and part of 5.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G 465 3670 M 8109 D 4626 Gp 948 35400 4/39.

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, 23rd April, 1939.
No. 28276

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

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	1014·8	-2	W	3	bc	44	85	8	-	-	1	0	4-6	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·4	-2	W	3	b	42	75	8	4	-	-	Tr	Tr	4000
	Manston ...	154	1013·3	-6	W	4	c	45	75	7	5	-	-	7-8	7-8	4000
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1010·8	0	W'N	3	b	40	85	7	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1018·5	-8	WNW	4	bc	47	85	8	2	-	-	2-3	2-3	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·1	-8	NW	4	bc	49	85	8	5	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021·8	-6	WNW	4	bc	48	85	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1022·5	-6	NW	6	c	48	92	8	8	6	-	4-6	7-8	1500
	Guernsey ...	175	1019·6	-4	W'N	4	bc	48	85	7	-	3	-	0	4-6	-
6	Pembroke ...	142	1018·3	-4	WNW	4	cq	47	85	8	8	-	-	9+	9+	2500
7	Holyhead ...	26	1014·7	-10	W'N	5	c	46	75	*	9	2	-	7-8	9	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009·1	0	W'N	5	bcq	43	85	6	5	-	-	4-6	4-6	5700
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1008·9	-6	W	3	bc	40	75	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1008·0	-6	NW	6	cq	42	75	9	8	6	1	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013·0	-6	NW	5	c	45	92	8	8	-	-	9+	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011·4	-4	NW	3	c	39	75	8	5	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·7	-12	NNW	3	c/pr	37	97	8	5	7	-	4-6	7-8	1500
16	Lerwick ...	156	1003·9	-6	NNW	5	c	36	85	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1016·6	-30	WNW	6	c	48	85	7	5	-	-	10	10	800
18	Malin Head ...	84	1013·5	-20	NW	2	c/p	45	85	7	9	2	-	4-6	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1022·1	-10	W	4	o	48	97	7	5	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 23rd 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)	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)	1012·8	-8	W	3	c	46	75	8	-	7	2	0	9+	-	0	*
Croydon ...	1013·2	-6	W	4	c	45	85	8	-	9	9	0	9	-	0	*
S. Farnborough	1013·6	-4	W	4	c	45	75	9	5	7	-	Tr	10	1500	0	*
Boscombe Down	1014·4	-6	NW'W	3	c	45	85	7	5	7	-	7-8	9+	2500	0	*
Calshot (Sthmtn.)	1014·7	-16	W	3	c	46	85	8	5	8	-	9	9+	5700	0	§
Lympne ...	1013·8	-6	W'N	3	c	43	75	8	-	9	-	0	7-8	-	0	§
Manston ...	1011·6	-10	W'N	4	c	45	75	7	5	9	-	9	9+	2500	0	*
Shoeburyness...	1012·0	-6	W	3	c	45	75	7	2	9	-	1	9	2500	0	*
Felixstowe ...	1010·6	-10	W'N	5	bc	43	75	8	8	3	-	4-6	4-6	1500	0	3
Gorleston ...	1009·1	-8	NW'N	4	bc	43	85	6	5	5	-	2-3	4-6	2500	1	2
Mildenhall ...	1010·1	-10	W'S	4	c	44	85	8	5	3	-	9	9+	4000	1	*
Cranwell ...	1009·9	-18	W	4	c	44	75	7	7	3	2	4-6	9	1500	0	*
Birmingham ...	1011·6	-10	WSW	3	ic	43	85	8	6	7	-	2-3	9+	800	1	*
Upper Heyford	1012·8	-14	W'N	3	c	43	85	8	5	7	-	4-6	9+	4000	1	*
Ross-on-Wye	1013·2	-10	W	3	c	45	75	8	6	2	-	2-3	10	2500	0	*
Hartland Point	1015·8	-14	WNW	5	c	46	92	7	8	-	-	10	10	1500	1	4
Bristol ...	1014·6	-12	W	5	ic	45	85	8	5	2	-	4-6	10	1500	0	*
Portland Bill ...	1015·1	-10	NW	5	c	47	92	8	5	4	-	7-8	9	2500	1	4
Plymouth ...	1017·2	-8	NW	3	c/r	47	85	8	5	7	7	4-6	10	2500	0	1
The Lizard ...	1018·6	-20	WNW	4	c	47	92	7	8	6	-	7-8	9+	2500	0	1
Scilly (St. Mary's)	1019·1	-12	NW'W	5	c	48	92	8	8	3	-	4-6	10	1500	0	3
Guernsey ...	1017·1	-8	NW'W	3	o	48	75	7	5	-	-	10	10	2500	0	3
Pembroke ...	1015·4	-12	NW	4	ic	46	97	7	9	-	-	10	10	1500	1	3
Holyhead ...	1011·6	-8	W	5	cc	45	92	7	6	2	-	7-8	10	800	1	3
Chester (Sealand)	1011·2	-6	W'N	4	rr	45	85	7	6	2	-	9	10	800	1	*
Manchester ...	1009·9	-12	W	3	cc	43	92	7	6	2	1	*	10	1500	1	*
Spurn Head ...	1008·3	-4	WNW	4	c	42	75	7	2	4	-	2-3	7-8	4000	1	3
Catterick ...	1008·0	-8	NW'W	1	c	42	75	8	5	7	-	Tr	9+	1500	1	*
Tynemouth ...	1007·5	-6	W	3	c	40	65	7	2	6	-	4-6	7-8	2500	1	2
St. Abbs Head	1005·8	-16	WNW	5	c	40	75	8	7	4	-	7-8	7-8	2500	0	3
Leuchars ...	1006·7	-4	W	2	c	40	65	9	5	3	-	4-6	9	4000	1	*
Renfrew (Abbots I.)	1007·9	-10	W	2	c	41	75	7	5	7	-	4-6	10	1500	0	*
Eskdalemuir ...	1007·2	-20	W'N	6	c	38	75	8	5	-	-	10	10	2500	1	*
Point of Ayre...	1009·2	-16	WNW	5	rr	45	97	7	8	2	-	7-8	10	1500	1	3
Tiree	1006·6	-20	ESE	2	dd	42	92	7	-	2	-	10	10	1500	1	1
Stornoway ...	1008·2	-20	-	0	c	39	75	7	5	2	-	4-6	10	2500	1	1
Dalwhinnie ...	*	-10	NNW	2	c	36	65	8	5	7	-	2-3	10	2500	1	*
Aberdeen ...	1005·4	-2	NW'W	4	c/pr	36	92	7	8	-	-	9+	9+	1500	1	1
Wick ...	1005·1	-2	NNW	4	c	37	65	8	5	7	4	4-6	9+	1500	1	2
Lerwick ...	1002·3	-10	NW'N	4	c	36	65	8	8	3	-	4-6	7-8	1500	0	*
Blacksod Point	1009·5	-34	W	5	ir	48	97	7	6	-	-	10	10	220	1	4
Malin Head ...	1007·4	-18	W	1	rr	45	92	7	6	-	-	9+	9+	2500	1	3
Aldergrove ...	1009·1	-20	WNW	3	cc	43	97	6	6	-	-	10	10	800	1	*
Birr Castle ...	1013·2	-20	W'S	2	ir	45	97	7	6	2	-	4-6	10	800	1	*
Valentia Obsy. †	1017·2	-22	W'N	4	cc	48	85	7	5	2	-	4-6	10	1500	1	3
Roches Point	1016·6	-20	W'N	3	c	47	92	8	5	2	-	4-6	10	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 22nd Hrs. (36)
London (Kew)	54	43	38	Tr	Tr	8·4
Croydon ...	55	41	38	Tr	-	7·7
S. Farnborough	56	39	35	0·2	Tr	10·3
Boscombe Down	54	41	37	-	-	10·1
Calshot (Sthmtn.)	54	43	41	-	-	11·0
Lympne ...	55	40	37	Tr	Tr	10·1
Manston ...	55	41	39	Tr	Tr	9·1
Shoeburyness...	57	42	38	Tr	-	8·8
Felixstowe ...	53	41	38	0·1	Tr	6·6
Gorleston ...	51	39	37	3	2	3·2
Mildenhall ...	55	40	36	0·1	-	8·0
Cranwell ...	54	40	36	Tr	-	7·1
Birmingham ...	52	41	37	*	0·3	7·2
Upper Heyford	53	38	31	1	1	*
Ross-on-Wye	53	44	38	Tr	-	11·0
Hartland Point	50	45	44	-	Tr	8·4
Bristol ...	54	44	40	Tr	Tr	9·1
Portland Bill ...	54	46	*	-	-	*
Plymouth ...	53	46	44	-	0·1	8·9
The Lizard ...	53	45	*	-	-	11·4
Scilly (St. Mary's)	54	46	*	-	-	12·2
Guernsey ...	54	47	43	-	-	12·2
Pembroke ...	52	46	*	-	1	7·9
Holyhead ...	50	45	44	0·1	1	7·2
Chester (Sealand)	50	44	41	Tr	2	7·2
Manchester ...	51	41	38	-	2	7·9
Spurn Head ...	50	41	*	0·5	1	5·8
Catterick ...	52	38	32	0·5	-	7·4
Tynemouth ...	57	36	32	0·1	1	6·9
St. Abbs Head	47	38	*	1	Tr	*
Leuchars ...	51	37	33	Tr	-	8·3
Renfrew (Abbots I.)	51	39	26	Tr	Tr	10·9
Eskdalemuir ...	50	35	32	Tr	-	10·6
Point of Ayre...	50	42	*	Tr	3	9·4
Tiree	49	40	39	2	1	8·1
Stornoway ...	47	36	*	1	Tr	8·0
Dalwhinnie ...	46	31	24	2	0·6	8·9
Aberdeen ...	47	34	30	0·6	1	11·2
Wick ...	45	34	*	Tr	0·5	*
Lerwick ...	44	32	*	1	1	4·3
Blacksod Point	52	44	*	0·4	4	*
Malin Head ...	48	42	*	1	8	7·1
Aldergrove ...	50	42	39	3	3	6·0
Birr Castle ...	53	44	42	Tr	1	7·4
Valentia Obsy. †	52	46	43	0·2	1	6·7
Roches Point	55	45	*	0·3	-	*

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	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew...	18	bccy	cbcpr	bcc	54	43	38	Tr	Tr	8·4	*	*	7
Croydon	217	cy	pbc/pr	bczcbc	55	41	38	Tr	-	7·7	*	*	8
Greenwich (Royal Observatory)...	149	cbcy	bcpcy	cbxc	56	42	36	Tr	-	7·8	48	76	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	55	43	36	0·1		9·6	61	73	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	56	43	39	Tr	Tr	8·9	60	77	*
Camden Square	110	bc	bc	*	56	43	37	Tr	Tr	*	*	72	*
Kensington	80	bc	bc	*	57	43	39	-	-	9·1	At 18h 48	69	*
Hampstead Observatory	450	bc	bcp	bc	54	40	35	Tr	-	9·1	*	75	*

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	1h. 23rd.	<0·1	2-7h 23rd.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd April 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	1017·1	NW	4	bc	54	1015·9	W	1	c	45	59	43	-	-
Brussels	1011·8	NW	5	bc	50	1009·2	N'W	3	c	45	55	37	Tr	Tr
Berlin	1002·6	SW	3	c	50	1002·8	WSW	5	c/r	43	68	43	2	Tr
Zürich	1011·0	WSW	5	bc	50	1016·0	W	3	c	45	54	41	-	-
Rome	1012·5	W	2	bc	59	1006·7	NNE	2	b	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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 24th April, 1939.
No. 28277

OBSERVATIONS at 13h. G.M.T. 23rd 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)	°F Temp. (6)	°F 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)	1009·3	-18	W	3	o/r	49	75	7	5	-	-	10	10	1500
	Croydon	1011·0	-12	WS	3	r₀r₀	48	85	6	9	1	-	9	10	2500
	S. Farnborough	1010·1	-22	W	4	c/d	51	75	8	8	7	-	9	9+	1500
	Boscombe Down	1010·7	-26	WN	6	c	51	65	8	8	7	-	4-6	9+	2500
	Calshot (Soton.)	1011·7	-18	WN	4	c/r	50	85	8	2	3	-	9	9+	1500
	Lympne	1011·8	-14	WSW	4	i₀	46	85	7	6	2	-	7-8	10	1500
	Manston	1009·7	-14	W	4	r₀r₀	47	85	6	6	2	-	7-8	10	1500
2	Shoeburyness	1009·7	-14	WSW	4	r₀r₀	48	92	6	5	2	-	7-8	10	2500
	Felixstowe	1008·6	-14	W	6	r₀r₀	48	85	7	5	2	-	7-8	10	1500
	Gorleston	1007·5	-10	WNW	4	i₀	46	85	6	6	-	-	10	10	1500
	Mildenhall	1008·1	-10	WSW	4	id₀	47	92	6	6	2	-	9	10	1500
	Cranwell	1006·8	-14	WSW	4	c/r	48	85	6	5	1	-	4-6	10	2500
3	Birmingham	1008·0	-20	WSW	3	r₀r₀	47	85	6	6	2	-	7-8	10	1500
	Upper Heyford	1009·8	-20	WS	4	i₀	49	75	7	5	2	-	9	10	1500
4	Ross-on-Wye	1009·6	-24	W	4	oq	50	65	8	5	-	-	10	10	2500
5	Hartland Point	1012·2	-18	WNW	6	c	49	85	8	8	1	-	9	10	800
	Bristol	1011·3	-22	W	5	c	49	75	8	5	2	-	9	10	1500
	Portland Bill	1012·9	-14	W	4	c	49	92	8	5	-	-	10	10	2500
	Plymouth	1013·9	-18	WNW	5	c	51	65	8	5	7	-	4-6	10	1500
	The Lizard	1015·1	-14	W	5	c	50	92	8	8	2	-	7-8	9	1500
	Scilly (St. Mary's)	1015·5	-24	WN	6	c	54	85	8	8	7	-	4-6	9+	1500
	Guernsey	1015·0	-20	WN	5	c/r	51	75	7	5	2	-	7-8	10	2500
6	Pembroke	1010·9	-20	WN	6	c/pr	48	92	7	5	2	-	7-8	10	1500
7	Holyhead	1006·7	-22	SWN	4	d	48	92	6	5	-	-	10	10	220
	Chester (Sealand)	1007·0	-24	WS	3	d₀d₀	49	85	8	6	2	-	9	10	1500
8	Manchester	1006·4	-22	W	4	r₀r₀	47	85	6	6	2	-	9	10	1500
10	Spurn Head	1005·8	-12	WNW	4	r₀r₀	46	92	6	8	-	-	10	10	1500
	Catterick	1005·6	-18	-	0	c	49	75	7	5	7	-	9	9+	1500
	Tynemouth	1004·9	-14	W	2	c	47	55	7	8	-	-	9+	9+	1500
11	St. Abbs Head	1005·2	0	N	2	c	42	55	8	4	6	-	4-6	7-8	2500
	Leuchars	1003·4	-16	W	1	c	47	55	9	8	7	-	7-8	9+	2500
12	Renfrew (Abbotsl.)	1004·3	-22	W	2	c	50	65	8	7	4	-	9	9+	2500
	Eskdalemuir	1003·5	-18	SWN	2	c/pr	46	75	8	5	-	-	9+	9+	4000
	Point of Ayre	1004·7	-22	WN	4	c	50	92	8	8	7	-	7-8	10	1500
13A	Tiree	1004·7	-12	SSE	3	c	47	85	8	5	-	-	7-8	7-8	1500
13B	Stornoway	1004·9	-16	SE	3	c	44	65	8	5	7	2	4-6	9	2500
15	Dalwhinnie	1004·2	-16	S	1	c	44	[illegible]	8	4	6	-	4-6	9+	2500
	Aberdeen	1003·8	-8	NNW	3	c	42	55	8	8	-	-	10	10	1500
	Wick	1002·9	-6	N	2	c	41	55	8	5	6	8	4-6	9+	1500
16	Lerwick	1001·6	0	NNW	4	ps	39	65	8	8	4	-	4-6	7-8	800
17	Blacksod Point	1008·2	-10	NW	5	c	49	85	7	5	-	-	10	10	1500
18	Malin Head	1005·9	-12	NW	2	c/d	47	97	6	9	-	-	9+	9+	2500
	Aldergrove	1004·2	-22	SW	3	i₀	50	92	8	5	-	-	9+	9+	800
19	Birr Castle	1008·3	-12	W	4	c	53	85	8	5	7	-	4-6	7-8	2500
20	Valentia Obsy.†	1013·6	-16	W	5	pr	51	92	6	5	-	-	10	10	800
	Roches Point	1011·9	-20	WNW	5	c	53	85	8	3	-	-	7-8	7-8	1500

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

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)	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)	1006·8	-10	WSW	3	b	50	75	6	5	-	-	10	10	1500	1	*
	Croydon	1007·9	-14	WSW	4	c	50	85	6	5	-	-	7-8	9+	2500	1	*
	S. Farnborough	1007·3	-16	WS	4	r₀r₀	49	75	8	5	2	-	9	10	2500	1	*
	Boscombe Down	1008·2	-10	W	5	c	48	85	8	5	-	-	10	10	2500	0	*
	Calshot (Soton.)	1008·7	-16	SWN	3	i₀	50	85	8	8	-	-	10	10	1500	1	2
	Lympne	1009·0	-14	SWN	3	c/r	47	92	7	6	3	-	7-8	9+	800	0	§3
	Manston	1006·6	-14	WSW	3	c	49	75	7	8	-	-	9+	9+	4000	1	*
2	Shoeburyness	1006·7	-14	SWN	4	c/pr	50	75	6	8	-	-	9+	9+	2500	1	*
	Felixstowe	1005·9	-18	SW	3	c/r	48	85	7	5	2	-	7-8	10	1500	1	2
	Gorleston	1004·9	-12	W	2	pr	50	75	7	6	3	-	4-6	9+	2500	1	2
	Mildenhall	1004·8	-10	WSW	2	c/r	49	92	8	5	7	-	9	9+	1500	1	*
	Cranwell	1004·4	-10	WSW	3	c	50	85	6	5	7	-	9	9+	2500	1	*
3	Birmingham	1005·0	-18	SW	2	c	49	85	6	6	7	-	7-8	9+	1500	1	*
	Upper Heyford	1006·7	-22	WS	3	d₀d₀	47	92	7	5	2	-	9	10	800	1	*
4	Ross-on-Wye	1006·3	-10	WS	3	r₀r₀	50	85	7	5	-	-	10	10	2500	0	*
5	Hartland Point	1008·9	-10	W	6	c	49	92	7	8	6	-	4-6	7-8	800	0	4
	Bristol	1008·2	-14	W	5	c/d	49	92	7	5	-	-	10	10	800	1	*
	Portland Bill	1009·8	-18	W	4	c	49	92	8	5	-	-	10	10	2500	1	4
	Plymouth	1011·0	-14	WN	5	c	51	75	8	8	-	-	9+	9+	1500	0	2
	The Lizard	1012·5	-10	W	5	c	49	97	8	8	2	-	7-8	9+	1500	1	2
	Scilly (St. Mary's)	1012·8	-14	WN	5	c	51	92	8	8	7	8	4-6	7-8	1500	0	3
	Guernsey	1012·5	-8	W	5	pr	50	75	7	-	3	8	0	4-6	-	1	4
6	Pembroke	1007·1	-24	WNW	6	c	49	92	7	5	6	-	7-8	9	1500	1	3
7	Holyhead	1003·7	-8	WS	5	c	50	75	8	9	7	-	7-8	9+	4000	1	2
	Chester (Sealand)	1003·7	-20	W	3	c/r	51	85	6	8	7	-	7-8	10	1500	1	*
8	Manchester	1003·4	-16	-	0	i₀	47	97	6	6	2	-	7-8	10	450	1	*
10	Spurn Head	1002·8	-10	WSW	2	c	48	85	6	5	8	-	7-8	9	2500	1	2
	Catterick	1001·9	-12	ESE	1	c	46	92	7	6	9	-	7-8	9	1500	1	*
	Tynemouth	1002·9	-10	SE	3	c/pr	43	65	8	8	-	-	7-8	7-8	1500	1	2
11	St. Abbs Head	1001·3	-10	SE	4	c	42	65	9	5	2	-	4-6	10	1500	0	3
	Leuchars	1000·6	-10	SE	3	c	44	65	7	5	2	-	9	10	1500	0	*
12	Renfrew (Abbotsl.)	1001·3	-14	WSW	3	c/pr	49	75	8	8	7	-	9+	10	2500	0	*
	Eskdalemuir	1000·5	-14	SWS	2	i₀	47	75	6	5	-	-	10	10	800	1	*
	Point of Ayre	1001·8	-16	WN	4	c/r	50	97	8	8	7	-	7-8	9+	1500	1	2
13A	Tiree	999·4	-20	SWS	2	id₀	47	92	8	5	7	-	4-6	7-8	1500	1	2
13B	Stornoway	1000·0	-22	SSE	3	c	43	75	8	5	7	-	4-6	10	2500	1	2
15	Dalwhinnie	1000·9	-16	S	1	c	45	65	8	4	2	-	4-6	10	2500	0	*
	Aberdeen	1001·6	-12	SSE	2	c	41	55	6	5	-	-	9+	9+	1500	1	1
	Wick	1000·6	-16	ESE	3	c	41	55	8	5	7	8	4-6	7-8	1500	1	1
16	Lerwick	1000·0	-6	NW	4	c	39	55	8	8	5	9	4-6	7-8	1500		*
17	Blacksod Point	1004·9	-16	W	5	c	49	85	7	5	-	-	10	10	800	1	4
18	Malin Head	1001·8	-8	W	3	c/pr	47	85	8	8	6	-	4-6	7-8	5700	1	3
	Aldergrove	1002·6	-6	NW	4	c	49	75	8	8	-	-	9+	9+	1500	1	*
19	Birr Castle	1006·1	-14	W	4	c	53	65	8	5	8	1	4-6	7-8	2500	1	*
20	Valentia Obsy.†	1009·8	-26	WS	5	pr	51	92	6	5	-	-	10	10	800	1	4
	Roches Point	1008·7	-22	WN	4	c/pr	52	92	8	3	-	5	4-6	7-8	1500	1	2

PAST 24 HOURS.

Stations.	Weather. 7h.—13h. 23rd (37)	Weather. 13h.—18h. 23rd (38)	Weather. 18h. 23rd to 1h. 24th (39)	Weather. 1h.—7h. 24th (40)
London (Kew)	ccr₀c	ccm₀	cir₀m₀	cir₀rm₀
Croydon	rr₀c	r₀⊕p₀z	cmcrd₀	r₀d₀rr
S. Farnborough	d₀d₀d₀c	idcr₀c	cr₀c	cirr₀R
Boscombe Down	ccir₀c	c	ccid₀ir₀	cir₀r₀r₀
Calshot (Soton.)	crr	ccpr₀	c	cir₀rr
Lympne	cr₀r₀	cr₀r₀cir₀	cbc	bccr₀c
Manston	ccir₀m₀	cr₀r₀prc	c	cpr₀c
Shoeburyness	cir₀rm₀	r₀r₀prm	cm₀r₀	cprc
Felixstowe	bccr₀c	cr₀r₀ir₀	c	cpr₀
Gorleston	bcoir₀	oir₀c	cpr₀or₀	oir₀c
Mildenhall	ccir₀r₀dd	d₀r₀crr₀	cr₀r₀ccir₀	cbbcpr₀c
Cranwell	cr₀r₀oc	cr₀c	cir₀	r₀prcir₀
Birmingham	r₀r₀o	oir₀	pr₀bc	prbc
Upper Heyford	ccr₀r₀c	cidd₀d₀	cd₀ir₀c	ccr₀cbcc
Ross-on-Wye	ir₀c	c	r₀cpbcc	pc
Hartland Point	cir₀	cp	cir₀	ir₀irc
Bristol	cr₀rc	cr₀d₀	cir₀q	crirq
Portland Bill	cpr	cpr	o	orr
Plymouth	cir₀	cid₀r₀	cir₀ir	irm₀rc
The Lizard	cpr₀c	cpr₀c	cbc	bccpr
Scilly (St. Mary's)	cp₀qc	cbcc	cp₀c	cr₀pq
Guernsey	oprir	cid₀	bccir₀	cpro
Pembroke	cirqc	cpr₀q	cprq	cprbcq
Holyhead	Rrr₀r₀	od₀mc	cir₀c	cprbc
Chester (Sealand)	cr₀r₀d₀d₀	cddid₀m₀	cpr₀m₀	cm₀ir₀pr
Manchester	r₀r₀rm₀	cr₀r₀r₀	cr₀m₀	cm₀PR
Spurn Head	cq₀pr₀	r₀r₀c	orrbc	bccpr
Catterick	ecir₀c	coir₀c	coirm₀	cprc
Tynemouth	cir₀c	cpr₀	coir₀	oc
St. Abbs Head	cy	bcc	ir₀m₀	rrc
Leuchars	cwcy	cy₀c	cr₀r₀c	cir₀c
Renfrew (Abbotsl.)	cir₀c	cpr₀	cpr₀	cpr₀c
Eskdalemuir	cir₀r₀pr₀	cir₀	cir₀	cprbc
Point of Ayre	rrc	crr	prc	bc
Tiree	o₀d₀c	cq₀D	cpr₀	cprbc
Stornoway	c	c	cRRdd	cdd
Dalwhinnie	c	•	•	cir
Aberdeen	cp₀cy	cy₀	cr₀r₀	r₀r₀cd₀
Wick	cy	cy₀	c	prir₀
Lerwick	cps	cpsy	c	c
Blacksod Point	irq	irq	prcq	prcq
Malin Head	cidzc	cidprc	cPRcprc	cbcprbc
Aldergrove	r₀r₀mcid₀	ir₀p₀c	cpr₀c	cpr₀c
Birr Castle	circ	c	cbc	bcpr
Valentia Obsy.†	cr₀r₀pr₀	idpr₀	cpr₀bc	pr₀prbc
Roches Point	cpr₀c	cprc	cprc	pr₀bc

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, iow 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).

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.*

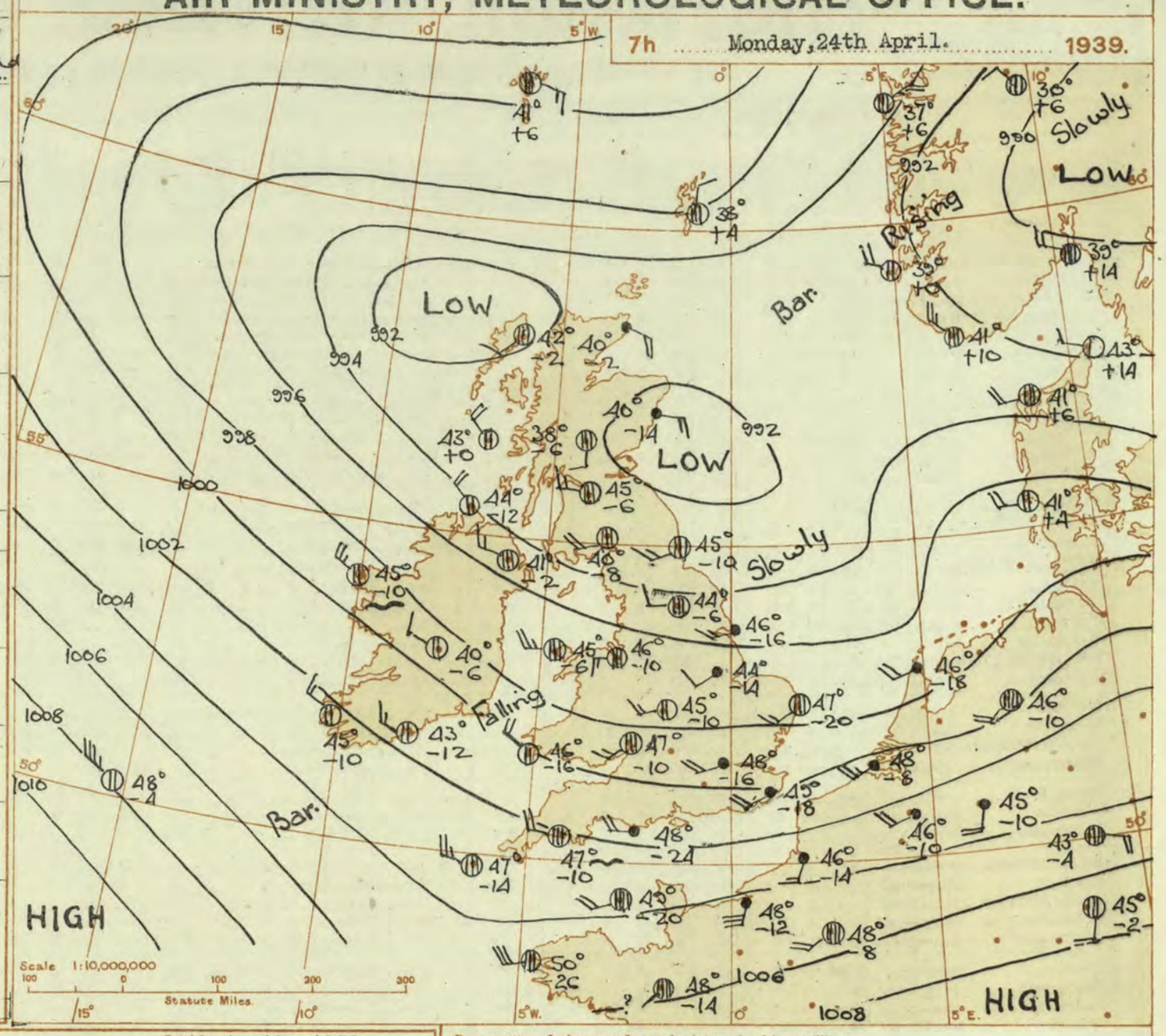
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 23rd April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	ore	ocro	40	51	-	1	1·2	9·8
	Bournemouth	ir₀o	c	44	54	Trace	1	0·4	10·8
	Ventnor ...	ou	opbec	45	50	-	3	2·1	11·3
	Southsea ...	cor	opc	45	51	-	2	0·5	11·3
	Bognor Regis	cpr	prber	43	55	-	3	0·1	11·2
	Littlehampton	cir	cp	42	51	0·3	1	0·0	11·8
	Worthing ...	cir	cir	42	51	0·3	2	0·0	11·6
	Brighton ...	crc	crc	44	50	-	2	0·0	10·6
	Eastbourne† ...	oir	irc	44	50	0·3	2	0·8	10·5
	Hastings† ...	cor₀	oppc	42	50	-	0·5	0·6	10·6
	Folkestone ...	c	cpc	40	52	-	1	0·4	10·3
	Dover ...	co	oirbc	43	52	-	1	0·8	9·5
	Deal	ao	o	42	60	-	Trace	0·6	9·4
	Ramsgate ...	cp	c	41	50	-	0·3	0·2	8·6
	Margate ...	c	cd	45	51	-	Trace	0·0	8·3
2	Southend ...	oc	cor	41	50	-	1	0·9	10·2
	Clacton-on-Sea	cr₀co	ocirc	41	50	-	2	0·9	9·0
	Dovercourt ...	bc	roc	41	50	-	2	2·5	8·0
	Lowestoft ...	bcprc	cprbc	40	54	5	0·5	2·4	2·5
	Skegness ...	bcor	orbco	38	51	5	1	1·5	2·2
	Mablethorpe...	bcor	oro	38	49	2	2	1·5	5·2
	Cleethorpes ...	bc₀	orbcc	39	49	1	0·5	1·6	3·9
3	Leamington S.	op	opo	40	52	1	0·1	0·0	7·1
4	Cheltenham†	oir₀	or₀r	42	50	-	1	0·0	8·8
5	Bath	rrc	ir₀c	45	50	1	1	0·0	9·0
	Weymouth ...	cir₀c	c	45	58	-	0·2	0·2	10·8
	Jersey ...	epc	cbpc	48	52	Trace	1	0·8	12·2
	Torquay ...	o₀q	ocq	46	54	-	Trace	0·6	10·9
	Falmouth ...	c	c	47	54	0·6	-	0·3	11·0
	Penzance ...	pcqcp	cqc	47	53	Trace	Trace	0·2	10·7
	St. Ives ...								
	Bude... ...	o	c	47	51	0·2	-	0·1	8·8
	Ilfracombe ...	opco	docpo	45	52	1	0·3	0·0	9·0
6	Aberystwyth	cpr	prc	45	51	1	2	0·0	6·3
7	Llandudno ...	r₀	r₀irc	44	51	3	3	0·2	7·9
	Colwyn Bay...	rrorr	rrobc	44	52	3	2	0·1	7·0
	Rhyl	orr	orcr₀	44	51	3	1	0·0	7·5
8	Wallasey ...	rro	idc	44	50	3	2	0·0	8·0
	Southport ...	orr₀	o₀oc	43	50	3	2	0·1	10·2
	Blackpool ...	r₀r₀	r₀cd₀	44	51	2	2	0·1	9·6
	Morecambe ...	odbc	bcpc	40	49	0·3	0·3	1·0	9·2
9	Ilkley... ...	opoc	c	38	52	0·2	1	0·0	8·8
	Harrogate ...	c	cbcp₀	36	51	-	Trace	1·1	8·9
10	Berwick-on-T.	bcc	c	36	45	Trace	-	4·2	8·3
11	Dunbar ...	bc	cm	37	49	-	-	3·2	8·5
12	Troon... ...	doc	bco	40	49	1	Trace	3·4	11·0
	Douglas ...	cir	cir	41	51	4	1	0·4	9·4

† 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. 24th April, 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 ... 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 between west and northwest, fresh at times. Mainly bright, but some showers locally. Rather cold with ground frost in places.
15 N. E. Scotland 16 Orkney and Shetland	Wind variable or northerly. Mainly bright, but some showers locally; rather cold with frost at night.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W Ireland	As 1 - 14.

GENERAL INFERENCE.

A depression off the east of Scotland is moving southeastwards and a ridge of high pressure is moving over the British Isles from the west. Apart from local showers, the weather will be mainly bright, but rather cold with ground frost in places at night.

FURTHER OUTLOOK.

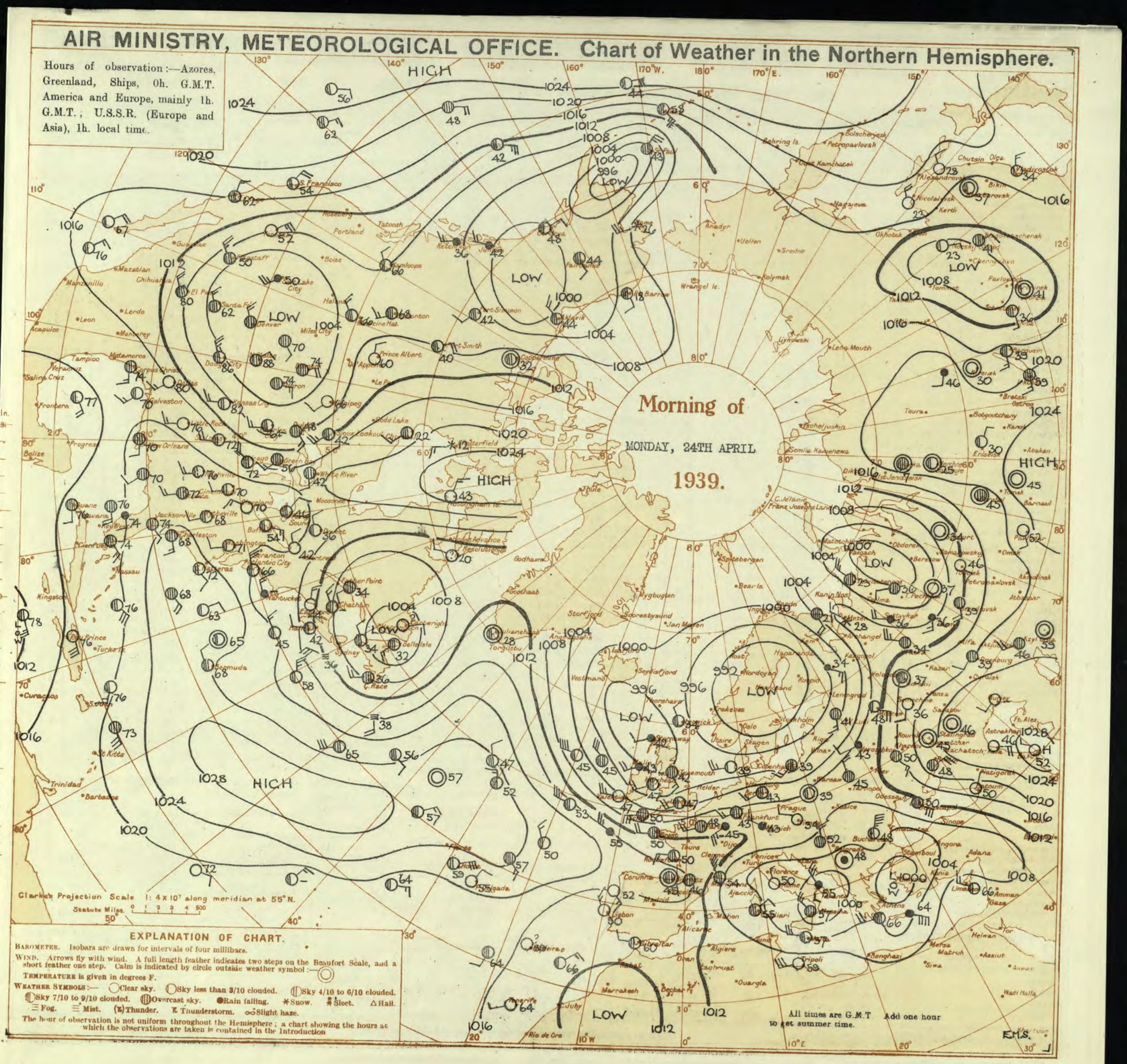
Little change.

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.
G 465 3670 m 9/09 D 4626 35400 4/39.

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

Monday, 24th April, 1939
No. 28277

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

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	1003·8	-22	WSW	4	bc	47	92	8	5	3	-	4·6	4·6	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1005·3	-22	WSW	3	bc	46	92	8	5	-	-	2·3	2·3	4000
	Manston ...	154	1002·9	-24	WSW	3	c	47	85	7	5	-	-	7·8	7·8	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1001·6	-22	SW	2	ir	46	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	1003·5	-32	W	6	ir	49	92	8	8	2	-	9+	10	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1005·4	-20	W	5	o	48	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1007·7	-20	W'S	5	bc	49	97	7	8	6	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1007·6	-30	W	6	c	50	97	7	5	-	-	10	10	1500
	Guernsey ...	175	1008·3	-20	WSW	3	c	49	92	7	8	3	-	7·8	10	2500
6	Pembroke ...	142	1002·8	-14	WNW	5	c/pr	48	97	7	8	-	-	9+	9+	1500
7	Holyhead ...	26	998·9	-28	WSW	4	c	47	75	7	9	2	-	7·8	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	998·4	-24	SW	2	bc	47	92	6	5	-	-	4·6	4·6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	996·6	-30	SSE	3	o	42	92	6	5	-	-	10	10	1500
11	St. Abbs Head	280	994·9	-24	SSW	4	c	40	92	6	5	-	-	10	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	998·0	-24	W	3	c	46	92	8	5	-	-	9+	9+	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	994·1	-22	WSW	2	dd	42	97	6	5	2	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	995·4	-24	S	4	c	40	75	8	5	1	-	4·6	7·8	1500
16	Lerwick ...	156	996·7	-16	N'W	2	c	34	65	8	8	3	-	4·6	7·8	1500
17	Blacksod Point	18	1000·8	-18	NW	5	bc	44	85	8	3	-	-	4·6	4·6	1500
18	Malin Head ...	84	996·7	-20	SW	4	PR	43	85	6	9	-	-	7·8	7·8	4000
	Aldergrove ...	266	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1005·1	-10	W	5	b	47	92	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	998·7	-20	SW'W	3	ro	48	92	6	5	2	-	4·6	10	1500	1	*
	Croydon ...	999·8	-16	SW'W	4	ir	48	97	7	6	2	-	7·8	10	1500	1	*
	S. Farnborough	998·7	-20	SW'S	3	ro	46	97	8	6	2	-	9	10	800	1	*
	Boscombe Down	999·3	-14	WSW	4	ro	47	97	6	6	2	-	7·8	10	800	1	*
	Calshot (Sthmtn.)	1000·3	-18	SW'W	4	rr	49	97	6	6	2	-	10	10	800	1	2
	Lympne ...	1001·3	-18	WSW	4	ro	47	97	6	6	-	-	10	10	800	1	§4
	Manston ...	999·2	-18	SW'W	4	pr	49	85	7	5	-	-	9+	9+	4000	1	*
2	Shoeburyness ...	999·5	-12	SW	3	c/pr	50	92	7	7	-	-	7·8	7·8	2500	1	*
	Felixstowe ...	998·2	-18	WSW	4	c/pr	48	92	7	8	7	-	7·8	9+	1500	1	2
	Gorleston ...	997·1	-20	SW	3	c	47	92	6	5	-	-	9+	9+	2500	1	2
	Mildenhall ...	996·6	-18	SW'W	4	bc	49	92	8	7	3	-	2·3	4·6	2500	1	*
	Cranwell ...	996·1	-14	SW'W	2	ir	44	92	6	5	-	-	9+	9+	2500	1	*
3	Birmingham ...	997·7	-10	WSW	3	bc	45	85	7	8	-	-	4·6	4·6	1500	1	*
	Upper Heyford	998·3	-16	WSW	3	c	46	92	7	5	7	-	7·8	9+	2500	1	*
4	Ross-on-Wye	998·4	-10	SW	3	c	47	85	8	8	-	-	9	9	2500	1	*
5	Hartland Point	1000·2	-4	NW	5	c	47	85	8	8	6	-	4·6	9	1500	1	4
	Bristol ...	999·4	-10	W	5	bc	45	92	8	8	3	-	2·3	4·6	1500	1	*
	Portland Bill ...	1000·7	-24	W	4	rr	48	92	7	5	-	-	10	10	1500	1	4
	Plymouth ...	1001·7	-10	W'N	4	c/r	47	92	7	5	7	-	4·6	7·8	5700	1	2
	The Lizard ...	1002·6	-6	W	5	c/pr	47	92	8	8	6	-	7·8	7·8	2500	1	3
	Scilly (St. Mary's)	1003·2	-14	WNW	5	c/p	47	92	8	8	6	-	4·6	7·8	1500	1	3
	Guernsey ...	1003·6	-20	WSW	4	o/pr	49	92	7	5	-	-	10	10	1500	1	3
6	Pembroke ...	1000·0	-16	NW	4	bc/pr	46	85	8	8	4	1	4·6	4·6	1500	1	3
7	Holyhead ...	996·5	-6	W	5	c	45	75	8	2	4	-	4·6	7·8	2500	1	2
	Chester (Sealand)	996·3	-10	W	3	c	46	75	8	8	-	-	9	9	2500	1	*
8	Manchester ...	995·6	-10	W'S	3	c/pr	45	85	6	2	-	-	7·8	7·8	1500	1	*
10	Spurn Head ...	994·3	-16	W'S	3	pr	46	92	6	5	-	-	9+	9+	2500	1	2
	Catterick ...	993·8	-6	W	2	c	44	85	8	3	-	-	9	9	1500	1	*
	Tynemouth ...	992·8	-10	WSW	3	c	45	85	6	2	6	-	4·6	7·8	1500	1	2
11	St. Abbs Head	992·6	-16	WNW	3	c	43	85	9	8	6	-	4·6	9	1500	0	2
	Leuchars ...	991·8	-6	W	3	c	41	92	7	5	3	4	2·3	7·8	4000	1	*
12	Renfrew (Abbotsl.)	993·3	-6	W	3	c/p	45	75	8	8	6	9	7·8	9	1500	1	*
	Eskdalemuir ...	992·5	-8	W'S	4	c	40	85	8	5	-	1	4·6	7·8	800	1	*
	Point of Ayre ...	995·1	-6	NW'W	5	bc	45	85	8	8	-	-	4·6	4·6	1500	1	3
13A	Tiree ...	992·7	0	NW	4	bc	43	85	8	8	6	-	4·6	4·6	1500	0	3
13B	Stornoway ...	991·9	-2	SW	2	c	42	92	9	5	7	-	4·6	9+	2500	1	1
15	Dalwhinnie ...	992·4	-6	S	2	c	38	65	8	4	2	-	2·3	10	2500	1	*
	Aberdeen ...	991·5	-14	E'S	3	c/d	40	97	6	6	2	-	9	10	1500	1	2
	Wick ...	992·5	-2	ESE	4	ir	40	92	7	5	2	-	7·8	10	800	1	2
16	Lerwick ...	996·3	+4	N'E	2	c	38	75	8	5	9	-	4·6	7·8	1500	0	*
17	Blacksod Point	998·6	-10	SSW	5	bc	45	75	8	9	-	-	4·6	4·6	1500	1	4
18	Malin Head ...	995·1	-12	NW	4	bc	44	65	8	2	6	-	2·3	4·6	5700	0	2
	Aldergrove ...	995·9	-2	NW'W	3	c	41	85	9	8	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1000·1	-6	WNW	2	bc/pr	40	85	8	3	8	-	2·3	4·6	1500	1	*
20	Valentia Obsy. †	1002·9	-10	NW'W	3	bc	45	85	8	3	-	-	2·3	2·3	2500	1	3
	Roches Point	1001·6	-12	WNW	3	bc	43	85	8	3	4	-	2·3	4·6	2500	1	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 23rd Hrs. (36)
1	London (Kew)	52	48	45	1	1	0·8
	Croydon ...	51	47	44	2	3	1·8
	S. Farnborough	52	46	44	1	2	0·1
	Boscombe Down	52	46	44	Tr	4	0·4
	Calshot (Sthmtn.)	53	48	36	1	1	0·3
	Lympne ...	49	45	42	0·6	0·4	0·1
	Manston ...	51	45	42	0·6	0·1	0·5
2	Shoeburyness ...	51	48	44	1	1	0·7
	Felixstowe ...	50	46	44	3	0·4	2·8
	Gorleston ...	50	46	45	1	1	1·6
	Mildenhall ...	52	45	41	1	0·2	0·4
	Cranwell ...	50	42	39	2	2	1·3
3	Birmingham ...	50	43	40	1	1	0·2
	Upper Heyford	51	43	36	1	1	*
4	Ross-on-Wye	52	46	39	Tr	1	0·2
5	Hartland Point	50	47	46	0·1	2	0·1
	Bristol ...	50	44	43	1	4	0·0
	Portland Bill ...	53	44	*	1	5	*
	Plymouth ...	52	45	44	0·2	3	0·1
	The Lizard ...	51	46	*	0·5	0·5	0·1
	Scilly (St. Mary's)	54	46	*	0·3	2	2·2
	Guernsey ...	52	48	45	2	1	0·9
6	Pembroke ...	50	46	*	0·5	2	0·2
7	Holyhead ...	52	44	42	5	0·2	0·4
	Chester (Sealand)	51	45	41	1	1	0·1
8	Manchester ...	49	43	40	5	4	0·0
10	Spurn Head ...	48	45	*	0·3	1	1·2
	Catterick ...	49	42	39	0·4	3	0·1
	Tynemouth ...	47	42	39	0·1	0·3	2·9
11	St. Abbs Head	46	39	*	-	0·4	*
	Leuchars ...	49	39	36	-	0·2	1·6
12	Renfrew (Abbotsl.)	53	39	35	Tr	0·2	1·8
	Eskdalemuir ...	50	39	37	Tr	1	0·9
	Point of Ayre ...	54	44	*	2	0·3	1·1
13A	Tiree ...	48	40	38	0·5	1	0·9
13B	Stornoway ...	45	39	*	-	7	2·1
15	Dalwhinnie ...	40	33	32	-	1	1·5
	Aberdeen ...	44	37	36	0·1	4	1·7
	Wick ...	45	39	*	-	0·1	*
16	Lerwick ...	42	33	*	Tr	-	*
17	Blacksod Point	52	40	*	3	4	*
18	Malin Head ...	49	40	*	2	4	0·1
	Aldergrove ...	53	39	33	3	0·2	0·4
19	Birr Castle ...	50	39	36	1	0·3	3·1
20	Valentia Obsy. †	52	42	39	0·5	1	0·0
	Roches Point	54	43	*	0·6	0·4	*

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	ccr ro	ccm	cirm	52	48	45	1	1	0·8	*	*	6
Croydon ...	217	rr ro	ro pr	cm ro	51	47	44	2	3	1·8	*	*	6
Greenwich (Royal Observatory) ...	149	cr r	rrc	cir	52	46	43	2	4	1·0	73	91	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	1·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	53	47	45	3		1·8	73	92	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	52	46	45	1	3	0·9	70	92	*
Camden Square ...	110	bc	c	*	52	47	44	2	3	*	*	85	*
Kensington ...	80	c	c	*	53	47	44	1	3	1·2	At 18h 73	89	*
Hampstead Observatory ...	450	bcor	c	or	50	45	41	1	2	0·8	*	92	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory Max.	Time.	Min.	Time.
0·1	18h 23rd	<0·1	1–4h 24th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 23rd April. Barom. mb.	Wind Direc.	Wind Force	Weather.	Temp. °F.	7h. G.M.T. 24th April. 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 ...	1011·8	W	4	c	48	1006·7	SW	4	c	48	52	46	1	-
Brussels ...						1002·2	SW'W	4	ir	46		43		2
Berlin ...	1001·8	WSW	5	c/p	48	1003·2	SW	3	o/f	43	52	41	0·2	0·2
Zürich ...	1011·8	WNW	3	c	48	1010·6	WNW	1	c	43	57	41	-	0·1
Rome ...	1002·7	WNW	5	b	59	1002·0	NNE	1	b	52	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, 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

Tuesday, 25th April, 1939.
No. 28278.

OBSERVATIONS at 13h. G.M.T. 24th 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)	°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)...	996.0	-6	WNW	4	bc/tlro	52	65	6	8	-	3	4-6	4-6	2500
	Croydon ...	996.1	-18	NW'W	4	pr	56	55	7	3	-	-	7-8	7-8	4000
	S. Farnborough	996.2	-14	W'S	5	bc/pr	54	45	8	8	-	-	4-6	4-6	4000
	Boscombe Down	997.2	-6	W'N	5	c	51	55	8	8	7	-	4-6	7-8	4000
	Calshot (Soton.)	997.9	-10	SW'W	4	c/pr	49	85	8	8	6	-	4-6	7-8	800
	Lympne ...	997.8	-14	SW'W	4	c/pr	53	85	7	9	-	-	7-8	10	1500
	Manston ...	995.8	-14	SW'W	4	c/r	53	85	7	8	-	-	7-8	7-8	2500
2	Shoeburyness ...	996.2	-12	W'N	4	pr	52	75	8	8	-	-	7-8	7-8	2500
	Felixstowe ...	994.8	-14	WNW	4	TLR	54	65	6	9	2	-	7-8	9+	800
	Gorleston ...	994.6	-4	WNW	4	bc/pr	53	65	7	8	-	-	4-6	4-6	2500
	Mildenhall ...	994.5	-6	W	5	PHR	52	65	7	9	3	-	9	9+	2500
	Cranwell ...	993.8	-8	W	3	pr	51	65	6	8	3	-	9	9	2500
3	Birmingham ...	996.5	-4	NW	3	bc/pr	44	75	6	3	7	-	4-6	4-6	1500
	Upper Heyford	996.1	-14	WNW	3	c/phr	48	65	9	9	4	-	9	9+	1500
4	Ross-on-Wye ...	996.6	-6	W	4	bc	52	55	8	2	6	-	4-6	4-6	2500
5	Hartland Point	999.2	-2	WNW	4	bc	48	75	8	3	-	-	4-6	4-6	1500
	Bristol ...	997.7	-6	W	5	pr	51	75	8	9	-	-	9	9	1500
	Portland Bill ...	998.5	-8	WSW	5	c	49	85	8	2	-	-	7-8	7-8	2500
	Plymouth ...	999.9	-10	W'N	4	pr	51	55	9	8	-	-	9+	9+	2500
	The Lizard ...	1001.6	-4	WNW	5	bc	52	65	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1002.1	-2	WNW	5	bc/pr	51	85	8	8	4	3	2-3	4-6	1500
	Guernsey ...	1000.8	-12	W'N	5	bc	52	65	8	1	3	-	2-3	4-6	2500
6	Pembroke ...	998.6	-2	WNW	6	bcq	49	65	8	2	-	-	4-6	4-6	2500
7	Holyhead ...	995.7	-4	W'N	4	bc	49	55	8	2	4	8	1	2-3	2500
	Chester (Sealand)	995.7	0	WNW	5	c	48	65	8	2	-	8	4-6	9	2500
8	Manchester ...	994.8	-4	WNW	4	c/pr	47	65	8	2	3	-	7-8	7-8	1500
10	Spurn Head ...	992.8	-4	NW'N	4	c/pr	51	75	6	8	8	-	4-6	7-8	1500
	Catterick ...	992.5	-2	W'S	4	phr	50	55	8	9	2	-	7-8	9+	1500
	Tynemouth ...	992.0	-2	W	4	bc	51	55	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head...	991.0	0	NNW	3	bc	45	85	8	8	4	-	2-3	4-6	1500
	Leuchars ...	991.5	+2	ENE	3	pr	45	85	7	9	7	-	9	10	800
12	Renfrew (Abbotsl.)	992.9	-4	NW'W	4	c	49	65	9	8	4	1	4-6	7-8	2500
	Eskdalemuir ...	991.4	-2	W	4	c	49	55	8	8	-	5	4-6	7-8	1500
	Point of Ayre ...	994.9	0	NW'W	4	bc	51	75	8	2	-	2	1	2-3	4000
13A	Tiree ...	993.5	+4	NW	3	bc	49	65	8	8	4	2	2-3	4-6	2500
13B	Stornoway ...	993.8	+16	E	3	c	47	75	9	5	7	-	7-8	10	2500
15	Dalwhinnie ...	993.5	+10	-	0	ir	39	92	8	4	2	-	2-3	10	2500
	Aberdeen ...	994.0	+18	ENE	4	roro	38	85	6	6	2	-	9+	10	1500
	Wick ...	995.3	+16	E	4	c	40	85	8	5	7	-	7-8	9+	1500
16	Lerwick...	997.2	+10	ENE	3	c	46	65	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	996.0	-8	WNW	4	c	47	85	8	3	-	3	4-6	7-8	800
18	Malin Head ...	994.2	-2	W	3	bc	47	66	8	2	-	-	4-6	4-6	5700
	Aldergrove ...	994.4	-6	W'S	3	bc/phr	48	75	9	3	-	-	2-3	2-3	2500
19	Birr Castle ...	997.6	-10	W	3	bc/pr	48	75	8	8	8	-	4-6	4-6	1500
20	Valentia Obsy.†	1001.9	-2	W'N	4	bc/pr	49	65	8	8	-	1	4-6	4-6	2500
	Roches Point ...	999.7	-16	NW	5	bc	45	75	8	3	-	3	4-6	4-6	1500

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

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)...	996.6	+10	NNW	3	c	46	75	7	8	-	-	7-8	7-8	2500	1	*
Croydon ...	996.4	+4	NW'W	3	bc	49	75	8	3	6	-	4-6	4-6	4000	1	*
S. Farnborough	996.5	+2	NW'W	3	bc	47	65	8	8	4	6	2-3	4-6	4000	1	*
Boscombe Down	996.9	0	W'N	4	bc	47	65	8	3	6	3	2-3	2-3	4000	0	*
Calshot (Soton.)	996.8	+2	W'N	4	c	50	65	8	8	6	2	2-3	7-8	2500	1	2
Lympne ...	996.9	-2	WNW	2	pr	45	85	6	9	-	-	9	9	1500	1	§4
Manston ...	995.3	+2	S'W	1	c/pr	45	85	6	8	-	3	7-8	7-8	4000	1	*
Shoeburyness ...	996.1	+8	NNW	3	bc	49	75	8	8	8	-	4-6	4-6	4000	1	*
Felixstowe ...	994.7	+2	W'N	4	bc	48	75	8	9	3	-	4-6	4-6	1500	0	3
Gorleston ...	994.3	+4	WNW	3	c/pr	47	75	6	8	-	-	9	9	2500	1	2
Mildenhall ...	994.3	-2	W	3	bc	48	65	8	8	3	-	2-3	4-6	4000	1	*
Cranwell ...	994.3	+2	W	4	c	49	55	7	8	3	2	2-3	9	2500	1	*
Birmingham ...	996.3	-2	NW	1	c/pr	46	75	6	8	-	6	4-6	7-8	2500	1	*
Upper Heyford	996.5	+2	SSW	2	c	44	85	9	8	6	-	7-8	9+	2500	1	*
Ross-on-Wye ...	996.6	0	NW'W	4	bc	49	45	9	8	-	3	2-3	2-3	4000	0	*
Hartland Point	998.5	-2	WNW	4	bc	47	85	8	3	-	3	4-6	4-6	2500	0	3
Bristol ...	996.9	-6	W	5	bc	48	75	8	8	-	-	2-3	2-3	2500	1	*
Portland Bill ...	997.4	-6	W	4	bc	47	85	8	2	-	-	4-6	4-6	2500	1	3
Plymouth ...	999.4	-2	NW	5	bc	49	55	8	7	-	-	4-6	4-6	4000	1	2
The Lizard ...	1000.6	-6	WNW	5	c	48	75	8	8	-	-	4-6	7-8	2500	1	3
Scilly (St. Mary's)	1001.0	-4	NW'W	6	bc	49	85	8	8	6	3	2-3	4-6	1500	0	4
Guernsey ...	999.7	0	WNW	4	bc	50	65	9	2	-	-	4-6	4-6	1500	1	4
Pembroke ...	997.3	-12	WNW	4	bcq	47	75	8	2	7	1	2-3	4-6	2500	1	2
Holyhead ...	995.4	-2	WSW	4	c/pr	44	85	9	3	-	3	4-6	7-8	4000	1	2
Chester (Sealand)	995.6	0	WNW	3	c/pr	47	65	8	8	6	-	4-6	7-8	2500	1	*
Manchester ...	995.0	+2	W'N	4	bc	47	65	8	2	4	1	2-3	4-6	4000	1	*
Spurn Head ...	993.5	+2	E'N	2	c/pr	46	75	7	8	7	3	4-6	7-8	2500	1	2
Catterick ...	992.9	+4	WNW	3	c	48	55	8	5	4	-	9	9+	2500	1	*
Tynemouth ...	992.5	+8	NW	3	c/pr	45	85	6	5	-	-	9+	9+	1500	1	2
St. Abbs Head...	993.8	+6	NE	6	roro	40	92	8	3	2	-	7-8	10	800	0	4
Leuchars ...	995.5	+24	NE	4	iro	41	85	7	5	-	-	10	10	800	1	*
Renfrew (Abbotsl.)	995.1	+24	NE	3	pr	43	85	7	9	2	-	9	10	1500	1	*
Eskdalemuir ...	998.7	+18	N'W	3	pr	40	85	7	9	-	-	9+	9+	1500	1	*
Point of Ayre ...	994.8	0	W'N	4	bc	48	75	8	2	-	-	2-3	2-3	4000	0	2
Tiree ...	995.3	+10	N'W	3	bc	46	75	8	8	3	-	2-3	2-3	2500	0	2
Stornoway ...	999.2	+40	NE	5	ido	42	85	8	5	7	-	7-8	9+	2500	1	3
Dalwhinnie ...	997.2	+30	NNE	1	c	38	75	8	4	2	-	2-3	10	2500	1	*
Aberdeen ...	997.3	+22	NE'E	3	c	41	65	8	1	7	-	4-6	9+	1500	1	2
Wick ...	998.7	+12	NE	4	c	42	65	8	7	6	-	4-6	7-8	1500	1	2
Lerwick...	999.3	+14	NE	4	c/pr	40	65	8	8	7	-	4-6	7-8	1500	0	*
Blacksod Point...	995.7	-10	WNW	5	c	44	85	8	9	-	-	7-8	7-8	1500	1	3
Malin Head ...	995.6	+6	N	2	bc	46	65	8	2	-	3	4-6	4-6	5700	0	1
Aldergrove ...	994.8	+6	W	1	cjp	45	75	9	3	-	-	9	9	1500	1	*
Birr Castle ...	996.3	-8	WNW	3	c	43	85	8	8	8	-	7-8	9	1500	1	*
Valentia Obsy.†	999.8	-12	NW'W	5	c/phr	44	75	8	9	-	3	7-8	9	1500	1	4
Roches Point ...	998.1	-8	NW	4	c	47	75	8	3	4	3	4-6	7-8	1500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 24th (37)	13h.—18h. 24th (38)	18h 24th to 1h. 25th (39)	1h.—7h. 25th (40)
London (Kew)...	bcprhtbcz	bccyprc	ccprocbc	bcxbmo
Croydon ...	cro PRq	probcy	czopro,b	bwbcmo
S. Farnborough	ro Rcpro	proybc	cpRprb	bxjfm
Boscombe Down	crorocbc	bccbc	bcb	bxbcmo
Calshot (Soton.)	crororpr	bccbc	bbw	bwb
Lympne ...	cphrorpr	cbcyphpr	cprcmb	bbw
Manston ...	cproroiro	cprotlro	cirbmo	bbcbmw
Shoeburyness ...	crrprc	cprqbc	bcb	bmo
Felixstowe ...	bccpro	TLRbcy	bcvcl	cbwmo
Gorleston ...	cprobct	bccphro	cprc	czmroro
Mildenhall ...	bcc prc	bcvc	bccbcb	bbcmox
Cranwell ...	ciroprobc	cpromoc	cbmo	cmcroro
Birmingham ...	bcprh	bcpro	prob	bxcmo
Upper Heyford	cprocphr	cphrPR	cbcprbcb	bbc
Ross-on-Wye ...	pbccqpbc	hpbcvy	bcvb⌂	bxbcc
Hartland Point	bc	bc	bccpo	cpobc
Bristol ...	bcpocpr	cprobc	bcc	cprbc
Portland Bill ...	c	cbc	bc	cbc
Plymouth ...	cbccpro	cprohbcy	bcyb	bwbcb
The Lizard ...	cbc	bcpro	bc	bcpro
Scilly (St. Mary's)	cpoqbc	bcpobc	bcpobc	bccpc
Guernsey ...	oirbc	bcc	bccpr	bcPR
Pembroke ...	bcq	bcq	bcpro⌂	bc
Holyhead ...	bccb⊕	byproc	cb⌂	bcpro
Chester (Sealand)	cprPRH⊕	cbcypro	bczo⌂	cPRhzo
Manchester ...	cmophro	bccbc	bcbmob	bccro
Spurn Head ...	qtPR	cqpr	orrc	cirq
Catterick ...	prophr	prbcy	ycpror	Rriro
Tynemouth ...	cbc	bccpo	colr	ocpobc
St. Abbs Head...	cbc	cqror	rrbcq	PRcq
Leuchars ...	cpro	PRdoiro	irocprobc	bcxbc
Renfrew (Abbotsl.)	cpro	cpro	cproiro	bcb
Eskdalemuir ...	prhbc	prohpr	cprdroro	rorocbcb
Point of Ayre ...	bc	bc	bcc	cproc
Tiree ...	PRbc	bc	bc	bc
Stornoway ...	c	cproido	cidobcb	bcPR
Dalwhinnie ...	cir	ciR	•	ciso
Aberdeen ...	croro	ciro	rosbcprobc	bcphbcpr
Wick ...	cproc	c	cprbc⌂	bcc
Lerwick...	cbcpro	cbcpro	cprbc	bccprs
Blacksod Point...	phrcq	prcq	prcq	prhcq
Malin Head ...	bc	bc	bccprc	cprybc
Aldergrove ...	proprh	procjp	cjpbcw	bccbc
Birr Castle ...	bcphr	bcc	cbc	bccx
Valentia Obsy.†	probc	phriphr	cbccphr	probc
Roches Point ...	prophbc	proqc	prqbc	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.*

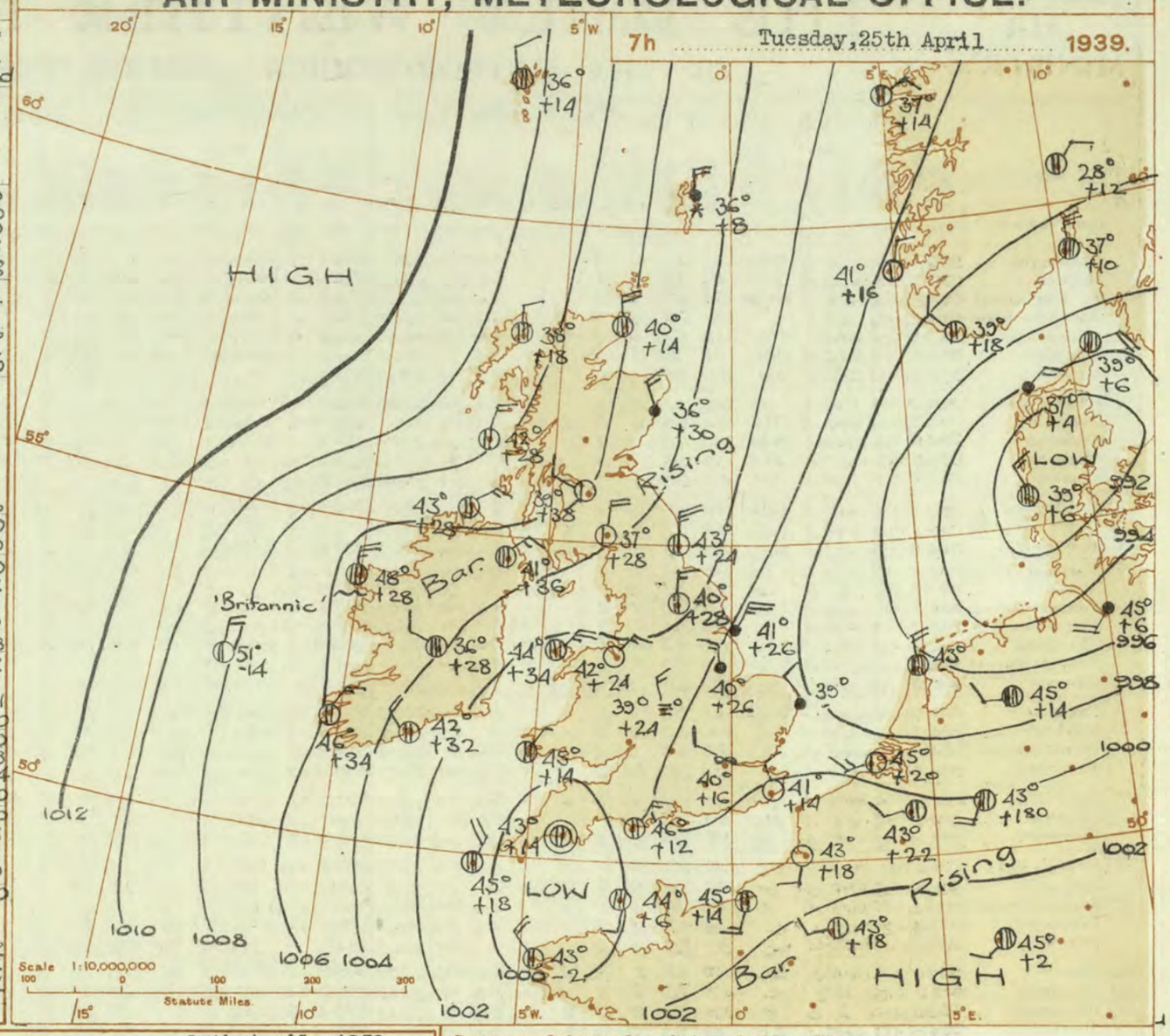
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 24th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F) Min. 9h. 23rd to 9h. 24th	Temperature. (°F) Max. 9h.—17h. 24th.	Rainfall. (mm.) Night. 17h. 23rd to 9h. 24th	Rainfall. (mm.) Day. 9h.—17h. 24th.	Sunshine. (Hrs.) Sunrise to 17h. 24th.	Sunshine. (Hrs.) Sunrise to Sunset. 23rd
1	Tunbridge W.	oroc	chtlr	44	57	2	2	4.6	1.3
	Bournemouth	pbcb	bcihp	47	56	3	3	3.8	0.4
	Ventnor ...	rcpb	brhc	46	52	3	4	4.8	2.1
	Southsea ...	c	opbc	47	53	3	1	3.1	0.5
	Bognor Regis	robc	bcpr	46	53	6	1	3.7	0.1
	Littlehampton	crcbc	bcpbc	47	54	6	0.2	5.3	0.0
	Worthing ...	rc	bc	47	54	7	0.3	5.0	0.0
	Brighton ...	c	bbcrb	47	53	6	1	4.8	0.0
	Eastbourne† ...	r.pc	cb	48	52	2	1	5.2	0.8
	Hastings† ...	rorc	bcb	48	54	1	3	4.8	0.8
	Folkestone ...	m.orr	ocpc	46	54	2	5	3.9	0.4
	Dover ...	roc	orhbc	47	54	2	7	3.5	0.8
	Deal	crro	ctlrh	47	55	Trace	5	2.5	0.6
	Ramsgate ...	r	ctlr	46	54	4	8	1.4	0.2
	Margate ...	cr	bcthrh	46	55	4	10	1.4	0.0
2	Southend ...	cop	copb	47	55	1	2	4.8	0.9
	Clacton-on-Sea	bcpbc	bcpbc	45	56	0.4	1	4.8	1.0
	Dovercourt ...	bcoc	rocbc	45	56	Trace	3	5.0	2.7
	Lowestoft ...	bcop	bcop	45	58	3	0.5	4.4	2.7
	Skegness ...	ocbc	corr	44	53	1	1	2.6	1.5
	Mablethorpe...	cbcp	bcop	44	54	1	1	3.2	1.5
	Cleethorpes ...	bcthr	bcr.c	44	54	0.5	2	4.9	1.6
3	Leamington S.	cbc	cpc	45	52	0.1	Trace	4.9	0.0
4	Cheltenham†	cbcc	rvhbc	43	54	1	2	5.1	0.0
5	Bath	cbcp	bchrc	46	53	4	1	5.0	0.0
	Weymouth ...	rccb	b	47	55	5	0.4	7.2	0.2
	Jersey ...	rc	pcbc	47	52	3	2	2.9	0.2
	Torquay ...	cbcp.	by	46	54	5	0.2	7.9	0.6
	Falmouth ...	b	cor.c	47	54	5	Trace	8.8	0.3
	Penzance ...	cp,bcp	bp.b	47	54	1	2	8.8	0.2
	St. Ives ...								
	Bude... ...	bc	bc	47	51	2	–	8.9	0.1
	Ilfracombe ...	cpbc	bcbbc	46	52	1	–	9.3	0.0
6	Aberystwyth	prhbc	bc	44	50	2	–	7.5	0.0
7	Llandudno ...	p.bc	bcv	45	50	2	Trace	6.8	0.3
	Colwyn Bay...	pbcbc	bcb	44	51	4	–	7.0	0.4
	Rhyl	prcbc	bcbpr	45	49	2	Trace	8.2	0.0
8	Wallasey ...	p.cbc	bcc	45	50	Trace	–	7.1	0.0
	Southport ...	cpbc	bcb	43	52	2	0.2	6.5	0.1
	Blackpool ...	cbc	cbcb	43	50	2	–	8.2	0.1
	Morecambe ...	cbc	b	44	49	3	–	9.1	1.0
9	Ilkley... ...	crc	bc	42	53	9	1	5.2	0.0
	Harrogate ...	bcc	bbcp.	41	53	4	Trace	6.0	1.1
10	Berwick-on-T.	cbc	bctc	40	49	0.1	–	4.7	4.2
11	Dunbar ...	cm.	cm.or.	41	49	–	0.3	2.2	3.2
12	Troon... ...	bccbc	bcbcc	42	50	0.3	–	7.7	3.4
	Douglas ...	bcpr	b	42	49	1	0.5	9.2	0.4

† 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 April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind northerly moderate, cloudy, occasional rain or showers especially near the coast; bright periods; cold; ground frost at night.
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 northerly, moderate; mainly bright but some showers of hail or rain perhaps with thunder locally; cold with frost at night.

GENERAL INFERENCE.

A trough of low pressure from the North Sea to Southeast England is moving southwards and will give cloud and rain at first in Eastern and Southeast England. In other districts, and later in the districts mentioned, the weather will be mainly bright apart from local showers. It will be cold with frost at night.

FURTHER OUTLOOK.

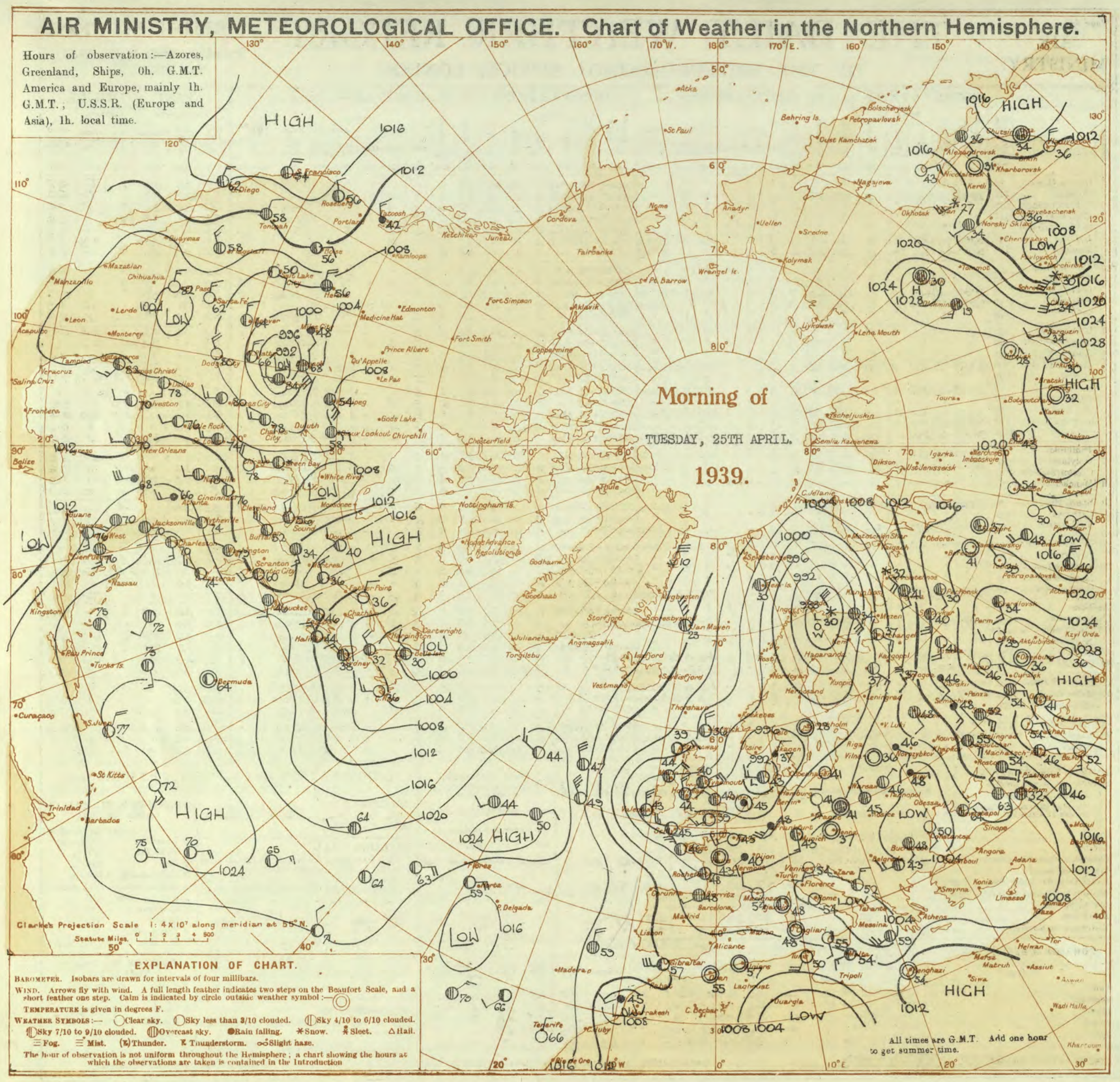
Little change.

Forecasts issued at 1000 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G 465) 3670 m 8/39 D 4626 Gp 948 35400 4/39.

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, 25th April, 1939
No. 28278

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

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	997·9	+6	SW'W	3	b	39	97	7	-	4	-	0	Tr	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	998·6	+6	WNW	3	b	40	75	8	4	-	-	Tr	Tr	5700c
	Manston ...	154	997·1	+8	W	3	Z_0	39	85	6	5	-	-	1	1	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	995·2	+4	W'N	2	c	45	85	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	19	996·2	+10	WSW	3	b	34	92	7	5	-	-	1	1	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	997·5	-2	W'N	2	c/pr	44	85	9	3	-	-	7-8	7-8	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	998·2	-6	WNW	4	bc	47	85	8	5	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	999·2	-10	W	4	bc	46	75	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	998·8	-14	W'N	5	bc	45	85	8	3	4	-	2-3	2-3	1500
	Guernsey ...	175	999·5	-8	WSW	1	bc	45	75	9	5	3	-	2-3	4-6	2500
6	Pembroke ...	142	997·3	+2	NW	1	bc/pr	44	85	8	8	4	-	4-6	4-6	1500
7	Holyhead ...	26	997·0	+14	N	3	b	44	85	8	1	-	-	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	995·0	+6	NW'W	2	c/r	43	85	6	5	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	10c	999·0	+30	ENE	5	c/r	40	85	7	6	-	-	10	10	800
11	St. Abbs Head	280	1000·0	+16	NNE	5	bc	40	65	9	2	4	9	2-3	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	997·8	+20	E'N	5	c	43	85	8	4	-	-	7-8	7-8	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·1	+22	NE	3	b	39	75	8	2	-	-	Tr	Tr	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003·0	+14	NNW	3	bc/p	36	85	8	8	7	-	4-6	4-6	1500
16	Lerwick ...	156	1003·2	+12	N	4	bc	36	75	8	5	-	-	2-3	2-3	2500
17	Blacksod Point	18	1001·2	+30	N	5	bc	46	75	8	3	-	-	4-6	4-6	2500
18	Malin Head ...	84	1000·7	+26	NE	4	c	44	75	7	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	999·4	-4	N	5	bc/pr	43	97	7	8	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 25th 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)	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)	1000·1	+18	WSW	1	Z_0	41	85	6	-	-	1	0	1	-	1	*
Croydon ...	999·7	+16	WNW	2	Z_0	40	85	6	-	4	1	0	Tr	-	1	*
S. Farnborough	1000·4	+22	WNW	1	Z_0	37	97	6	1	4	-	Tr	Tr	2500	1	*
Boscombe Down	1000·0	+14	N	1	bc	40	85	7	2	3	1	1	4-6	2500	1	*
Calshot (Sthmtn.)	999·6	+12	N'W	2	b	42	85	6	8	4	-	Tr	Tr	1500	1	0
Lympne ...	1000·3	+14	NNW	2	b	41	75	7	-	8	1	0	Tr	-	1	§1
Manston ...	999·3	+18	W	2	Z_0	41	85	5	-	-	1	0	Tr	-	1	*
Shoeburyness ...	999·6	+16	NE	2	bc	43	85	6	1	-	-	2-3	2-3	4000	1	*
Felixstowe ...	998·9	+20	NW'W	3	Z_0	41	85	6	1	4	1	Tr	Tr	5700	0	2
Gorleston ...	999·2	*	NW'N	2	r_0r_0	39	92	4	6	-	-	10	10	800	1	2
Mildenhall ...	999·0	+20	W	2	Z_0	36	92	5	-	-	8	0	4-6	-	1	*
Cranwell ...	999·7	+26	N	3	r_0r_0	40	92	6	6	2	-	9	10	800	1	*
Birmingham ...	1001·3	+24	NNW	3	m	39	92	4	5	-	-	10	10	800	1	*
Upper Heyford	1000·3	+22	NW	3	bc	39	85	7	5	4	6	1	2-3	4000	1	*
Ross-on-Wye	1000·9	+16	NW'N	2	bc	38	85	8	5	-	1	2-3	4-6	4000	0	*
Hartland Point	999·6	+18	NNE	2	bc	45	85	8	3	-	-	2-3	2-3	2500	1	2
Bristol ...	1000·5	+22	-	0	Z_0	40	92	6	7	3	-	4-6	7-8	2500	1	*
Portland Bill ...	999·6	+12	NE	3	bc	46	85	8	5	-	-	2-3	2-3	2500	1	3
Plymouth ...	999·8	+14	-	0	bc	43	85	8	3	4	-	1	2-3	2500	1	0
The Lizard ...	999·5	+14	NW	1	bc/pr	44	85	8	8	6	-	4-6	4-6	2500	1	1
Scilly (St. Mary's)	1000·5	+18	NE'N	4	c/p	45	92	8	3	4	3	4-6	7-8	1500	1	3
Guernsey ...	999·8	+6	S'W	1	c	44	85	7	8	-	-	7-8	7-8	2500	1	3
Pembroke ...	1000·2	+14	NE	1	bc	45	85	8	2	1	-	4-6	4-6	2500	1	1
Holyhead ...	1001·0	+34	NE'E	5	c/pr	44	85	8	2	3	-	4-6	7-8	1500	1	2
Chester (Sealand)	1001·5	+24	NE	3	c	42	75	6	5	-	-	10	10	1500	1	*
Manchester ...	1001·6	+16	NE	4	c/r	40	75	6	5	7	-	2-3	10	2500	1	*
Spurn Head ...	999·7	+26	NE'N	5	ir	41	85	7	6	-	-	9+	9+	1500	2	3
Catterick ...	1002·5	+28	N'E	3	bc	40	85	7	8	-	-	4-6	4-6	4000	1	*
Tynemouth ...	1002·7	+24	N	5	bc	43	65	8	2	-	-	4-6	4-6	2500	1	3
St. Abbs Head	1003·9	+24	NNE	6	c/p	40	75	9	8	6	1	4-6	7-8	1500	1	4
Leuchars ...	1005·6	+30	N	3	bc	39	75	9	8	3	-	2-3	4-6	4000	1	*
Renfrew (Abbots I.)	1007·1	+38	WNW	2	b	39	65	9	1	5	-	Tr	1	4000	0	*
Eskdalemuir ...	1004·3	+28	N'E	4	b	37	75	8	5	-	-	1	1	800	-	*
Point of Ayre...	1004·1	+32	E'N	5	c	42	75	8	8	3	-	2-3	7-8	2500	0	3
Tiree ...	1008·1	+28	NNE	3	bc	42	55	8	2	4	1	1	2-3	4000	0	3
Stornoway ...	1009·3	+18	N	2	c	38	75	8	8	7	-	4-6	7-8	2500	1	0
Dalwhinnie ...	*	+24	NNE	3	bc	35	75	8	4	4	4	2-3	4-6	4000	4	*
Aberdeen ...	1005·8	+30	NNW	3	pr	36	85	6	8	-	-	7-8	7-8	2500	1	1
Wick ...	1006·1	+14	N	4	c	40	65	8	5	7	9	7-8	9+	1500	1	2
Lerwick ...	1004·4	+8	N	4	prs	36	92	7	8	7	-	4-6	7-8	800	-	*
Blacksod Point	1005·4	+28	N	5	c	48	75	8	9	-	-	7-8	7-8	1500	1	4
Malin Head ...	1007·9	+28	NE'E	3	bc	43	55	8	2	-	1	2-3	4-6	5700	0	3
Aldergrove ...	1005·3	+36	NE	3	c	41	85	8	8	3	-	4-6	7-8	1500	1	*
Birr Castle ...	1004·3	+28	WNW	2	c	36	97	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy. †	1006·1	+34	NE'N	3	bc	46	75	8	2	-	1	2-3	2-3	2500	1	2
Roches Point	1003·5	+32	NW	4	bc	42	85	8	2	-	5	1	2-3	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 24th Hrs. (36)
London (Kew)	55	38	24	3	Tr	5·7
Croydon ...	57	35	27	5	Tr	6·4
S. Farnborough	56	32	25	2	2	7·4
Boscombe Down	55	31	25	0·2	-	8·0
Calshot (Sthmtn.)	56	37	32	3	-	4·2
Lympne ...	54	36	30	7	0·6	3·3
Manston ...	56	34	31	2	Tr	2·1
Shoeburyness ...	56	37	30	4	-	5·8
Felixstowe ...	54	38	35	3	-	5·2
Gorleston ...	54	36	35	2	1	3·7
Mildenhall ...	55	31	27	1	Tr	4·9
Cranwell ...	53	36	33	0·3	2	4·9
Birmingham ...	50	36	26	1	0·4	5·3
Upper Heyford	53	33	23	2	0·3	*
Ross-on-Wye	53	32	21	1	-	7·6
Hartland Point	50	42	39	-	2	11·1
Bristol ...	52	36	27	0·3	0·4	7·7
Portland Bill ...	51	45	*	Tr	-	*
Plymouth ...	52	41	33	0·5	-	8·8
The Lizard ...	53	40	*	0·2	0·5	9·4
Scilly (St. Mary's)	52	41	*	1	1	10·0
Guernsey ...	54	41	36	2	3	5·8
Pembroke ...	50	39	*	-	0·5	9·6
Holyhead ...	51	42	38	0·1	Tr	9·2
Chester (Sealand)	49	35	27	1	1	7·9
Manchester ...	51	33	27	-	Tr	6·7
Spurn Head ...	52	40	*	4	9	4·5
Catterick ...	52	37	36	0·6	2	4·3
Tynemouth ...	53	39	37	0·1	3	7·3
St. Abbs Head	48	37	*	Tr	2	*
Leuchars ...	52	33	25	3	0·1	1·7
Renfrew (Abbots I.)	51	35	27	0·5	Tr	3·9
Eskdalemuir ...	51	33	31	0·3	1	6·1
Point of Ayre...	52	41	*	-	Tr	11·6
Tiree ...	50	39	37	2	-	10·8
Stornoway ...	49	34	*	0·2	2	4·1
Dalwhinnie ...	45	29	22	3	0·2	2·7
Aberdeen ...	41	32	29	2	0·4	0·0
Wick ...	42	36	*	0·2	0·1	*
Lerwick ...	44	33	*	Tr	2	11·9
Blacksod Point	50	43	*	2	2	*
Malin Head ...	49	38	*	-	1	12·9
Aldergrove ...	51	35	29	1	-	5·6
Birr Castle ...	51	31	22	0·4	-	6·9
Valentia Obsy. †	51	42	39	3	2	7·4
Roches Point	53	39	*	0·4	0·3	*

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	bcprhbcz	bccypr	ccprcbc	55	38	24	3	Tr	5·7	*	*	6
CROYDON ...	217	c_0PRq	pr_0bcy	czprp	57	35	27	5	Tr	6·4	*	*	6
GREENWICH (Royal Observatory)...	149	rcphcy	cirhcy	cbcb	56	35	28	2	-	5·7	48	60	6
CITY (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	5·0	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	58	37	31	1		5·3	57	65	*
REGENTS PK. (Botanic Gardens)‡...	168	*	*	*	55	36	27	1	-	5·2	55	77	*
CAMDEN SQUARE ...	110	c	bc	*	57	37	30	1	-	*	*	60	*
KENSINGTON ...	80	c	cp	*	56	37	28	1	Tr	4·9	At 18h 67	60	*
HAMPSTEAD OBSERVATORY ...	450	opbc	bc	bc	54	35	30	0·3	-	5·3	*	67	*

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 whole period.			

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·2	7h. 25th	<0·1	11h. 24th

FOREIGN OBSERVATIONS.

18h. G.M.T. 24th April ..... 7h. G.M.T. 25th April .....

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 ...	1000·1	WNW	2	c/pr	46	1002·1	WSW	2	bc	43	55	39	4	5
BRUSSELS ...	997·2	WSW	4	c	48	999·5	WSW	2	bc	43	57	39	4	0·5
BERLIN ...	1000·1	SSW	4	bc	54	998·7	S	4	ir_0	45	57	43	Tr	Tr
ZURICH ...	1005·1	WNW	1	c	52	1003·9	SSW	3	c	48	59	45	-	-
ROME ...	1003·0	WNW	5	bc	59	1007·5	ESE	2	bc	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.

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 9 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 26th April, 1939.

No. 28279.

OBSERVATIONS at 13h. G.M.T. 25th 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)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1003·1	+20	N	3	zo	49	65	6	8	3	-	7-8	7-8	2500
	Croydon	1002·2	+10	NW	3	zo	51	65	6	3	6	3	4-6	4-6	4000
	S. Farnborough	1003·0	+16	NNW	4	c/pr	48	65	7	8	-	-	9	9	4000
	Boscombe Down	1002·7	+10	NE'N	3	zo	51	65	6	8	3	-	4-6	9	2500
	Calshot (Soton.)	1002·8	+16	SSW	2	pr	50	75	8	9	-	-	9+	9+	1500
	Lympne ...	1004·2	+22	WSW	3	PR	43	85	6	9	-	-	10	10	1500
	Manston ...	1002·3	+14	NW'N	2	c	50	65	7	8	6	8	4-6	7-8	4000
2	Shoeburyness ...	1002·8	+16	N'W	4	c	51	75	7	8	-	1	7-8	7-8	4000
	Felixstowe ...	1003·1	+26	NE	3	ro	43	85	6	6	2	-	7-8	10	800
	Gorleston ...	1003·5	+28	N'E	4	c	45	75	7	8	7	-	2-3	7-8	2500
	Mildenhall ...	1003·6	+24	N'W	4	c/pr	47	65	8	8	-	3	9	9+	2500
	Cranwell ...	1005·2	+22	NE	3	c	46	55	8	7	-	-	9	9	1500
3	Birmingham ...	1005·7	+22	NNE	3	ro	43	75	6	6	-	-	10	10	800
	Upper Heyford	1004·3	+18	NE	4	ro	45	75	7	5	-	-	10	10	1500
4	Ross-on-Wye ...	1006·6	+26	NE	3	pr	45	75	6	9	-	-	10	10	2500
5	Hartland Point	1003·7	+18	NE	2	bc	48	75	8	3	3	-	2-3	4-6	2500
	Bristol	1004·0	+18	NNE	4	bc	51	65	8	8	3	-	4-6	4-6	2500
	Portland Bill ...	1002·7	+14	WNW	2	c	47	92	8	5	4	-	4-6	7-8	2500
	Plymouth ...	1003·3	+22	NNE	2	c/phr	50	65	8	9	-	-	9+	9+	1500
	The Lizard ...	1003·6	+20	E'N	2	c	48	75	8	8	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	1004·7	+22	N	5	bc	52	85	8	8	6	-	2-3	4-6	1500
	Guernsey ...	1002·2	+14	NW'N	1	bc	51	65	9	2	-	-	4-6	4-6	1500
6	Pembroke ...	1008·0	+20	NE	4	c	52	55	7	2	7	1	4-6	7-8	2500
7	Holyhead ...	1007·4	+26	N	4	bc	47	55	9	2	3	-	2-3	2-3	2500
	Chester (Sealand)	1006·6	+18	N'E	1	zo	48	55	6	8	2	-	7-8	9	2500
8	Manchester ...	1005·9	-16	NE	3	bc	49	35	7	2	-	-	4-6	4-6	4000
10	Spurn Head ...	1005·1	+20	N'E	5	c	45	65	7	8	8	-	4-6	7-8	2500
	Catterick ...	1006·3	+18	NE'N	4	c/pr	45	55	8	9	-	-	7-8	7-8	1500
	Tynemouth ...	1006·9	+14	NNE	5	bc	44	75	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head...	1007·9	+8	-	0	bc	42	85	8	8	6	1	2-3	4-6	1500
	Leuchars ...	1008·2	+6	NW	3	c	47	55	8	6	-	-	10	10	4000
12	Renfrew (AbbotsI.)	1009·2	+10	NNW	3	c	48	45	9	2	6	3	7-8	9	2500
	Eskdalemuir ...	1007·8	+12	NNE	4	bc/p	45	45	8	8	-	1	4-6	4-6	1500
	Point of Ayre ...	1008·7	+14	NE	3	bc	49	55	8	3	-	-	2-3	2-3	4000
13A	Tiree	1011·4	+6	N'E	4	bc	44	75	8	8	4	-	4-6	4-6	2500
13B	Stornoway ...	1011·7	+6	NNW	5	c/pr	44	55	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	*	+18	NNE	5	c	38	65	8	4	6	-	4-6	10	2500
	Aberdeen ...	1007·7	+10	N'W	4	c	44	55	8	3	-	8	9	9	2500
	Wick	1008·4	+10	NNW	5	c	42	55	8	8	7	-	7-8	9+	1500
16	Lerwick... ...	1006·6	+10	N	4	c/rs	40	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1012·1	+22	NNE	5	bc	49	65	9	2	-	-	4-6	4-6	2500
18	Malin Head ...	1011·7	+18	N	2	bc	46	65	8	2	4	9	2-3	4-6	5700
	Aldergrove ...	1010·1	+20	NNE	3	bc	47	45	8	2	-	-	4-6	4-6	2500
19	Birr Castle ...	1009·2	+20	WNW	2	c	47	65	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.†	1010·1	+20	N'E	4	bc/pr	50	75	9	8	-	-	4-6	4-6	2500
	Roches Point ...	1008·2	+24	NNE	4	bc	52	65	9	3	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 25th 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)	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)	1006·6	+20	NE	4	zo	47	55	6	5	-	-	9+	9+	1500	0	*
Croydon	1006·9	+26	E'N	3	roro	43	92	6	6	7	-	4-6	10	2500	1	*
S. Farnborough	1006·6	+20	E'N	2	ido	45	75	6	7	-	-	10	10	4000	1	*
Boscombe Down	1006·6	+24	NE	4	c	46	65	8	8	6	-	7-8	9	2500	0	*
Calshot (Soton.)	1005·3	+18	NNE	4	bc	49	65	7	9	3	-	4-6	4-6	1500	1	2
Lympne	1006·8	+12	NE'N	3	c	42	75	8	8	6	2	4-6	7-8	2500	1	§3
Manston	1005·9	+18	NE'N	4	c	45	75	8	8	6	-	7-8	9+	2500	1	*
Shoeburyness	1006·4	+18	NNE	4	c/pr	43	85	8	9	6	-	7-8	9	2500	1	*
Felixstowe	1006·9	+18	ENE	2	c	45	65	9	8	4	-	4-6	7-8	1500	0	1
Gorleston	1006·3	+10	N'E	4	bc	47	75	7	8	-	-	4-6	4-6	2500	1	2
Mildenhall	1006·6	+12	N'W	4	bc	45	55	8	8	6	-	2-3	4-6	2500	1	*
Cranwell	1007·8	+16	N'E	3	bc	45	65	8	4	6	-	2-3	2-3	2500	1	*
Birmingham	1007·2	+10	NNE	3	bc	47	55	6	8	-	-	4-6	4-6	2500	1	*
Upper Heyford	1007·0	+10	NE	3	c	46	55	9	8	3	-	4-6	7-8	2500	1	*
Ross-on-Wye	1007·6	+6	NNE	2	zo	45	65	6	5	-	-	2-3	4-6	4000	0	*
Hartland Point	1006·6	+16	NE	5	c/p	45	85	9	8	-	-	7-8	7-8	2500	0	3
Bristol	1007·0	+14	NE'N	3	c	46	65	7	8	4	-	4-6	7-8	4000	0	*
Portland Bill	1005·3	+8	W	2	c	45	92	8	5	4	-	4-6	7-8	2500	1	3
Plymouth	1006·1	+18	WNW	1	pr	47	75	6	9	-	-	9	9	2500	1	1
The Lizard	1005·7	+14	NNW	4	bc	50	65	8	8	-	-	4-6	4-6	2500	1	2
Scilly (St. Mary's)	1007·2	+14	N	5	bc	49	85	8	8	-	-	2-3	2-3	1500	0	3
Guernsey	1004·5	+16	NNE	1	b	49	75	9	1	8	-	Tr	1	2500	1	2
Pembroke	1008·4	+16	NE'E	4	c	48	65	7	4	7	1	2-3	7-8	2500	1	2
Holyhead	1009·6	+12	N'W	5	bc	46	65	9	8	-	5	1	2-3	4000	-	3
Chester (Sealand)	1009·3	+16	N	3	c/pr	45	65	6	3		-	7-8	9	4000	1	*
Manchester	1008·6	+18	NE	3	c	45	65	7			-	7-8	9	5700	1	*
Spurn Head	1007·4	+14	N'E	5	bc	44	75	7			-	4-6	4-6	4000	1	4
Catterick	1008·9	+10	NE	2	c/p	43	55	8	6	4	-	9	9	800	1	*
Tynemouth	1009·0	+12	N	4	bc	43	65	8	2	4	1	2-3	4-6	2500	1	2
St. Abbs Head	1009·3	+4	N	3	c/pr	40	85	9	8	6	-	7-8	9	1500	1	2
Leuchars	1009·9	+12	N	4	c/p	43	65	9	8	7	-	7-8	9+	1500	1	*
Renfrew (AbbotsI.)	1011·3	+14	N	3	c/phr	48	92	8	5	6	-	9	9+	1500	1	*
Eskdalemuir	1009·3	+2	NE	3	c	42	65	8	8	7	1	7-8	7-8	1500	1	*
Point of Ayre	1010·4	+2	N'W	3	pr	45	75	8	9	-	-	9+	9+	4000	1	2
Tiree	1013·0	+6	N	4	c	44	65	8	8	3	-	4-6	7-8	2500	0	3
Stornoway	1013·7	+4	NNW	5	c	41	65	7	5	7	-	4-6	7-8	2500	1	3
Dalwhinnie	*	+12	NNE	3	c	36	75	8	4	2	-	7-8	10	2500	0	*
Aberdeen	1010·0	+14	N	4	bc	40	76	8	8	-	8	4-6	4-6	1500	1	2
Wick	1009·9	+10	NNW	5	c	42	55	8	8	7	8	4-6	7-8	1500	1	2
Lerwick	1008·7	+12	NNE	4	c/rs	36	97	8	8	3	-	7-8	10	800	-	*
Blacksod Point																
Malin Head	1013·6	+10	N	3	c/pr	42	86	8	7	4	8	2-3	7-8	5700	0	3
Aldergrove	1011·6	+8	NNW	4	c	46	65	9	2	3	-	7-8	7-8	2500	1	*
Birr Castle	1011·5	+8	WNW	2	bc	51	45	8	2	-	1	4-6	4-6	2600	0	*
Valentia Obsy.†	1013·4	+18	NE	5	bc	50	65	8	2	-	-	4-6	4-6	2500	1	3
Roches Point	1010·9	+10	N'E	4	bc	51	65	9	3	-	5	2-3	4-6	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 25th (37)	Weather 13h.—18h. 25th (38)	Weather 18h. 25th to 1h. 26th (39)	Weather 1h.—7h. 26th (40)
London (Kew)	bmobczocz	czocz	czobcb	bxbzo
Croydon	bbcmozo	czo,prjiro	probw	bwmo,x
S. Farnborough	b,cpro	cbcido,c	cidobbc	bmox
Boscombe Down	bcmoc	czobcc	cbcc	bmxbcmo
Calshot (Soton.)	bbcproh	protbc	bcbcb	bcbbmo
Lympne	ctph PR	cprot PR	bcbbcw	bcbwx
Manston	bmobc	bcmoc	bc	bc
Shoeburyness	mobbcy	bcpr	cbprbcr	bwx
Felixstowe	bcroromo	ciroc	c,b	bx
Gorleston	omroiroc	cbc	bc	bcprox
Mildenhall	bcmocropro	c,cbcry	bcwbvx	xcprbcm
Cranwell	crooromocy	probcy	bc	bbcmmo
Birmingham	moriro	oirobc	bcb	bmc
Upper Heyford	bccmocro	croc	cb	bmocmo
Ross-on-Wye	bcczo	c	bczobz	bmNcm
Hartland Point	bcbc	bcc	ciro p	cl
Bristol	cmobcc	bcpoc	cmox	cmox
Portland Bill	bcpr	cpr	c	cbc
Plymouth	cproph	ctprmo	cRRbbc	cmoc
The Lizard	bcphr	cpr bc	bc	bc
Scilly (St. Mary's)	cpobc	bc	cirotlr	crolbc
Guernsey	citt R	bcb	bbcc	cbc
Pembroke	bcy	c	cbc	bcproc
Holyhead	probc	bcyb	bcpro	cPRbc
Chester (Sealand)	cromozo	czoproy	bcczopro	czomoRro
Manchester	czorobcy	bcycyc	cbcczo	cmorocmo
Spurn Head	rcq	phrc	cprcq	prsc
Catterick	cprocy	procjp	probcc	cbcw
Tynemouth	bcphrbc	bc	bcpo	bcpobc
St. Abbs Head	cbc	prc	c	c
Leuchars	procjp	cyproc	cjpcbc	bcexc
Renfrew (AbbotsI.)	bbcyrc	cbcproRrc	bbcc	cbcb
Eskdalemuir	bcphobc	phcprsc	cprso	dodocbcx
Point of Ayre	cbc	cproc	rrc	bcb
Tiree	bc	bc	cbc	bc
Stornoway	cprsidopr	c	crr	crrdodo
Dalwhinnie	bcciso	ciS	.	ciS
Aberdeen	bcprsc	cprobc	bcprobc	bcproc
Wick	cy	cphrc	cbc	cproc
Lerwick	cprs	prsrs	cprobc	bcy
Blacksod Point	bcq			
Malin Head	bc	bcproc	bcprocbc	bc
Aldergrove	probcy	cybcyrc	bcprob	bwbcx
Birr Castle	c	cbc	bc	bccx
Valentia Obsy.†	bcprbc	bccbc	bcprobc	bcwbc
Roches Point	bcv	phrobcv	probc	cwbc

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.*

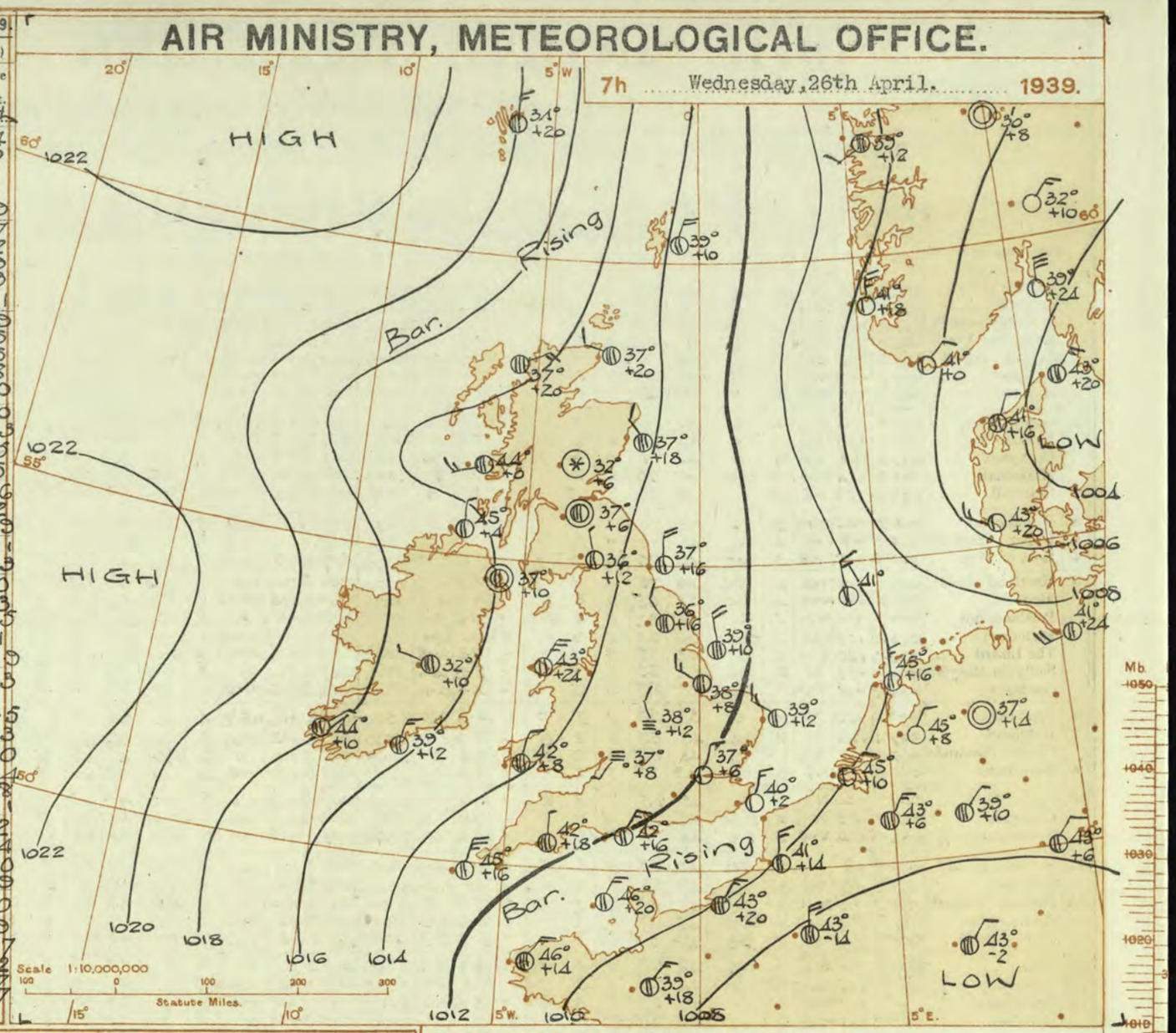
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 25th April 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.	corac	corhl	30	52	-	10	6.3	5.4
	Bournemouth	bc	tlrbc	34	54	Trace	2	4.4	4.9
	Ventnor ...	rbohpopbc		39	55	1	5	5.3	5.1
	Southsea ...	bcrc	bcpbc	39	53	-	3	6.7	4.0
	Bognor Regis	bctr	bcPR	36	53	0.5	4	6.8	3.9
	Littlehampton	bc	btlr	35	55	Trace	6	6.5	5.7
	Worthing ...	bc	bctr	37	53	0.3	2	7.1	5.2
	Brighton ...	b	bcrrc	38	54	0.3	11	7.5	4.5
	Eastbourne† ...	bbctl	tlcir	37	50	0.3	3	6.3	5.3
	Hastings† ...	bbcR	cpor	38	54	1	5	5.4	5.1
	Folkestone ...	bcc	cpctc	38	52	2	6	4.9	3.9
	Dover ...	bcoro	otroc	39	53	3	2	5.6	3.3
	Deal	bbcc	cro	37	54	5	Trace	5.4	2.5
	Ramsgate	bc	c	38	54	1	-	7.7	1.8
	Margate ...	bc	bcc	38	52	-	-	8.2	2.0
2	Southend ...	bbc	bcor	37	54	-	2	7.4	6.0
	Clacton-on-Sea	bcc	corc	37	51	-	1	5.3	6.3
	Dovercourt ...	bc	bcpbc	38	50	-	2	4.6	6.5
	Lowestoft ...	crcbc	bc	34	49	2	1	3.9	4.5
	Skegness ...	orcbc	bc	36	48	2	-	5.0	2.6
	Mablethorpe...	orbc	bc	39	48	3	-	6.7	3.2
	Cleethorpes ...	cbcv	bcv	40	48	7	-	7.8	4.9
3	Leamington S.	op	ocbc	33	50	0.2	-	1.9	5.1
4	Cheltenham†	c	crpc	32	49	-	0.5	3.8	6.3
5	Bath	bcc	bcp.	37	51	-	Trace	5.4	7.0
	Weymouth ...	bc	rcbrp	39	52	-	6	5.3	9.3
	Jersey ...	rcbc	bc	44	52	2	-	7.5	4.5
	Torquay ...	wbbcv	bccvp.	38	52	-	0.1	8.4	9.1
	Falmouth ...	b	b	40	54	4	-	7.3	9.9
	Penzance ...	pb,cp	b,cb	41	54	4	Trace	8.4	9.3
	St. Ives ...								
	Bude... ...	bc	bc	40	52	0.2	-	8.4	10.5
	Ilfracombe ...	pcbc	bcp	42	53	1	0.6	7.9	10.3
6	Aberystwyth	cbcc	p.c	37	49	-	0.3	5.0	9.0
7	Llandudno ...	p.c	bc	40	49	0.3	Trace	5.2	7.4
	Colwyn Bay...	pobcb	bcb	38	48	0.3	-	4.6	7.8
	Rhyl	orc	bc	36	50	1	Trace	3.9	8.1
8	Wallasey ...	cbc	corbc	39	51	Trace	1	2.8	9.2
	Southport ...	p.bcv	p.bcv	39	52	Trace	Trace	5.5	8.4
	Blackpool ...	cbc	crspb	40	50	Trace	0.3	6.0	10.0
	Morecambe ...	cbc	bcp	40	51	-	0.3	7.6	10.9
9	Ilkley... ...	cbcpc	cbcpc	36	49	1	0.4	6.0	6.0
	Harrogate ...	bc	bccp.	37	48	2	Trace	6.8	6.9
10	Berwick-on-T.	bcers	bcrsc	38	44	1	2	7.4	4.7
11	Dunbar ...	bcpr.	bcpr.	35	45	2	Trace	8.0	2.2
12	Troon... ...	bcbcc	corso	35	48	3	2	7.2	7.7
	Douglas ...	bcpr.	bc	38	49	0.3	Trace	7.9	10.7

† 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. 26th April, 1939.

Districts.	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands ...
5	S.W. England
6	South Wales ...
7	North Wales ...
8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland
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 northerly, moderate or fresh locally in squalls. Bright periods, but some showers of rain or hail. Cold with frost at night.

GENERAL INFERENCE.

Pressure is high to the west and low to the east and minor disturbances are moving southwards over the British Isles. In most places there will be showers of rain or hail or snow on the hills. It will remain cold with frost at night.

FURTHER OUTLOOK.

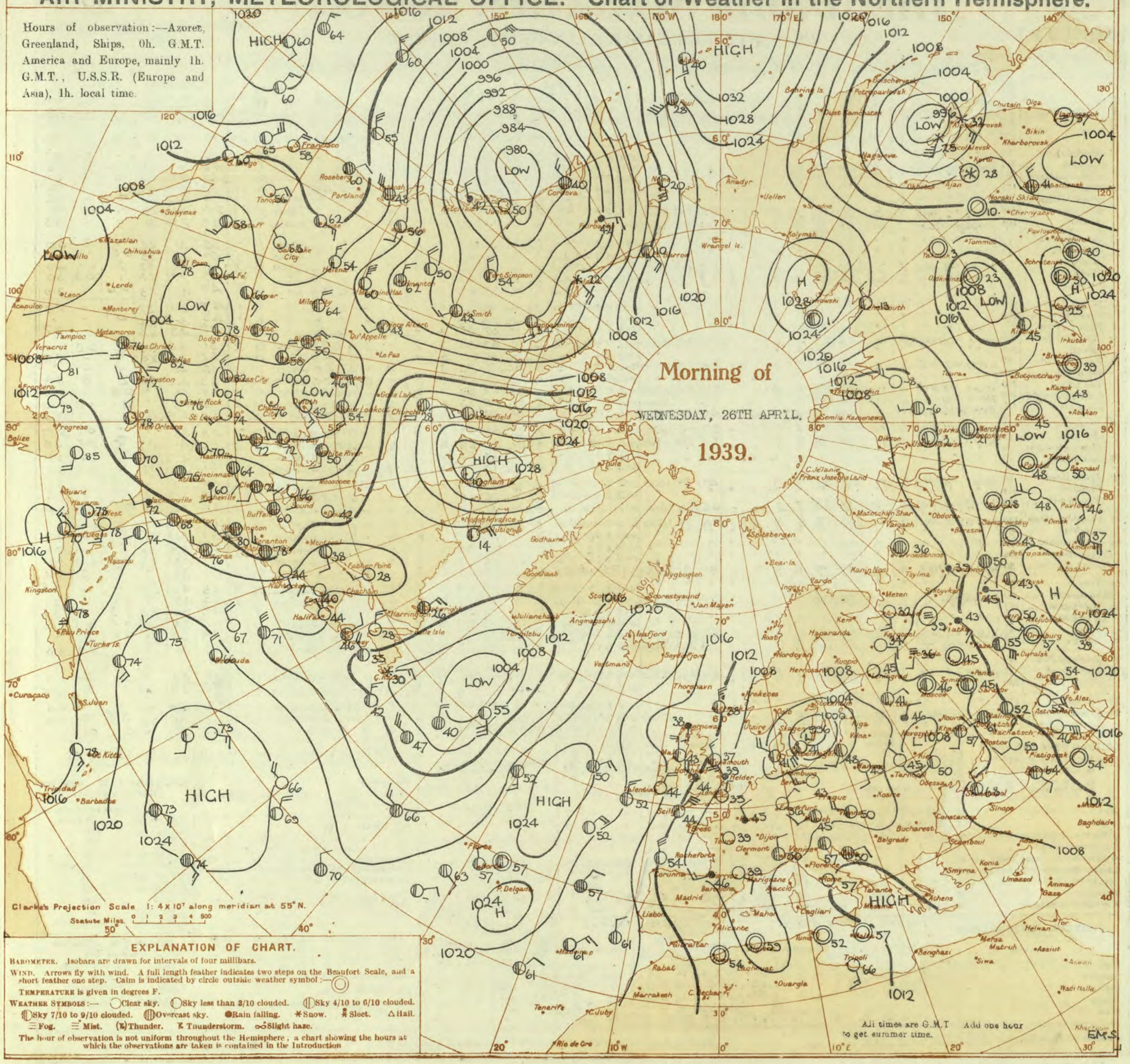
Similar, but showers becoming less frequent.

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
G 465. 3670 Pt 8109 D 4626 Gp 948 35400 4/39.

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

Wednesday.,26th April.1939
No. 28279.

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

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	1010·5	+6	NE'N	1	z_0	35	92	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010·6	+6	NNE	2	bc	37	85	8	5	4	-	2-3	4-6	4000
	Manston ...	154	1009·6	+10	NE'N	3	bc	40	75	8	5	-	-	4-6	4-6	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·6	+8	WNW	2	bc	40	75	8	8	-	-	2-3	2-3	4000
	Mildenhall ...	19	1010·5	+12	W'N	2	bc	28	92	8	5	-	-	2-3	2-3	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011·0	+12	NNE	5	c	45	75	8	8	-	-	7-8	7-8	2500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1009·8	+12	NE	3	c	43	75	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1010·1	+12	N'W	2	bc	43	85	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1011·1	+10	N'E	6	c/+lr	44	92	7	8	2	-	7-8	10	1500
	Guernsey ...	175	1008·3	+14	NE	4	c	46	75	9	5	3	-	4-6	9+	2500
6	Pembroke ...	142	1012·8	+12	NE'E	3	bc	42	85	7	5	4	-	2-3	4-6	1500
7	Holyhead ...	26	1012·1	+2	NW	4	pr	44	75	8	8	-	-	7-8	7-8	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010·1	+16	NNW	5	pr	39	92	7	5	-	-	9+	9+	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1011·2	+4	NNW	3	bc/pr	37	85	7	2	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1011·8	+8	N	5	c	39	75	8	8	6	-	7-8	9+	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1012·8	+16	NE'E	4	c	42	75	8	9	-	-	9+	9+	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·6	-6	S	1	rr	38	92	7	5	2	-	2-3	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1012·1	+4	NNW	3	bc	36	97	8	8	7	8	2-3	4-6	1500
16	Lerwick ...	156	1012·5	+20	N	5	bc	38	65	8	5	-	-	2-3	2-3	2500
17	Blacksod Point	18														
18	Malin Head ...	84	1015·8	+4	N	4	bc	43	65	8	8	-	-	4-6	4-6	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·1	+10	NNE	4	b	44	97	8	8	-	-	1	1	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1012·4	+10	NNE	2	z_0	40	75	6	-	-	1	0	1	-	0	*
	Croydon	1012·1	+6	NNE	2	z_0	37	85	5	5	4	-	Tr	1	2500	1	*
	S. Farnborough	1012·5	+12	NW	1	z_0	34	97	6	-	-	1	0	Tr	-	0	*
	Boscombe Down	1012·6	+6	N'E	2	z_0	37	85	6	-	-	6	0	4·6	-	0	*
	Calshot (Sthmtn.)	1011·8	+12	N	2	b	38	85	6	5	-	1	Tr	Tr	4000	1	1
	Lympne	1011·8	+2	N'E	3	b	40	85	8	2	-	-	1	1	2500	1	§1
	Manston	1011·1	+10	N'E	4	c	44	75	8	8	-	-	7-8	7-8	2500	1	*
2	Shoeburyness	1011·5	+14	NW	2	b	38	85	7	2	-	1	1	1	4000	1	*
	Felixstowe	1011·4	+14	NNW	3	b	38	85	7	1	4	1	Tr	Tr	4000	0	1
	Gorleston	1011·5	+12	NW'W	3	bc	39	85	6	8	3	1	2-3	4-6	2500	0	2
	Mildenhall	1012·0	+12	NW	2	z_0	37	85	6	-	-	2	0	7-8	-	1	*
	Cranwell	1012·5	+8	NW	3	z_0	38	85	5	-	4	2	0	7-8	-	1	*
3	Birmingham	1013·4	+12	NNW	2	m	38	85	4	-	1	-	0	10	-	1	*
	Upper Heyford	1013·5	+14	N'W	3	z_0	35	85	5	-	-	8	0	9	-	1	*
4	Ross-on-Wye	1013·2	+8	SW	1	m	37	85	4	-	3	-	0	9+	-	0	*
5	Hartland Point	1012·7	+12	NNE	3	c	43	85	7	2	-	2	4-6	7-8	1500	0	2
	Bristol	1013·2	+10	-	0	z_0	36	92	5	4	7	-	4-6	7-8	2500	0	*
	Portland Bill	1011·4	+16	NE	3	bc	42	85	8	1	4	-	4-6	4-6	2500	1	3
	Plymouth	1012·8	+18	N	1	c	42	75	8	5	-	8	2-3	7-8	2500	1	1
	The Lizard	1012·8	+20	N'W	3	bc	42	92	7	8	6	-	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1013·3	+16	N'E	5	bc	45	85	8	8	6	-	4-6	4-6	1500	0	3
	Guernsey	1010·3	+20	NE	3	bc	46	65	8	2	3	-	4-6	4-6	2500	0	3
6	Pembroke	1014·1	+8	NNE	2	c	42	75	7	8	-	-	7-8	7-8	1500	1	1
7	Holyhead	1014·3	+24	NE'N	5	bc	43	65	8	2	8	-	4-6	4-6	2500	0	3
	Chester (Sealand)	1014·5	+18	W'N	1	r_0r_0	38	92	6	9	-	-	9+	9+	1500	1	*
8	Manchester	1014·0	+20	N	2	z_0	40	85	6	8	3	-	2-3	4-6	4000	1	*
10	Spurn Head	1012·2	+10	NNW	4	c/pr	39	92	6	9	8	7	4-6	10	800	1	3
	Catterick	1013·9	+16	NW'N	2	c	36	85	7	5	-	-	2-3	7-8	4000	1	*
	Tynemouth	1013·1	+16	N	4	bc	37	85	7	8	-	-	4-6	4-6	2500	1	2
11	St. Abbs Head	1013·6	+16	NNE	5	c	39	75	9	8	4	9	4-6	7-8	2500	0	4
	Leuchars	1014·4	+12	NW	3	c	40	65	9	8	3	-	2-3	7-8	4000	1	*
12	Renfrew (Abbots I.)	1015·4	+6	-	0	c	37	85	8	5	4	-	9+	9+	4000	1	*
	Eskdalemuir	1014·9	+12	N'W	1	bc	36	65	8	5	4	6	Tr	4-6	2500	-	*
	Point of Ayre	1015·3	+16	NE'E	4	b	42	65	8	2	-	5	Tr	1	4000	0	2
13A	Tiree	1014·8	0	W'S	3	bc	44	65	8	5	3	-	2-3	4-6	2500	0	3
13B	Stornoway	1016·1	+20	ENE	3	c	37	92	8	5	6	-	7-8	9	2500	1	2
15	Dalwhinnie	1015·2	+6	-	0	iS	32	97	7	-	2	-	0	10	-	7	*
	Aberdeen	1014·4	+18	NNW	2	c	37	92	6	8	7	-	4-6	7-8	2500	1	1
	Wick	1014·8	+20	WNW	2	c/pr	37	75	8	5	7	-	7-8	10	1500	1	1
16	Lerwick	1013·8	+10	N'E	4	bc	39	55	8	8	7	-	4-6	4-6	1500	1	*
17	Blacksod Point																
18	Malin Head	1016·8	+4	N	1	bc	45	65	8	7	-	1	2-3	4-6	5700	0	1
	Aldergrove	1016·0	+10	-	0	bc	37	75	9	2	3	-	Tr	2-3	1500	1	"
19	Birr Castle	1016·9	+10	WNW	1	c	32	97	8	5	4	-	4-6	7-8	2500	0	*
20	Valentia Obsy. †	1018·3	+10	NE'E	1	bc	44	75	8	8	-	-	4-6	4-6	2500	1	2
	Roches Point	1017·3	+12	NNE	3	bc	39	92	9	-	4	9	0	2-3	-	0	2

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 25th Hrs. (36)
1	London (Kew)	51	35	21	-	Tr	8·3
	Croydon	53	31	23	0·6	Tr	7·6
	S. Farnborough	54	27	20	Tr	Tr	6·1
	Boscombe Down	53	29	24	-	-	7·0
	Calshot (Sthmtn.)	54	36	33	0·6	-	8·2
	Lympne	50	34	29	6	-	5·1
	Manston	52	37	31	-	-	9·5
2	Shoeburyness	55	31	23	1	Tr	8·0
	Felixstowe	50	32	28	0·5	-	4·7
	Gorleston	48	36	32	3	0·1	4·0
	Mildenhall	49	27	23	1	0·3	3·0
	Cranwell	49	33	29	0·6	-	3·9
3	Birmingham	47	37	27	1	-	1·3
	Upper Heyford	48	30	24	0·1	-	*
4	Ross-on-Wye	49	33	24	-	-	3·7
5	Hartland Point	51	42	39	-	0·3	10·0
	Bristol	52	33	25	Tr	-	7·6
	Portland Bill	49	40	*	4	-	*
	Plymouth	53	40	36	2	7	5·3
	The Lizard	53	40	*	0·2	-	6·6
	Scilly (St. Mary's)	52	43	*	0·1	0·2	10·9
	Guernsey	53	44	37	1	-	9·5
6	Pembroke	53	38	*	-	0·1	10·7
7	Holyhead	48	41	37	Tr	0·5	6·5
	Chester (Sealand)	51	37	31	0·1	4	1·1
8	Manchester	51	36	32	Tr	0·3	4·7
10	Spurn Head	48	36	*	0·5	1	9·8
	Catterick	48	35	35	Tr	-	7·4
	Tynemouth	45	36	32	0·5	0·1	10·6
11	St. Abbs Head	43	36	*	1	0·4	*
	Leuchars	47	31	21	Tr	-	4·8
12	Renfrew (Abbots I.)	50	33	28	2	-	7·8
	Eskdalemuir	47	28	23	0·6	0·3	8·0
	Point of Ayre	50	38	*	Tr	2	8·2
13A	Tiree	48	40	37	-	-	11·4
13B	Stornoway	44	35	*	0·2	5	2·1
15	Dalwhinnie	43	30	22	0·5	1	3·1
	Aberdeen	45	33	31	0·4	0·3	5·5
	Wick	44	32	*	0·2	0·2	*
16	Lerwick	45	34	*	1	0·1	4·8
17	Blacksod Point			*			*
18	Malin Head	47	39	*	Tr	Tr	11·1
	Aldergrove	50	33	25	Tr	Tr	10·6
19	Birr Castle	52	29	20	-	-	8·4
20	Valentia Obsy. †	53	38	30	0·5	Tr	10·8
	Roches Point	54	37	*	0·1	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.	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	$bmbcz_0cz_0$	cz_0cz_0	cz_0bcbx	51	35	21	-	Tr	8·3	•	•	7
Croydon	217	$bbcm_0z_0$	cz_0prjlr_0	pr_0bw	53	31	23	0·6	Tr	7·6	•	•	6
Greenwich (Royal Observatory)	149	c	r_0cir_0	r_0cbxc	52	34	26	Tr	Tr	5·5	65	59	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	7·4	•	•	•
Westminster (St. James' Park)	27	•	•	•	55	37	32	Trace		6·6	65	63	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	54	34	29	Tr	-	7·2	71	60	•
Camden Square	110	bc	bc	•	54	35	29	0·3	-	•	•	66	•
Kensington	80	bc	cp	•	54	36	28	0·2	-	6·7	At 18h 78	63	•
Hampstead Observatory	450	bcor	bc	bc	51	33	29	0·4	-	8·2	•	68	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 26th

	Max.	Time.	Min.	Time.
South Kensington.	<0·3 whole period.			
Kew Observatory.	0·2	20-21h 25th	<0·1	15h 25th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 25th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 26th April 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	1003·7	NE	2	c	50	1007·4	N	4	z_0	43	57	41	-	2
Brussels	1003·9	E	1	c	48	1009·2	NE	3	o	43	57	39	0·1	4
Berlin	1000·4	SW	3	c	55	1009·4	W	2	bc	45	59	41	0·3	-
Zürich						1005·4	E	1	c	43		41		1
Rome	1010·0	S	2	b	61	1012·3	ESE	2	b	57	•	•	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	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 3 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 27th April, 1939.
No. 28280

OBSERVATIONS at 13h. G.M.T. 26th 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)	°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)…	1013.6	+8	N	4	c/pr	47	55	6	8	–	3	7-8	9	2500
	Croydon …	1012.8	+4	NNE	2	bc	49	55	6	3	4	9	2-3	4-6	4000
	S. Farnborough	1013.3	+6	NE'E	2	c	49	45	7	8	–	2	7-8	9+	4000
	Boscombe Down	1013.6	+2	NNE	3	cjp	48	46	6	9	–	7	9	10	1500
	Calshot (Soton.)	1013.1	+6	ENE	3	c	52	45	9	2	6	1	7-8	7-8	2500
	Lympne …	1015.1	+2	NE'N	3	bc	47	55	8	2	–	2	4-6	4-6	4000
	Manston …	1012.9	+8	NE'N	3	bc	47	65	8	8	–	3	4-6	4-6	2500
2	Shoeburyness …	1013.3	+12	ENE	2	c/pr	43	75	8	3	–	2	7-8	7-8	2500
	Felixstowe …	1013.7	+16	E'N	3	pr	42	85	6	9	2	–	7-8	9+	800
	Gorleston …	1013.3	+16	NE'N	4	bc	48	65	7	2	–	–	2-3	2-3	2500
	Mildenhall …	1013.5	+10	N'W	3	ph-r	47	65	8	9	6	–	9	9+	4000
	Cranwell …	1014.8	+14	NNW	2	c	44	75	7	3	3	3	7-8	7-8	2500
3	Birmingham …	1015.0	+10	WNW	1	c/pr	42	75	6	8	7	–	9	10	1500
	Upper Heyford	1014.3	+8	N'W	3	psh	46	55	8	8	3	5	7-8	9	2500
4	Ross-on-Wye …	1014.9	+12	N	3	bc/pr	45	65	6	6	8	–	2-3	2-3	2500
5	Hartland Point	1014.2	+12	NNE	3	bc	48	75	9	3	–	–	4-6	4-6	2500
	Bristol …	1014.0	+6	E	2	bc	49	55	7	2	–	–	4-6	4-6	4000
	Portland Bill …	1013.8	+6	NE	3	c	50	65	8	5	4	–	7-8	9	2500
	Plymouth …	1014.2	+12	ESE	2	pr	45	75	9	9	–	–	9+	9+	4000
	The Lizard …	1013.6	+8	NNW	4	c	48	55	7	8	2	–	7-8	9+	1500
	Scilly (St. Mary's)	1015.1	+10	N	5	c/pr	48	85	8	8	6	–	7-8	9	1500
	Guernsey …	1012.8	+14	NE'E	4	bc	49	65	8	7	1	8	4-6	4-6	2500
6	Pembroke …	1015.8	+6	NE'E	4	cq	47	65	8	2	–	–	4-6	7-8	2500
7	Holyhead …	1016.9	+14	N	3	b	47	65	9	1	4	–	1	1	4000
	Chester (Sealand)	1015.6	+6	NNW	3	c	48	55	8	2	–	–	7-8	7-8	2500
8	Manchester …	1015.2	+8	NNE	2	c	48	45	7	8	–	–	7-8	7-8	4000
10	Spurn Head …	1014.9	+20	N'E	4	bc	46	75	7	2	4	–	4-6	4-6	2500
	Catterick …	1015.5	+10	NNE	2	c/ps	44	55	8	8	–	–	9	9	2500
	Tynemouth …	1015.5	+12	N	5	bc	43	75	8	2	–	–	4-6	4-6	1500
11	St. Abbs Head…	1016.5	+18	NNE	3	c	42	65	9	2	3	9	4-6	7-8	2500
	Leuchars …	1017.4	+18	E	1	c	44	65	7	8	7	–	9	9+	2500
12	Renfrew (AbbotsI.)	1017.9	+14	E'N	3	rr	38	92	5	5	–	–	10	10	800
	Eskdalemuir …	1016.3	+8	N	2	ido	43	55	8	5	–	–	10	10	1500
	Point of Ayre …	1017.1	+14	NW	2	bc	50	55	8	1	6	3	Tr	4-6	4000
13A	Tiree …	1016.4	+12	NNE	4	c	46	75	8	8	–	–	7-8	7-8	2500
13B	Stornoway …	1019.6	+22	NE	4	bc	45	65	9	2	–	9	4-6	4-6	2500
15	Dalwhinnie …	*	+12	NNE	4	c	39	85	7	4	6	–	4-6	10	2500
	Aberdeen …	1017.3	+20	NNE	3	phr	45	45	8	2	3	–	7-8	7-8	2500
	Wick …	1018.5	+18	N	4	cq	41	65	8	8	6	3	4-6	7-8	2500
16	Lerwick…	1015.5	+4	NNE	4	bc	43	65	8	8	7	–	4-6	4-6	1500
17	Blacksod Point…	1018.6	+6	W	2	bc	50	75	9	2	–	–	4-6	4-6	5700
18	Malin Head …	1016.7	+2	W	4	bc	49	65	8	8	–	1	4-6	4-6	5700
	Aldergrove …	1016.5	0	WNW	2	bc	54	45	9	2	–	9	4-6	4-6	2500
19	Birr Castle …	1017.4	+4	WNW	2	c	51	55	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.†	1019.5	+6	N	3	bc	50	55	9	2	–	–	4-6	4-6	4000
	Roches Point …	1017.8	+2	N'E	3	bc	52	55	9	1	–	–	4-6	4-6	4000

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

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)	1015.0	+8	NNW	3	c/pr	44	75	6	8	–	–	9+	9+	2500	1	*
Croydon	1014.6	+8	N'E	3	c/pr	45	65	5	4	7	–	4-6	9+	4000	1	*
S. Farnborough	1014.9	+6	NE'N	4	c	47	65	7	8	7	8	4-6	9	4000	0	*
Boscombe Down	1015.6	+12	NNE	3	c	47	65	7	8	7	8	4-6	7-8	2500	0	*
Calshot (Soton.)	1014.5	+12	N'E	3	c	50	55	8	2	3	9	2-3	9+	4000	0	2
Lympne	1015.0	+12	NNE	3	bc	42	65	8	2	–	6	2-3	4-6	4000	0	§2
Manston	1014.4	+14	NE'N	4	c	43	75	8	8	6	6	4-6	7-8	2500	0	*
Shoeburyness	1014.8	+8	NE	3	c	44	65	9	8	6	2	4-6	7-8	2500	1	*
Felixstowe	1014.9	+8	ENE	3	c	45	65	8	8	–	6	2-3	7-8	1500	0	1
Gorleston	1014.9	+10	N'E	4	bc	47	65	7	8	4	–	2-3	4-6	2500	0	2
Mildenhall	1015.1	+4	N'E	4	bc	46	65	8	8	–	9	2-3	2-3	2500	1	*
Cranwell	1016.8	+14	WNW	3	pr	39	92	8	9	–	–	9+	9+	2500	1	*
Birmingham	1016.9	+12	N	3	zo	43	75	6	5	3	–	4-6	7-8	2500	1	*
Upper Heyford	1016.2	+6	N'E	3	bc	43	75	8	8	4	5	2-3	2-3	2500	1	*
Ross-on-Wye	1016.6	+6	ENE	3	c	43	75	7	8	–	–	7-8	7-8	2500	0	*
Hartland Point	1015.8	+10	NNE	2	bc	48	65	8	4	–	–	4-6	4-6	2500	0	2
Bristol	1016.4	+8	—	0	zo	43	75	6	4	6	–	2-3	4-6	4000	0	*
Portland Bill	1014.8	+8	NNE	3	c	47	85	8	5	4	–	7-8	9	2500	1	3
Plymouth	1016.1	+8	NNE	3	c/pr	45	75	7	9	3	–	7-8	9+	2500	1	0
The Lizard	1016.0	+12	NNE	3	bc	44	75	8	8	6	–	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1016.5	+8	N	5	c	47	85	8	8	–	–	7-8	7-8	1500	0	3
Guernsey	1014.4	+16	NNE	2	bc	47	55	8	–	3	8	0	2-3	–	1	3
Pembroke	1017.5	+10	NNE	4	bq	46	65	8	5	–	–	1	1	2500	1	1
Holyhead	1018.1	+4	NW'N	2	c	46	65	9	1	9	–	Tr	7-8	4000	0	1
Chester (Sealand)	1017.6	+6	NW	4	bc	47	65	8	8	6	–	2-3	4-6	2500	1	*
Manchester	1016.9	+10	NE'N	2	bc	48	45	7	8	3	–	2-3	4-6	4000	1	*
Spurn Head	1016.4	+12	N'W	4	bc	44	75	7	8	4	–	4-6	4-6	2500	0	3
Catterick	1018.3	+16	NE'N	3	c	42	75	8	8	3	–	4-6	7-8	1500	1	*
Tynemouth	1018.5	+10	N	4	bc	43	65	8	2	3	1	2-3	4-6	2500	0	2
St. Abbs Head	1019.9	+18	NNE	2	c	42	55	9	8	4	–	4-6	7-8	2500	0	2
Leuchars	1020.0	+14	—	0	c/pr	41	75	8	8	6	–	4-6	9	2500	1	*
Renfrew (AbbotsI.)	1019.6	+10	E	3	zo	44	75	6	8	3	–	7-8	7-8	1500	1	*
Eskdalemuir	1018.8	+10	ENE	4	c	41	55	8	8	–	–	7-8	7-8	2500	1	*
Point of Ayre	1018.5	+4	ESE	3	c	46	65	8	8	1	–	7-8	9+	2500	0	2
Tiree	1019.5	+16	N'E	4	bc	47	55	8	7	4	–	2-3	2-3	4000	0	3
Stornoway	1022.6	+14	NNE	5	bc	43	65	9	2	5	–	4-6	4-6	4000	1	3
Dalwhinnie	1021.5	+14	NNE	3	bc	39	65	8	–	5	1	0	2-3	–	0	*
Aberdeen	1020.3	+18	N'W	4	phr	42	65	8	8	–	–	9	9	2500	1	2
Wick	1020.0	+14	N	5	bc	42	65	8	8	7	1	4-6	4-6	1500	1	2
Lerwick	1019.4	+16	N	5	c	41	65	8	8	7	–	4-6	7-8	1500	0	*
Blacksod Point	1020.1	+10	NNW	3	bc	49	75	9	2	–	–	4-6	4-6	2500	0	2
Malin Head	1019.1	+20	N	3	bc	45	85	8	7	–	1	2-3	4-6	5700	0	1
Aldergrove	1017.9	+10	E	3	c/phr	44	85	9	8	–	–	9+	9+	1500	1	*
Birr Castle	1018.6	+8	WNW	2	c	46	75	8	4	3	–	4-6	7-8	1500	0	*
Valentia Obsy.†	1021.0	+8	NNW	4	b	50	65	9	2	–	–	1	1	4000	0	2
Roches Point	1018.7	+2	N'E	3	bc	54	55	9	3	–	3	4-6	4-6	2500	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 26th. (37)	13h.—18h. 26th. (38)	18h. 26th. to 1h. 27th. (39)	1h.—7h. 27th. (40)
London (Kew)	bzocprocz	cprocproc	czobcb	bxbzo
Croydon	brocz o	czoy⊕pro	cmopro,b	bbcxmo
S. Farnborough	b,cpro	cyproqc	cbcb	bxcmobc
Boscombe Down	bcmocjp	cjpcprc	cbcbbc	bcc
Calshot (Soton.)	bbmobcy	bccy	cybw	bwbc
Lympne	bccbcy	bcybc	bcbwbcpro	bbcw
Manston	bccbc	bcc	bcpro	bccpro
Shoeburyness	prohqp	cprcv	cbcbx	bwx
Felixstowe	bvcproho	cprbccy	cbcb	bxbv
Gorleston	bcpro	bc	bccpro	cphrbcc
Mildenhall	phrcpr	cprbc	bcbxbcx	bfbcfphr
Cranwell	cproho c	cphPHpr	cprbc	bcxPSbmo
Birmingham	cmbcpro	ccprobc	probc	bcb
Upper Heyford	cmoc	cprobcprobc	bcbbc	cbcb
Ross-on-Wye	czocgpo	bccbzoc	bccbmo	copoc
Hartland Point	cbc	bccbc	bcpbc	bcc
Bristol	cmbcjpy	bcycpobc	bczobm	bxbccmjp
Portland Bill	bcc	cpr	bcb	bcc
Plymouth	cb,cpro	PHRpr	czocb	b,cmo
The Lizard	bccy	prbc	bc	bcc
Scilly (St. Mary's)	cphrpo	cbcc	cbcb	bbc
Guernsey	bc	bc	bcciR	c
Pembroke	cbcqc	cbcbq	bcc	prc
Holyhead	bc,b	byc	bcRRc	iroprb
Chester (Sealand)	rorom o cy	cbcy	bccyzo	c,bzomo
Manchester	bcmspry	cybcy	bcybczoro	cbczo
Spurn Head	cprq	cq	cq	cqpr
Catterick	props o	cprobc	bcbcmo	bybc
Tynemouth	bcpobc	bc	bc	bcpo
St. Abbs Head	c	cy	bbcc	cbcc
Leuchars	procprc	procproc	probcbx	bxb
Renfrew (AbbotsI.)	roroffrr	rrrorocmo	bcmo	bccxc
Eskdalemuir	bccido	idociroc	cbc	bcbx
Point of Ayre	b	bcc	rrcbc	bcb
Tiree	cprbc	bc	bc	bc
Stornoway	cprobc	bc	bcc	c
Dalwhinnie	ciS	cbc		bcc
Aberdeen	prosoc	cbccy	psobcbx	bxbc
Wick	cproc	phrbc	bc	bcprc
Lerwick	cbc	bccpho	c	ciro
Blacksod Point	bc	bc	bcq	bcq
Malin Head	bc	⊕bcprobc	cbccbcc	cbcc
Aldergrove	bbcy	phPRHc	c,llobc	bwbc
Birr Castle	c	c	cprc	cx
Valentia Obsy.†	bcvy	bcvybv	bcbw	bxbc
Roches Point	bcy	phbcvy	PRtbc	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$_0$, 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.*

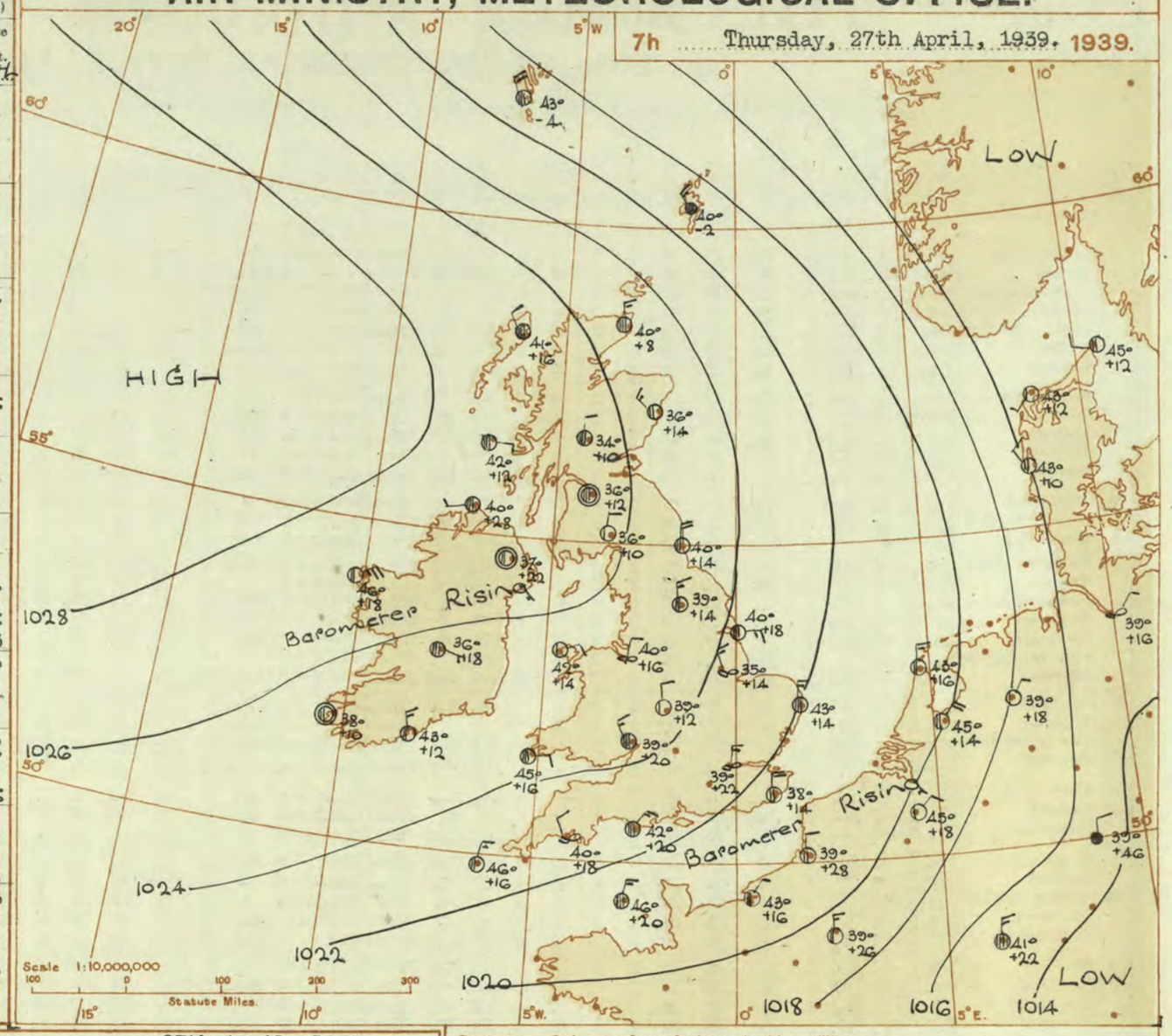
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 26th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	copc	cbcc	29	51	2	Trace	7.9	6.3
	Bournemouth	b	bcc	33	53	—	—	7.8	5.3
	Ventnor ...	xbc	cpbc	36	53	—	Trace	9.7	5.5
	Southsea ...	bbc	bcc	36	54	—	—	9.7	7.1
	Bognor Regis	bbc	bc	34	51	5	—	8.6	6.8
	Littlehampton	bc	bc	34	52	1	—	7.7	6.5
	Worthing ...	bbc	bcc	35	52	—	—	8.2	7.1
	Brighton ...	pbc	bcpcp	37	51	0.2	Trace	7.3	7.5
	Eastbourne† ...	bccy	cybcc	35	53	1	—	8.8	6.3
	Hastings† ...	bc	bcc	34	51	1	—	8.5	5.4
	Folkestone ...	bc	bc	37	51	—	—	9.5	4.9
	Dover ...	bc	bc	37	51	Trace	—	10.2	5.7
	Deal	bcb	b	39	52	—	—	10.6	5.4
	Ramsgate ...	bc	bc	34	47	—	—	11.0	7.9
	Margate ...	bc	bc	42	53	—	—	11.3	8.7
2	Southend ...	c	corc	34	48	0.5	0.3	5.9	7.4
	Clacton-on-Sea	bccph	cphc	34	47	—	5	5.8	5.6
	Dovercourt ...	bcv	bcrbc	36	47	—	2	6.7	4.6
	Lowestoft ...	bc	bc	33	49	Trace	—	11.0	5.0
	Skegness ...	bcb	b	33	48	Trace	—	11.4	6.8
	Mablethorpe...	bcb	b	34	48	Trace	—	9.5	8.2
	Cleethorpes ...	bcv	bbcv	36	47	1	—	8.8	9.2
3	Leamington S.	c	cprsc	30	49	—	1	2.0	3.1
4	Cheltenham†	cz	bccz	30	50	—	—	3.3	4.7
5	Bath	cbc	bccp	31	51	—	1	3.5	5.4
	Weymouth ...	bbc	cbbc	37	52	0.1	—	8.8	5.6
	Jersey ...	bc	bc	44	53	—	—	10.2	9.4
	Torquay ...	bcb	cbccjp	40	50	1	—	5.0	8.6
	Falmouth ...	b	cscr	42	51	—	Trace	4.3	8.3
	Penzance ...	bcbbc	bcrb	41	52	10	1	8.0	10.0
	St. Ives ...								
	Bude... ...	cpb	bcc	36	52	—	1	6.6	9.4
	Ilfracombe ...	pcbc	bcpbc	40	51	Trace	0.1	5.1	7.9
6	Aberystwyth	prhbc	bc	36	50	3	—	9.1	5.0
7	Llandudno ...	bcb	bbcc	37	48	5	—	9.6	6.7
	Colwyn Bay...	bcb	bcbbc	37	46	4	—	9.3	6.3
	Rhyl	bc	bbc	36	48	1	—	10.0	4.6
8	Wallasey ...	bcb	bbcc	36	48	7	—	9.7	4.5
	Southport ...	bvbcy	bvbcc	35	52	3	—	10.4	6.6
	Blackpool ...	bbc	bbc	35	49	9	—	10.4	6.4
	Morecambe ...	bcb	bbcc	39	52	Trace	—	10.4	8.2
9	Ilkley... ...	bc	bcc	25	47	—	—	3.8	6.3
	Harrogate ...	bcc	bccp	34	47	Trace	0.2	5.0	7.5
10	Berwick-on-T.	bc	cbc	34	45	1	—	8.8	8.2
11	Dunbar ...	bcx	bc	32	45	0.3	—	8.5	8.1
12	Troon... ...	crorc	rorc	35	45	Trace	4	1.0	7.5
	Douglas ...	b	bc	36	48	1	—	8.7	7.9

† 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. 27th April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Wind northerly, moderate; some showers of hail or rain to-day, mainly fair tomorrow; cold to-day with frost at night; somewhat warmer tomorrow.
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	Wind northerly, light or moderate; mainly fair; average temperature.
16 Orkney and Shetland	Wind northwest, moderate; cloudy, occasional light rain or drizzle; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W Ireland	As 6 - 15.

GENERAL INFERENCE.

An anticyclone to the northwest of the British Isles is slowly spreading over the country. The tendency for showers of hail or rain is decreasing though they will still occur in southern districts of England. Warmer conditions will spread from the north and west but there will be frosts tonight in England.

FURTHER OUTLOOK.

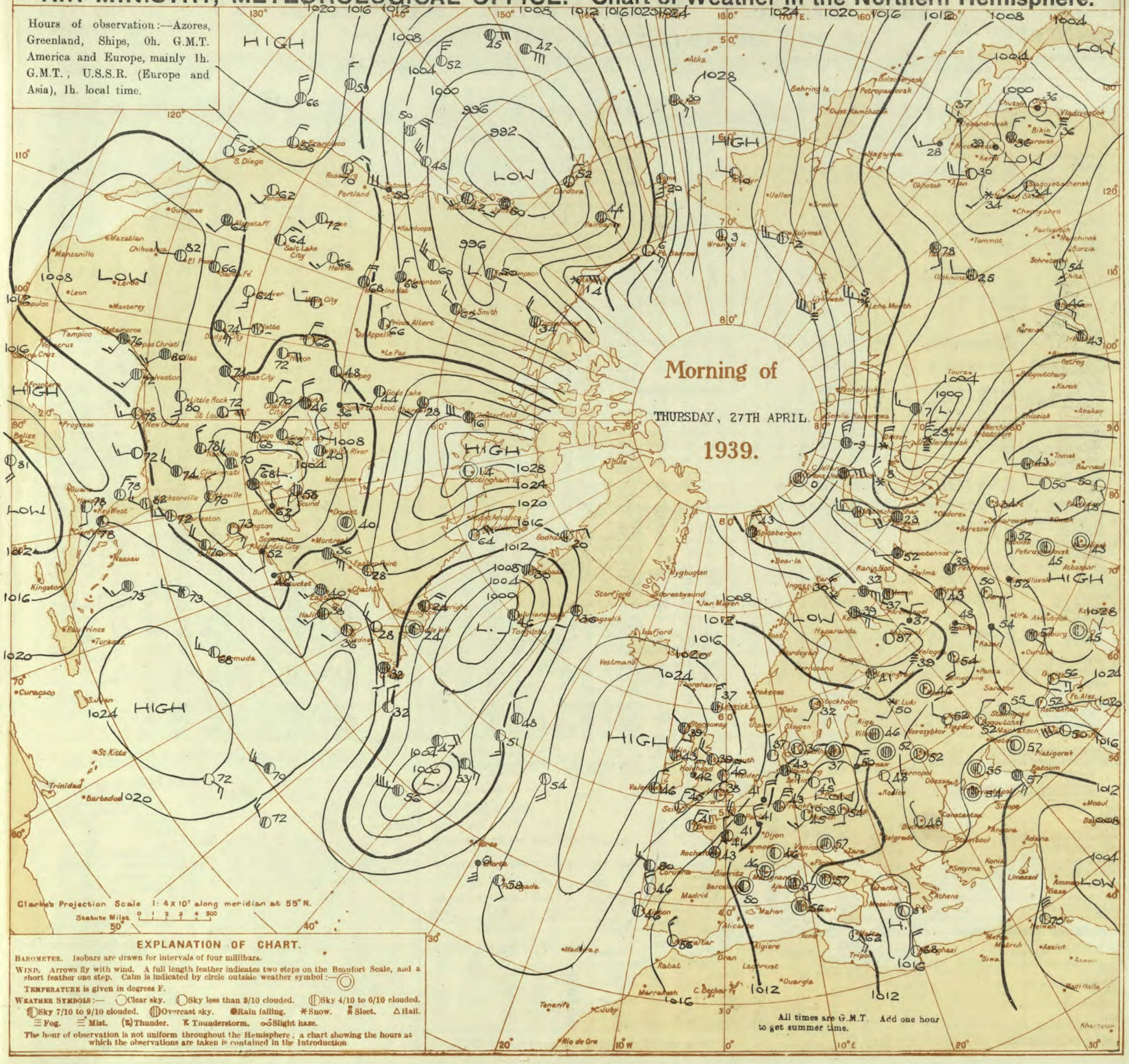
Somewhat warmer than of late.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G.465. 3670 Wt. 8109. D.4626. Gp. 948. 35400 4/39.

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

Thursday, 27th April, 1939.
No. 28280.

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

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	1019.6	+16	N'E	2	b	36	85	7	—	—	—	0	0	—
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.9	+10	N	3	bc/pr	37	85	8	2	—	—	2-3	2-3	2500
	Manston ...	154	1018.2	+10	N'E	4	c	41	85	8	8	—	—	7-8	7-8	2500
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.4	+8	NE	3	c/pr	42	75	8	8	—	—	9	9	2500
	Mildenhall ...	19	1019.5	+12	NW'N	1	b	33	92	7	5	—	8	Tr	1	4000
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020.7	+14	ENE	2	bc	43	85	8	5	—	—	4-6	4-6	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019.4	+16	NE	3	b	40	85	7	—	—	—	0	0	—
	Plymouth ...	82														
	The Lizard ...	240	1020.3	+12	NE'E	3	bc	40	85	8	8	—	—	2-3	2-3	2500
	Scilly (St.Mary's)	163	1021.1	+14	NNE	3	b	45	85	8	—	—	—	0	0	—
	Guernsey ...	175	1018.4	+10	NNW	1	c/r	42	85	7	8	3	—	7-8	10	1500
6	Pembroke ...	142	1021.5	+20	NNE	3	c	43	85	8	8	2	—	4-6	7-8	1500
7	Holyhead ...	26	1022.0	+14	NNE	2	ir	42	92	7	6	2	—	7-8	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020.2	+8	NE	3	bc	40	85	8	8	—	—	4-6	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1021.9	+10	NW	4	bc	39	65	7	2	—	—	4-6	4-6	2500
11	St. Abbs Head	280	1023.9	+16	NE	3	cjp	39	85	9	3	6	—	7-8	9+	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1022.9	+22	E'S	4	bc	43	65	8	8	—	—	4-6	4-6	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026.0	+8	NW	1	c	39	75	7	5	7	—	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1024.3	+12	NNW	2	bc	35	97	8	5	7	—	2-3	4-6	1500
16	Lerwick ...	156	1021.9	+6	N	3	c	37	75	8	5	2	—	4-6	9+	1500
17	Blacksod Point	18	1023.8	+12	NE	5	c	46	85	7	9	—	—	7-8	7-8	1500
18	Malin Head ...	84	1024.5	+16	NE'E	2	c	43	75	7	2	6	—	4-6	7-8	5700
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1023.5	+10	N	2	bc	46	97	8	4	—	—	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 27th 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)	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)	1022.9	+20	NNE	3	z₀	39	75	6	5	9	—	1	1	4000	0	*
Croydon	1022.7	+22	NNE	3	z₀	39	75	6	1	4	—	2-3	2-3	4000	1	*
S. Farnborough	1023.2	+18	N	2	bc	39	75	7	—	3	1	0	4-6	—	0	*
Boscombe Down	1023.7	+14	N'E	3	c	37	92	7	5	4	—	7-8	9	2500	0	*
Calshot (Sthmtn.)	1022.4	+16	N	3	z₀	39	85	6	5	3	—	7-8	7-8	4000	0	§2
Lympne	1021.5	+14	N	4	bcjp	38	85	8	3	3	—	2-3	4-6	2500	1	3
Manston	1021.0	+14	N	4	c/pr	42	75	8	8	6	—	4-6	7-8	2500	0	*
Shoeburyness	1021.7	+16	NW	3	bc	40	85	7	7	4	—	2-3	2-3	4000	1	*
Felixstowe	1021.4	+14	N'W	3	bc	39	75	8	2	4	—	2-3	2-3	2500	0	1
Gorleston	1021.1	+14	N	3	c	43	75	7	8	—	—	7-8	7-8	2500	1	2
Mildenhall	1022.3	+18	NW'N	3	bc	37	92	7	8	—	—	2-3	2-3	2500	1	*
Cranwell	1023.7	+14	NW	3	z₀	35	85	5	8	6	—	Tr	1	4000	1	*
Birmingham	1024.6	+12	NNW	2	b	39	75	6	1	—	—	Tr	Tr	2500	1	*
Upper Heyford	1023.7	+18	NNW	3	z₀	37	85	6	5	4	—	1	1	5700	0	*
Ross-on-Wye	1024.7	+20	NW'N	3	c/f	39	85	7	8	—	—	7-8	7-8	2500	1	*
Hartland Point	1023.2	+14	E	2	c	42	85	7	5	2	—	7-8	9+	800	0	2
Bristol	1024.5	+18	NNE	3	pr	38	85	4	5	—	—	9+	9+	2500	0	*
Portland Bill	1022.6	+20	NE	3	c	42	85	8	2	—	—	7-8	7-8	2500	1	3
Plymouth	1023.3	+18	NW'N	2	z₀	40	75	6	5	—	—	9+	9+	4000	0	0
The Lizard	1023.2	+14	NNE	2	c	41	75	8	8	6	—	7-8	9+	2500	0	2
Scilly (St.Mary's)	1023.6	+16	N'E	3	bc	46	85	8	2	4	—	1	2-3	2500	0	2
Guernsey	1021.1	+20	NE'N	3	c	46	65	8	2	3	—	4-6	7-8	2500	1	3
Pembroke	1024.4	+16	E'N	2	c	45	85	6	8	7	1	4-6	7-8	1500	1	1
Holyhead	1025.4	+14	NE'E	2	b	42	75	8	2	—	—	Tr	Tr	2500	1	1
Chester(Sealand)	1025.8	+16	N'E	2	z₀	40	65	6	—	4	—	0	Tr	—	1	*
Manchester	1025.4	+24	N	3	z₀	37	75	6	—	4	—	0	1	—	1	*
Spurn Head	1022.8	+18	E	3	c	40	92	7	8	8	—	4-6	7-8	2500	1	3
Catterick	1025.2	+14	NNW	3	bc	39	75	7	8	3	—	4-6	4-6	2500	1	*
Tynemouth	1024.1	+14	N	4	bc/pr	40	85	8	2	—	—	4-6	4-6	2500	1	2
St. Abbs Head	1025.7	+24	N	4	c	39	65	9	8	6	—	7-8	9	1500	0	3
Leuchars	1025.9	+10	W	1	b	37	75	8	2	6	1	Tr	Tr	4000	1	*
Renfrew (Abbots I.)	1027.4	+12	—	0	c	36	85	7	5	—	1	7-8	7-8	5700	1	*
Eskdalemuir	1026.4	+10	N'E	2	b	36	75	8	5	4	1	Tr	Tr	2500	1	*
Point of Ayre	1026.7	+16	NE'E	4	b	42	65	8	2	—	—	Tr	Tr	4000	1	2
Tiree	1027.4	+12	E	1	c	42	55	9	5	—	—	7-8	7-8	4000	0	2
Stornoway	1027.9	+16	NW	2	c	41	75	8	5	5	—	4-6	9+	2500	1	1
Dalwhinnie	*	+10	N	2	c	34	75	8	4	2	—	2-3	10	2500	0	*
Aberdeen	1025.7	+14	NW'W	3	bc	36	85	7	8	—	1	4-6	4-6	2500	1	1
Wick	1025.7	+8	NNW	3	c	40	75	8	5	6	—	4-6	7-8	1500	1	1
Lerwick	1021.9	−2	NW	3	ir	40	85	7	8	3	—	7-8	10	1500	1	*
Blacksod Point	1026.1	+18	NE	5	bc	46	85	8	1	—	—	2-3	2-3	5700	0	3
Malin Head	1027.6	+28	W'S	1	c	40	85	6	5	7	—	2-3	7-8	5700	0	1
Aldergrove	1027.1	+22	—	0	bc	37	85	8	—	—	4	0	2-3	—	1	*
Birr Castle	1025.4	+18	ESE	1	c	36	97	8	5	1	—	7-8	9+	2500	0	*
Valentia Obsy. †	1025.9	+10	—	0	bc	38	92	8	2	—	—	2-3	2-3	1500	0	2
Roches Point	1025.1	+12	NNW	3	bc	43	92	8	5	4	1	2-3	4-6	2500	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 26th Hrs. (36)
London (Kew)	49	35	27	Tr	—	6.6
Croydon	50	33	25	Tr	1	4.1
S. Farnborough	49	29	23	Tr	Tr	7.4
Boscombe Down	50	30	26	Tr	—	7.7
Calshot (Sthmtn.)	53	37	34	—	—	10.5
Lympne	48	34	30	—	0.1	9.8
Manston	48	39	35	—	Tr	11.1
Shoeburyness	48	33	26	1	—	5.1
Felixstowe	49	33	28	2	—	5.5
Gorleston	48	37	33	0.1	0.2	11.7
Mildenhall	49	30	24	0.1	Tr	8.8
Cranwell	47	33	30	6	0.1	5.3
Birmingham	46	36	30	1	Tr	2.1
Upper Heyford	50	33	27	0.4	—	*
Ross-on-Wye	50	33	21	0.1	0.1	3.5
Hartland Point	50	39	36	—	Tr	7.5
Bristol	50	33	24	Tr	Tr	3.2
Portland Bill	51	37	*	0.1	—	*
Plymouth	50	38	35	4	—	3.4
The Lizard	50	39	*	Tr	—	6.7
Scilly (St.Mary's)	50	43	*	0.5	—	10.4
Guernsey	50	40	35	—	3	12.1
Pembroke	51	40	*	—	0.1	10.8
Holyhead	48	40	35	—	4	12.0
Chester(Sealand)	50	33	26	Tr	—	9.0
Manchester	50	33	24	Tr	Tr	6.2
Spurn Head	47	37	*	1	1	12.0
Catterick	46	33	28	0.1	—	5.5
Tynemouth	44	35	32	0.1	Tr	11.0
St. Abbs Head	46	38	*	Tr	—	*
Leuchars	45	27	19	0.3	0.1	2.0
Renfrew (Abbots I.)	44	30	24	3	—	0.5
Eskdalemuir	44	29	23	0.1	—	4.3
Point of Ayre	53	40	*	—	3	9.5
Tiree	49	39	35	2	—	9.6
Stornoway	45	37	*	Tr	—	10.7
Dalwhinnie	43	24	15	0.4	—	2.6
Aberdeen	46	33	29	0.3	0.1	7.7
Wick	44	33	*	Tr	Tr	*
Lerwick	45	36	*	Tr	Tr	11.0
Blacksod Point	51	44	*	—	—	*
Malin Head	50	43	*	0.3	—	11.4
Aldergrove	53	34	29	4	0.3	9.0
Birr Castle	55	32	24	—	0.1	11.1
Valentia Obsy. †	52	35	29	—	Tr	12.6
Roches Point	54	39	*	0.1	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.	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	bz₀cp6z₀	cp6p6c	z₀bcbxz₀	49	35	27	Tr	—	6.6	*	*	6
Croydon ...	217	bm₀cz₀	cz₀y⊕pg	m₀p6bm₀	50	33	25	Tr	1	4.1	*	*	6
Greenwich (Royal Observatory)...	149	c	cpcir	irbc	49	35	29	0.5	1	4.5	75	64	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	4.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	38	33	Tr		5.0	59	68	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	50	35	31	0.5	—	5.0	76	68	*
Camden Square ...	110	bc	c	*	50	36	32	0.5	—	*	*	68	*
Kensington ...	80	bcpc	c	*	50	36	29	0.5	Tr	5.5	At 18h 76	63	*
Hampstead Observatory ...	450	bchor	bc	bo	50	33	29	1	—	7.1	*	81	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
<0.3	whole period.		

Kew Observatory. Max.	Time.	Min.	Time.
0.2	20h 26th	<0.1	2h 27th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 26th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 27th April 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	NNE	4	c	50	1019.2	N	3	bc	39	50	39	0.1	—
Brussels ...	1011.0	NNE	4	c	48	1018.3	NE	2	b	45	54	36	3	—
Berlin ...	1010.9	NNE	2	c	54	1011.7	N	4	c	43	57	41	—	3
Zürich ...	1005.5	WNW	2	c	50	1013.6	SE	2	c	45	63	39	—	3
Rome ...	*	SE	4	bc	61	1012.2	ENE	2	bc	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.

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.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 28th April, 1939.
No. 28281.

OBSERVATIONS at 13h. G.M.T. 27th 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)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1023·8	+2	N'E	3	bc/phr	44	75	6	8	-	3	1	4-6	2500
	Croydon	1023·5	0	NE'N	4	bc/pr	44	65	6	3	6	3	4-6	4-6	4000
	S. Farnborough	1023·5	-6	N	3	c/phr	48	55	8	3	3	3	7-8	7-8	4000
	Boscombe Down	1023·7	-6	NE'E	4	c	50	55	7	8	-	-	9	9	2500
	Calshot (Soton.)	1023·4	0	N	3	cjp	48	45	7	3	3	8	4-6	7-8	2500
	Lympne ...	1023·0	+2	NE'N	4	bc	48	55	9	2	6	-	4-6	4-6	4000
	Manston ...	1022·9	+6	NE'N	5	bc	47	65	8	8	-	-	4-6	4-6	2500
2	Shoeburyness ...	1023·6	+8	N'E	3	c/phr	47	85	7	8	-	-	7-8	7-8	2500
	Felixstowe ...	1023·2	+2	E	4	c/phr	46	55	8	8	-	-	7-8	7-8	1500
	Gorleston ...	1023·1	+8	N'E	5	c	48	55	7	8	-	-	7-8	7-8	2500
	Mildenhall ...	1024·1	+2	NE'N	4	c/phr	44	65	8	8	-	4	4-6	7-8	2500
	Cranwell ...	1025·4	+8	NNE	3	c/phr	44	75	7	8	-	-	7-8	7-8	2500
3	Birmingham ...	1025·0	0	N	3	2o	48	55	6	8	-	-	4-6	4-6	2500
	Upper Heyford	1024·8	+2	NE	3	pr	45	55	8	2	-	-	9	9	1500
4	Ross-on-Wye ...	1024·7	0	NE	2	c	49	46	8	8	-	-	7-8	7-8	2500
5	Hartland Point	1025·3	+4	NNE	2	bc	46	76	8	1	-	-	2-3	2-3	2500
	Bristol	1025·1	0	NNE	3	bc	47	55	8	8	-	-	4-6	4-6	2500
	Portland Bill ...	1023·6	+4	NE	3	c	49	85	8	5	4	-	4-6	9	2500
	Plymouth ...	1024·7	0	-	0	c	46	75	8	8	-	-	9+	9+	4000
	The Lizard ...	1025·1	+10	ENE	2	c	45	75	8	8	2	-	7-8	9+	2500
	Scilly (St. Mary's)	1025·1	+4	N'E	3	c	51	85	8	3	3	-	2-3	7-8	2500
	Guernsey ...	1023·1	+4	NE	4	c/pr	47	65	8	8	3	-	4-6	9	1500
6	Pembroke ...	1026·5	+4	W'S	2	c	46	75	6	8	4	-	7-8	7-8	1500
7	Holyhead ...	1027·6	+8	N'E	3	bc	47	65	9	1	-	1	1	2-3	2500
	Chester (Sealand)	1027·0	+2	NNW	2	c	48	55	8	8	-	-	9	9	2500
8	Manchester ...	1026·3	+2	N'W	3	bc	48	55	7	8	3	-	4-6	4-6	5700
10	Spurn Head ...	1026·0	+10	NE	3	pr	45	75	7	8	4	-	4-6	7-8	2500
	Catterick ...	1026·7	0	NE'N	3	c	46	55	7	9	3	-	7-8	9+	2500
	Tynemouth ...	1026·8	+4	N	5	bc	45	65	8	2	6	-	2-3	4-6	2500
11	St. Abbs Head...	1027·7	+6	NNE	3	c	43	55	9	5	6	-	7-8	9+	2500
	Leuchars ...	1027·6	-2	-	0	c	44	65	9	5	2	-	9	10	2500
12	Renfrew (Abbotsl.)	1028·1	-2	NW	3	c	46	55	9	7	6	-	9	9+	2500
	Eskdalemuir ...	1027·0	0	NW'N	3	c	46	45	8	8	-	-	9	9	2500
	Point of Ayre ...	1028·4	+2	NNW	2	bc	48	65	8	2	4	5	1	2-3	9000
13A	Tiree	1029·1	+4	N'W	1	id.	46	75	8	5	-	-	9	9	2500
13B	Stornoway ...	1028·2	0	WNW	4	c	47	55	9	2	7	-	2-3	9+	4000
15	Dalwhinnie ...	*	+9	W'N	3	c	41	65	8	4	5	-	4-6	10	2500
	Aberdeen ...	1027·0	+4	NNW	3	c	46	55	8	1	-	6	4-6	7-8	2500
	Wick	1025·8	-2	WNW	4	c	46	65	8	5	6	8	4-6	9+	2500
16	Lerwick... ...	1022·5	+8	ENE	3	c	45	65	8	8	7	-	4-6	7-8	800
17	Blacksod Point...	1029·6	+8	NE	4	bc	50	75	8	2	-	2	2-3	4-6	9000
18	Malin Head ...	1030·0	+10	N	2	c	46	55	8	7	-	5	4-6	7-8	5700
	Aldergrove ...	1028·7	+4	NW'N	2	c	47	55	8	7	-	-	9+	9+	2500
19	Birr Castle ...	1027·6	+6	NNE	2	c	50	55	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.†	1027·4	+2	NE'N	3	bc	54	55	9	8	-	6	2-3	4-6	2500
	Roches Point ...	1027·4	+10	N'E	3	c	49	85	9	3	-	-	7-8	7-8	1500

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

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)...	1024·9	+14	NE'N	5	pr	43	75	6	8	-	-	9+	9+	1500	1	*
	Croydon	1024·5	+10	E	1	bcjp	41	85	6	3	6	3	4-6	4-6	4000	1	*
	S. Farnborough	1025·2	+12	NNE	2	bc/pr	43	75	7	3	3	5	2-3	4-6	4000	0	*
	Boscombe Down	1025·5	+14	NE'N	3	pr	44	75	7	8	7	-	7-8	7-8	1500	1	*
	Calshot (Soton.)	1024·4	+8	NE'E	5	pr	43	85	8	3	6	-	4-6	7-8	800	1	3
	Lympne ...	1023·9	+6	NE'E	5	bc	44	65	9	8	-	1	4-6	4-6	4000	0	§4
	Manston ...	1023·9	+12	NE'N	5	c/pr	43	85	8	8	-	-	7-8	7-8	2500	1	*
2	Shoeburyness ...	1024·3	+6	NE	5	c/phr	43	85	8	9	-	-	7-8	7-8	1500	1	*
	Felixstowe ...	1024·4	+10	NE'N	4	bc/phr	43	65	8	2	6	1	1	2-3	1500	0	2
	Gorleston ...	1024·6	0	N'E	5	bc	47	65	7	2	-	-	4-6	4-6	4000	1	3
	Mildenhall ...	1025·4	+10	NE'N	4	bc	47	55	9	7	4	-	2-3	4-6	2500	1	*
	Cranwell ...	1026·0	+6	NNE	3	bc	45	55	9	1	-	-	2-3	2-3	4000	1	*
3	Birmingham ...	1025·7	+4	N	2	2o	45	65	6	2	7	-	2-3	4-6	2500	1	*
	Upper Heyford	1025·6	+10	NE	4	bc/pr	45	65	8	2	6	9	2-3	4-6	2500	0	*
4	Ross-on-Wye ...	1025·4	+10	E	2	bc/pr	45	55	8	8	-	-	4-6	4-6	2500	0	*
5	Hartland Point	1025·3	0	N	3	bc	46	75	8	4	-	-	4-6	4-6	1500	0	2
	Bristol	1025·5	+6	NE	4	bcjp	48	55	7	8	-	-	4-6	4-6	2500	0	*
	Portland Bill ...	1024·2	+4	NE	3	c	47	85	8	5	-	-	4-6	7-8	2500	1	3
	Plymouth ...	1024·6	+2	WSW	1	c	48	65	8	8	-	-	7-8	7-8	2500	1	1
	The Lizard ...	1025·1	0	N'E	1	bc	45	75	8	8	-	-	4-6	4-6	2500	1	2
	Scilly (St. Mary's)	1025·4	+4	NE'N	4	bc	47	85	7	2	6	-	2-3	4-6	2500	0	2
	Guernsey ...	1023·2	+2	NE'N	2	bc	45	65	8	1	3	8	1	4-6	2500	1	3
6	Pembroke ...	1026·5	0	NE	4	b	47	55	8	-	-	1	0	Tr	-	1	1
7	Holyhead ...	1028·0	0	N'W	3	bc	46	65	9	-	5	4	0	2-3	.	0	2
	Chester (Sealand)	1027·1	+2	NNW	4	bc	47	55	8	8	-	-	2-3	2-3	2500	0	*
8	Manchester ...	1026·4	+2	NW	3	c	46	65	7	8	3	-	9	9+	4000	1	*
10	Spurn Head ...	1026·3	+2	NNE	4	bc	45	75	7	8	4	-	2-3	4-6	2500	1	3
	Catterick ...	1027·0	+2	NE	2	c	43	55	8	8	-	-	7-8	7-8	2500	1	*
	Tynemouth ...	1026·7	0	NNE	4	bc	43	65	8	2	6	1	2-3	4-6	2500	0	2
11	St. Abbs Head...	1027·0	-4	WNW	2	bc	44	55	9	1	8	-	1	2-3	2500	0	2
	Leuchars ...	1026·4	-6	W	2	bc	48	55	8	4	3	-	1	2-3	5700	0	*
12	Renfrew (Abbotsl.)	1027·9	-4	NNW	2	c	47	55	9	7	4	4	7-8	9	4000	0	*
	Eskdalemuir ...	1027·2	0	N'W	2	c	43	55	9	7	-	-	7-8	7-8	4000	1	*
	Point of Ayre ...	1028·1	-6	N	3	c	46	75	8	2	4	-	Tr	9+	4000	0	2
13A	Tiree	1029·1	0	NNW	4	c	46	75	8	8	3	-	4-6	7-8	2500	0	3
13B	Stornoway ...	1028·0	0	WNW	5	ir.	46	75	8	5	7	-	4-6	10	2500	1	2
15	Dalwhinnie ...	1028·5	0	NNW	3	c	42	65	8	4	2	-	7-8	10	2500	0	*
	Aberdeen ...	1025·8	-4	NW'N	3	c	47	55	8	4	7	-	1	9	2500	1	1
	Wick	1024·8	-8	WNW	5	c	45	85	8	5	7	8	7-8	9+	1500	1	2
16	Lerwick... ...	1024·1	+10	NE'E	3	c	42	65	8	8	3	8	4-6	7-8	1500	1	*
17	Blacksod Point...	1030·0	+2	NE	4	bc	49	75	8	1	3	-	1	2-3	4000	0	3
18	Malin Head ...	1030·2	+2	N	3	c	45	65	8	8	4	-	4-6	7-8	5700	0	1
	Aldergrove ...	1029·0	+4	N'E	3	c	46	55	9	5	-	-	9	9	5700	1	*
19	Birr Castle ...	1028·1	+4	NNE	1	c	50	45	8	5	-	8	7-8	9	1500	0	*
20	Valentia Obsy.†	1028·0	+4	NNE	4	bc	52	65	9	2	-	9	1	4-6	2500	0	2
	Roches Point ...	1028·5	+6	SSE	3	bc	48	65	8	5	3	5	2-3	4-6	2500	1	2

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 27th	13h.—18h. 27th	18h. 27th to 1h. 28th	1h.—7h. 28th
London (Kew)...	bcprhqbcz	cPRHpr.c	cpr.z.b	bxbz.
Croydon	cz.pr.kq	pr.rlh	bcm.pr.qbc	bxm.
S. Farnborough	cPRHbcy	bcpHbc	bcbx	bxb
Boscombe Down	cy	cpr.	cpr.bcb	bbcbm.
Calshot (Soton.)	cbcy	cprq.pr.	bcpr.bm.	bm.w
Lympne ...	bccy	bcy	bcqpr.	bbcwpr.
Manston ...	bcpr.	bcpr.c	bc	bccpr.c
Shoeburyness ...	cq.prh	cprq	cbcbx	bx
Felixstowe ...	bvcprh	cprhq.b	b	bxbcv
Gorleston ...	cbcphrc	cphrbcc	bc	bcphrc
Mildenhall ...	bccphr	cpr.phc	bcybvxbcx	bbcxpr.bcm
Cranwell ...	bm.ccph.	cphr.bcy	bbc	bm.xbcc
Birmingham ...	bbcz	bcprh.	pr.b	bf
Upper Heyford	bz.cpr.	cpr.s.bcpr	bcc	bcbm.
Ross-on-Wye ...	cbccy	cybcz.	bccp.c	cm.bm.x
Hartland Point	cm.ir.bc	bc	bcb	bbcc
Bristol	cr.bcy	bcp.bcy	p.bcbbc	bcwcm.
Portland Bill ...	c	cpr	bcb	bc
Plymouth ...	cm.pr.c	ccyc	cbcbm.b	c
The Lizard ...	cprc	cprbc	bcbw	bbcw
Scilly (St. Mary's)	bcc	cbc	bcb	bbc
Guernsey ...	bcpr.	cbcq	bc	bc
Pembroke ...	cbcc	cbcby	bcc	cpr
Holyhead ...	bbcy	bybc	bcc	cb
Chester (Sealand)	bcc2oy	cbcy	bcy	bcy,bxff
Manchester ...	bz.bcy	bcyzocy	cprcmcz	cm.xcf
Spurn Head ...	qprhc	qprh.	cq	bcc
Catterick ...	bccy	cypr.c	cbcbm.	cxcir.
Tynemouth ...	bcp.bc	bc	bc	bccpr.
St. Abbs Head...	bccy	bcby	cpr	cprbc
Leuchars ...	b,cyc	cyc,by	bybcc	cbcb
Renfrew (Abbotsl.)	cy	cy	c	cr.rc
Eskdalemuir ...	bbcc	c	cbcbbc	bccprc
Point of Ayre ...	bbc	bcc	cbcb	bcc
Tiree	c	cpr.	c	c
Stornoway ...	cy	cpr.ir.	cd.d.	c
Dalwhinnie ...	c	c	.	cir
Aberdeen ...	bccpr.	bcycy	cirbc	bcbx
Wick	prc	cprc	cprcq	bcc
Lerwick... ...	cirair	c	cir.	cir.
Blacksod Point...	bc	bc	bc	ir.c
Malin Head ...	bc	cbcc	cpr.cbcc	cpr.c
Aldergrove ...	bccy	cybccy	cybcbw	bw,cr.
Birr Castle ...	c	c	cbc	bccx
Valentia Obsy.†	pr.bcuy	bccuybcv	bcw	bcwc
Roches Point ...	cprc	pr.bc	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., 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 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.*

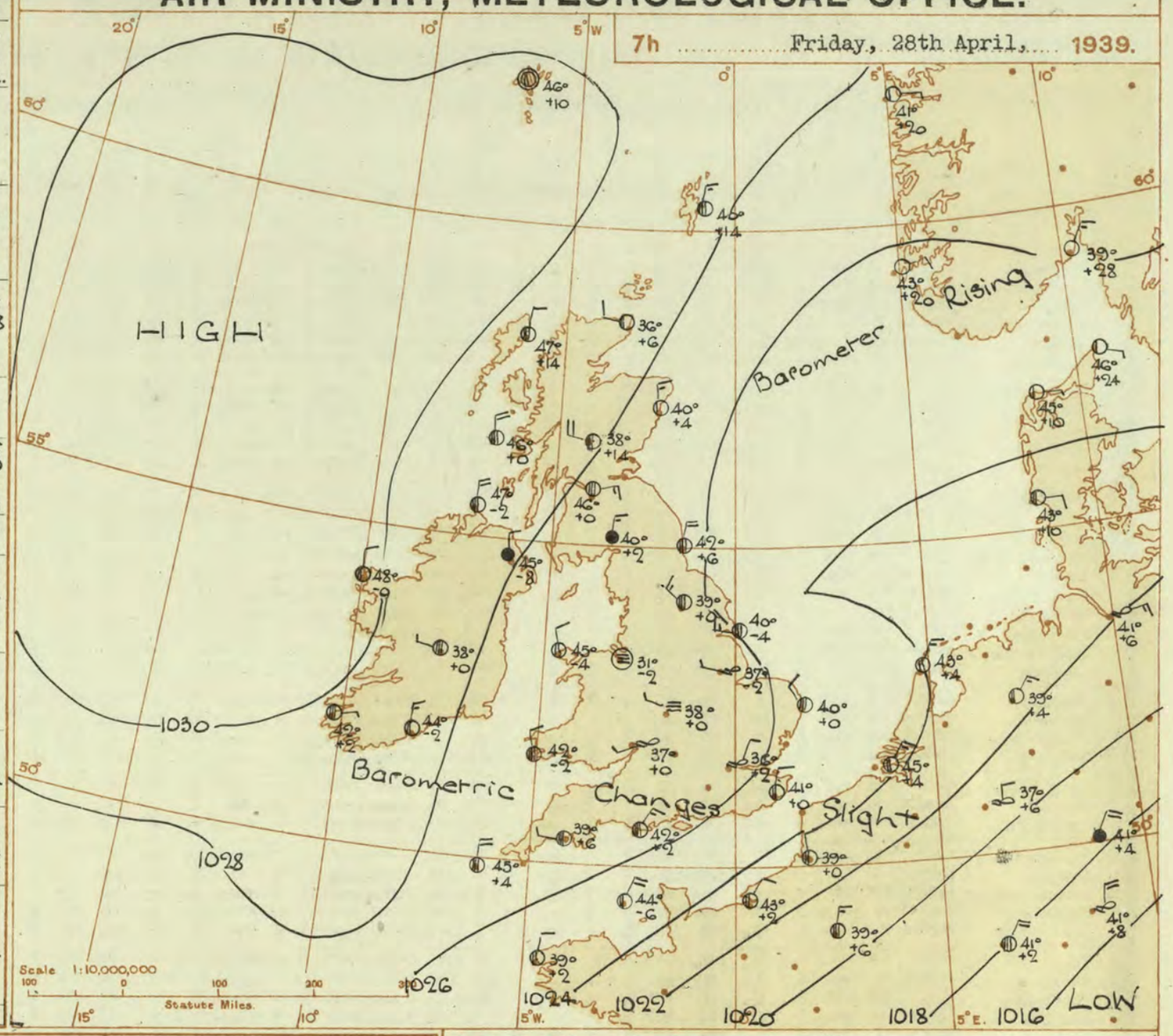
§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 27th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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. 26th
1	Tunbridge W.	bcohc	ohcbc	32	49	-	Trace	8·6	7·9
	Bournemouth	cbbc	bcpbc	34	53	-	Trace	6·6	8·2
	Ventnor ...	xbcc	cpc	36	50	-	Trace	6·5	9·8
	Southsea ...	cbc	cpbc	37	52	-	Trace	7·9	9·8
	Bognor Regis	bc	bcrbc	35	50	-	0·3	7·3	8·6
	Littlehampton	bc	bcpbc	34	51	-	0·3	6·4	7·7
	Worthing ...	bbccp	bc RH	36	49	-	2	7·6	8·2
	Brighton ...	b	bcpcb	36	51	Trace	1	9·2	7·3
	Eastbourne† ...	bcycy	cybcy	36	51	-	-	9·4	8·9
	Hastings† ...	bbcbc	bc	34	51	-	-	11·2	9·0
	Folkestone ...	vcbc	bc	38	49	1	-	9·7	9·9
	Dover ...	bc	bc	39	50	0·5	-	8·8	10·5
	Deal	bcb	bbc	41	53	-	-	9·9	10·8
	Ramsgate ...	bc	bc	40	47	-	-	9·3	11·3
	Margate ...	bc	bc	42	47	-	-	9·7	11·3
2	Southend ...	bcc	copb	34	48	-	0·5	7·8	5·9
	Clacton-on-Sea	bcph	bcph	34	48	-	1	8·4	5·8
	Dovercourt ...	bcv	bcpbc	36	48	-	2	8·5	6·7
	Lowestoft ...	bbc	bcopb	33	49	0·4	0·2	9·4	12·5
	Skegness ...	bcorb	bcorb	35	47	0·5	0·5	8·9	12·9
	Mablethorpe...	bc	bcb	38	49	-	-	11·1	10·8
	Cleethorpes ...	hrbcv	bcv	37	47	0·5	0·3	9·2	10·4
3	Leamington S.	bcc	bc	36	51	-	-	5·8	3·0
4	Cheltenham†	bcy	bccrc	34	52	-	0·3	8·0	3·9
5	Bath	bbcc	cbcb	32	52	-	-	6·0	3·6
	Weymouth ...	ccb	bcp.c	36	52	Trace	0·2	4·7	9·5
	Jersey ...	bc	bc	42	51	1	-	11·2	11·5
	Torquay ...	or.pcbc	bccy	37	51	0·1	0·4	4·0	5·0
	Falmouth ...	ocgro	ocorh	36	49	-	3	2·9	5·3
	Penzance ...	c	cbcb	37	53	-	-	4·1	8·9
	St. Ives ...								
	Bude... ...	cbc	bc	31	52	-	-	5·5	6·9
	Ilfracombe ...	bco	bcbbc	37	51	-	-	7·3	5·3
6	Aberystwyth	prbcc	bc	39	50	2	-	9·4	10·7
7	Llandudno ...	b	b	36	48	3	-	10·2	11·1
	Colwyn Bay...	bcb	bcb	35	47	0·3	-	10·2	10·2
	Rhyl	bcb	b	37	48	0·6	-	11·3	10·1
8	Wallasey ...	bbc	bcb	37	48	-	-	11·5	9·9
	Southport ...	bcvbc	bcvb	33	53	Trace	-	10·7	10·7
	Blackpool ...	by	bcby	35	50	-	-	11·5	10·4
	Morecambe ...	bcb	bbc	37	52	-	-	10·5	10·5
9	Ilkley... ...	bcc	pc	33	50	-	0·4	5·3	3·8
	Harrogate ...	bc	bcc	32	48	-	-	7·8	5·0
10	Berwick-on-T.	bc	cb	38	45	Trace	-	7·8	8·8
11	Dunbar ...	bcx	bc	32	46	-	-	7·0	8·7
12	Troon... ...	coc	coc	33	47	-	-	2·2	1·5
	Douglas ...	b	bc	37	49	0·5	-	9·4	9·3

† 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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th April, 1939.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind north to northeast, light; some showers of rain or perhaps hail but bright periods; rather cold with ground frost at night but somewhat warmer than of late.
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 light, northeasterly or variable; mainly fair with an average day temperature but ground frost at night.

GENERAL INFERENCE.

An anticyclone to the Northwest is spreading slowly eastwards and a feeble trough of low pressure over Northern England is moving southwards. Apart from a cloudy period with occasional rain associated with the passage of this trough over England the weather will be mainly fair and somewhat warmer than of late but ground frost will occur tonight in many districts.

FURTHER OUTLOOK.

Mainly fair and slowly becoming warmer.

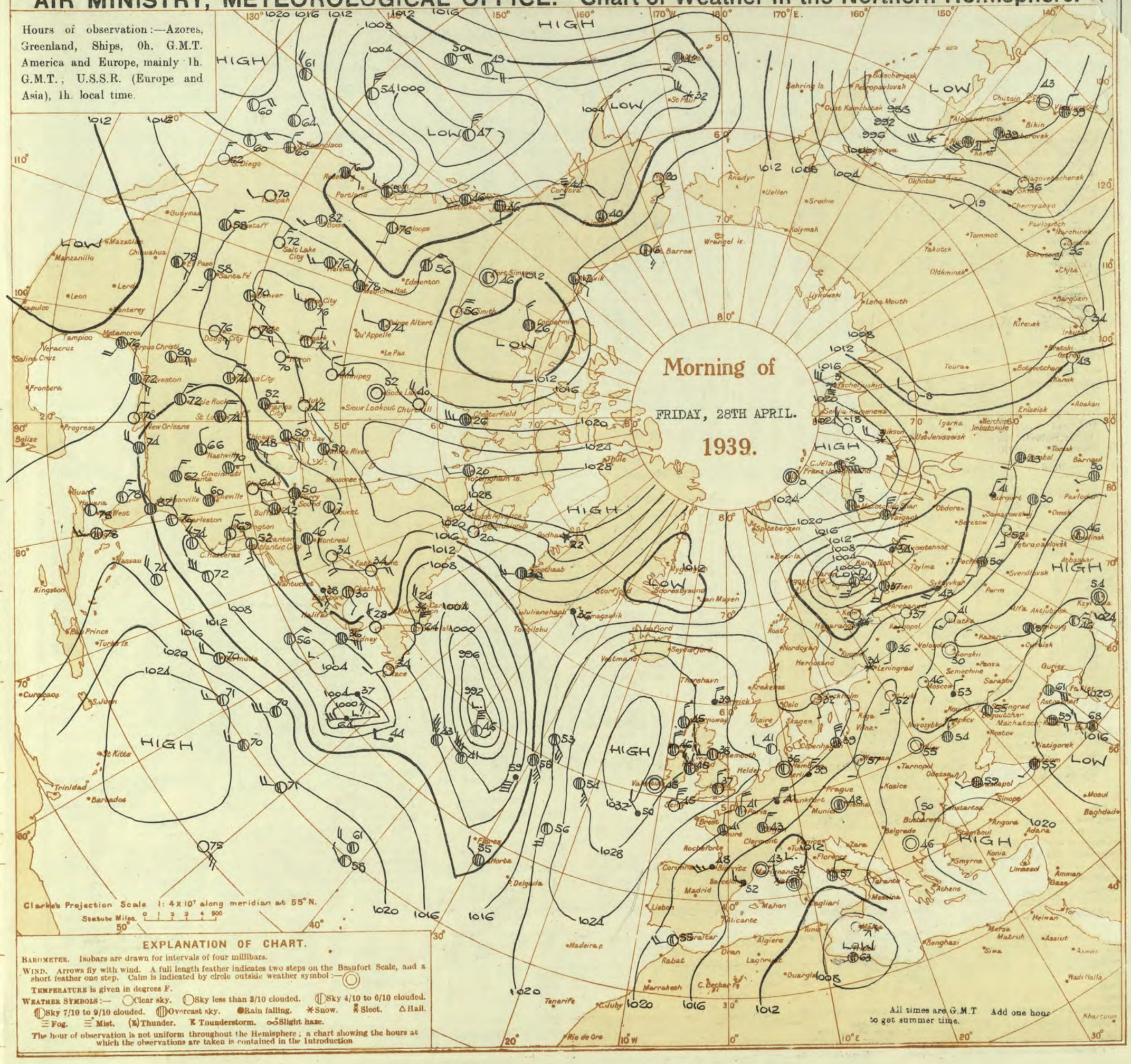
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1 G 465 3670 m 8109 D 4626 Gp 948 35400 4/39.

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

4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 28th April, 1939.
No. 28281.

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

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	1026·2	-2	N	3	b	37	85	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1025·2	-2	NNE	3	bc	36	85	8	5	-	2	Tr	4-6	2500
	Manston	154	1024·6	-6	N'E	3	bc	41	75	8	8	-	-	4-6	4-6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1025·0	-6	NWN	2	bc	41	75	8	8	-	-	4-6	4-6	2500
	Mildenhall	19	1026·0	-6	NW'N	2	b	31	92	7	5	-	-	1	1	4000
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·9	+2	ENE	3	b	44	75	8	-	-	-	0	0	-
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1025·3	-4	NE	3	b	40	92	8	-	-	-	0	0	-
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard	240	1026·2	+8	N'E	2	b	40	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1026·9	+2	NNE	5	b	45	85	8	1	-	-	Tr	Tr	4000
	Guernsey	175	1024·2	0	NE	5	bc	44	75	9	2	-	-	4-6	4-6	2500
6	Pembroke	142	1028·2	+2	NE	3	c	42	75	7	8	6	-	4-6	7-8	2500
7	Holyhead	26	1028·0	-6	N'W	3	c	45	75	8	5	-	-	9+	9+	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1026·8	0	NW'N	4	bc	40	85	7	8	-	-	4-6	4-6	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1027·0	-6	W	3	bc	38	75	6	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1025·9	-4	WNW	4	pr	44	65	7	3	2	-	7-8	10	1500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1028·3	0	N'E	3	b	43	85	8	-	-	5	0	1	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1028·7	+4	N	3	c	45	92	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1027·4	+12	W	3	bc	36	92	8	5	-	-	2-3	2-3	1500
16	Lerwick	156	1026·6	+6	NE'N	4	ir_0	39	85	8	8	2	-	7-8	10	800
17	Blacksod Point	18	1031·2	0	NE	3	c	47	75	8	5	-	-	9+	9+	1500
18	Malin Head	84	1029·9	-4	N	4	c/pr	46	75	7	8	-	-	7-8	7-8	4000
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·7	+6	-	0	b	45	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 28th April — 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 27th Hrs. (36)
London (Kew)	1026·2	+2	NNE	2	z_0	40	75	6	-	-	-	0	0	-	1	*	49	35	27	2	0·1	9·6
Croydon	1026·6	+2	NEN	1	z_0	36	92	6	-	-	-	0	0	-	1	*	47	33	25	3	0·6	7·2
S. Farnborough	1026·5	+2	-	0	b	35	75	7	-	-	-	0	0	-	1	*	50	25	18	1	Tr	8·3
Boscombe Down	1026·9	-6	N'E	1	z_0	37	85	6	1	4	-	Tr	1	4000	0	*	50	31	24	0·1	Tr	7·2
Calshot (Sthmtn.)	1026·4	+2	N'W	3	z_0	39	85	6	-	4	-	0	1	-	1	2	52	35	31	0·3	Tr	6·1
Lympne	1025·5	0	NNE	2	bc	41	75	8	2	4	1	2-3	4-6	2500	0	§2	48	36	32	-	0·5	11·3
Manston	1025·2	0	N'E	3	cjp	42	75	8	8	-	-	7-8	7-8	2500	0	*	48	38	34	Tr	0·1	10·3
Shoeburyness	1025·5	0	N'W	2	bc	39	85	7	7	4	-	2-3	2-3	4000	1	*	49	31	23	1	-	7·1
Felixstowe	1024·9	+2	N	3	bc	39	85	7	8	3	-	2-3	2-3	2500	0	1	48	34	30	2	-	9·5
Gorleston	1024·8	0	NW'N	2	c	40	85	6	8	4	-	4-6	7-8	2500	1	2	48	37	35	1	0·1	11·0
Mildenhall	1025·9	-2	NNW	1	z_0	36	85	6	1	3	1	Tr	2-3	2500	1	*	50	29	24	1	Tr	8·5
Cranwell	1026·2	-2	W'N	1	z_0	37	85	5	-	3	-	0	9+	-	0	*	49	32	27	0·1	-	10·0
Birmingham	1026·7	0	WNW	1	bf	38	92	3	-	-	-	0	0	-	1	*	50	35	23	0·1	0·4	8·2
Upper Heyford	1026·9	-2	-	0	z_0	39	85	6	-	-	-	0	0	-	0	*	50	33	25	0·2	-	*
Ross-on-Wye	1027·1	0	W'S	1	z_0	37	85	6	-	-	-	0	0	-	1	*	51	33	20	Tr	0·1	8·9
Hartland Point	1026·7	+2	ENE	2	c	42	85	7	5	-	-	9+	9+	1500	0	2	49	40	37	Tr	-	7·7
Bristol	1027·2	+2	-	0	z_0	39	97	6	4	-	-	4-6	4-6	4000	0	*	50	36	26	Tr	Tr	7·1
Portland Bill	1026·2	+2	NE	3	c	42	85	8	5	4	-	4-6	10	2500	1	3	50	38	*	0·6	-	*
Plymouth	1027·1	+6	WNW	1	c	39	85	7	5	3	-	7-8	9	2500	1	0	52	37	28	Tr	-	3·7
The Lizard	1026·2	+4	ENE	1	bc	43	85	8	4	-	-	2-3	2-3	2500	0	1	49	38	*	1	-	3·8
Scilly (St. Mary's)	1027·0	+4	N	2	c	45	92	8	8	3	-	4-6	9+	2500	0	1	52	42	*	-	-	11·6
Guernsey	1024·7	+6	NE	4	bc	44	65	7	2	-	-	4-6	4-6	2500	0	3	49	42	39	Tr	-	9·6
Pembroke	1027·4	-2	NNW	2	c	42	85	7	8	2	-	7-8	10	2500	1	1	51	40	*	-	0·4	8·1
Holyhead	1027·2	-4	N'W	2	bc	45	75	8	2	3	-	1	2-3	2500	0	1	48	44	40	-	-	12·5
Chester (Sealand)	1027·3	-2	-	0	bF	31	92	1	-	3	-	0	Tr	-	0	*	50	30	25	-	-	11·6
Manchester	1027·0	-8	-	0	cf+	34	85	3	7	4	-	7-8	7-8	5700	1	*	52	30	23	-	0·2	8·0
Spurn Head	1025·4	-4	W'N	3	c	40	75	6	5	9	-	4-6	10	4000	0	3	48	38	*	0·4	-	11·8
Catterick	1026·2	0	NWW	3	c/r	39	85	7	5	7	-	7-8	9+	1500	1	*	47	28	20	Tr	0·1	6·8
Tynemouth	1026·3	+6	NNE	4	c/pr	42	85	8	8	-	-	9	9	1500	1	2	45	38	35	0·1	0·3	11·1
St. Abbs Head	1027·6	+16	NNW	3	bc	41	75	9	2	6	1	2-3	4-6	2500	0	3	46	40	*	-	0·2	*
Leuchars	1028·2	+8	N	2	b	42	75	8	2	3	-	1	1	4000	1	*	49	38	33	-	0·5	8·2
Renfrew (Abbots I.)	1027·8	0	ENE	3	c	46	85	9	8	4	-	7-8	9	1500	1	*	47	39	35	-	0·6	2·3
Eskdalemuir	1027·1	+2	NNE	3	pr	40	85	8	5	-	-	9	9	1500	1	*	47	27	22	-	Tr	6·8
Point of Ayre	1027·0	-4	N'W	3	c	45	85	8	5	1	-	4-6	9+	1500	0	2	51	42	*	-	-	9·1
Tiree	1028·5	0	N'W	4	c	46	92	8	5	-	-	7-8	7-8	1500	0	3	47	45	43	0·2	-	1·0
Stornoway	1029·7	+14	NNE	2	c	47	85	8	8	7	-	4-6	7-8	2500	1	1	47	44	*	Tr	0·2	0·5
Dalwhinnie	*	+14	NNE	4	c	38	85	8	5	7	-	7-8	10	2500	1	*	45	36	35	-	2	1·2
Aberdeen	1028·0	+4	NNW	3	b	40	75	8	5	-	-	Tr	Tr	4000	1	1	49	33	30	0·1	0·3	5·6
Wick	1028·3	+6	WNW	2	bc	36	92	8	5	6	1	4-6	4-6	1500	1	1	47	34	*	Tr	0·2	*
Lerwick	1028·6	+14	NNE	3	c	40	75	8	8	3	-	4-6	7-8	1500	1	*	46	37	*	2	1	4·3
Blacksod Point	1031·0	0	N	2	bc	48	85	9	5	-	-	4-6	4-6	1500	1	3	52	44	*	-	7	*
Malin Head	1029·5	-2	N	4	cjp	47	85	7	6	6	-	7-8	9	2500	0	2	47	41	*	-	Tr	4·5
Aldergrove	1028·0	-8	N'W	2	r_0r_0	45	85	8	6	-	-	10	10	800	1	*	49	33	29	-	Tr	4·5
Birr Castle	1029·6	0	W'N	1	c	38	97	8	5	-	-	9	9	2500	0	*	54	35	27	-	-	5·6
Valentia Obsy. †	1030·0	+2	ENE	1	c	42	92	8	5	-	-	9	9	4000	0	1	55	39	32	Tr	Tr	10·6
Roches Point	1029·4	-2	N	3	bc	44	85	8	5	3	-	2-3	4-6	2500	1	1	49	38	*	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.	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	bcprhq	cPRHprc	cpr_0z_0bx	49	35	27	2	0·1	9·6	*	*	6
Croydon	217	cz_0pr_0kq	pr_0tlh	bcm_0prq	47	33	25	3	0·6	7·2	*	*	6
Greenwich (Royal Observatory)	149	ch	crftirc	cbxe	48	34	28	5	-	7·3	84	59	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7·5	*	*	*
Westminster (St. James' Park)	27	*	*	*	51	37	32	2		7·5	81	69	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	51	35	31	0·3	Tr	9·3	51	61	*
Camden Square	110	bc	bc	*	52	36	28	1	-	*	*	59	*
Kensington	80	bc	cp	*	51	36	29	1	0·1	8·4	At 18h 69	61	*
Hampstead Observatory	450	bc	sor	bc	47	39	29	2	0·4	9·9	*	67	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

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

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	20h. 27th	<0·1	10h 27th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 27th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 28th April Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris	1016·7	NNE	3	c	50	1021·3	NNE	3	c	39	54	37	-	-
Brussels	1020·1	N	3	ir_0	46	1022·9	NNE	3	c	41	54	37	Tr	-
Berlin	1019·3	N	3	c	43	1020·1	N'E	4	r_0r_0	41	43	39	Tr	5
Zürich	1013·5	E	2	ir_0	46	1015·8	N	1	is_0	39	52	39	1	9
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.

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

Saturday, 29th April, 1939.

No. 28282.

OBSERVATIONS at 13h. G.M.T. 28th 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)	°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)...	1024·3	-8	NNE	2	zo	48	45	6	7	-	-	10	10	1500
	Croydon ...	1024·5	-4	N'E	2	zo	48	55	6	7	-	-	2-3	9+	4000
	S. Farnborough	1024·5	-10	NE'N	2	c	48	45	8	8	-	-	9+	9+	4000
	Boscombe Down	1024·1	-22	NNE	3	c	47	65	7	8	2	1	7-8	9	2500
	Calshot (Soton.)	1024·5	-12	N	2	c	51	45	8	4	-	1	9	9	4000
	Lympne ...	1024·5	-2	ENE	3	c	46	65	9	8	6	1	7-8	9	4000
	Manston ...	1024·3	-6	NNE	3	c	47	55	8	2	-	6	2-3	9	2500
2	Shoeburyness ...	1024·4	-6	E'N	3	c	47	65	8	4	-	9	9	9+	4000
	Felixstowe ...	1024·7	-6	ENE	2	c/pr	46	65	8	5	2	-	7-8	10	1500
	Gorleston ...	1024·5	-2	NE	3	c	45	75	7	8	4	-	4-6	9+	2500
	Mildenhall ...	1023·7	+14	NW	2	c	51	45	8	7	7	-	7-8	9+	2500
	Cranwell ...	1025·3	-2	WNW	3	c/d	44	85	5	5	7	-	7-8	9+	1500
3	Birmingham ...	1024·6	-8	N	3	c	47	55	6	5	2	-	7-8	10	1500
	Upper Heyford	1024·5	-24	N	2	zo	51	45	6	2	-	8	4-6	9	2500
4	Ross-on-Wye ...	1024·8	-12	NE	2	c	49	55	7	5	-	-	9+	9+	4000
5	Hartland Point	1025·8	-8	N	2	bc	46	75	8	2	6	-	2-3	4-6	1500
	Bristol ...	1025·1	-4	N	3	c	50	55	7	8	-	8	4-6	7-8	4000
	Portland Bill ...	1025·4	-10	W	3	c	49	85	8	5	4	-	4-6	10	2500
	Plymouth ...	1025·8	-10	WNW	2	c	47	65	8	8	-	-	9+	9+	2500
	The Lizard ...	1026·1	-8	NNE	1	c	45	85	8	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	1026·5	-6	N'E	4	c/r	49	92	8	8	-	-	9+	9+	1500
	Guernsey ...	1024·0	-4	NE	3	bc	48	55	8	1	1	8	1	4-6	2500
6	Pembroke ...	1025·9	-6	N'W	3	c	51	55	8	8	-	-	7-8	7-8	2500
7	Holyhead ...	1026·4	-6	N'W	3	c	48	65	8	8	-	-	9+	9+	2500
	Chester (Sealand)	1027·1	+2	NNE	1	ffo	42	85	6	5	2	-	9	10	2500
8	Manchester ...	1026·3	-2	WSW	3	bc/r	44	85	5	8	-	-	4-6	4-6	4000
10	Spurn Head ...	1024·9	-2	NNE	4	pr	42	85	7	5	7	-	7-8	9+	2500
	Catterick ...	1026·4	-2	NE'N	3	c	45	55	8	8	3	-	7-8	7-8	2500
	Tynemouth ...	1026·6	0	N	5	bc/pr	45	65	8	8	-	-	4-6	4-6	1500
11	St. Abbs Head...	1028·1	0	N	4	c	42	75	9	8	6	-	4-6	7-8	1500
	Leuchars ...	1029·0	+4	NE	3	pr	43	85	7	8	-	-	9+	9+	800
12	Renfrew (AbbotsI.)	1028·5	-2	E'N	2	c	51	45	9	4	-	-	9+	9+	4000
	Eskdalemuir ...	1027·5	+2	NE'N	4	c	47	45	8	8	-	-	9	9	2500
	Point of Ayre ...	1027·3	0	E'N	3	bc	50	65	8	1	8	-	Tr	2-3	4000
13A	Tiree ...	1029·1	+2	N	3	bc	51	75	8	7	4	-	2-3	2-3	4000
13B	Stornoway ...	1031·0	+10	NE	3	bc	49	65	9	5	7	-	2-3	4-6	2500
15	Dalwhinnie ...	*	-4	NNE	5	c	46	55	8	4	6	-	4-6	9+	2500
	Aberdeen ...	1029·1	0	NE	4	bc/phr	44	85	8	8	-	-	4-6	4-6	2500
	Wick ...	1030·2	+12	NE	4	c	45	75	8	5	7	8	4-6	9+	1500
16	Lerwick...	1031·4	+10	ENE	3	c	43	65	8	5	7	1	4-6	7-8	1500
17	Blacksod Point...	1031·0	-2	N	3	c	51	75	7	5	-	-	10	10	1500
18	Malin Head ...	1029·3	-2	N	5	c	50	85	8	8	6	-	2-3	7-8	1500
	Aldergrove ...	1027·4	-2	E	3	c	51	65	8	8	-	-	7-8	7-8	2500
19	Birr Castle ...	1028·1	-6	WNW	2	c/pr	51	65	8	8	1	-	7-8	10	1500
20	Valentia Obsy.†	1030·2	-4	NNE	4	c	50	65	9	7	3	-	7-8	7-8	2500
	Roches Point ...	1028·2	-12	N'W	3	c	50	85	8	8	-	-	7-8	7-8	2500

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

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)	1023·4	+2	N'E	3	rr	44	75	5	5	-	-	10	10	1500	1	*
Croydon	1023·2	-4	SW	2	c/pr	43	85	6	9	-	-	9	9	4000	1	*
S. Farnborough	1022·5	-10	N'W	3	c	49	45	7	8	3	6	4-6	7-8	4000	0	*
Boscombe Down	1023·8	-8	NNW	2	iro	43	85	6	5	2	-	4-6	10	1500	1	*
Calshot (Soton.)	1022·7	-10	-	0	c	51	45	7	5	3	2	4-6	9	4000	0	1
Lympne	1023·9	+2	NE'E	3	c	43	65	9	2	3	6	2-3	7-8	4000	0	§ 3
Manston	1023·5	-4	NE'N	3	bc	44	65	8	8	6	8	1	4-6	2500	0	*
Shoeburyness	1023·6	-2	E	3	c	45	75	8	8	3	-	4-6	9+	2500	1	*
Felixstowe	1024·0	-2	E	3	c/pr	44	75	8	8	4	-	7-8	7-8	2500	0	1
Gorleston	1024·2	+2	E	3	bc	45	65	7	5	4	-	2-3	2-3	2500	0	2
Mildenhall	1023·4	+2	NNW	3	c	47	65	8	7	7	9	4-6	7-8	2500	1	*
Cranwell	1024·7	0	NNE	1	c	44	75	8	8	3	-	7-8	7-8	2500	1	*
Birmingham	1024·2	-2	NNW	3	c	43	75	6	5	2	-	7-8	10	800	1	*
Upper Heyford	1023·9	+4	N'E	3	zo	42	85	6	5	2	-	2-3	10	2500	0	*
Ross-on-Wye	1024·0	0	E'N	2	iro	41	85	6	5	-	-	10	10	1500	0	*
Hartland Point	1023·2	-8	WNW	2	bc	47	75	8	4	3	-	2-3	4-6	1500	0	2
Bristol	1023·5	-4	NNE	3	zo	46	75	6	4	-	7	4-6	10	4000	0	*
Portland Bill	1022·4	-8	NW	3	c	49	85	8	5	4	-	7-8	10	2500	1	3
Plymouth	1023·6	-6	SSW	3	c/pr	45	85	8	9	3	-	7-8	9	2500	1	1
The Lizard	1023·7	-12	NW	3	bc	48	65	8	8	-	-	2-3	2-3	2500	1	1
Scilly (St. Mary's)	1024·6	-14	N'E	4	c	47	85	8	2	4	3	4-6	7-8	2500	0	2
Guernsey	1023·2	-6	N	1	bc	46	65	8	1	1	1	2-3	4-6	2500	0	3
Pembroke	1024·4	-12	NNW	3	bc	47	65	8	7	-	-	4-6	4-6	2500	0	1
Holyhead	1025·6	0	NE'N	4	bc	47	65	8	8	4	-	2-3	4-6	2500	0	2
Chester (Sealand)	1025·1	-10	N	1	c/pr	44	85	7	9	2	-	7-8	7-8	2500	1	*
Manchester	1024·9	-4	NE	4	pr	45	65	7	8	3	-	7-8	9	4000	1	*
Spurn Head	1024·4	-2	NNE	3	c	44	75	7	8	4	-	4-6	7-8	2500	1	3
Catterick	1025·4	-2	N'E	4	bc	44	65	8	6	2	-	4-6	4-6	2500	1	*
Tynemouth	1025·5	-4	NNE	5	bc/pr	43	85	8	2	-	-	4-6	4-6	2500	1	2
St. Abbs Head	1028·4	0	NE	4	bc	42	75	9	2	6	-	2-3	4-6	2500	0	3
Leuchars	1029·1	+2	NE	3	bc	45	75	8	8	-	-	2-3	2-3	4000	0	*
Renfrew (AbbotsI.)	1028·8	+6	E'N	3	c/r	46	85	7	5	3	-	9+	9+	1500	1	*
Eskdalemuir	1026·8	-6	NE	5	bc	43	55	9	5	-	-	2-3	2-3	2500	1	*
Point of Ayre	1026·7	-4	E	4	c	48	65	8	5	-	-	9	9	4000	0	3
Tiree	1028·1	-2	N	3	c	50	75	8	7	4	6	2-3	7-8	4000	0	2
Stornoway	1030·7	-2	NE	3	c	47	75	9	5	4	8	4-6	7-8	4000	1	2
Dalwhinnie	*	0	E	5	c	40	85	8	4	5	-	2-3	2-3	4000	0	*
Aberdeen	1030·1	+6	ENE	3	bc	44	65	7	1	-	-	2-3	2-3	2500	1	2
Wick	1030·3	+4	NE	3	bc	44	75	8	8	7	-	2-3	4-6	1500	1	2
Lerwick	1032·5	+6	E	2	bc	43	75	8	7	-	1	4-6	4-6	2500	0	*
Blacksod Point	1029·8	-6	N	4	c	51	75	8	5	-	-	10	10	1500	0	3
Malin Head	1028·8	-4	N	3	c	48	85	8	7	8	6	2-3	9	2500	0	2
Aldergrove	1027·1	-6	ENE	2	c	49	55	8	5	-	-	9+	9+	7200	1	*
Birr Castle	1026·7	-6	WNW	1	ir	46	92	7	6	2	-	7-8	10	1500	1	*
Valentia Obsy.†	1028·6	-6	NNW	4	c	51	75	9	5	-	-	7-8	7-8	2500	0	1
Roches Point	1025·1	-24	NW	4	c	51	85	8	8	4	-	4-6	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 28th (37)	Weather 13h.—18h. 28th (38)	Weather 18h. 28th to 1h. 29th (39)	Weather 1h.—7h. 29th (40)
London (Kew)	bzbezczy	czoygrmo	chrRcmo	bexcmo
Croydon	beezy	czo pro	mroRrbcm	bmoxFm
S. Farnborough	bbecy	cyjpcy	crroRb	b,cbcmo
Boscombe Down	bmobbcy	cyzoiro	ciroroc	cbcbmo
Calshot (Soton.)	bmobcjcy	cy	cyciro	cirob
Lympne	bcc	cyc	cbcbbcw	bcprobcx
Manston	cprocbc	cybc	cbc	bccproc
Shoeburyness	bbccy	cprc	cbc	bccpr
Felixstowe	bcyepro	cproroc	cbcc	eprcmo
Gorleston	cypro	ebc	bc	bccq
Mildenhall	bccy	eproc	cbcbx	bfgcbc
Cranwell	cmomrdoc	cdophr	cbc	b,cproc
Birmingham	fbcc	cpro	cbc	bcof
Upper Heyford	bmoczy	czo pro	cdodoc	cbccmo
Ross-on-Wye	bmobczo	cyopooc	cmo	cmobcmo
Hartland Point	cbc	bc	bcc	c
Bristol	bccy	bccy	cprroc	crocbc
Portland Bill	c	c	cbc	bcc
Plymouth	cprocmo	cbcyphrpr	cmociro	cmo
The Lizard	bccpr	cbc	bcc	c
Scilly (St. Mary's)	ciro	cpo,c	cpod	clcrr
Guernsey	bcb	bc	bc	tlR
Pembroke	cy	cbc		
Holyhead	biroc	cb	bprob	b,c
Chester (Sealand)	crrmo	crr.kqpr	cprrmo	cbcmo
Manchester	cffromo	bcmocpr	cbczobcb	bbm
Spurn Head	qrrpr	cqpro	cprc	cpro
Catterick	irobcc	cybc	bccpr	cwbcmo
Tynemouth	cbcpo	bcp	bcp	cpobc
St. Abbs Head	bccpr	c	prc	cbc
Leuchars	prhcpro	cprobc	bccbcwx	procbc
Renfrew (AbbotsI.)	cbcby	cyciro	iromob	bbcirow
Eskdalemuir	cbcc	cprocbc	bcvpro	bcpro
Point of Ayre	cbc	bcc	cbcb	bcc
Tiree	bc	bc	cbc	bc
Stornoway	bc	bcc	cbcc	cbc
Dalwhinnie	c	ciro	•	cbc
Aberdeen	procrbc	bc	bc	cbxbc
Wick	cprc	cbc	bc	bcc
Lerwick	bccpro	cbc	bc	bc
Blacksod Point	c	c	prc	bc
Malin Head	cprobcc	cbcc	bcc	cbc
Aldergrove	rorocroc	ccy	cyc	c,bx,c
Birr Castle	cpro	cir	circbc	bcbx
Valentia Obsy.†	cycv	cvycv	cvciro	cirobc
Roches Point	cproc	cpr.c	cprc	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/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.*

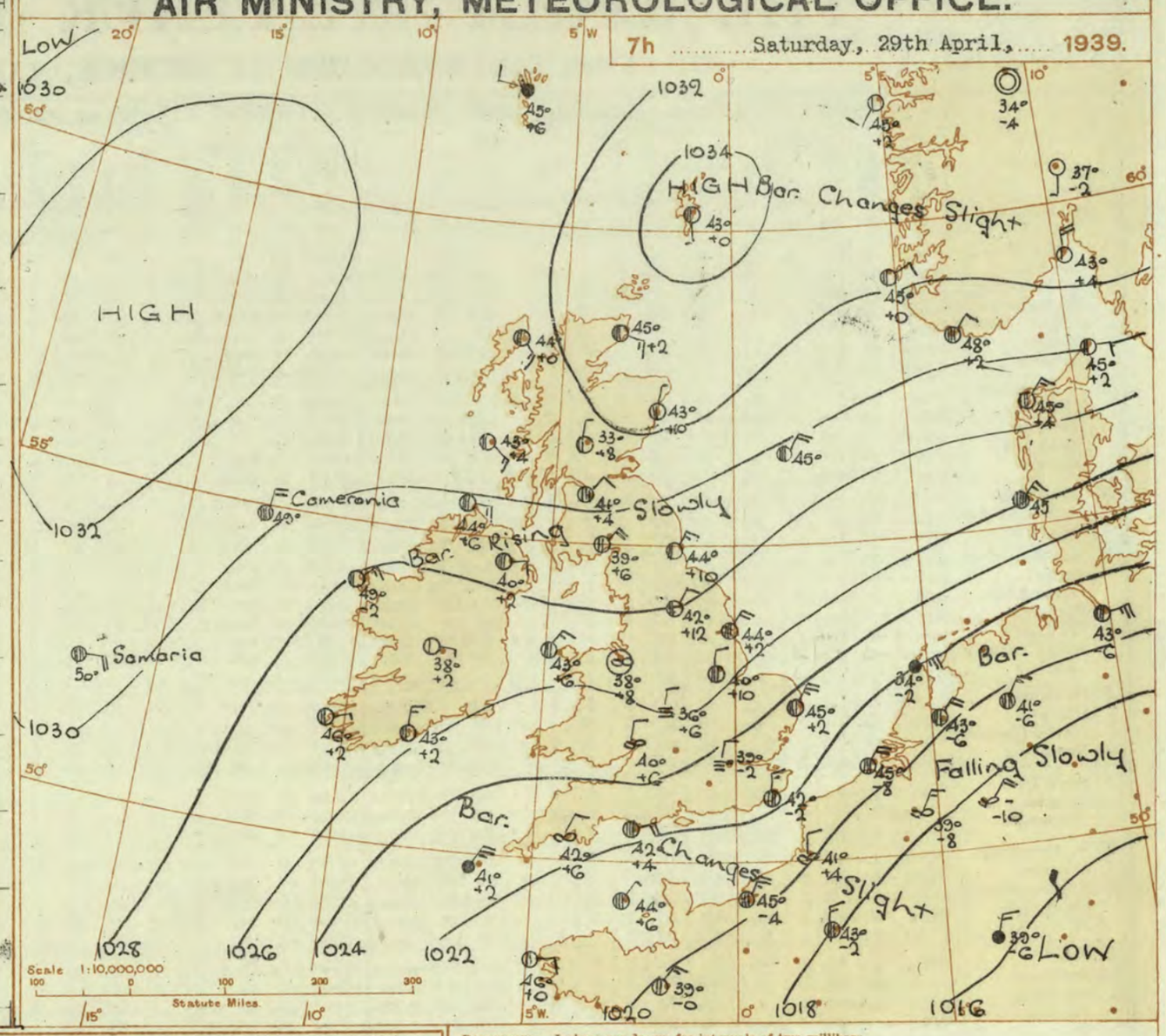
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 28th April 1939.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	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.	bcc	bcprc	29	50	3	Trace	6·1	9·2
	Bournemouth	bbc	cbc	33	53	Trace	-	6·0	7·7
	Ventnor ...	xbbc	bc	35	54	-	-	9·2	6·8
	Southsea ...	bbc	c	35	52	Trace	-	7·6	8·2
	Bognor Regis	bbc	bc	33	50	0·5	-	6·7	7·3
	Littlehampton	bc	bc	33	52	0·6	-	6·7	6·8
	Worthing ...	b	bcc	35	51	Trace	-	7·4	7·8
	Brighton ...	bbc	cbcp	36	51	Trace	Trace	7·1	9·4
	Eastbourne† ...	bybcc	cp.c	35	50	0·1	0·1	6·3	10·0
	Hastings† ...	bcc	cbcc	35	50	-	-	7·1	12·3
	Folkestone ...	vepc	chcpc	38	50	1	0·3	6·0	10·6
	Dover ...	bc	bc	39	51	0·3	-	8·2	9·5
	Deal	pbc	bbc	40	52	0·3	-	7·1	10·5
	Ramsgate ...	bc	bc	40	47	Trace	-	7·8	10·0
	Margate ...	bc	bc	40	47	Trace	-	9·4	10·6
2	Southend ...	bc	bccp	34	51	0·5	Trace	5·1	8·2
	Clacton-on-Sea	bcc	circ	34	48	-	0·2	4·6	9·4
	Dovercourt ...	bcv	bcpbc	36	49	-	Trace	4·8	9·5
	Lowestoft ...	bccp	cbcb	34	50	-	Trace	2·3	10·8
	Skegness ...	cbcc	orcb	34	48	-	0·3	4·5	10·4
	Mablethorpe...	oro	bc	32	47	-	1	4·0	13·0
	Cleethorpes ...	rcbc	bcr.c	34	46	0·3	3	3·4	10·7
3	Leamington S.	bc	cpc	33	52	0·3	Trace	4·8	6·3
4	Cheltenham†	zbc	bccor	35	53	0·5	0·5	5·2	8·5
5	Bath	cbc	bcc	36	52	-	-	3·4	7·0
	Weymouth ...	cb	bc	35	51	-	-	4·3	5·8
	Jersey ...	pcbc	bc	42	51	Trace	-	11·7	12·5
	Torquay ...	bcb	bcby	37	52	-	-	7·6	4·3
	Falmouth ...	corop	bc	37	51	-	1	4·4	3·1
	Penzance ...	berc	cbcb	37	50	2	0·3	4·4	5·9
	St. Ives ...								
	Bude... ...	cbc	bc	31	50	-	-	5·3	7·1
	Ilfracombe ...	bcchc	bcbbc	37	51	-	-	9·1	8·1
6	Aberystwyth	cbcc	bcc	35	51	-	-	7·2	10·9
7	Llandudno ...	cr.	r.cbc	35	48	-	0·2	4·7	11·9
	Colwyn Bay...	coc	cpbc	36	48	-	0·3	4·2	12·1
	Rhyl	bccr	rcbc	32	49	-	1	2·5	12·9
8	Wallasey ...	cbccr	rcpbc	36	49	-	0·5	3·0	13·3
	Southport ...	xcor.	bcpbc	30	51	-	0·2	1·4	12·5
	Blackpool ...	cp.	cp.qc	33	49	Trace	Trace	1·2	13·1
	Morecambe ...	cbc	bcp	34	51	-	Trace	3·6	11·4
9	Ilkley... ...	cbc	bc	29	48	0·2	-	4·1	5·7
	Harrogate ...	cbc	cbcp	31	47	Trace	Trace	4·6	8·0
10	Berwick-on-T.	bcc	rs.bc	38	46	0·4	Trace	8·4	9·8
11	Dunbar ...	bc	bc	40	46	-	-	6·4	9·0
12	Troon... ...	coco	cbcc	41	52	1	-	4·0	2·9
	Douglas ...	bc	bc	38	51	-	-	6·6	9·8

† 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.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th April, 1939.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind northeast, moderate or fresh locally; mainly fair but some local showers especially towards the coast; rather cold; ground frost at night.
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 light or moderate, east to northeast; fair; average day temperature but ground frost at night.

GENERAL INFERENCE.

An anticyclone stretches from west of the Hebrides over Scotland to the Baltic and pressure is low over Central Europe. Over most of the country weather will be fair but there is a chance of showers or occasional rain in the Southeast. Temperature will remain low for the time of year with ground frosts locally at night.

FURTHER OUTLOOK.

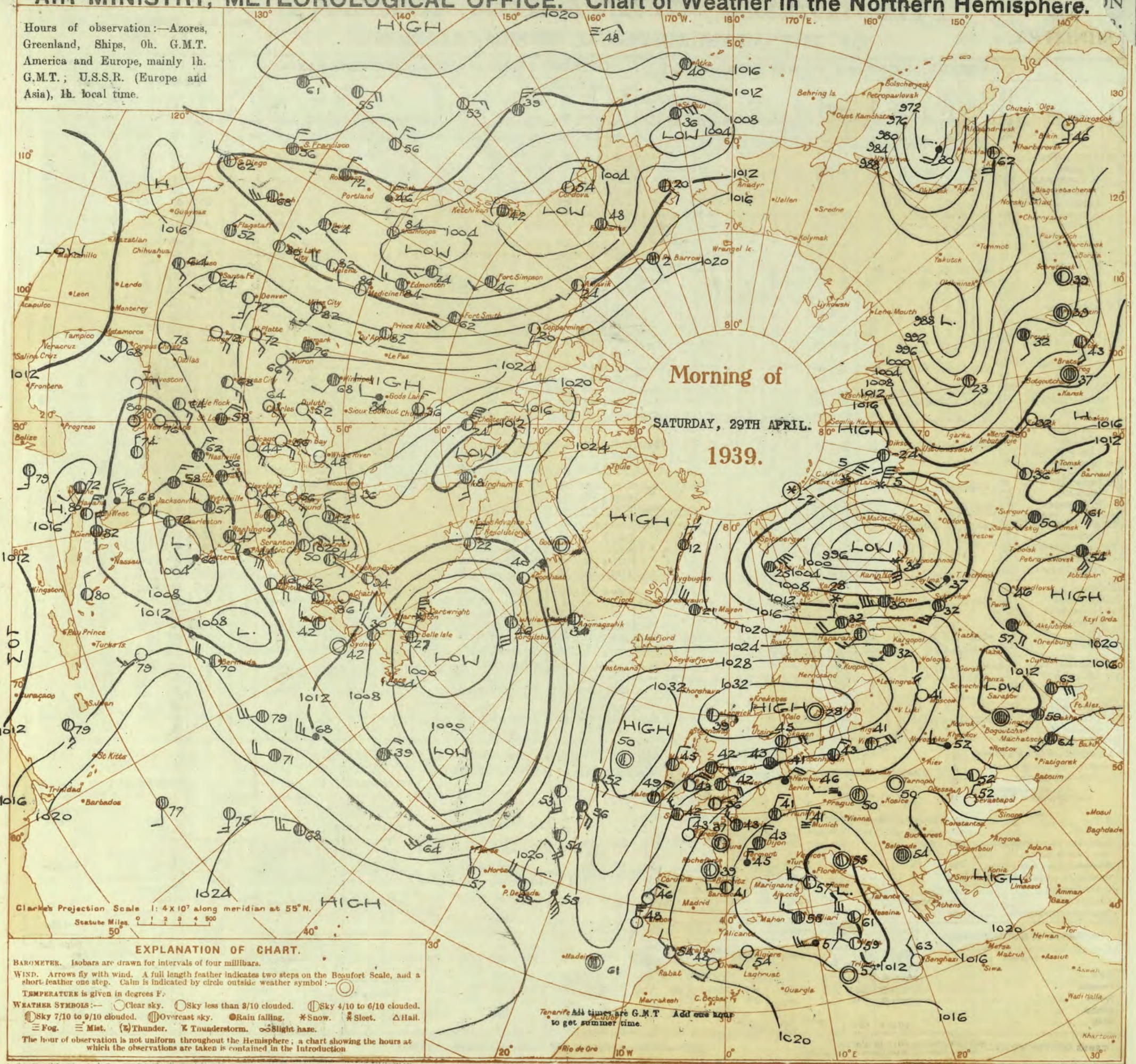
Little change.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1.
G 465 3670 m 8/09 D 4626 Gp 948 35400 4/39.

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



REP ge 4.

DISTRICTS.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 29th April, 1939.
No. 28282.

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

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	1023.9	-4	ENE	1	z	36	97	9	–	4	–	9	Tr	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	346	1023.2	-10	NNE	4	bc	40	85	8	5	–	–	4-6	4-6	5700
	Manston	154	1023.0	-8	NE'N	3	bc	42	75	8	2	–	–	4-6	4-6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston	5	1024.2	-6	NE	4	bc	44	75	8°	8	–	–	4-6	4-6	2500
	Mildenhall	19	1024.5	0	N'E	2	bfg	36	97	6	5	–	1	Tr	1	4000
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1023.0	+2	E	3	c	40	92	8	5	4	–	4-6	7-8	1500
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill	32	1025.0	-14	NE	3	bc	40	85	7	5	–	–	2-3	2-3	2500
	Plymouth	82														
	The Lizard	240	1022.0	-16	NNW	3	c	43	85	8	8	–	–	7-8	7-8	2500
	Scilly (St. Mary's)	163	1022.3	-18	NNW	3	c/pr	42	97	7	8	3	–	4-6	10	1500
	Guernsey	175	1021.4	-16	–	0	bc	40	92	7	1	3	–	2-3	4-6	2500
6	Pembroke	142														
7	Holyhead	26	1025.9	-2	NE'E	4	b	43	75	8	2	–	–	1	1	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head	29	1025.7	+2	E	4	c	42	92	8	8	–	–	7-8	7-8	2500
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth	108	1027.7	+6	E	4	c/pr	42	85	8	8	–	–	9+	9+	1500
11	St. Abbs Head	280	1030.1	0	NNE	2	c	41	75	8	3	6	–	4-6	7-8	2500
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1027.6	0	ENE	5	b	42	85	8	8	–	–	1	1	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1031.2	-2	ESE	3	c	44	75	8	5	4	–	7-8	9+	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1032.1	0	ESE	2	bc	42	85	8	5	4	–	2-3	4-6	1500
16	Lerwick	156	1034.0	+6	E	1	bc	39	85	8	5	–	–	2-3	2-3	2500
17	Blacksod Point	18	1026.9	-6	N	3	c	48	92	8	5	–	–	10	10	1500
18	Malin Head	84	1029.1	+4	N'E	2	c	49	75	8	–	9	–	0	7-8	–
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027.6	-4	NE'N	4	c	49	97	8	8	–	–	9	9	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th 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)	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)	1023.6	0	NE	3	z₀	41	85	6	5	–	–	9	9	2500	1	*
Croydon	1023.4	-2	N'E	2	m	39	92	4	5	–	–	9+	9+	2500	1	*
S. Farnborough	1023.9	0	N'E	2	z₀	40	92	6	7	–	–	2-3	2-3	4000	1	*
Boscombe Down	1024.1	+6	NE'N	3	z₀	39	92	7	–	4	1	0	2-3	–	1	*
Calshot (Sthmtn.)	1023.0	-2	N'E	3	bc	41	85	7	1	5	–	Tr	2-3	2500	1	§2
Lympne	1022.3	-2	N	3	c/pr	42	92	8	9	6	–	7-8	7-8	1500	0	2
Manston	1021.8	-6	NE'N	4	c	46	65	7	8	3	–	7-8	9	1500	0	*
Shoeburyness	1023.1	0	N'W	2	pr	41	92	7	8	–	–	7-8	7-8	1500	1	*
Felixstowe	1023.1	-2	NNE	3	c/pr	42	92	6	8	6	–	7-8	7-8	2500	1	1
Gorleston	1023.6	+2	NE'N	5	c	45	75	7	8	3	–	4-6	9+	2500	0	3
Mildenhall	1024.1	-2	N'E	3	b	42	92	8	1	3	1	Tr	1	2500	1	*
Cranwell	1026.3	+10	N	2	cjp	40	85	6	5	3	–	7-8	9	1500	1	*
Birmingham	1026.4	+6	N	2	of	36	97	2	5	–	–	10	10	450	1	*
Upper Heyford	1025.5	+8	N	3	z₀	36	97	5	5	–	–	9	9	800	0	*
Ross-on-Wye	1025.2	+6	NE	2	z₀	40	85	6	5	–	–	7-8	7-8	1500	0	*
Hartland Point	1023.1	+4	E	3	c	42	85	7	8	2	–	7-8	9+	800	0	2
Bristol	1024.6	+6	NE	3	bc	41	85	6	4	–	–	2-3	2-3	1500	0	*
Portland Bill	1022.5	+4	ENE	4	c	42	85	7	5	4	–	7-8	9	2500	1	3
Plymouth	1022.7	+6	NE	2	z₀	42	85	6	5	–	–	9+	9+	2500	1	[illegible]
The Lizard	1022.4	-4	ENE	4	c	42	92	8	8	2	–	7-8	9+	2500	0	1
Scilly (St. Mary's)	1022.0	+2	NE	5	ir₀	41	92	7	8	2	–	7-8	10	1500	1	3
Guernsey	1021.2	+6	NE'E	1	c	44	75	9	8	3	–	4-6	7-8	2500	1	2
Pembroke																
Holyhead	1026.5	+6	NE'E	3	c	43	85	7	8	4	–	7-8	9+	1500	0	2
Chester (Sealand)	1027.3	+4	–	0	z₀	38	85	5	5	–	–	4-6	4-6	2500	1	*
Manchester	1027.1	+10	NE	3	m	41	85	4	1	4	1	Tr	2-3	5700	1	*
Spurn Head	1023.1	+2	NE	4	c	44	65	7	5	–	–	9+	9+	2500	1	3
Catterick	1028.6	+12	NE	2	bc	42	85	6	2	3	–	4-6	4-6	2500	1	*
Tynemouth	1028.9	+10	NE	3	bc	44	75	8	2	–	–	4-6	4-6	2500	1	2
St. Abbs Head	1030.2	+14	NE	3	bc	43	75	9	8	6	–	2-3	4-6	2500	0	3
Leuchars	1030.9	+6	NE	3	bc	44	75	8	8	–	–	4-6	4-6	1500	1	*
Renfrew (Abbots I.)	1030.7	+4	NE'E	2	c	41	85	8	5	3	–	7-8	9	2500	1	*
Eskdalemuir	1029.8	+6	NE'E	4	bc	39	92	7	5	–	–	4-6	4-6	800	1	*
Point of Ayre	1028.2	+6	E'S	3	c	44	85	8	4	–	–	7-8	7-8	4000	0	2
Tiree	1030.2	+4	SE'E	3	bc	43	65	8	5	3	–	2-3	4-6	4000	0	2
Stornoway	1031.2	0	SE	3	bc	44	75	9	1	4	5	Tr	2-3	4000	1	2
Dalwhinnie	×	+8	NNE	1	bc	33	75	8	–	5	–	0	2-3	–	0	*
Aberdeen	1032.0	+10	NNE	1	bc	43	75	8	5	–	–	4-6	4-6	4000	1	1
Wick	1032.3	+2	ESE	3	c	45	75	8	7	7	9	4-6	7-8	1500	1	1
Lerwick	1034.0	0	SSE	1	bc	43	75	8	7	6	–	2-3	4-6	1500	0	*
Blacksod Point	1027.9	-2	NE	3	bc	49	85	8	3	–	–	4-6	4-6	1500	0	2
Malin Head	1029.8	+6	E	3	c	44	65	8	8	–	–	7-8	7-8	5700	0	1
Aldergrove	1028.8	+2	ENE	2	c	40	85	7	8	–	–	9	9	2500	1	*
Birr Castle	1026.9	+2	E'S	1	b	38	97	7	–	4	–	0	1	–	1	*
Valentia Obsy. †	1027.0	+2	E'N	1	bc	46	85	8	5	–	1	2-3	2-3	4000	1	1
Roches Point	1026.2	+2	NE	3	bc	43	85	8	5	–	–	2-3	2-3	2500	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 28th Hrs. (36)
London (Kew)	51	37	28	Tr	4	7.3
Croydon	50	33	26	1	8	5.4
S. Farnborough	51	34	29	–	4	4.5
Boscombe Down	51	33	30	Tr	1	6.6
Calshot (Sthmtn.)	53	37	35	–	Tr	8.8
Lympne	48	33	29	–	Tr	7.3
Manston	49	41	36	Tr	Tr	8.9
Shoeburyness	50	35	30	1	0.4	5.6
Felixstowe	50	34	31	0.3	2	4.5
Gorleston	49	43	41	Tr	–	1.5
Mildenhall	52	32	27	Tr	Tr	6.3
Cranwell	47	35	33	4	Tr	2.9
Birmingham	50	34	30	Tr	–	2.6
Upper Heyford	52	33	27	Tr	0.2	*
Ross-on-Wye	51	37	34	Tr	–	4.8
Hartland Point	48	39	38	–	–	5.4
Bristol	51	39	38	–	1	3.2
Portland Bill	51	39	*	–	–	*
Plymouth	51	39	35	1	0.1	4.6
The Lizard	50	40	*	2	–	5.4
Scilly (St. Mary's)	49	39	*	1	6	3.5
Guernsey	46	38	33	–	3	12.2
Pembroke			*	–		
Holyhead	50	40	35	Tr	0.2	8.2
Chester (Sealand)	49	36	30	2	1	2.3
Manchester	49	38	34	0.5	–	1.8
Spurn Head	46	40	*	1	0.6	4.8
Catterick	48	37	33	Tr	2	6.4
Tynemouth	46	41	38	2	1	9.3
St. Abbs Head	44	40	*	2	Tr	*
Leuchars	50	35	29	0.2	0.1	8.0
Renfrew (Abbots I.)	53	34	30	Tr	0.2	3.7
Eskdalemuir	48	33	29	Tr	0.4	5.1
Point of Ayre	52	41	*	–	–	5.7
Tiree	53	39	36	–	–	10.4
Stornoway	50	41	*	–	–	11.7
Dalwhinnie	40	22	10	0.4	–	4.4
Aberdeen	46	34	29	1	–	9.6
Wick	46	38	*	0.1	–	*
Lerwick	45	37	*	Tr	–	9.8
Blacksod Point	54	46	*	0.1	0.2	*
Malin Head	50	40	*	Tr	–	5.8
Aldergrove	52	33	25	0.3	–	1.0
Birr Castle	52	35	28	2	0.6	0.1
Valentia Obsy. †	53	44	40	–		4.4
Roches Point	52	41	*	Tr	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	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	bzbcz₀y	cz₀ygrm	chrRxm	51	37	28	Tr	4	7.3	·	·	6
Croydon	217	bccz₀y	cz₀pr₀	Rrmxfm	50	33	26	1	8	5.4	·	·	4
Greenwich (Royal Observatory)	149	cy	cyir	Rrcbpc	50	36	30	1	7	4.9	53	73	6
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	6.4	·	·	·
Westminster (St. James' Park)	27	·	·	·	52	39	34		0.6	4.5	57	83	·
Regents Pk. (Botanic Gardens)‡	168	·	·	·	52	37	33	Tr	0.7	*	52	76	·
Camden Square	110	bc	bc	·	53	37	31	0.5	0.3	·	·	74	·
Kensington	80	bccbc	ccr	·	52	38	32	0.5	1	5.8	At 18h 76	81	·
Hampstead Observatory	450									7.0			·

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.	0.3	19-21h 28th	<0.3	5-6h 29th
Kew Observatory.	0.2	1h 29th	<0.1	10h 28th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 28th April Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 29th April 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	1019.8	N	3	c	50	1019.1	NE	3	c	43	54	37	–	–
Brussels	1020.9	ENE	3	c/pr	48	1019.1	NE	3	z₀	39	54	39	Tr	–
Berlin	1019.7	N	4	dr	43						×		4	
Zurich														
Rome	1010.3	WNW	4	bc	61	1011.9	E	3	r₀	39	*	39	–	4

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	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.

† ‡ 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, 30th April, 1939. No. 28283.

OBSERVATIONS at 13h. G.M.T. 29th 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)	°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)...	1021·9	-10	NNE	4	c/pr	48	65	6	5	7	-	7-8	10	1500
	Croydon ...	1021·6	-10	NNE	4	zo	47	65	6	8	-	-	2-3	10	4000
	S. Farnborough	1021·5	-14	NEN	4	pr	50	55	8	8	3	-	7-8	9+	2500
	Boscombe Down	1021·9	-14	NE	4	e	50	65	8	7	6	2	7-8	9+	4000
	Calshot (Soton.)	1021·2	-14	N	4	c	52	55	8	2	-	1	9+	9+	2500
	Lympne ...	1020·6	-8	NNE	5	iro	44	85	6	6	2	-	7-8	10	800
	Manston ...	1020·5	-6	NNE	4	roro	44	92	6	6	2	-	9	10	800
2	Shoeburyness ...	1021·1	-8	NE	3	c/phr	45	85	7	5	-	-	10	10	1500
	Felixstowe ...	1021·1	-14	NE	4	c/r	47	65	8	8	2	-	7-8	10	1500
	Gorleston ...	1021·8	-8	NNE	5	c/pr	47	75	6	6	2	-	4-6	10	1500
	Mildenhall ...	1022·4	-10	NEN	4	c/pr	46	75	8	8	7	-	9	10	1500
	Cranwell ...	1024·5	-8	NNE	4	iro	47	65	8	5	-	-	9+	9+	2500
3	Birmingham ...	1024·7	-6	N	3	bc/pr	42	85	6	2	7	-	1	4-6	2500
	Upper Heyford	1023·0	-14	NEN	4	c	49	55	8	8	7	-	4-6	9+	1500
4	Ross-on-Wye ...	1023·5	-12	NE	3	c	49	55	7	8	-	-	9+	9+	2500
5	Hartland Point	1023·6	+2	NE	4	bc	48	75	7	2	-	-	2-3	2-3	1500
	Bristol ...	1023·4	-10	NNE	4	zo	50	55	7	8	-	6	4-6	7-8	2500
	Portland Bill ...	1021·4	-10	NE	4	c	50	85	8	5	-	-	7-8	7-8	2500
	Plymouth ...	1022·3	-8	ES	3	c	49	55	9	2	-	-	7-8	7-8	2500
	The Lizard ...	1022·7	-2	E	4	bc	49	55	7	8	6	-	4-6	4-6	2500
	Scilly (St.Mary's)	1023·2	+2	NE	3	bc	51	85	7	8	6	9	4-6	4-6	1500
	Guernsey ...	1020·9	-2	NE	5	iro	48	65	7	8	3	-	7-8	9+	800
6	Pembroke ...	1025·4	0	NE	3	c	46	63	7	8	-	-	9	9	1500
7	Holyhead ...	1026·5	-4	NNE	4	b	48	65	7	2	-	-	1	1	2500
	Chester (Sealand)	1026·5	-4	NE	2	zo	50	55	6	3	-	-	9	9	4000
8	Manchester ...	1026·2	-6	NE	4	c/pr	49	65	7	8	-	-	9	9	4000
10	Spurn Head ...	1025·2	-6	NEN	5	c	49	65	7	5	4	1	4-6	7-8	4000
	Catterick ...	1027·9	-4	NEN	3	c	48	75	8	2	3	-	4-6	9	2500
	Tynemouth ...	1028·7	-4	ENE	4	c	46	85	6	2	-	-	9+	9+	1500
11	St. Abbs Head...	1030·5	0	NE	3	bc	45	85	8	7	4	-	2-3	4-6	2500
	Leuchars ...	1031·5	-2	NE	3	bc	48	85	8	8	7	9	2-3	4-6	2500
12	Renfrew (AbbotsI.)	1030·3	-4	EN	3	e	50	65	8	8	6	9	4-6	7-8	4000
	Eskdalemuir ...	1028·7	-4	NEE	4	c	48	55	8	8	-	-	9+	9+	1500
	Point of Ayre ...	1028·3	-2	ENE	3	b	50	75	8	2	-	-	1	1	4000
13A	Tiree ...	1030·5	0	SEE	2	bc	51	65	8	7	3	1	2-3	4-6	4000
13B	Stornoway ...	1032·2	0	S	1	bc	48	65	9	1	4	4	2-3	4-6	5700
15	Dalwhinnie ...	1031·2	-2	SE	2	c	47	55	8	5	6	-	4-6	9+	2500
	Aberdeen ...	1032·3	-2	NE	3	b	47	75	8	1	3	8	1	1	2500
	Wick ...	1032·5	0	SE	3	bc	47	65	8	7	6	-	1	2-3	2500
16	Lerwick...	1032·2	-14	SE	1	c	47	75	8	8	3	-	4-6	7-8	1500
17	Blacksod Point...	1028·0	0	-	0	bc	51	65	9	2	-	-	4-6	4-6	5700
18	Malin Head ...	1030·2	+2	E	3	bc	46	75	8	2	-	1	2-3	4-6	5700
	Aldergrove ...	1028·8	+2	ES	3	c	47	55	8	5	-	-	9	9	4000
19	Birr Castle ...	1027·0	-2	ENE	2	c	49	65	8	5	-	-	9+	9+	1500
20	Valentia Obsy.†	1026·7	-2	NE	4	bc	52	55	8	7	-	-	4-6	4-6	7200
	Roches Point ...	1026·5	0	EN	3	c	50	75	9	3	-	-	7-8	7-8	1500

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

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)	1020·8	-2	NE	3	roro	44	85	5	6	2	-	7-8	10	800	1	*
Croydon	1021·1	+2	NE	4	roro	43	92	5	6	2	-	9	10	1500	1	*
S. Farnborough	1020·4	-6	NNE	3	c/r	44	75	6	5	2	-	7-8	10	1500	1	*
Boscombe Down	1021·6	0	NEN	3	c	45	75	7	5	7	-	7-8	10	2500	0	*
Calshot (Soton.)	1020·3	-4	N	4	zo	47	75	6	7	2	-	9+	10	2500	1	1
Lympne	1019·3	-8	NE	4	rr	42	85	7	6	2	-	7-8	10	800	1	§ 3
Manston	1018·7	-8	NE	5	rr	42	92	6	6	2	-	9	10	450	1	*
Shoeburyness	1019·9	-6	NE	3	rr	43	92	7	6	-	-	10	10	1500	1	*
Felixstowe	1019·4	-10	NE	4	rr	43	92	7	6	2	-	7-8	10	800	1	2
Gorleston	1019·8	-8	NNE	6	rr	44	85	6	6	-	-	10	10	1500	1	3
Mildenhall	1021·0	-10	N	3	roro	43	92	6	6	2	-	9	10	1500	1	*
Cranwell	1023·5	-2	NE	4	c	45	65	8	5	7	-	4-6	10	2500	1	*
Birmingham	1023·3	-4	NNE	3	c	46	65	6	5	2	-	7-8	10	1500	1	*
Upper Heyford	1022·2	-2	NE	4	c	45	65	8	5	7	-	2-3	10	1500	0	*
Ross-on-Wye	1023·0	-4	NE	4	c	47	53	7	5	-	-	10	10	2500	0	*
Hartland Point	1022·4	-2	N	4	c	47	85	7	5	-	-	9	9	1500	0	3
Bristol	1022·6	-4	NNE	4	c	47	75	7	5	1	-	4-6	10	4000	0	*
Portland Bill	1020·3	-10	NE	4	c	48	85	8	5	-	-	10	10	2500	1	3
Plymouth	1021·6	+2	NNE	4	c	50	55	9	9	6	-	9	9+	4000	0	2
The Lizard	1021·9	0	-	0	bc	48	65	8	8	6	-	4-6	4-6	2500	0	1
Scilly (St.Mary's)	1022·7	-6	NNE	4	bc	48	85	7	8	6	-	2-3	2-3	1500	1	2
Guernsey	1019·4	-6	N	2	c	49	65	8	5	3	-	4-6	9	4000	0	3
Pembroke	1023·9	-6	EN	4	e	50	55	7	8	7	-	7-8	9+	1500	1	1
Holyhead	1025·9	-2	NNE	4	c	49	75	7	8	3	-	2-3	7-8	4000	0	2
Chester (Sealand)	1025·3	-6	NE	3	zo	50	55	6	5	-	-	9	9	4000	1	*
Manchester	1025·1	-4	NE	3	c	49	55	7	5	-	-	9+	9+	4000	1	*
Spurn Head	1023·7	-4	NEN	4	c	46	85	7	5	7	-	7-8	10	2500	0	3
Catterick	1026·5	-6	NNE	4	c	47	65	7	1	3	6	1	9	1500	1	*
Tynemouth	1027·8	-2	NE	5	bc	45	85	8	2	4	1	2-3	4-6	1500	1	2
St. Abbs Head	1030·1	0	NE	3	bc	44	75	9	7	6	-	2-3	2-3	2500	0	2
Leuchars	1030·8	-4	NE	3	b	47	75	9	2	4	-	Tr	Tr	2500	0	*
Renfrew (AbbotsI.)	1029·7	-2	EN	4	bc	50	45	8	8	6	-	2-3	2-3	4000	0	*
Eskdalemuir	1028·5	+2	NEE	4	b	47	45	9	1	-	1	Tr	Tr	2500	1	*
Point of Ayre	1027·6	-2	NEE	3	c	48	75	8	-	7	-	0	9+	-	0	2
Tiree	1029·9	-2	N	3	b	47	65	8	1	4	-	1	1	4000	0	2
Stornoway	1031·7	-10	NE	3	bc	47	65	9	1	4	4	1	4-6	5700	0	2
Dalwhinnie	1031·0	-2	SE	1	c	46	65	8	5	6	-	4-6	7-8	2500	0	*
Aberdeen	1031·4	-4	NE	3	b	46	65	8	-	6	-	0	Tr	-	0	1
Wick	1031·7	-6	ESE	3	bc	45	75	8	1	-	5	1	2-3	2500	0	1
Lerwick	1031·7	0	SW	2	c	45	75	8	5	3	-	4-6	7-8	1500	0	*
Blacksod Point	1027·4	-6	NE	3	bc	51	75	8	2	-	4	2-3	4-6	5700	0	3
Malin Head	1029·8	-2	NE	2	bc	47	75	8	7	-	1	2-3	4-6	5700	0	1
Aldergrove	1027·8	-4	ENE	2	bc	51	55	8	7	-	-	2-3	2-3	2500	1	*
Birr Castle	1026·8	-2	NNE	1	bc	49	65	8	5	3	-	4-6	4-6	2500	1	*
Valentia Obsy.†	1026·0	-2	NEN	4	bc	53	45	9	7	-	1	4-6	4-6	4000	0	1
Roches Point	1026·1	-2	NE	3	bc	49	75	8	2	-	-	2-3	2-3	2500	1	1

PAST 24 HOURS.

Stations	Weather 7h.—13h. 29th (37)	Weather 13h.—18h. 29th (38)	Weather 18h. 29th to 1h. 30th (39)	Weather 1h.—7h. 30th (40)
London (Kew)	cmoprocz	czocmoroo	croromoc	ccrorrmo
Croydon	miropro	pro roro	rrrorodo	cdodorormo
S. Farnborough	bccpro	cy.ciro	croro	crorocr
Boscombe Down	bmoccyc	cproc	cirocroro	cdodo
Calshot (Soton.)	bccmocy	cpro iroc	crorocprc	c
Lympne	cpro iro	crororr	omororo	omododorr
Manston	pro phro	orrmo	orrdodo	orоromo
Shoeburyness	cphrc	crrc	crcroc	crrc
Felixstowe	cpro ciro	ciroorr	orr roro	rorоirdd
Gorleston	cproq	cproorr	orr roro	ororo
Mildenhall	bccpro	ccprocrr	errroro	cRRoro
Cranwell	bccpro	cro cyc	ccrr	crоroiro
Birmingham	Fobcpro	bcc	cm	oror
Upper Heyford	cpshc	cprocyc	idorr	roroRRmo
Ross-on-Wye	czobczoc	cy	cyoro	roroor
Hartland Point	c	bcc	c	roroc
Bristol	bccbcy	bcycpro	croro	croro
Portland Bill	c	cpr	co	opr
Plymouth	cmocbccy	cy	c	cpr
The Lizard	cbcy	bc	c	c
Scilly (St.Mary's)	cirobc	tlrq bc	bbcc	c
Guernsey	cq ir	crobc	ciro	ciroc
Pembroke	c	cy	cbcc	cprq
Holyhead	c,b	bbc	bcc ⊕	rrirоc
Chester (Sealand)	cbcmopro	czoypro	cbczoyr	cRRmo
Manchester	bmcpro	cprocy	cyc	cproc
Spurn Head	cpro	c	cqrr	qrrcq
Catterick	wbcpro	cbcc	c	c
Tynemouth	bcc	cbc	bcc	c
St. Abbs Head	bc	bc	bcb	bbcc
Leuchars	bccbc	bcb	bx	bxbc
Renfrew (AbbotsI.)	cbc	bcy	bcybcw	bbcw
Eskdalemuir	cbccy	probcby	bybcc	c
Point of Ayre	cbcb	bbcc	c	c
Tiree	bc	bcb	bbc	bc
Stornoway	bc	bc	bcb	b
Dalwhinnie	bcc	c		cbc
Aberdeen	bcb	b	b	bbw
Wick	cbcb	bbc	bcb	b
Lerwick	bcc	cbcc	cbc	bcc
Blacksod Point	bc	bc	b	bc
Malin Head	bccbc	bc	bcprocbc	bcc
Aldergrove	ccy	cby	bybc	bcc
Birr Castle	bbcc	cbc	bc	bccx
Valentia Obsy.†	bcbbcy	b cy	bcyb	bxb
Roches Point	cproc	phprobc	bcw	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. 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.*

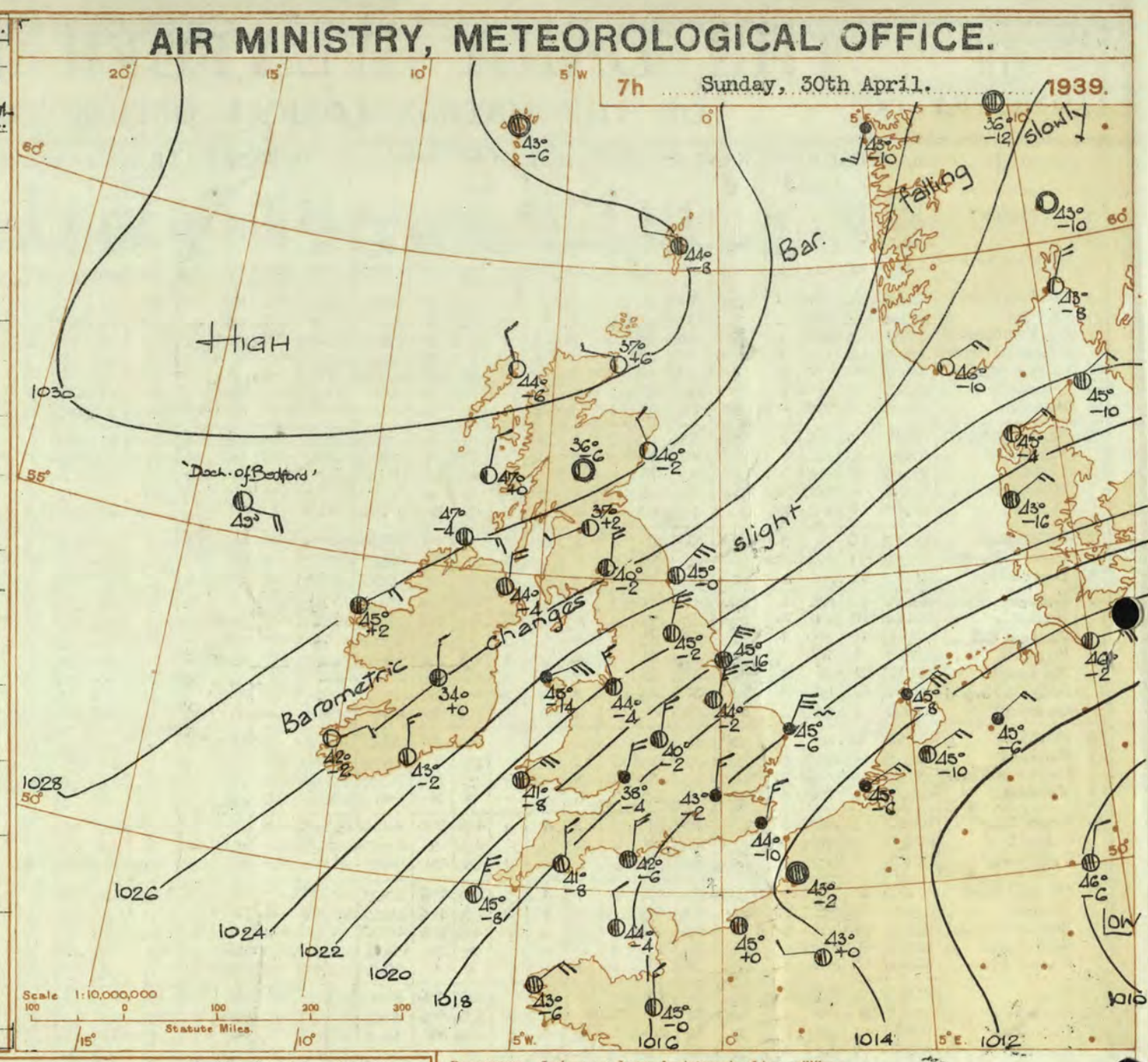
§ Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 29th April 1939.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F) Min. 28th 9h. to 29th 9h.	Temperature. (°F) Max. 9h.—17h. 29th	Rainfall. (mm.) Night. 28th 17h. to 29th 9h.	Rainfall. (mm.) Day. 9h.—17h. 29th	Sunshine. (Hrs.) Sunrise to 17h. 29th	Sunshine. (Hrs.) Sunrise to Sunset 28th
1	Tunbridge W.	bcc	or	34	49	Trace	0·5	3·6	6·1
	Bournemouth	b	bcpc	36	54	-	0·3	6·3	6·6
	Ventnor ...	rocb	oc	38	53	1	-	5·3	9·2
	Southsea ...	bcc	coc	37	53	Trace	-	6·1	7·8
	Bognor Regis	bc	bcor.	36	57	1	Trace	4·8	6·7
	Littlehampton	bc	bcc	36	53	1	-	5·3	6·7
	Worthing ...	bbc	bcr.c	36	52	1	Trace	4·8	7·4
	Brighton ...	bc	cbcp	38	52	0·6	Trace	4·7	7·2
	Eastbourne† ...	bcc	cir.o	38	52	-	1	4·8	6·3
	Hastings† ...	bcco	opr	36	51	-	2	4·9	7·1
	Folkestone ...	cpc	orr	39	50	-	3	3·3	7·2
	Dover ...	bccrc	cor	41	50	Trace	6	2·8	9·1
	Deal	bcco	or.dd	43	49	Trace	4	2·2	8·5
	Ramsgate ...	bccp	r	43	48	-	3	2·1	9·1
	Margate ...	bccr	cr	43	47	-	4	2·1	10·4
2	Southend ...	cpo	or	36	45	Trace	1	2·6	5·5
	Clacton-on-Sea	bcc	codr	36	48	0·2	2	2·3	4·6
	Dovercourt ...	rbcv	roc	36	47	2	1	1·6	4·8
	Lowestoft ...	bccpr	oqrcp	41	46	0·2	2	0·7	3·3
	Skegness ...	bc	o	41	49	Trace	-	2·2	6·1
	Mablethorpe...	bc	co	42	49	-	-	1·6	4·7
	Cleethorpes ...	bc	bcc	38	49	Trace	-	2·8	3·6
3	Leamington S.	bcpc	cpc	33	50	0·2	0·3	2·7	4·8
4	Cheltenham†	cbcc	cp.c	36	52	1	Trace	5·2	5·2
5	Bath	bbc	bccp.	40	53	0·3	Trace	5·8	3·4
	Weymouth ...	b	bcc	39	54	-	-	7·8	4·3
	Jersey ...	pcbc	bcpbc	40	53	Trace	0·4	8·2	13·0
	Torquay ...	bbc	bbcorp	40	53	9	0·5	6·6	7·6
	Falmouth ...	b	bcpbc	40	52	0·3	0·4	8·1	6·2
	Penzance ...	cbcc	crbcc	42	51	-	6	3·2	5·5
	St. Ives ...								
	Bude... ...	bc	bc	39	53	-	-	9·3	5·9
	Ilfracombe ...	bcpc	cbcbbc	39	52	0·3	-	6·6	9·6
6	Aberystwyth	bbc	bco	37	53	-	-	7·9	7·7
7	Llandudno ...	cbc	bcc	40	51	1	-	6·6	5·9
	Colwyn Bay...	cbcc	bcoc	40	50	0·5	-	5·2	5·6
	Rhyl	bccm.	bccr.	40	51	-	Trace	3·0	2·8
8	Wallasey ...	b	cPbc	39	51	-	0·5	4·0	3·3
	Southport ...	bc	bc	35	50	-	-	4·3	1·9
	Blackpool ...	bc	cp.	36	54	Trace	Trace	3·6	1·6
	Morecambe ...	bc	c bc	38	54	-	-	6·6	4·4
9	Ilkley... ...	bcp	bc	37	51	1	0·2	4·4	4·6
	Harrogate ...	bcc	cbc	36	50	0·5	-	4·1	5·0
10	Berwick-on-T.	cbc	bcb	40	48	1	-	9·4	9·5
11	Dunbar ...	bcm.	bc	40	47	1	-	8·4	8·1
12	Troon... ...	bccoc	bccbc	36	52	-	-	4·1	4·1
	Douglas ...	bc	c	39	52	-	-	7·2	6·6

† 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. 30th April, 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	Wind north to northeast moderate to fresh; dull with intermittent rain or drizzle in most places; rather cold but tending to become warmer in the southeast.
11 S.E. Scotland	As 15 - 16
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Wind mainly north to northeast light; mainly fair, becoming somewhat colder with local frost at night.
15 N. E. Scotland 16 Orkney and Shetland	Wind north to northeast light to moderate; rain locally with sleet on high ground, but bright periods in most districts; rather cold with frost locally at night.
17 N. W. Ireland 18 N. E. Ireland	As 12 - 14.
19 S.E. Ireland 20 S. W Ireland	As 1 - 10 .

GENERAL INFERENCE.

An anticyclone to the north of the British Isles is decreasing in intensity while a depression over Germany is deepening slowly. In the south weather will be dull with intermittent rain or drizzle but in the north it will be mainly fair apart from some rain or sleet in East Scotland. Temperature will be below average in most places with frost locally at night in the north but in the southeast it is tending to become warmer than of late.

FURTHER OUTLOOK.

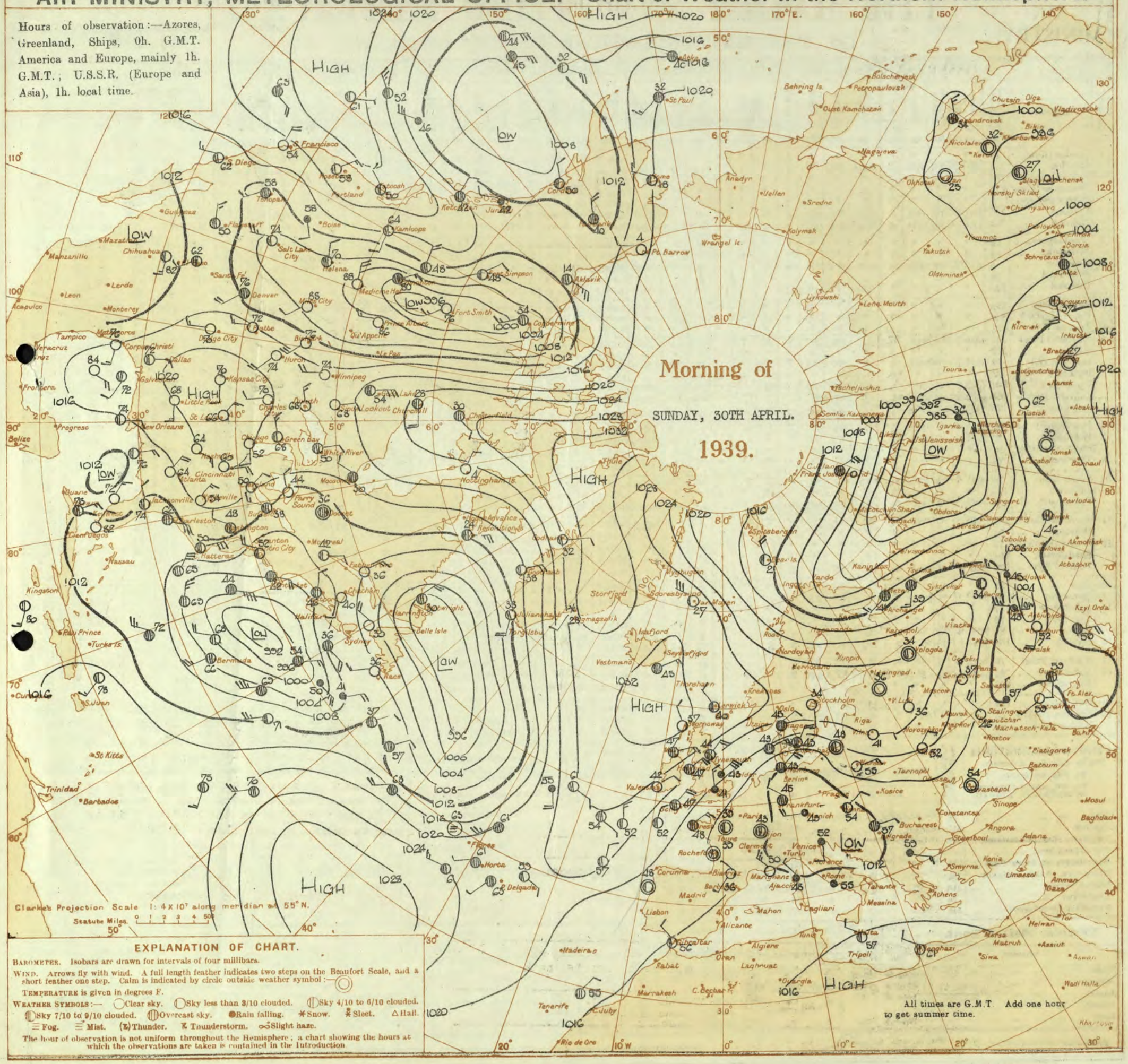
Becoming warmer in the southeast.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House S.E.1. G 465 3670 M 8109 D 4626 Gp 348 35400 4/39.

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, 30th April, 1939.

No. 28285

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

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	1017·9	-14	N'E	3	d.d.	41	97	5	5	-	-	10	10	450
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·6	-14	N'E	3	d.d.	42	92	6	6	-	-	10	10	220
	Manston ...	154	1016·0	-10	NE'N	4	c/d	44	97	7	5	2	-	7-8	10	450
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·0	-10	NE'N	5	r.r.	44	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	1020·7	-16	NNE	5	c	46	85	8	5	1	-	4-6	10	1500
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1018·3	-10	NNE	3	o	40	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021·1	-6	N'W	2	c	43	75	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1021·5	-14	NE'N	4	c	47	85	7	8	7	-	4-6	9+	1500
	Guernsey ...	175	1018·0	-12	NNE	3	r.	44	85	7	8	-	-	10	10	1500
6	Pembroke ...	142	1022·9	-6	NNE	3	c	46	75	7	8	6	-	4-6	7-8	2500
7	Holyhead ...	26	1025·0	-10	NE'N	4	c	47	75	8	5	1	-	2-3	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021·4	-14	NE	6	r	43	92	7	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1026·3	-8	NE	4	c	44	92	8	5	-	-	7-8	7-8	1500
11	St. Abbs Head	280	1028·9	-6	NNE	2	bc	42	92	8	7	6	-	1	2-3	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1027·4	-4	ENE	4	c	45	76	8	-	5	6	10	9+	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1032·0	-4	NNW	2	b	37	92	8	.	.	.	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1031·6	-6	W	1	b	33	97	7	5	-	-	1.	1	800
16	Lerwick ...	156	1031·1	+14	NW	2	bc	40	75	8	5	-	-	2-3	2-3	2500
17	Blacksod Point	18	1028·4	+4	NE	2	b	44	85	8	-	-	-	0	0	-
18	Malin Head ...	84	1029·9	-2	E	3	c	47	65	8	-	3	5	0	7-8	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027·4	-2	NE	2	b	42	97	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. 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)	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)	1016·3	-4	N'E	2	r	43	92	6	6	2	-	9	10	1500	1	*
Croydon ...	1016·1	-2	N'E	3	r	43	92	6	6	2	-	9+	10	800	1	*
S. Farnborough	1016·2	0	N'E	3	r.r.	42	92	6	6	2	-	10	10	1500	1	*
Boscombe Down	1016·9	-4	NE'N	3	c	42	92	7	5	2	-	9+	10	1500	1	*
Calshot (Sthmtn.)	1016·2	0	N	3	c	43	92	8	5	-	-	10	10	800	1	1
Lympne ...	1015·4	-10	NNE	3	r	44	92	6	6	2	-	10	10	800	1	§2
Manston ...	1014·5	0	NNE	3	r.r.	44	97	6	6	2	-	9	10	450	1	*
Shoeburyness ...	1015·6	0	N'E	3	r	44	97	7	6	2	-	9+	10	800	1	*
Felixstowe ...	1015·7	-2	NE	3	dd	44	92	6	-	2	-	10	10	800	1	2
Gorleston ...	1016·0	-6	NE'N	6	r.r.	45	85	6	6	-	-	10	10	1500	1	4
Mildenhall ...	1017·1	+2	NNE	3	r.r.	43	92	6	6	2	-	9+	10	1500	1	*
Cranwell ...	1019·7	-2	N'E	5	c/r	44	85	7	-	7	-	0	10	-	1	*
Birmingham ...	1019·3	-2	NNE	3	c/r	40	92	7	6	2	-	7-8	10	800	1	*
Upper Heyford	1018·5	0	NNE	3	RR	41	97	6	6	-	-	10	10	450	1	*
Ross-on-Wye	1019·7	-4	NNE	4	r	38	92	6	6	-	-	10	10	1500	1	*
Hartland Point	1018·6	-8	NNE	5	c	41	92	8	6	2	-	9+	10	1500	1	3
Bristol ...	1018·9	-4	N	4	o/d	40	97	7	5	-	-	10	10	1500	1	*
Portland Bill ...	1016·7	-6	NNE	4	o	42	85	7	5	-	-	10	10	1500	1	3
Plymouth ...	1018·3	-8	NNE	3	c	41	85	8	5	3	-	7-8	10	1500	1	1
The Lizard ...	1018·9	-4	NNE	4	c	41	85	8	8	6	-	7-8	10	2500	0	2
Scilly (St. Mary's)	1019·7	-8	NE'N	5	c	45	92	8	8	2	-	4-6	10	1500	1	3
Guernsey ...	1016·0	-4	N	2	c	44	85	8	8	-	-	10	10	1500	1	2
Pembroke ...	1021·4	-8	NE	5	cq	41	85	7	8	-	-	9+	9+	1500	1	2
Holyhead ...	1023·9	-14	ENE	5	r.	45	75	8	6	7	-	7-8	10	1500	1	3
Chester (Sealand)	1022·7	-4	N'W	3	c/r	44	65	8	5	2	-	9	10	4000	1	*
Manchester ...	1022·1	-2	NE	3	c	46	55	8	5	7	-	4-6	9+	5700	1	*
Spurn Head ...	1019·7	-16	NE'N	5	oq	45	85	7	5	-	-	10	10	1500	1	4
Catterick ...	1024·1	-2	NNE	5	c	46	65	8	-	9	7	0	10	-	1	*
Tynemouth ...	1025·2	0	NE	5	c	45	75	8	5	-	-	7-8	7-8	1500	1	3
St. Abbs Head	1027·9	+2	NE	5	c	43	85	8	7	1	1	2-3	9	2500	0	4
Leuchars ...	1029·4	+2	N	2	bc	41	75	9	-	4	5	0	4-6	-	1	*
Renfrew (Abbots I.)	1029·5	+2	WSW	1	bc	37	85	8	-	5	9	0	4-6	-	0	*
Eskdalemuir ...	1026·8	-2	NNE	4	c	40	65	8	5	9	7	1	7-8	1500	1	*
Point of Ayre ...	1026·4	-2	NE'E	5	c	45	65	8	-	7	8	0	9+	-	0	3
Tiree ...	1029·5	0	NNE	2	bc	47	85	8	5	3	+	Tr	2-3	4000	0	2
Stornoway ...	1031·1	-6	NNW	2	b	44	85	8	1	4	-	1	1	4000	0	2
Dalwhinnie ...	*	-6	-	0	b	36	65	8	-	-	2	0	1	-	0	*
Aberdeen ...	1029·6	-2	NNW	2	b	40	85	8	8	-	5	1	1	4000	0	1
Wick ...	1030·7	+6	WNW	1	b	37	75	7	5	1	-	Tr	1	1500	0	1
Lerwick ...	1030·1	-8	NNW	2	c	44	85	8	8	7	1	4-6	7-8	800	0	*
Blacksod Point	1028·0	+2	NE	3	c	45	85	8	-	4	7	0	7-8	-	0	2
Malin Head ...	1029·7	-4	E	3	c	47	65	8	5	-	7	2-3	7-8	5700	0	1
Aldergrove ...	1027·5	-4	E'N	4	c	44	65	8	-	7	7	0	10	-	1	*
Birr Castle ...	1026·7	0	N	1	c	34	97	7	-	2	-	0	10	-	0	*
Valentia Obsy. †	1026·5	+2	NE'E	2	b	42	75	8	-	5	-	0	1	-	0	1
Roches Point	1029·8	-2	N	3	bc	43	85	8	5	-	5	2-3	4-6	2500	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 29th Hrs. (36)
London (Kew)	50	41	40	0·6	4	2·9
Croydon ...	49	40	39	1	5	1·0
S. Farnborough	50	40	39	0·2	3	3·1
Boscombe Down	52	38	38	Tr	0·4	4·0
Calshot (Sthmtn.)	53	41	40	Tr	1	6·5
Lympne ...	48	40	39	3	5	3·8
Manston ...	48	42	41	5	5	2·0
Shoeburyness ...	51	41	40	4	7	3·1
Felixstowe ...	47	41	40	3	9	1·8
Gorleston ...	47	42	41	2	8	0·0
Mildenhall ...	48	40	40	1	8	2·9
Cranwell ...	50	40	39	0·4	7	2·6
Birmingham ...	48	37	36	Tr	3	2·6
Upper Heyford	49	38	37	0·1	8	*
Ross-on-Wye	51	37	36	-	4	4·0
Hartland Point	50	39	39	-	0·4	8·5
Bristol ...	52	38	37	Tr	1	5·5
Portland Bill ...	50	38	*	0·5	0·5	*
Plymouth ...	53	39	37	-	0·1	7·1
The Lizard ...	52	40	*	-	-	8·0
Scilly (St. Mary's)	51	44	*	3	-	6·6
Guernsey ...	50	42	41	0·3	Tr	6·7
Pembroke ...	52	39	*	-	0·3	2·3
Holyhead ...	49	39	38	-	2	2·8
Chester (Sealand)	51	38	38	Tr	5	3·7
Manchester ...	51	48	39	Tr	Tr	4·2
Spurn Head ...	51	42	*	Tr	4	3·4
Catterick ...	50	42	36	Tr	-	8·1
Tynemouth ...	47	44	41	-	-	8·3
St. Abbs Head	47	40	*	-	-	*
Leuchars ...	50	31	21	-	-	11·6
Renfrew (Abbots I.)	53	30	28	-	-	7·3
Eskdalemuir ...	52	37	34	Tr	-	7·6
Point of Ayre ...	53	43	*	-	-	6·8
Tiree ...	52	41	37	-	-	12·7
Stornoway ...	49	36	*	-	-	14·1
Dalwhinnie ...	50	21	9	-	-	6·2
Aberdeen ...	48	33	30	-	-	14·1
Wick ...	48	29	*	-	Tr	*
Lerwick ...	49	39	*	-	-	14·1
Blacksod Point	54	40	*	-	-	*
Malin Head ...	48	42	*	-	Tr	11·0
Aldergrove ...	53	40	37	-	-	6·2
Birr Castle ...	50	30	23	-	-	6·8
Valentia Obsy. †	55	39	27	-	Tr	11·9
Roches Point	51	39	*	0·5	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	cm.pr.cz.	cz.cm.cr.	c.r.r.m.	50	41	40	0·6	4	2·9	*	*	5
Croydon ...	217	mir.pr.	pr.r.r.	r.d.d.m.	49.	40	39	1	5	1·0	*	*	4
Greenwich (Royal Observatory) ...	149	cr.c	cr	crr.r	50	40	40	0·5	7	2·3	83	95	4
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	1·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	42	41	7		1·9	73	93	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	51	40	40	0·7	7	0·3	77	43	*
Camden Square ...	110	bc	c	*	53	41	40	1	8	*	*	95	*
Kensington ...	80	cr	c	*	51	41	39	1	6	2·4	At 18h. 86	92	*
Hampstead Observatory ...	450	bcor	or	or	48	39	37	Tr	2	2·7	*	99	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·1	8h. 29th	40·1	0-7h. 30th

FOREIGN OBSERVATIONS.

18h. G.M.T. 29th April. 7h. G.M.T. 30th April.

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.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...	1016·5	NW	3	r.r.	45	1014·2	W	2	z	43	50	43	1	Tr
Brussels ...	1015·6	NE	2	c	43						48		7	
Berlin ...	1014·4	N	3	z	54	1010·8	ENE	2	z	37	54	48	Tr	-
Zürich ...						1012·0	WSW	2	o/r	39	*	39		4
Rome ...	1012·3	SW	3	bc	59	1012·7	ENE	2	c	50	*	*	1	11

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 39.—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.