

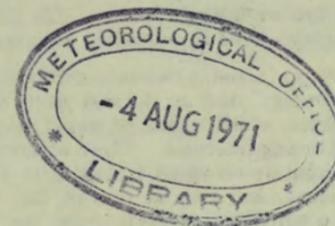
DUPLICATE

# THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June

1940



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.	0h. 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.	0h. 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 :—

- Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.
- Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.
- Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).
- 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.

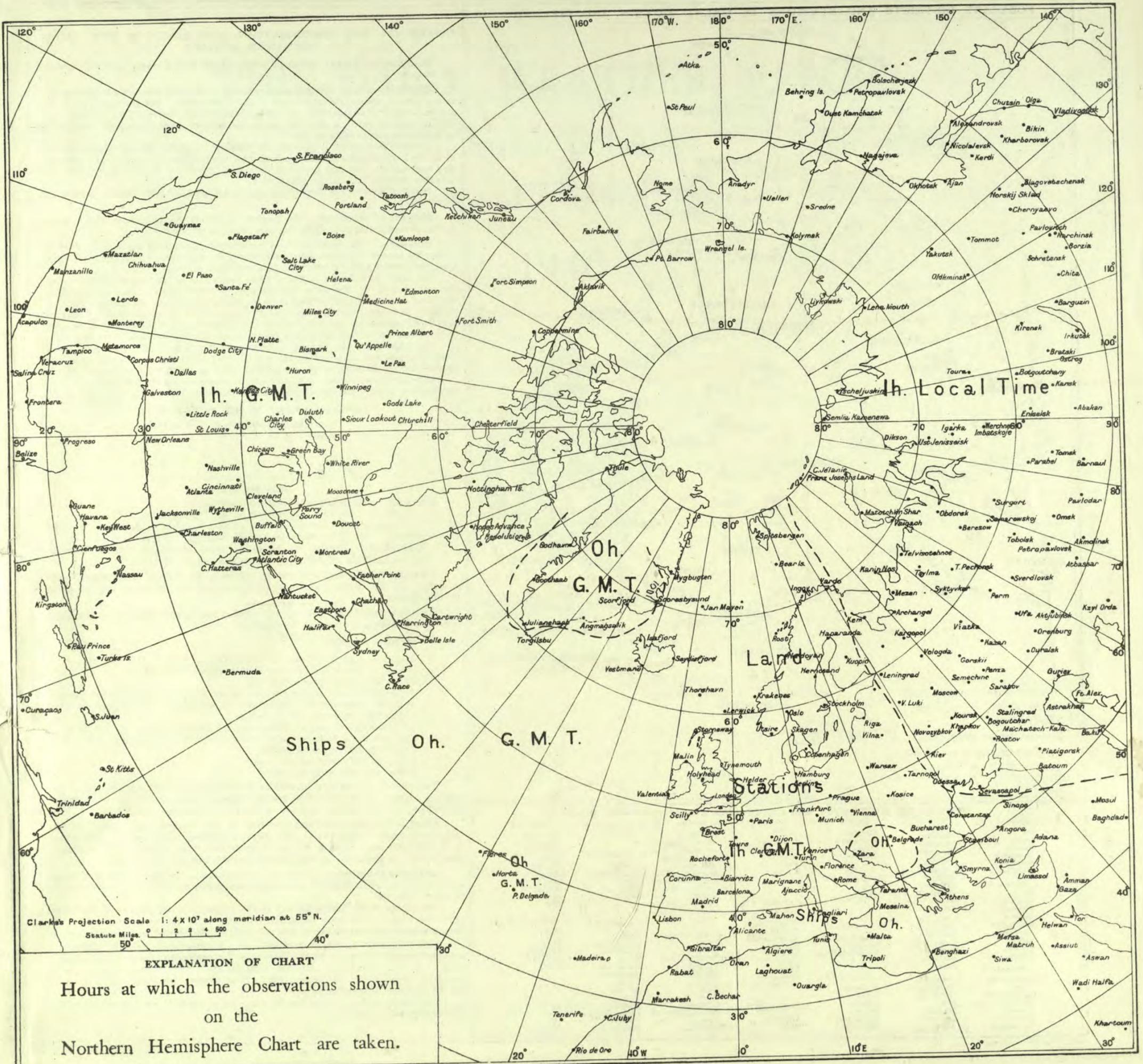
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.



Clark's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
 Statute Miles. 0 1 2 3 4 500

**EXPLANATION OF CHART**

Hours at which the observations shown  
 on the  
 Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



Stations printed on pp. 1 and 4 are shown in capitals—**LERWICK**. Stations whose observations are given on page 2 are shown thus:— 115 Cape Wrath.

FORECAST DISTRICTS and the Counties comprised within them

1. England, S.E. Kent. Sussex. Surrey. Hampshire. Berkshire. Wiltshire.	4. Midlands, W. Gloucester. Hereford. Worcester. Shropshire. Stafford.	8. England, N.W. Cheshire. Lancashire. Westmorland. Cumberland.	11. Scotland, S.E. (cont.) Linlithgow. Clackmannan. Kinross. Fife. Forfar.	13a. Scotland, N.W. Hebrides. Western parts of Inverness, Ross and Cromarty, Sutherland. (Boundary line runs from Rannoch Station through Fort Augustus, Beaulieu and Lairg to Melnich.)	10. Orkneys and Shetlands.	19. Ireland, S.E. Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Leix. Kildare. Dublin.
2. England, E. Essex. Middlesex. Hertford. Bedford. Huntingdon. Cambridge. Suffolk. Norfolk. Lincoln.	5. England, S.W. Dorset. Somerset. Monmouth. Devon. Cornwall.	9. Midlands, N. Derby. Yorkshire, W.	12. Scotland, S.W., and Isle of Man.	14. Mid Scotland. Forth.	17. Ireland, N.W. Galway. Roscommon. Mayo. Sligo. Leitrim.	20. Ireland, S.W. Cork. Kerry. Limerick. Tipperary. Clare.
3. Midlands, E. Buckingham. Oxford. Northampton. Warwick. Leicester. Rutland. Nottingham.	7. Wales, N. Montgomery. Merioneth. Flint. Denbigh. Carnarvon. Anglesey.	10. England, N.E. Yorkshire, N. & E. Durham. Northumberland.	11. Scotland, S.E. Roxburgh. Selkirk. Peebles. Berwick. Haddington. Edinburgh.	15. Scotland, N.E. Aberdeen. Banff. Elgin. Nairn. Cathness. Eastern parts of Inverness, Ross, Sutherland.	18. Ireland, N.E. Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.	

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 louvered 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.

*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.

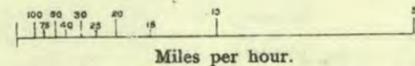
The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper 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 × 10<sup>7</sup> Charts.  
or 2 mb " " 1 : 10<sup>7</sup> " "



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 psychrometric formulae:—

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

$$x = f - .444(t - t')$$

$$x = f - .400(t - t')$$

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 from 0 to 19; 25, between 20 and 29; .....and so on; 92, from 90 to 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.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Dry and warm with abundant sunshine.

The month was notable for its dryness and abundance of sunshine. Except for a few days near the middle and towards the end of the month anticyclonic conditions prevailed over most of the country.

Temperatures were well above normal but the month as a whole was remarkably equable. New records for mean maximum temperature were made at Abbotsinch and Lympne. At the latter place it was the highest since records began in 1921. Extreme maximum temperatures were nowhere particularly high and 76°F. was the highest recorded; at Croydon on 15th and Mildenhall and Camden Square on 25th. Very slight ground frosts occurred locally in the south during the first half of the month.

Rainfall slightly exceeded the normal in parts of Western England but elsewhere it was well below, and at some places in the East and Southeast totals did not exceed a third of the normal. During the unsettled period near the middle and towards the end of the month, thundery rains were frequent and although they were heavy in some districts, they did not materially affect the dryness of the month. Bristol recorded 28 mm. on the 14th in a thunderstorm.

At Gorleston a new low record was established with a total of only 3 mm., the previous record being 9 mm. in 1917.

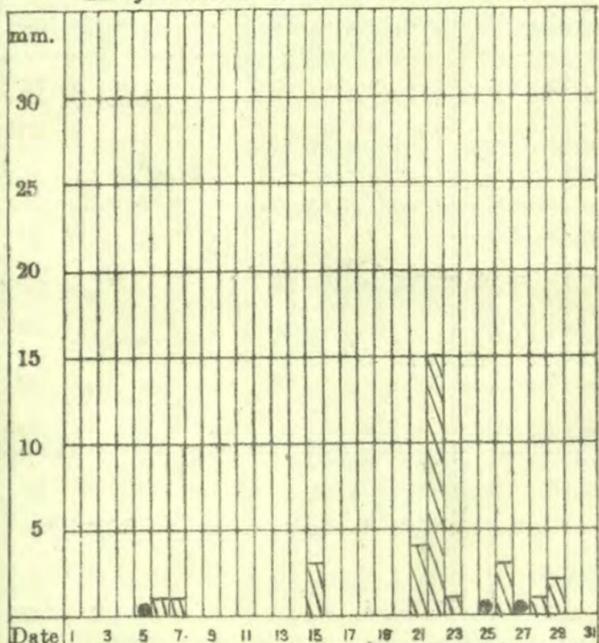
Sunshine totals were generally well above normal; only at Stornoway, Holyhead, Phoenix Park and Birr were they below, but only slightly. Daily values of sunshine exceeded 13 hours over a wide area during the first three weeks, particularly on 19th and 20th. On the 19th Lerwick recorded 16.5 hours.

Thundery conditions occurred on many days throughout the country but mainly between 15th and 17th and 27th and 29th and chiefly in the South. Hail occurred locally with some of the thundery showers.

The only gale recorded during the month was at Lerwick during the night of 9th - 10th.

Fog was widespread off the coasts of East and North Scotland during the last week of the month and also occurred off the S.W. coasts early in the month, otherwise it was local and infrequent.

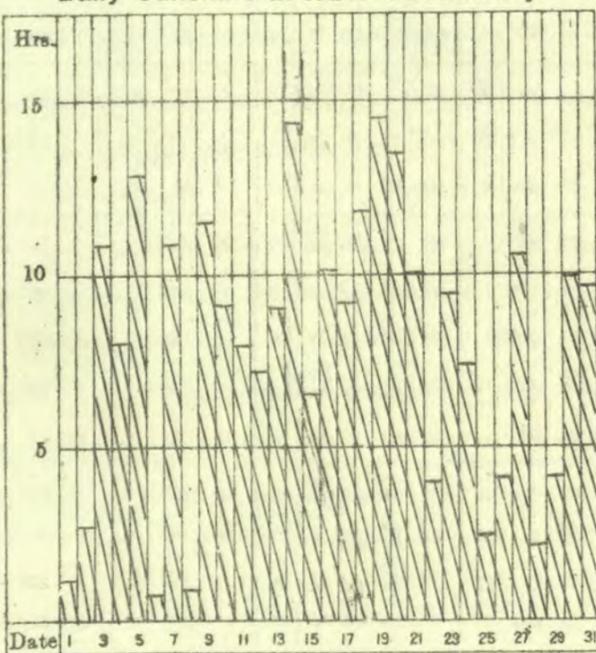
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

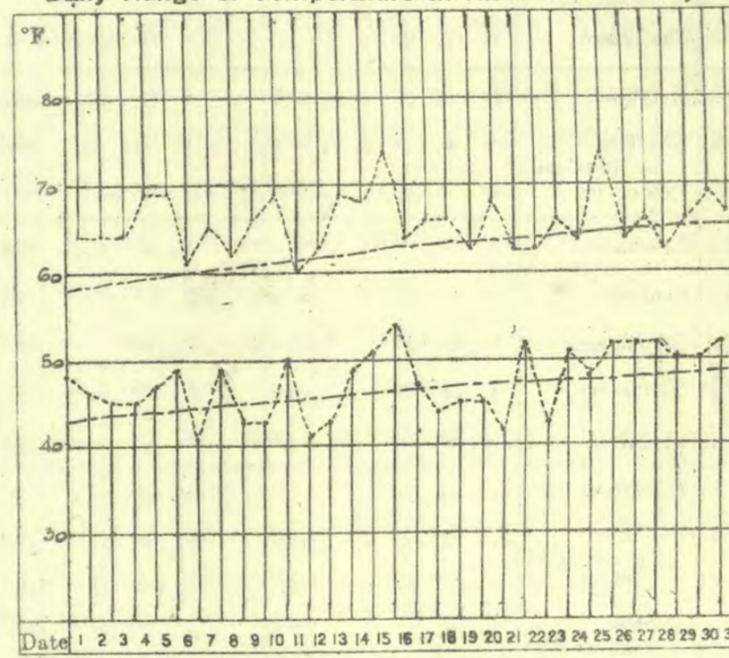
RAINFALL Total for Month. 31 mm.

Daily Sunshine at KEW Observatory



SUNSHINE Total for Month. 247 hrs.

Daily Range of Temperature at KEW Observatory.



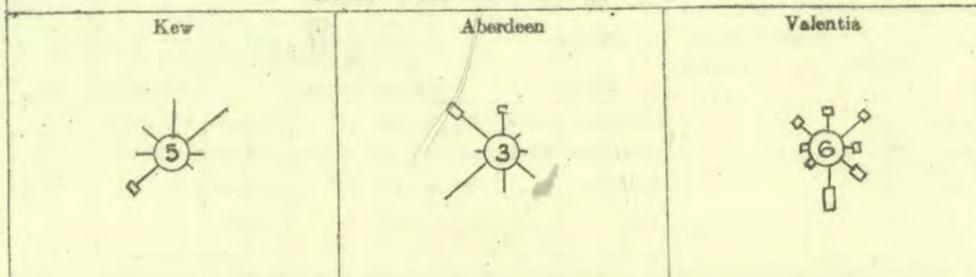
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.\*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1016.5	mb. +0.6	°F. 56.6	+2.1
Aberdeen	1017.3	+2.3	50.7	+2.6
Valentia	1016.8	+1.5	54.3	+2.5

\*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 19 h. duly corrected.  
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Kew ...	5297
Aberdeen ...	
Lerwick ...	9880
Valentia ...	7631

## SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

DISTRICT.	STATIONS.	TEMPERATURE.											LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.																				
		Number of daily readings within fixed limits.					Extremes—Warmest and Coldest.						Number of observations within fixed limits.						Number of observations within fixed limits.																				
		Maximum.			Average Maximum.	Minimum.			Average Minimum.	Days.			Nights.			Number of Ground Frosts.	7 h.			13 h.			18 h.			7 h.			13 h.										
		42°-50°	51°-59°	60°-68°		69°-77°	33°-41°	42°-50°		51°-59°	Highest Max.	Lowest Max.	Highest Min.	Lowest Min.	Below 1,000 ft.		1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.					
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	-	-	24	7	62.5	2	21	8	45.6	74	15	60	11	54	16	41	12	4	-	21	-	-	28	-	-	28	-	-	-	-	1	5	-	-	-	-	24	
2	Shoeburyness Gorleston Cranwell	-	7	13	6	60.7	8	20	3	44.5	72	25	50	12	58	25	35	12	6	3	14	3	1	23	2	-	8	6	-	-	1	1	13	-	-	-	-	19	
3	Birmingham (Edgbaston)	-	6	22	3	58.7	2	26	3	44.1	72	25	56	2	52	26	40	7	2	10	10	1	2	23	-	1	25	-	-	1	2	10	6	-	-	1	-	21	
4	Ross-on-Wye	-	2	25	4	60.9	8	20	3	44.4	70	13	53	15	52	27	38	12	2	6	15	-	1	28	-	1	27	-	-	-	2	2	13	-	-	-	-	21	
5	The Lizard	-	12	19	-	*	-	22	9	*	64	10	55	16	53	25	27	42	7	-	31	-	1	30	-	-	30	-	-	-	-	1	28	-	-	1	2	27	
7	Holyhead	2	22	7	-	54.8	-	25	6	46.5	64	25	50	15	52	26	43	23	0	6	17	3	3	21	4	1	22	1	-	-	1	-	21	-	-	-	-	23	
8	Chester (Sealand)	-	8	19	4	59.6	6	21	4	43.5	71	17	52	22	53	25	29	36	20	1	7	17	-	1	27	-	3	19	2	-	-	-	6	7	-	-	-	1	17
10	Tynemouth	6	17	8	-	59.9	1	27	3	44.1	63	27	45	2	54	27	41	5	0	-	31	-	-	31	-	-	30	-	-	-	2	3	7	-	-	-	1	19	
11	Leuchars	1	12	17	1	55.4	9	21	4	41.3	70	28	46	1	52	27	38	20	4	3	20	1	1	24	-	3	19	3	-	-	1	1	21	-	-	-	1	27	
12	Renfrew	2	7	13	4	57.6	9	20	2	41.6	73	20	43	1	56	26	35	15	2	1	26	1	-	29	2	2	27	2	-	-	2	3	14	-	-	-	-	24	
	Eskdalemuir	1	8	21	1	55.4	15	15	1	38.7	69	20	43	1	51	26	33	9	6	10	14	-	4	25	-	2	24	-	-	-	-	-	20	-	-	-	-	26	
13	Stornoway	1	22	8	-	52.3	2	25	4	42.2	64	18	50	16	52	26	28	41	6	-	28	-	-	29	1	1	28	-	-	-	-	-	20	-	-	-	-	23	
15	Aberdeen	2	18	11	-	53.9	9	21	1	42.2	66	28	45	1	51	28	33	3	2	7	19	-	3	22	-	3	16	-	-	-	2	1	21	-	-	-	-	24	
18	Aldergrove	1	10	20	-	*	7	21	3	*	68	20	50	16	53	26	36	15	0	4	22	2	5	24	-	4	22	-	-	-	1	-	21	-	-	-	-	24	
19	Dublin (Phoenix Park) Birr Castle	-	12	13	1	53.7	12	16	3	42.2	70	13	51	22	54	27	30	36	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Valentia (Cahirciveen)	-	6	25	-	58.9	12	13	6	43.2	69	19	51	22	54	27	30	34	15	2	-	23	-	1	29	-	-	28	-	-	-	1	-	30	-	-	-	-	31
		-	12	19	-	56.9	2	17	12	46.7	67	19	54	7	55	26	39	21	0	2	23	2	3	27	-	5	24	-	-	-	-	-	31	-	-	-	-	29	

UPPER AIR TEMPERATURE.								UPPER WINDS. No. of records of Velocity (km./hr.) within fixed limits.																							
Pressure. mb.	Normal Height. Feet.	MILDENHALL.		ALDERGROVE.		STATION		LYMPNE.					PLYMOUTH (Mt. Batten).					HOLYHEAD.					RENFREW.					STATION.			
		Normal Temp. °F.	Mean. °F.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100
950	1830	47.5	51.4	43.5	62	500 above ground.	112	50	58	1	-	-	102	66	30	1	-	-	36	22	3	3	-	-	39	53	45	1	-	-	500 above ground.
850	4310	36.9	41.7	46.5	62	1000 above M.S.L.	104	40	57	6	-	-	96	54	36	2	-	-	26	11	11	3	-	-	30	37	41	2	-	-	1000 above M.S.L.
750	3090	26.9	31.9	32.4	62	2000 "	73	25	42	6	-	-	39	17	19	1	-	-	13	6	11	1	-	-	43	23	16	4	-	-	2000 "
650	11770	15.7	19.7	21.1	62	3000 "	51	11	35	5	-	-	22	10	11	1	-	-	9	5	3	-	-	20	10	8	2	-	-	3000 "	
550	15950	2.9	5.1	6.9	62	4000 "							10	2	3	-	-	-	3	2	-	1	-	-	10	6	2	2	-	-	4000 "

† The readings and averages used, are, except in the case of Phoenix 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 Phoenix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O. 364).

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

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

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

# SUNSHINE, RAINFALL, AND HUMIDITY

MAY 1940.

DISTRICT.	STATIONS.	SUNSHINE.										RAINFALL.										Days with Thunder.	Days with Snow or Sleet.																										
		Number of Days with Duration.					Maximum Duration.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.			Number of days with amount.					Maximum fall in 24 hrs.	Total for past 12 months.			Difference from Average.	Total for Month. †	Difference from Average.	Highest and Lowest Totals on record for Month.																						
		Nil.	0.1-3h.	3.1-6h.	6.1-9h.	Above 9h.						Hours.	Date.	Hours.	Hours.	Hours.	Hours.	First year of record.	Highest.								Year.	Lowest.	Year.	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.	mm.	Date.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
		Total for past 12 months.		Difference from average.		Total for Month.		Difference from average.		Highest and Lowest Totals on record for Month.		First year of record.		Highest.		Year.		Lowest.		Year.				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.		mm.		Date.		mm.									
1	London (Kew Obsy.)	-	6	3	6	16	14.5	19	1477	+8	247	+49	1880	315	1920	114	1932	22	3	5	-	1	-	15	22	702	+96	31	-13	1856	106	1856	4	1896	3	0													
	Croydon	2	4	4	5	16	14.7	19	1463	-62	250	+59	1922	286	1922	115	1932	25	1	3	2	-	-	14	22	764	+85	27	-20	1921	103	1932	11	1936	2	0													
	Calshot** (Southampton)	-	1	9	4	17	14.9	19	1695	-51	283	+69	1881	327	1909	109	1932	25	3	2	1	-	-	8	26	796	+150	15	-30	1871	137	1932	8	1895	2	0													
	Lympne	2	2	7	5	15	14.8	19	1704	-61	249	+24	1921	311	1922	154	1932	25	1	4	1	-	-	6	15	868	+144	17	-23	1920	108	1930	14	1936	4	0													
2	Shoeburyness	-	4	5	6	16	14.8	19	1605	-111	269	+45	1919	290	1922	146	1932	25	1	3	2	-	-	11	29	613	+110	25	-8	1920	79	1924	9	1936	3	0													
	Gorleston	-	5	3	7	16	15.0	20	*	*	266	+43	1908	304	1919	127	1932	26	4	1	-	-	1	30	645	+23	3	-41	1871	99	1924	9	1917	0	0														
	Cranwell	-	5	3	7	11	14.5	19	1594	-144	231	+42	1921	291	1922	99	1932	21	4	5	-	1	-	17	23	633	+43	33	-13	1917	117	1932	13	1934	2	0													
3	Birmingham (Edgbaston)	2	10	5	5	9	14.3	19	1194	-110	183	+17	1887	252	1909	33	1932	20	4	2	2	3	-	16	22	842	+168	67	+13	1893	173	1932	5	1896	3	0													
4	Ross-on-Wye	-	3	10	3	10	13.9	19	1407	-78	199	+13	1915	246	1922	104	1932	22	-	7	1	1	-	24	15	732	+15	56	+2	1859	139	1886	5	1896	3	0													
5	Falmouth (Observatory)	-	4	8	6	13	14.7	20	1694	-16	250	+43	1881	336	1896	152	1925	24	2	4	1	-	-	6	26	1119	+12	21	-35	1871	142	1878	1	1896	0	0													
7	Holyhead	3	6	6	7	9	14.4	20	1530	-20	193	-4	1914	267	1929	154	1920	19	2	3	2	-	-	12	15	905	+18	39	-11	1871	121	1924	6	1895	1	0													
8	Chester (Sealand)	2	4	6	8	11	14.2	19	1397	+21	218	+52	1923	242	1929	109	1932	21	1	6	2	1	-	23	15	733	+145	73	+27	1922	114	1924	9	1922	0	0													
10	Tynemouth	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*	22	4	2	3	-	-	7	26	638	+67	29	-22	1915	151	1924	15	1929	1	0													
11	Leuchars	3	4	9	4	11	13.8	19	1352	-118	214	+37	1922	225	1935	119	1933	19	7	3	2	-	-	7	26	631	-22	25	-22	1922	109	1938	21	1922	2	0													
12	Renfrew	3	9	4	8	7	13.9	19	1135	-58	173	+16	1921	195	1929	106	1925	18	7	3	1	-	-	5	25	852	-87	26	-34	1921	156	1925	13	1935	2	0													
	Eskdalemuir	2	6	7	6	10	14.3	19	1199	-2	195	+34	1910	223	1919	102	1924	18	6	5	2	-	-	11	25	1279	-150	37	-47	1910	236	1925	15	1936	5	0													
13B	Stornoway	2	10	6	6	7	13.5	22	1212	-3	167	-12	1881	279	1882	134	1920	14	5	9	3	-	-	7	26	938	-323	42	-23	1870	132	1920	15	1890	0	0													
15	Aberdeen	2	6	6	6	11	14.7	19	1242	-87	209	+29	1881	249	1881	105	1927	24	2	3	1	1	-	5	26	685	-63	38	-21	1871	124	1906	16	1876	0	0													
18	Aldergrove	7	2	3	9	5	14.9	11	1225	*	176	*	1927	234	1927	116	1933	16	7	6	2	-	-	6	31	970	+132	33	-25	1926	90	1931	21	1939	1	0													
19	Dublin (Phoenix Park)	3	9	4	8	7	14.5	20	1160	-277	177	-3	1881	281	1882	114	1925	21	5	4	1	-	-	11	21	791	+89	25	-28	1865	141	1925	7	1895	1	0													
	Birr Castle	4	9	6	2	10	14.8	20	1224	-82	165	-4	1881	268	1901	107	1925	18	6	6	1	-	-	6	21	811	-16	23	-93	1862	126	1916	9	1896	0	0													
20	Valentia (Cahiriveen)	2	6	4	4	15	14.7	20	1550	+182	236	+52	1880	296	1896	139	1914	15	6	7	3	-	-	15	24	1363	-61	40	-41	1866	168	1913	6	1896	0	0													

### MINIMUM SURFACE HUMIDITY.

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

STATIONS.	95	90	80	70	60	50	40	30	20	0
	to 100 %	to 94 %	to 89 %	to 79 %	to 69 %	to 59 %	to 49 %	to 39 %	to 29 %	to 19 %
London (Kew)	-	-	-	2	6	4	13	5	2	-
Ross-on-Wye...	-	-	1	1	3	9	8	3	-	-
Falmouth (Obsy.)	-	-	7	11	11	2	-	-	-	-
Renfrew	-	-	1	1	5	16	6	2	-	-
Eskdalemuir	-	-	1	1	7	6	7	3	4	2
Aberdeen	1	1	5	5	5	9	5	-	-	-
Valentia	-	-	4	8	11	4	3	1	-	-

### STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

STATIONS.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.
	0	1	2	3	4	5	6	7	8	9	
London (Kew)	12	15	-	-	-	-	-	-	-	-	0 Dry.
Ross-on-Wye	12	19	-	-	-	-	-	-	-	-	1 Wet.
Renfrew	21	10	-	-	-	-	-	-	-	-	2 Flooded.
Eskdalemuir	14	17	-	-	-	-	-	-	-	-	3 Frozen hard and dry.
Aberdeen	26	5	-	-	-	-	-	-	-	-	4 Partly covered with snow or hail.
Valentia	22	9	-	-	-	-	-	-	-	-	5 Covered with ice or glazed frost.
											6 Covered with thawing snow.
											7 Covered with snow, less than 6 ins., but ground not frozen.
											8 Covered with snow, less than 6 ins., and ground frozen.
											9 Covered with snow, greater than 6 ins. deep.

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

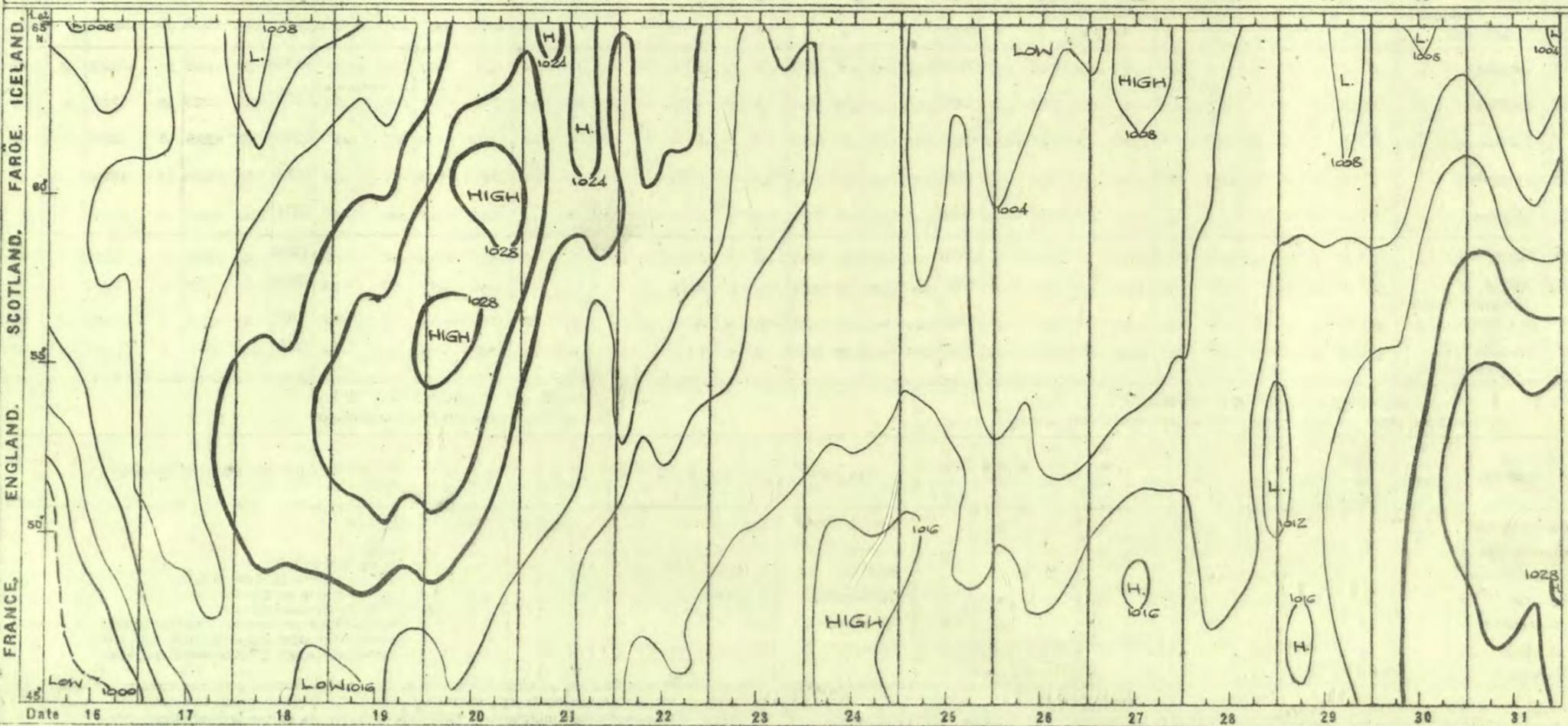
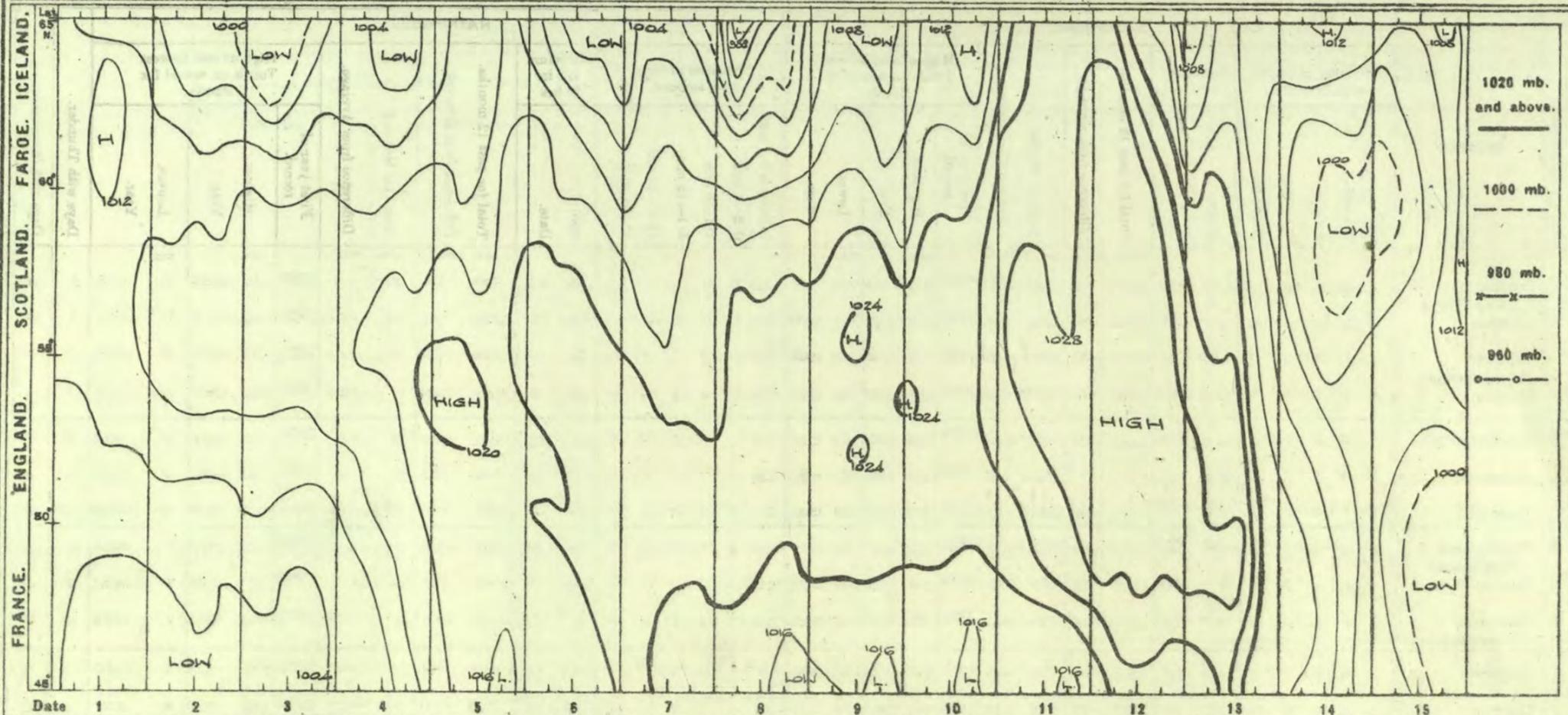
† Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0.1 mm.

PRESSURE: ICELAND TO GULF OF LIONS

MAY

1940.

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 19h. are plotted consecutively and joined to show 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.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h G.M.T., Observations at 18h G.M.T., and Past 24 Hours. Includes data for London, Birmingham, Manchester, etc.

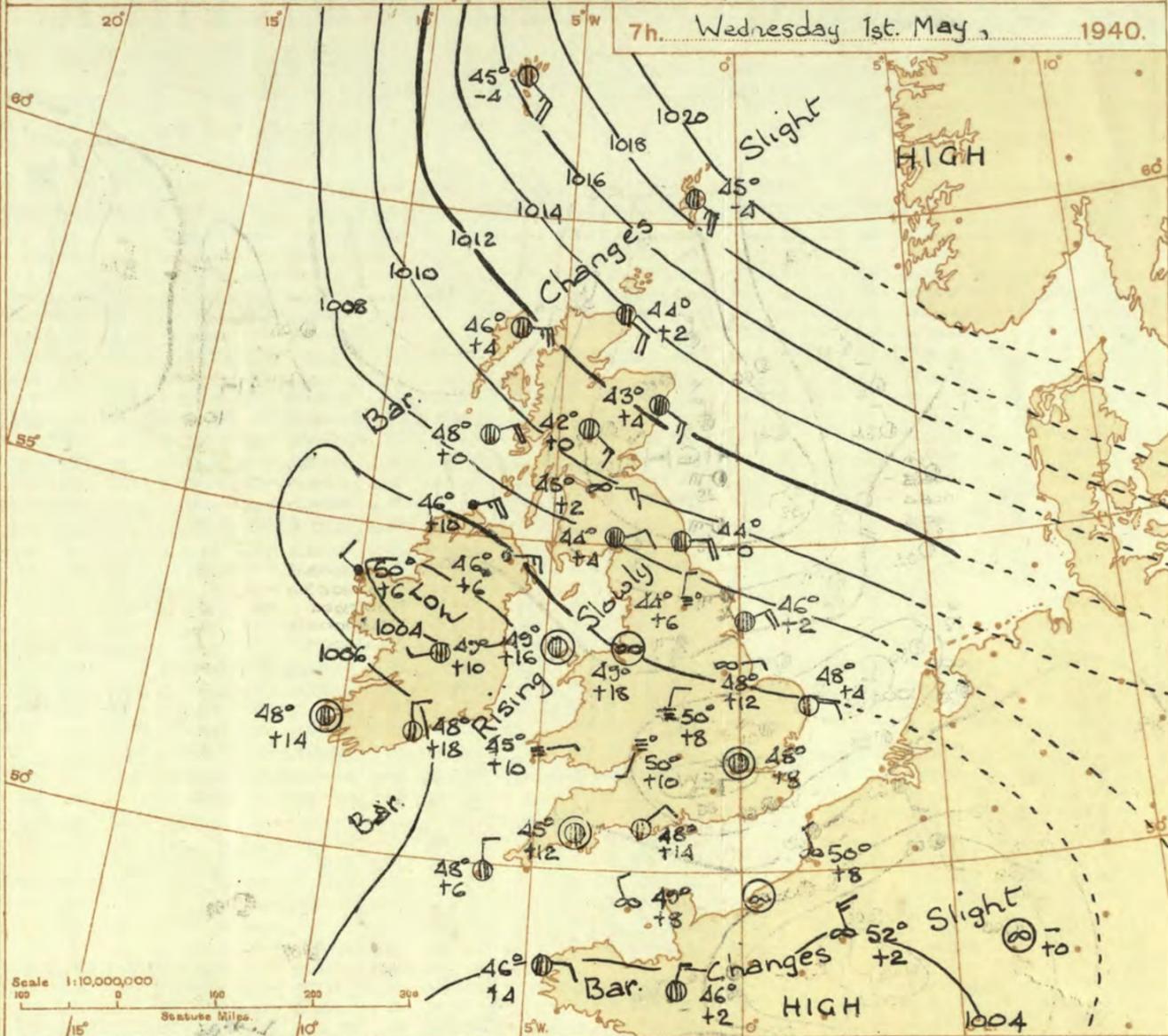
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS. COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER. COLUMNS 9, 23.—FORM OF LOW CLOUD. COLUMNS 10, 24.—FORM OF MEDIUM CLOUD. COLUMNS 11, 25.—FORM OF CIRRUS CLOUD. COLUMNS 12, 13, 26, 27.—STATE OF GROUND.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 1st May, 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st May, 1940.
1 S.E. England	Wind variable light, becoming east, moderate; dull, with occasional rain or drizzle, but some bright intervals, especially in afternoon; slight tendency towards local thunderstorms; local fog on East Coast; rather cold on East Coast; average temperature elsewhere.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind variable, light; bright intervals and occasional rain; average temperature.
6 South Wales ...	Wind variable, light, becoming east, moderate; dull, with occasional rain; average temperature.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind east, moderate; cloudy; local fog on East Coast; rather cold on East Coast; average temperature elsewhere.
10 N.E. England	
11 S.E. Scotland	Winds between east and southeast, moderate; cloudy in the East; some bright intervals in the West and North; rather cold in the East; and average temperature elsewhere.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Wind variable, light, becoming east, light to moderate; dull with occasional rain and much hill fog; rather cold.
20 S. W. Ireland	

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.

GENERAL INFERENCE.

Pressure is high over Scandinavia and low over France; a shallow trough of low pressure extending from Northern Ireland to Southeast England is moving slowly south and filling up. Weather will be cloudy in the north, with some bright intervals in the northwest; in the south and west there will be occasional drizzle or rain, with a slight tendency towards local thunder.

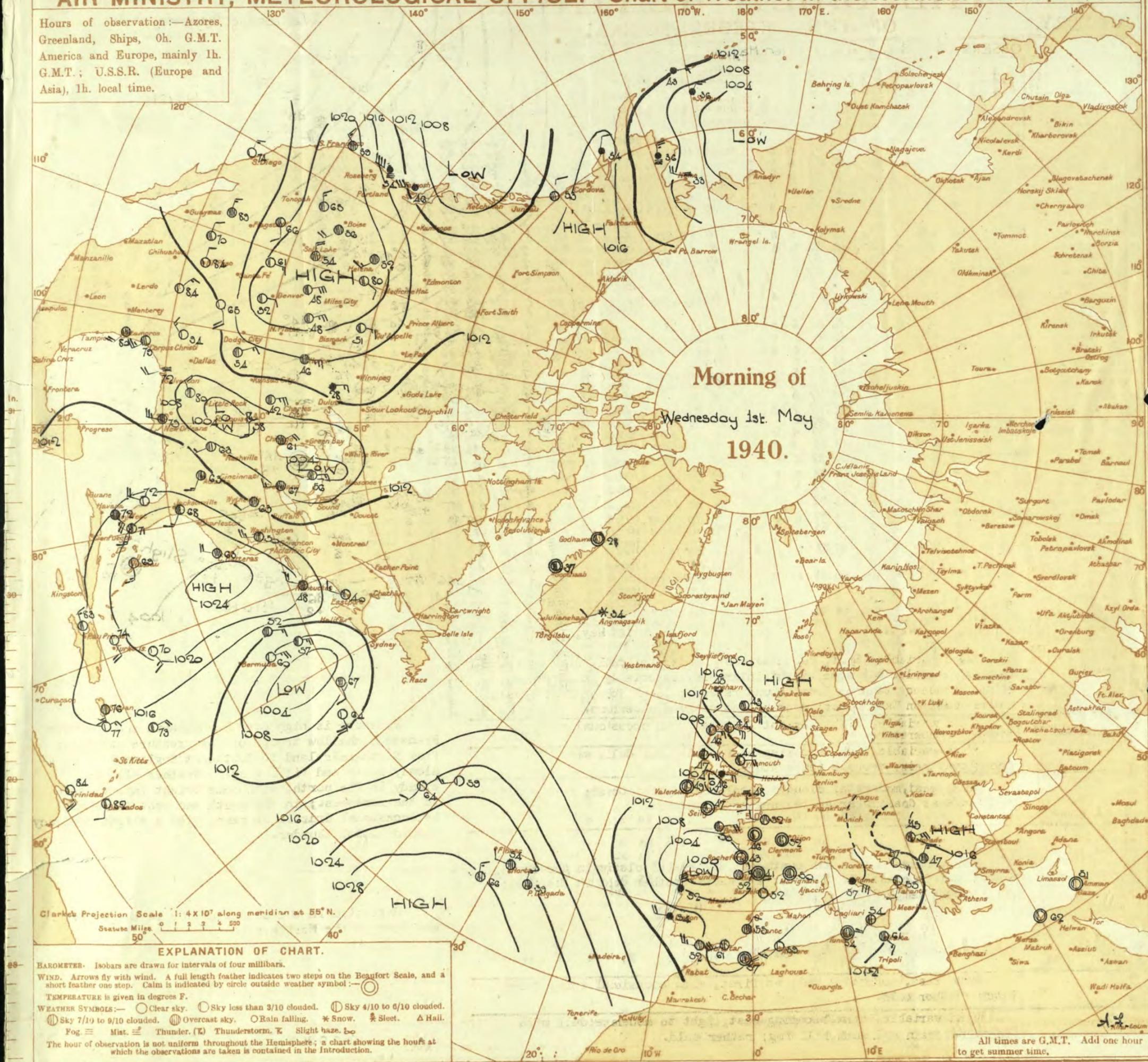
FURTHER OUTLOOK.

Unsettled in the South, cloudy in the East, and fair in the Northwest.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON. D.Sc., A.R.C.S. Director.  
 H.M.S.O. Press, Cornwall House S.E.1

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Wednesday 1st. May  
1940.

Clarke's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500  
40°

### 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. (T) Thunderstorm. K Slight haze. ∞

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main weather observation table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Past 24 Hours.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Sun-shine, Humidity, and Visibility.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 8, 22, 30, 34, and 35.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

Main data table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and State of Ground. Includes stations like London (Kew), Croydon, Birmingham, etc.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

† Sea disturbance reported from Dungeness.

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 So. 4 Ac in isolated patches. Individually decreasing (often lenticular). 5 Ac in bands (increasing). 6 Ac formed from the spreading out of Cu. 7 Ac associated with As or As with parts resembling Ac. 8 Ac Castellatus (or Ac in ragged fragments). 9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud form abbreviations:—

Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Alto cumulus, -Ac: Altostratus, -As: Stratocumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb.

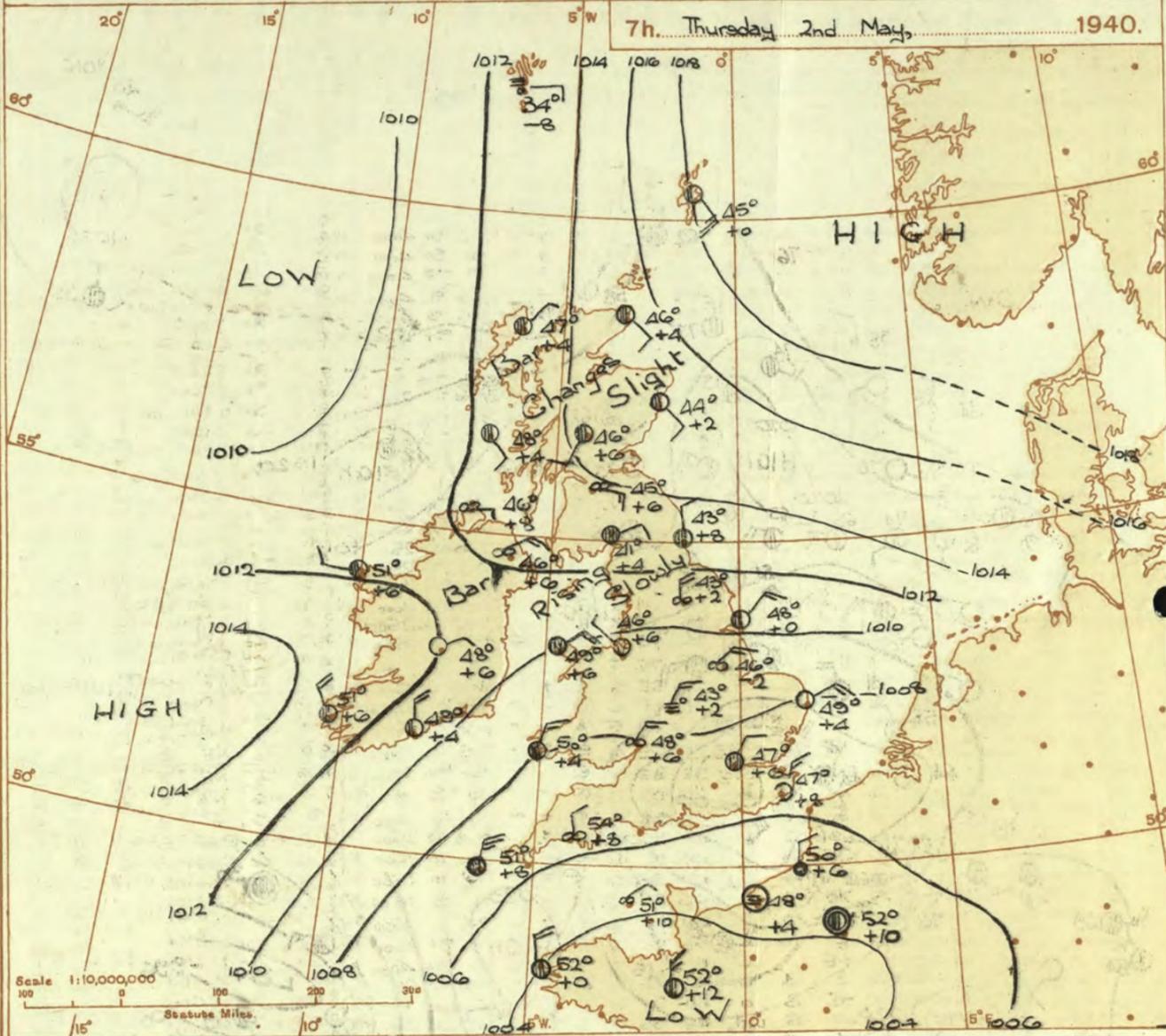
COLUMN 29.—STATE OF GROUND.

- 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.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 2nd May, 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd May, 1940.
1 S.E. England	Wind northeast moderate; variable cloud and bright intervals; local thundery rain in the south today, perhaps more widespread tomorrow; local fog tonight; rather cold on east coast; day temperatures rising above the seasonal average elsewhere.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Wind easterly to variable, light or moderate; fair; local fog tonight; day temperatures above average.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind east moderate; cloudy, with some bright intervals; rather cold near coast.
10 N.E. England	
11 S.E. Scotland	As 6 - 9.
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W.Scotland.	Wind southerly or variable light; fair; average temperature.
14 Mid Scotland	
15 N. E. Scotland	Wind southeast moderate to fresh; fair; rather cold near coasts.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind variable light or moderate; fair or fine; local fog inland tonight; day temperatures above average.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

A depression over South France is almost stationary, and a ridge of high pressure is developing over the northern half of the British Isles. There will be thundery rain in the south of England, and weather will be mainly fair elsewhere, with bright intervals. It will be rather cold along the east coast, but elsewhere temperatures will be around or above the seasonal average.

**FURTHER OUTLOOK.**

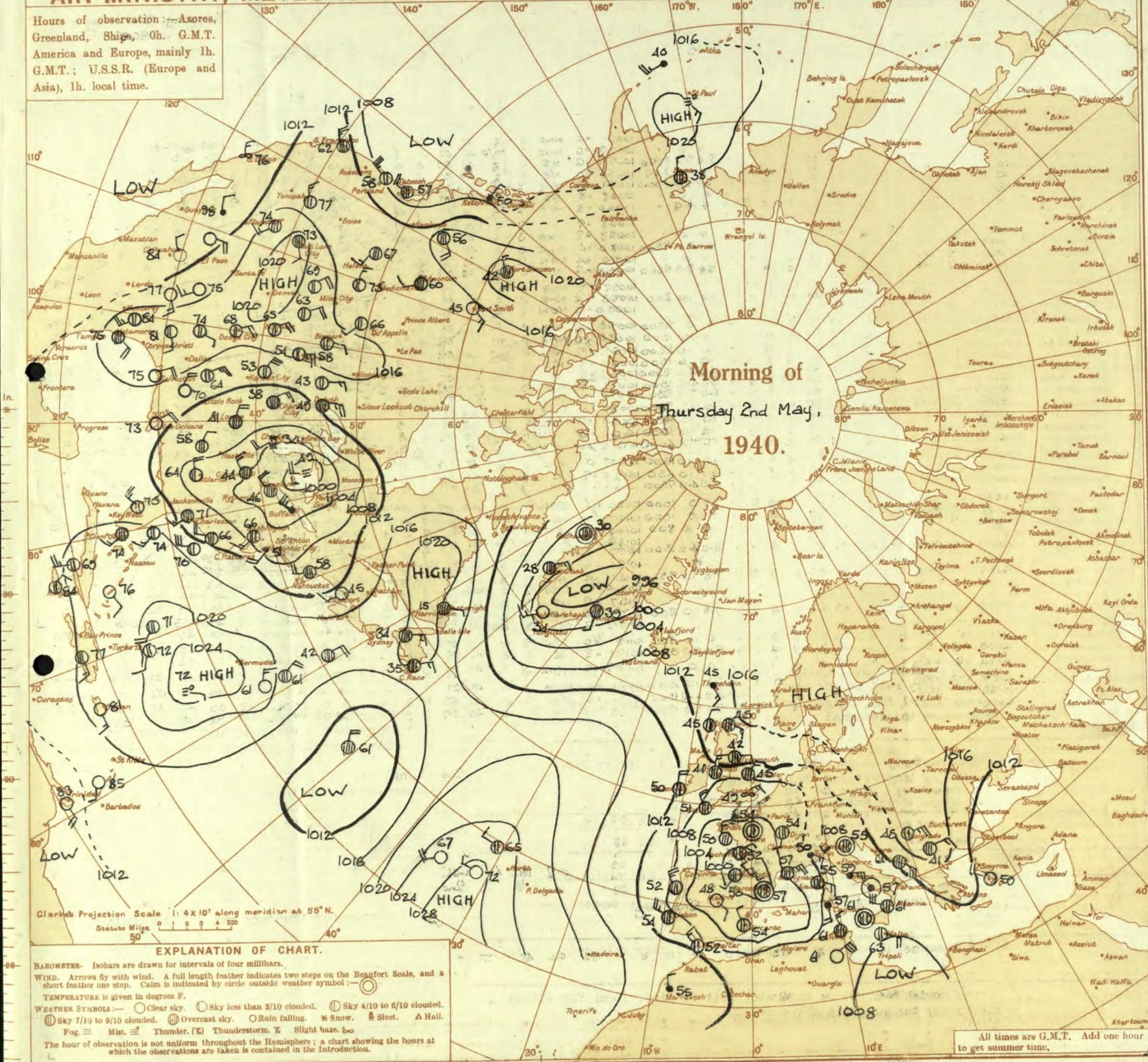
Tendency for thundery rain in the South.

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

Forecasts issued at 1100 G.M.T.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Thursday 2nd May,  
1940.

Glatke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog ≡ Mist. ≡ Thunder. (⚡) Thunderstorm. ≡ Slight haze. ≡

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. 2nd May, 7 hr. G.M.T. 2nd May, and Past 24 Hours. Columns include District, Stations, Height, Barom., Wind, Weather, Temp., Humid., Cloud, and various atmospheric measurements.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Sunshine, Humidity, and Visibility.

Table for atmospheric pollution and other London-specific data, including columns for Atmospheric Pollution, South Kensington, and Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed codes for barometric tendency, wind scale, surface visibility, and state of sea.

FOREIGN OBSERVATIONS table listing data for Paris, Brussels, Berlin, Zurich, and Rome.

Table for foreign observations with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

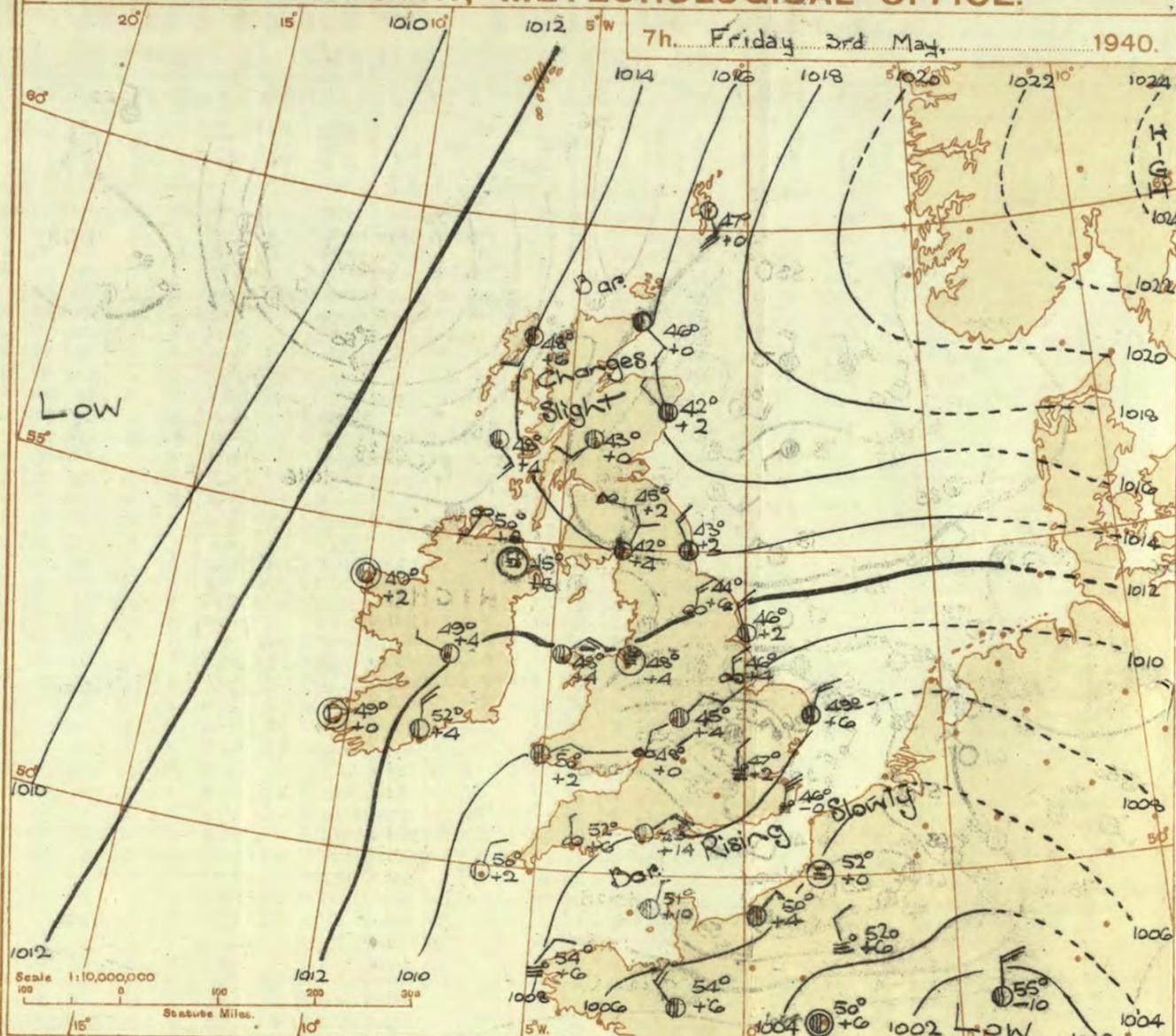
Table with columns for Observations at 13h. G.M.T. 2nd. May, Observations at 18h. G.M.T. 2nd. May, and Past 24 Hours. Includes station names like London (Kew), Croydon, etc., and various weather data points.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining symbols and abbreviations used in the weather report, including columns for Beaufort notation, form of low cloud, form of medium cloud, form of cirrus cloud, and state of ground.

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd May, 1940.
1 S.E. England	Wind north to northeast, light to moderate, freshening; cloudy and brighter periods at first, becoming dull, with occasional rain; some coast fog later; average temperature today, colder tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind northerly, light to moderate, fresh locally tomorrow; fair today; more cloud tomorrow with some rain probable in east of area; average temperature today, colder tomorrow.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind northeast moderate; fair today, becoming cloudy or dull tomorrow; rather cold in the east, average temperature in the west.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind mainly southeast to south, light to moderate; fair; average day temperature to rather cold on the northeast coast.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind variable, light; fair; temperature rather above average.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

The anticyclone persists over Scandinavia and Finland. A depression just east of the Rhone Valley will move northwest and will probably begin to fill up on approaching Southern England. Weather will be fair in Northern and Western districts most of the period. There will be bright intervals in England at first but rain will reach the Southeast tonight and spread northwards.

**FURTHER OUTLOOK.**

Unsettled especially in the East and South.

Forecasts issued at 1100 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 H.M.S.O. Press, Cornwall House S.E.1.

# 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.

Morning of  
Friday 3rd. May,  
1940.

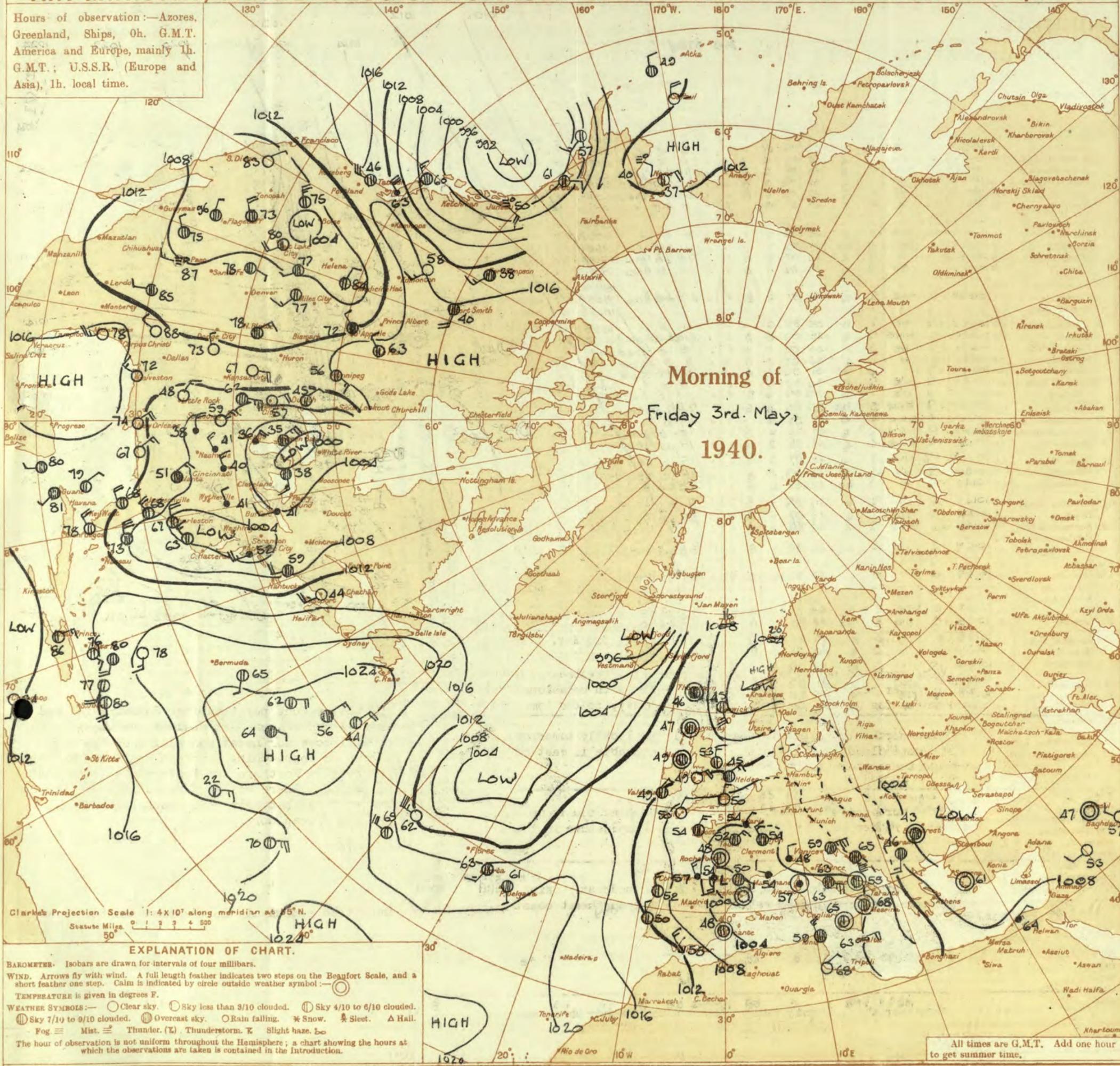
Clarke's Projection Scale 1:4x10<sup>7</sup> along meridian at 85° N.  
Statute Miles 0 1 2 3 4 500

## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog ≡ Mist. ⚡ Thunder. (T) Thunderstorm. ☼ Slight haze. ☁

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

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



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

Main table with columns for District, Stations, Barom., Wind, Cloud, Temp., Humid., Visibility, etc. for various locations like London (Kew), Croydon, Birmingham, etc.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, etc.

Table with columns for Weather, Temperature, Rainfall, Humidity, Atmospheric Pollution, etc.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 30, COLUMNS 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., etc.

Table with columns for 18h. G.M.T., 7h. G.M.T., Past 24 Hours, etc.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION Saturday 4th May 1940. No. 28653

AIR MINISTRY.

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

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

PAST 24 HOURS.

Main data table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Weather for the past 24 hours.

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.

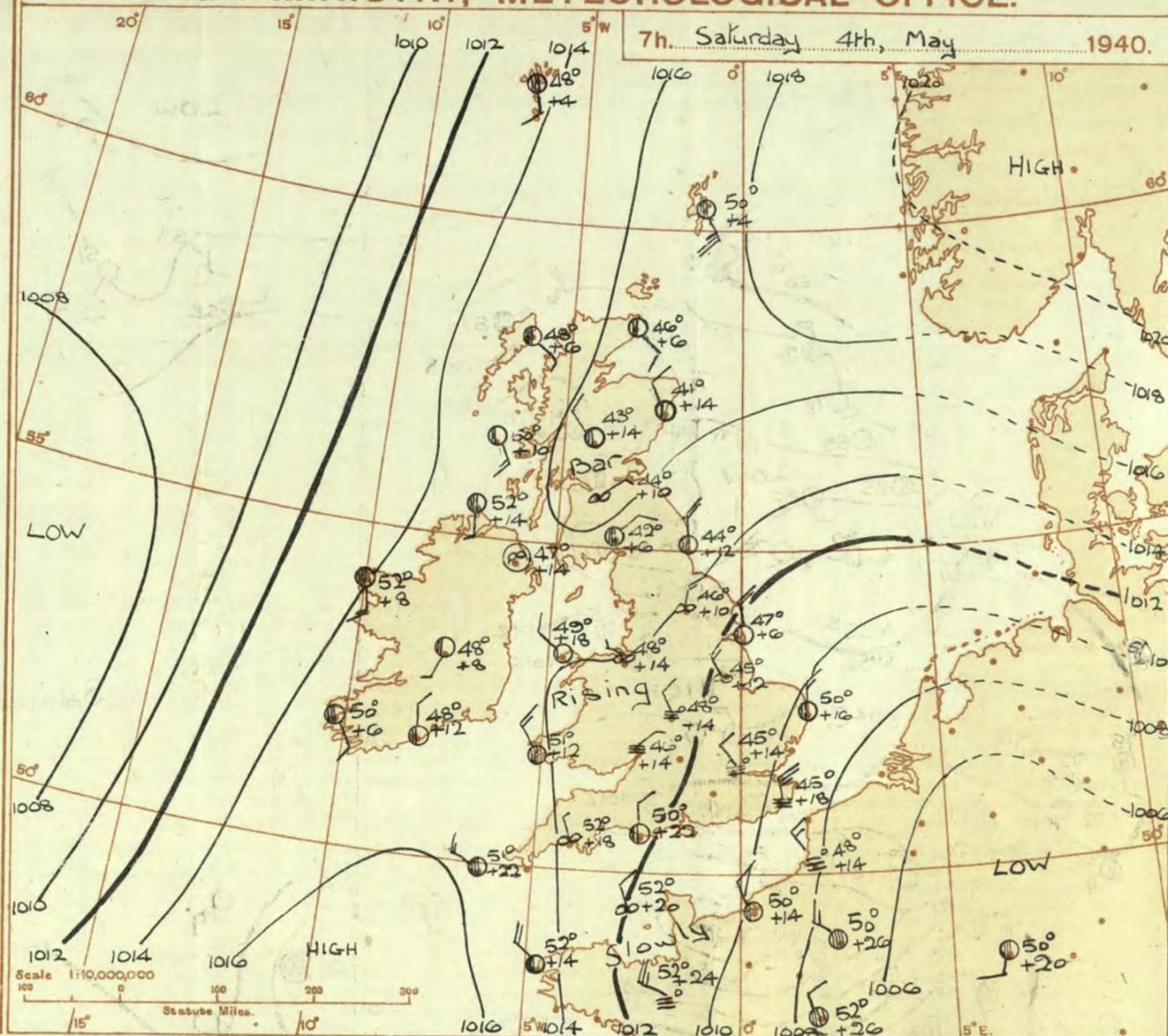
COLUMNS 9, 23.—FORM OF LOW CLOUD. 0 No low clouds. 1 Fair weather Cu. 2 Large Cu without anvil. 3 Cb. 4 Sc formed by the spreading out of Cu.

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).

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.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th May, 1940.
1 S.E. England	Wind north light to moderate, falling light; fair or fine; early morning fog; average day temperature today, rather warm tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable winds; mainly fine; local morning fog; rather warm by day in the West, temperature average or rather below on the East Coast today.
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.Scotland. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Wind south, freshening slowly; becoming cloudy; some rain or drizzle later; mild.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind variable to southerly, light; fine to fair; rather warm by day.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**  
 A ridge of high pressure connecting an anticyclone over Scandinavia and another west of Portugal is moving slowly east and increasing in intensity. Weather will be fair to fine generally with the exception of some occasional rain or drizzle in West Ireland. Conditions will be rather warm by day in the West.

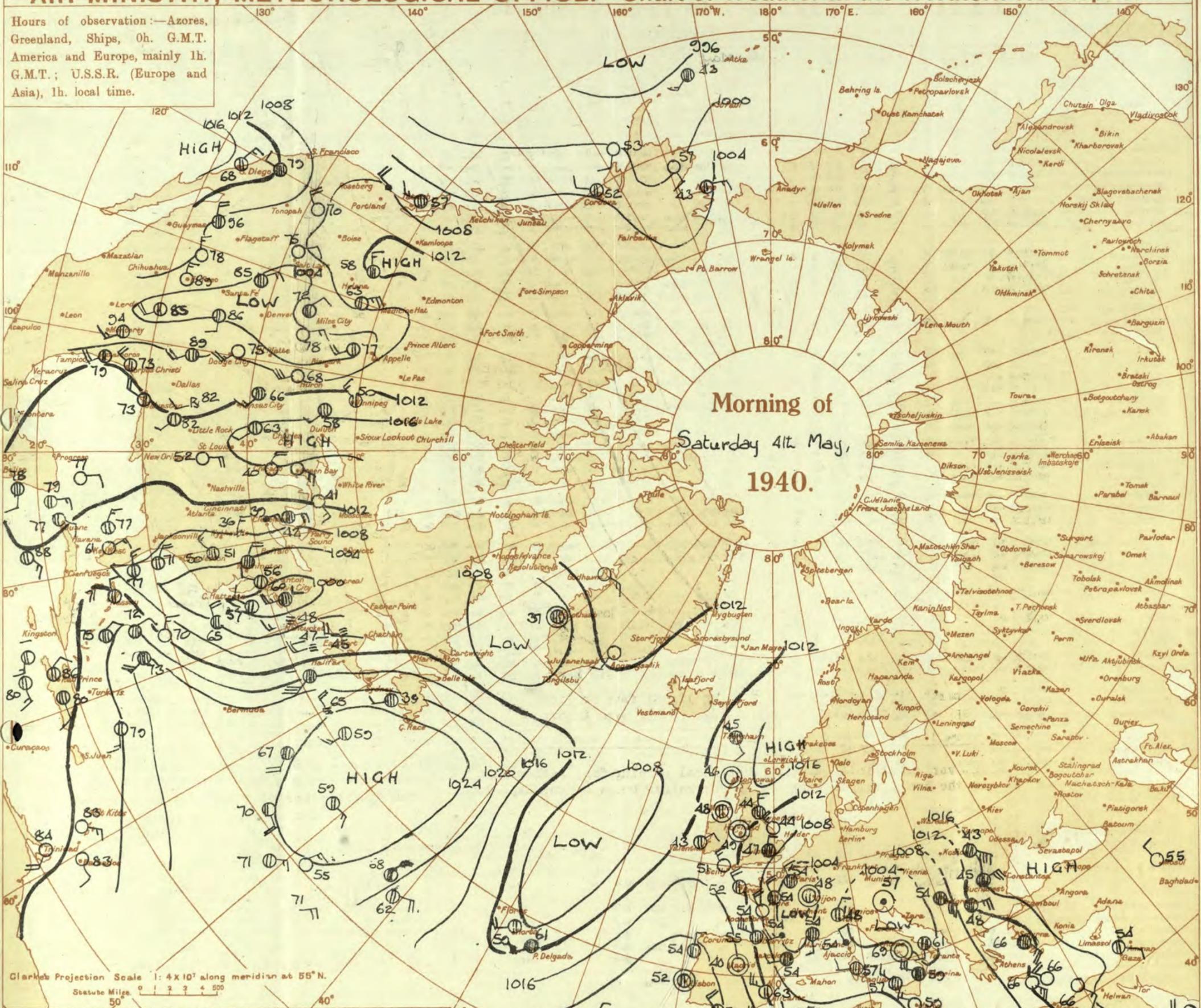
**FURTHER OUTLOOK.**  
 Fair in most districts.

Forecasts issued at 1030 N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Saturday 4th May,  
1940.



Clark's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 50

### EXPLANATION OF CHART.

**BAROMETRE.** 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. (T) Thunderstorm. T Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for London, Birmingham, and other locations.

LONDON OBSERVATIONS table with columns for Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution.

Table with columns for Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution, likely a continuation or summary of London observations.

EXPLANATION OF FIGURES, LETTERS, etc. section providing details for columns 2, 16, 4, 8, 22, 30, 34, and 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall.

Table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall, likely a continuation of foreign observations.

Table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall, likely a continuation of foreign observations.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

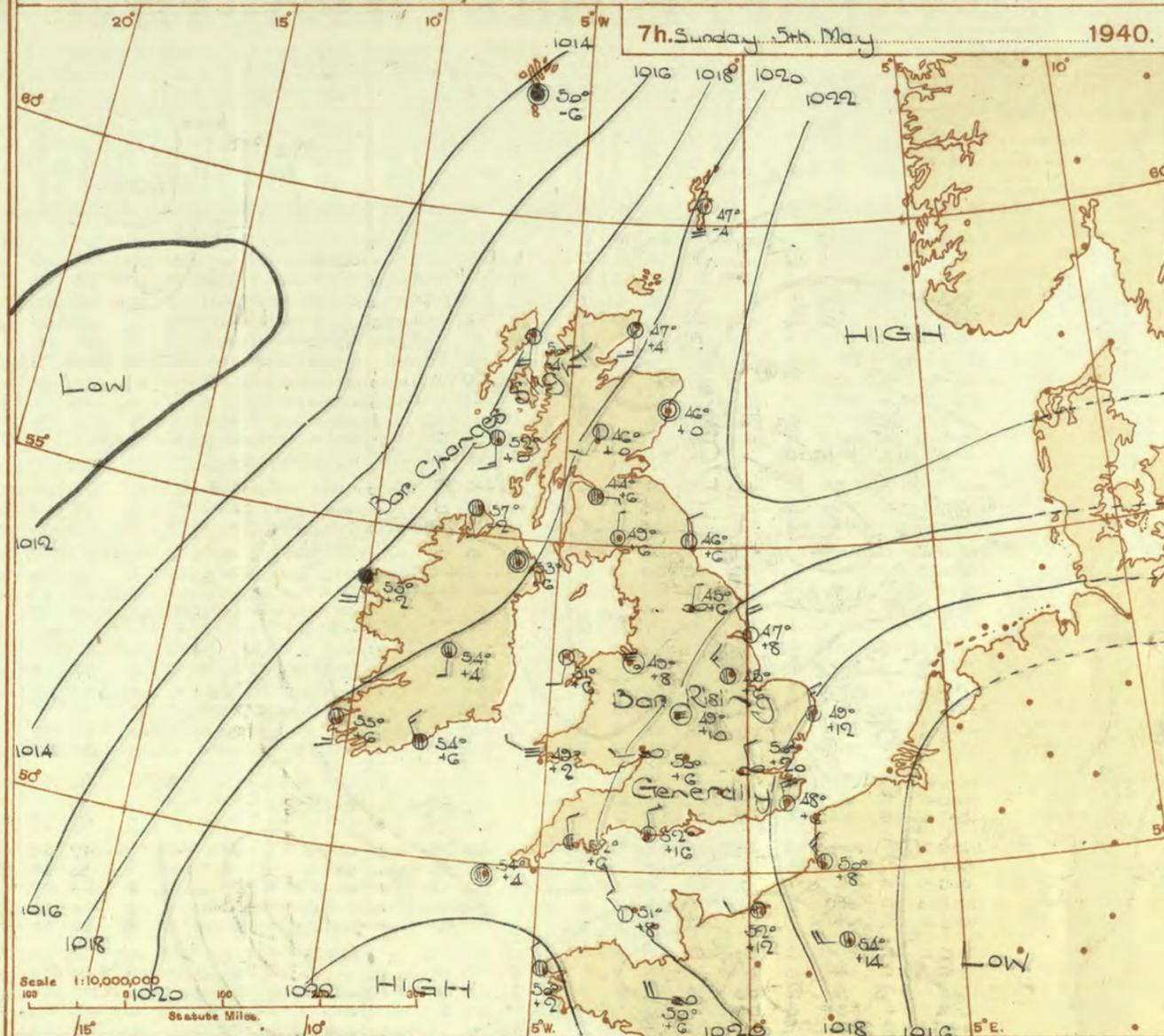
Table with columns for District, Stations, Barom., Change in 3 hours, Wind, Weather, Temp., Humid., Visibility, Cloud, and Past 24 Hours weather. Includes data for stations like London (Kew), Birmingham, and others.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining symbols and figures used in the weather report, including Beaufort notation, cloud forms, and state of ground.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



Mb. 1060, 1040, 1020, 1000, 980, 960, 940, 920, 900

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th May, 1940.
1 S.E. England	Light to moderate northerly wind; fine; a little early morning fog; rather warm by day except on the East Coast.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Light variable breeze; fine; some early morning fog inland; fog at times off the coast; rather warm by day.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Moderate southerly wind; cloudy; occasional drizzle or light rain chiefly near the coast; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Light to moderate southerly winds; fair or fine; rather warm by day.
14 Mid Scotland	
15 N. E. Scotland	As 13B.
16 Orkneys and Shetlands	
17 N. W. Ireland	Eight southerly wind; fair; mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

A belt of high pressure from Scandinavia to Portugal is increasing in intensity and will move slowly east. Weather will be fair or fine over most of the British Isles with rather high day temperatures. Early morning fog will occur locally. There will be some light rain or drizzle occasionally off the northwest seaboard.

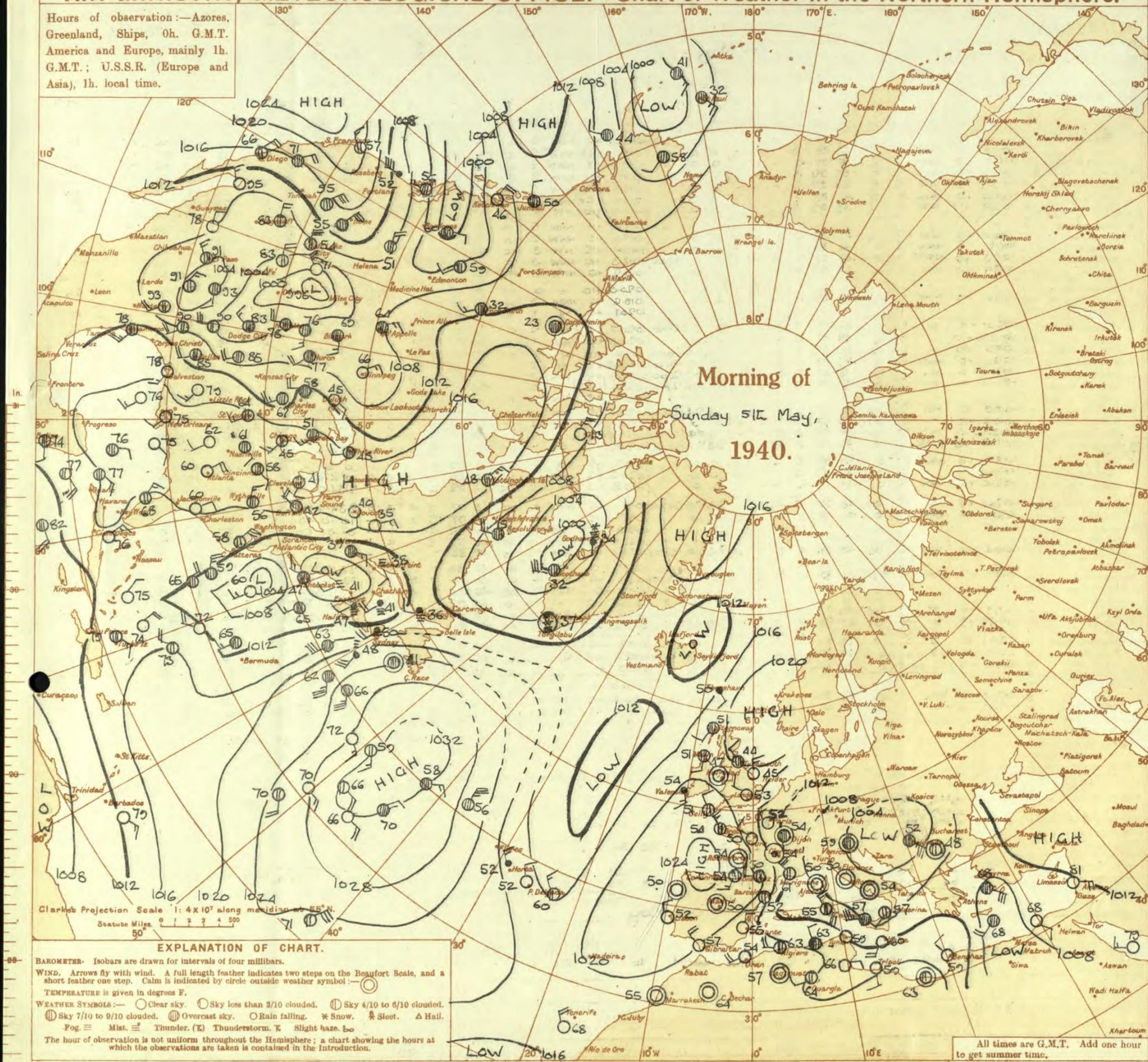
**FURTHER OUTLOOK.**

Fair and rather warm in most districts for two or three days.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Sunday 5th May,  
1940.

Clarke's Projection Scale 1: 4x10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 100 200 300 400 500

### 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. (Z) Thunderstorm. X Slight haze. ∞
- The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 5th May, Observations at 7 hr. G.M.T. 5th May, and Past 24 Hours. Includes sub-tables for London Observations and Foreign Observations.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, and 9h-21h. Includes stations like Kew, Croydon, Greenwich, etc.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Includes stations like Paris, Brussels, Berlin, etc.

EXPLANATION OF FIGURES, LETTERS, etc. table with columns for COLUMNS 2, 16, 4, 18, 30, 34, 35. Includes definitions for barometric tendency, wind scale, and sea state.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

Table with columns for District, Stations, Observations at 13h G.M.T., Observations at 18h G.M.T., and Past 24 Hours. Includes weather symbols and cloud forms.

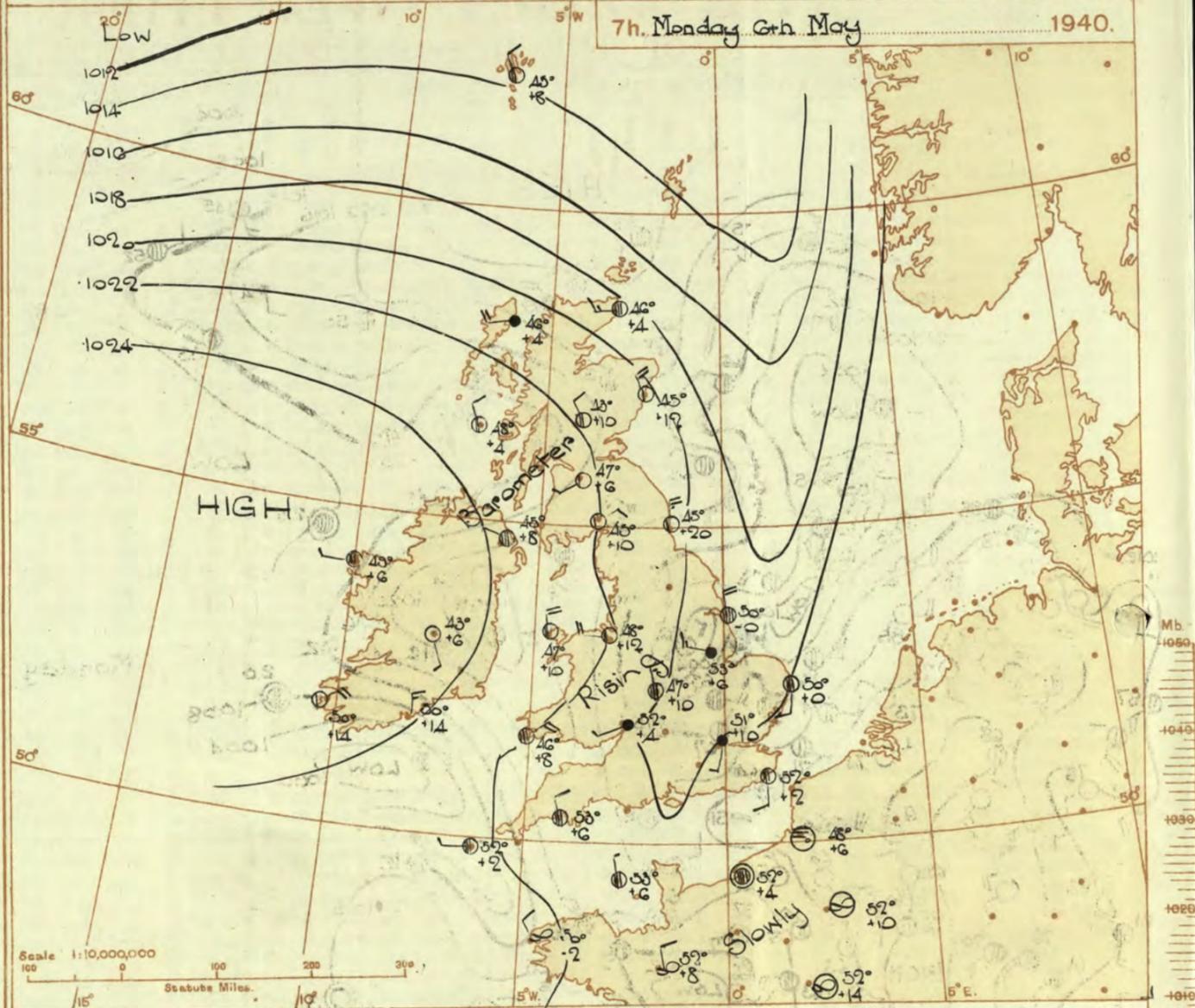
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining weather symbols and cloud forms. Columns include: Columns 5, 19, 37, 38, 39, 40 - Beaufort notation and symbols for weather; Columns 9, 23 - Form of low cloud; Columns 10, 24 - Form of medium cloud; Columns 11, 25 - Form of cirrus cloud; Column 29 - State of ground.

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7th. Monday 6th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th May, 1940.
1 S.E. England	Light variable wind becoming northwest light or moderate; cloudy, rain at first; bright periods and occasional slight showers later; local fog to-night; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable wnd becoming northerly light or moderate; occasional rain or drizzle at first; bright periods later; local coast fog at first; average temperature.
6 South Wales ...	
7 North Wales ...	Moderate north or northwest wind; mainly fair but occasional slight showers; local fog inland to-night; average temperature during day, local ground frost at night.
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.Scot. B.N.W.Scot. land.	
14 Mid Scotland	Moderate or fresh west wind; bright periods and showers at first, cloud increasing with some rain later; average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	Light west or variable wind; fair or fine; rather warm inland during day.
17 N.W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Light variable wind; fair or fine; rather warm inland during day.
20 S. W. Ireland	

BAROMETRE. 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.

### GENERAL INFERENCE.

Pressure is high to west and southwest of the British Isles and a trough of low pressure over the North Sea and Southern England is moving slowly southeast. A depression to northwest of Iceland will probably move eastnortheast. There will be rain at times in the south at first followed by bright periods and occasional slight showers spreading from north. Further rain is probable later in the extreme Northwest. It will be generally cooler than of late.

### FURTHER OUTLOOK.

Fair in the South; unsettled in the North.

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Monday 6th May,  
1940.



## 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. (T) Thunderstorm. T Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include District, Stations, Height above M.S.L., Barom. at M.S.L., Change in 3 hours, Wind (Dir., Force), Weather, Temp. (F., C), Humid. (%), Visibility (mi., km), Cloud (Form, Amount, Height), and Temperature/Rainfall (Max., Min., Day, Night).

LONDON OBSERVATIONS: Day 7h-18h, Kew & Croydon; 9h-18h, Kensington; 9h-21h, other stations except for rainfall which is 9h-18h.

Weather, Temperature, Rainfall, Sun-shine, Humidity, Atmospheric Pollution. Includes columns for Morning, Afternoon, Night, Day Max, Night Min, Min. on Grass, Day, Night, Yesterday, To-day, 24 hrs. ended 7h. G.M.T., and Kew Observatory.

SOUTH KENSINGTON and Kew Observatory tables with columns for Max., Time, Min., Time, 0.1, 2h, 5h, 7-10h, 5h.

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. COLUMNS 6, 22 - Code for surface visibility. COLUMNS 30 - Code for State of Sea.

FOREIGN OBSERVATIONS: 18h. G.M.T. 5th MAY, 7h. G.M.T. 6th MAY, Past 24 Hours. Includes columns for Stations, Barom. mb., Wind (Dir., Force), Weather, Temp. (F., C), Barom. mb., Wind (Dir., Force), Weather, Temp. (F., C), Max. Day (F., C), Min. Night (F., C), Rainfall (Day, Night).

Continuation of foreign observations table with columns for Stations, Barom. mb., Wind (Dir., Force), Weather, Temp. (F., C), Barom. mb., Wind (Dir., Force), Weather, Temp. (F., C), Max. Day (F., C), Min. Night (F., C), Rainfall (Day, Night).

Continuation of explanation of figures, letters, etc. COLUMNS 34, 35: Tr. = rain has fallen, but amount less than 0.1 mm.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

Main data table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Weather for the past 24 hours.

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.

q, squalls. r, rain. s, snow. rs, sleet. t, thunder. u, ugly, threatening sky. v, unusual visibility. w, dew.

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.

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.

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).

Cloud form abbreviations:—

Cirrus,—Ci: Cirrocumulus,—Cc: Cirrostratus,—Cs: Altostratus,—As: Strato-cumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

- 0 No cirriform cloud. 1 Fine Ci not increasing: sparse. 2 Fine Ci not increasing: abundant but not a continuous layer.

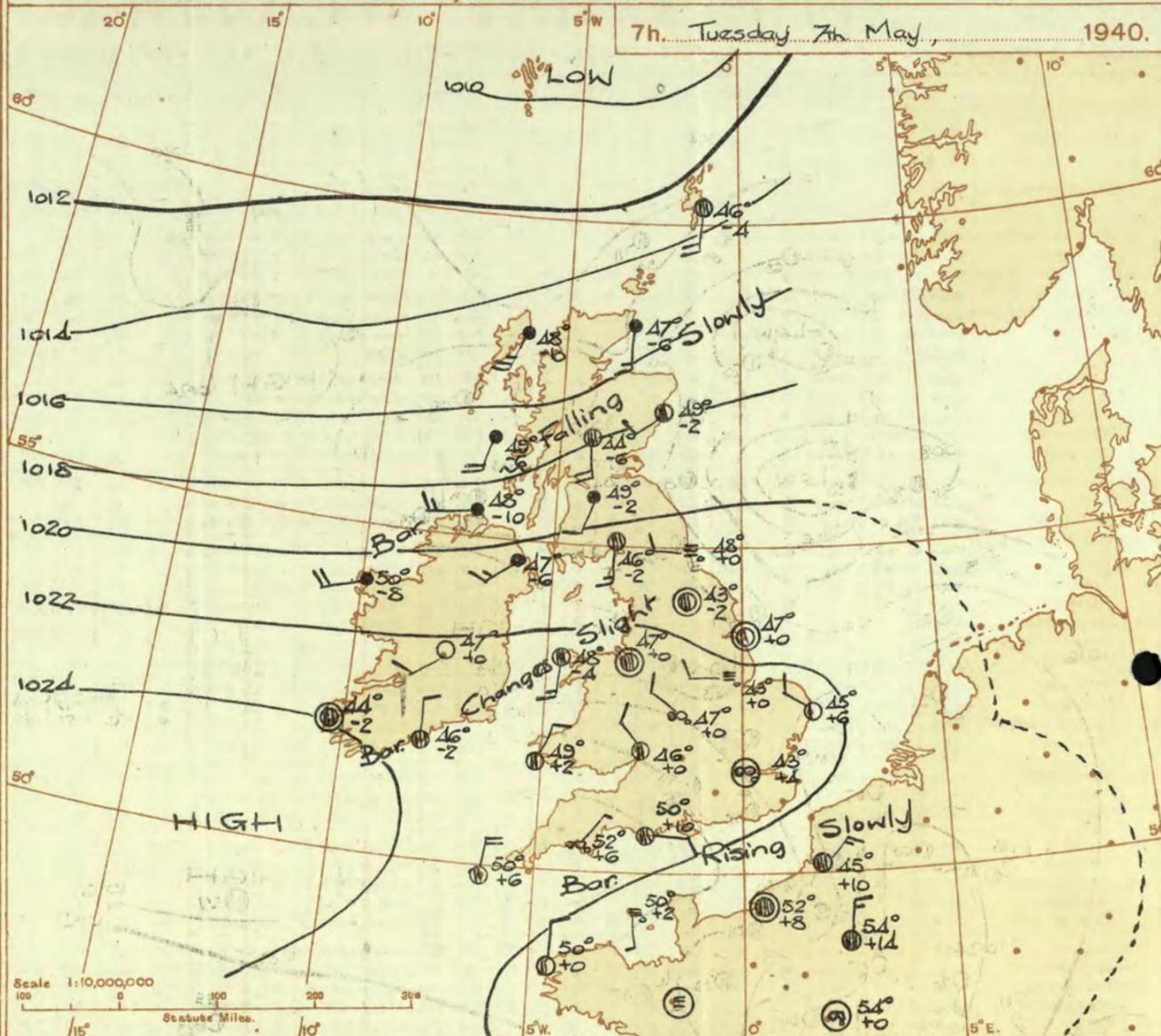
COLUMN 29.—STATE OF GROUND.

- 0 .. Ground dry. 1 .. .. wet. 2 .. .. flooded. 3 .. .. frozen hard and dry.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

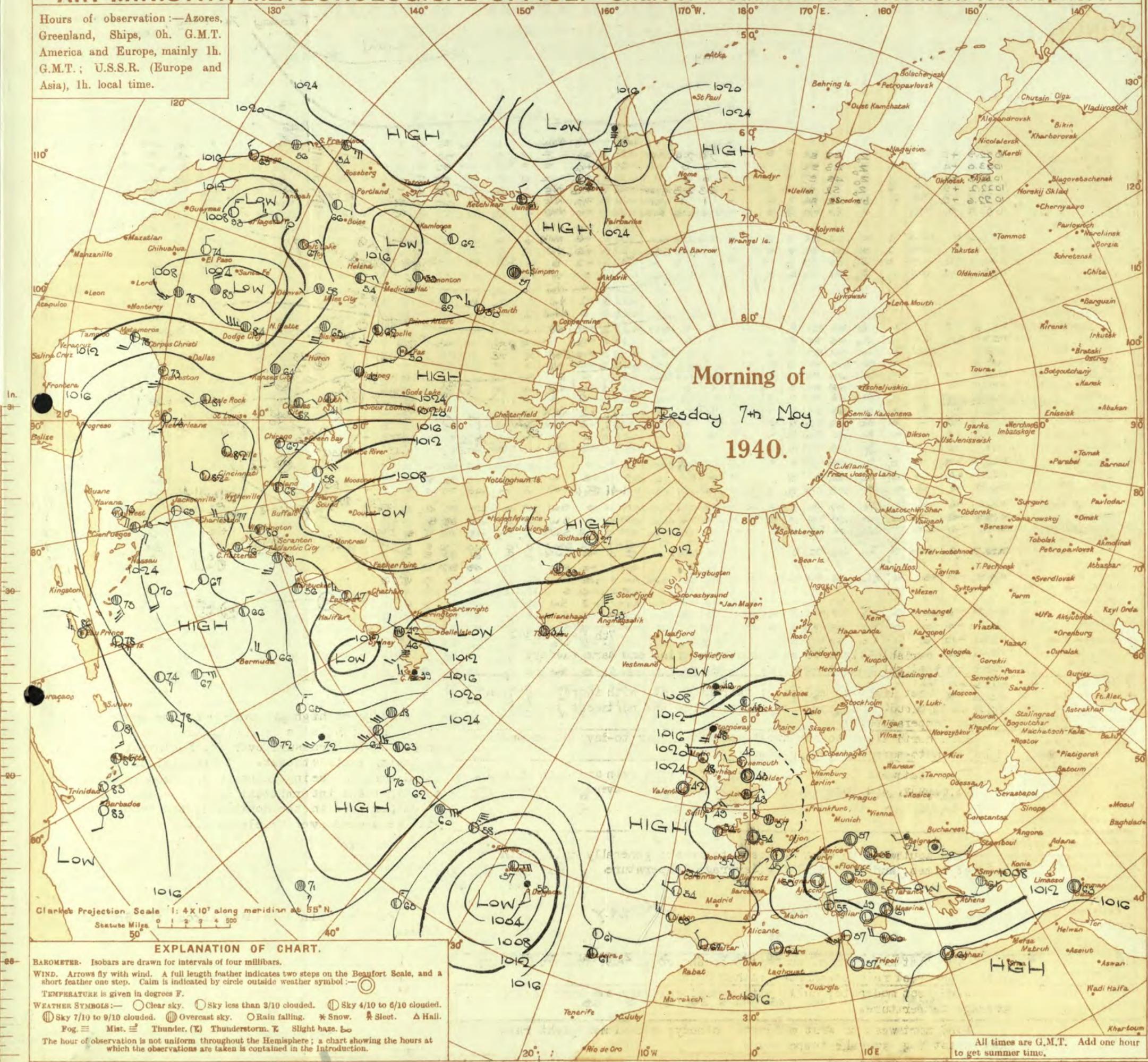
7h. Tuesday 7th May, 1940.



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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Tuesday 7th May  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (≡) Thunderstorm. ≡ Slight haze. ≡  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

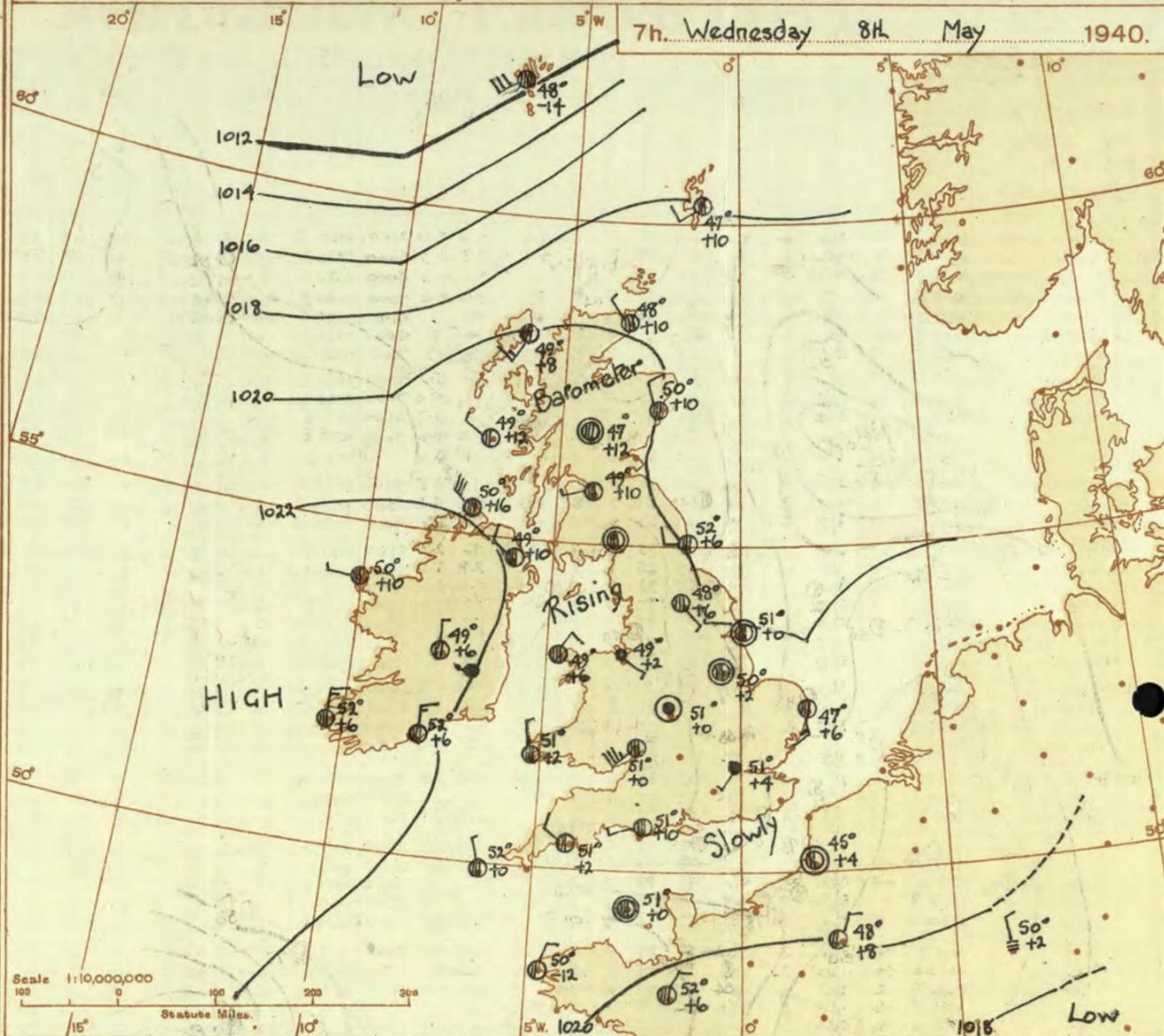
All times are G.M.T. Add one hour to get summer time.





AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 8th May 1940.



Mb  
1050  
1040  
1030  
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1010  
1000  
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980  
970  
960  
950

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th May, 1940.
1 S.E. England	Wind variable light; cloudy, with occasional local rain at first; improving slowly later; rather close.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind northeast to north light; cloudy, with occasional light local rain at first: average temperature.
6 South Wales ...	
7 North Wales ...	Wind northwest to west light; cloudy; some bright intervals; average temperature.
8 N.W. England	
9 N. Midlands ...	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	Wind northwest light to west moderate; cloudy; some bright intervals; occasional light rain in west to-morrow; average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	Wind west moderate, fresh locally later; cloudy; occasional light rain later; average temperature.
14 Mid Scotland	
15 N. E. Scotland	Wind west moderate, increasing to fresh or strong in Shetlands; cloudy; some rain later; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind variable light; cloudy, with some bright intervals; occasional light rain in North and West; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

A complex trough of low pressure is moving slowly southeast over Wales and England, followed by a ridge of high pressure. Another trough of low pressure is approaching Scotland and Ireland from the west. Weather will be cloudy in Wales and England, with occasional local rain; a slow improvement will spread from the northwest. Weather will be fair at first in Scotland and Ireland, with light rain spreading from the west later.

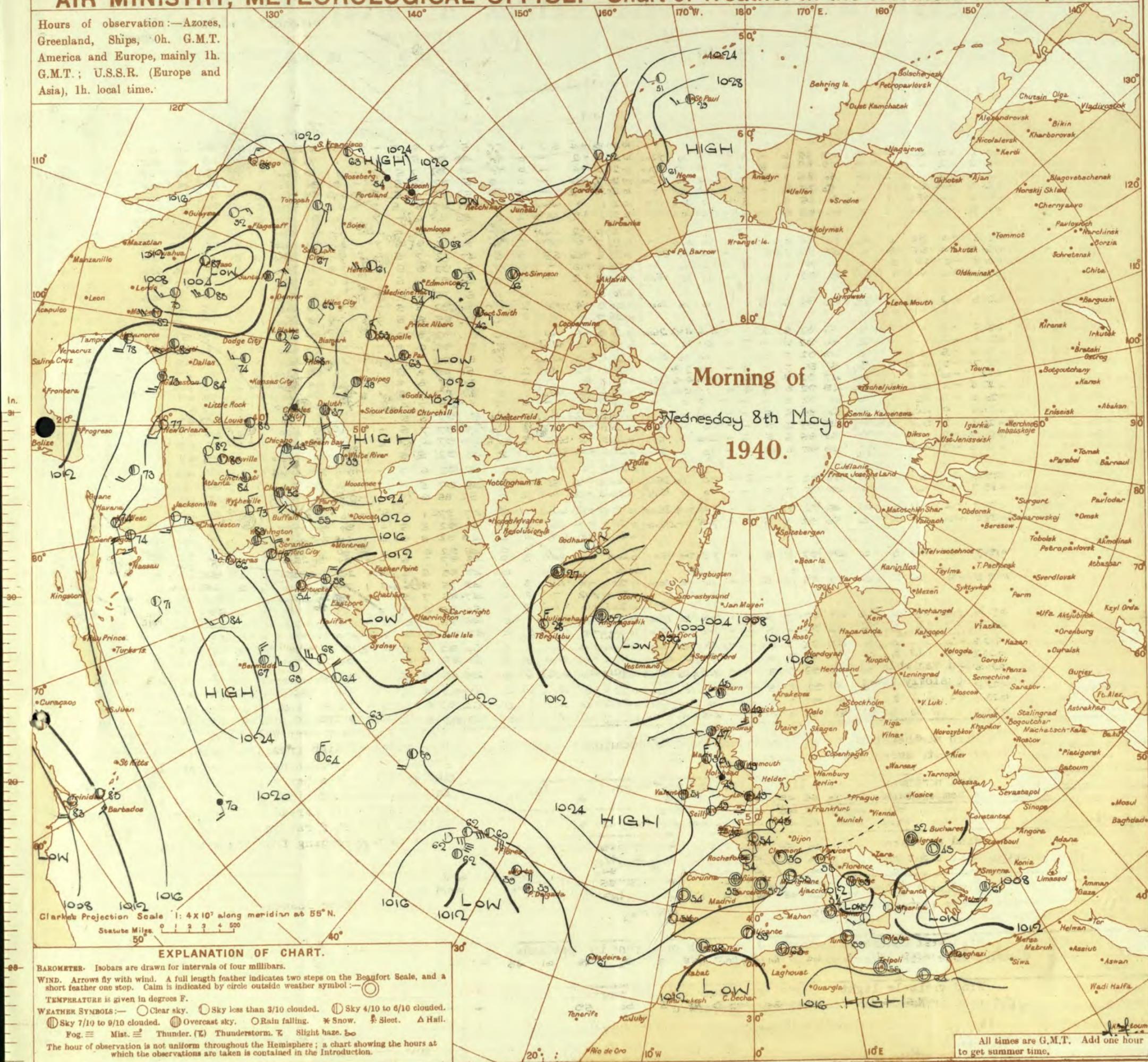
**FURTHER OUTLOOK.**

None issued.

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Wednesday 8th May  
1940.

Clark's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include Station, Barom., Wind, Temp., Humid., Cloud, and various weather codes.

LONDON OBSERVATIONS table with columns for Morning, Afternoon, Night, Day, Night, Min. on Grass, Day, Night, Sunsh., Humidity, and Atmospheric Pollution.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and other weather data for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. section containing codes for barometric tendency, surface visibility, Beaufort scale, state of sea, and rainfall.

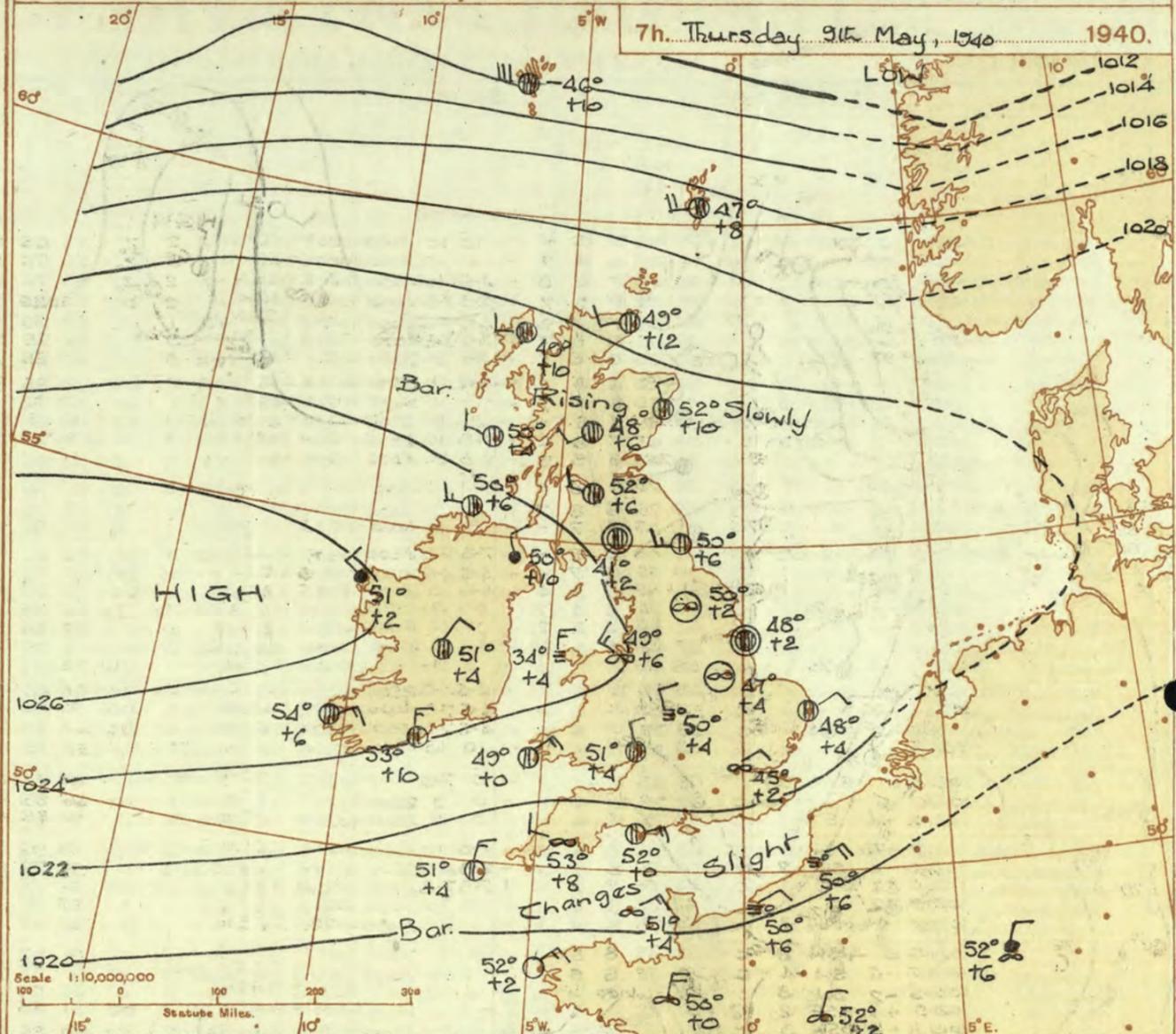
# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
Thursday 9th May 1940.  
No 28658

OBSERVATIONS at 13h. G.M.T. 8th May														OBSERVATIONS at 18h. G.M.T. 8th May														PAST 24 HOURS.						
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	WEATHER.							
				Dirac.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Form.			Amount.	Height of Base. (feet) (28)					Dirac.	Force.	Form.	Amount.		Height of Base. (feet) (28)	7h.—18h. 8th. (37)	13h.—18h. 8th. (38)	18h.—to 9h. 9th. (39)	1h.—7h. 9th. (40)			
1	London (Kew) ...	020.6	-6	N	1	N	58	65	5	5	10	10	4000	020.7	+2	N	1	N	58	65	5	5	10	10	2500	1	cm	cm	cbcbmo	bcmw				
	Croydon ...	020.3	-10	N	1	N	60	65	6	4	7	10	4000	020.5	+2	N	1	N	56	75	5	5	7	10	5700	1	cm	bric	bcbz	cm				
	S. Farnborough	020.1	-6	N	1	N	62	65	7	3	3	4	10	4000	020.5	+4	N	2	58	75	6	5	3	3	2500	0	cm	cm	cmjmdo	bcwcom				
	Boscombe Down	020.3	-6	N	1	N	60	65	7	2	7	2	7	4000	019.7	-2	N	1	62	55	7	7	3	3	2500	0	cm	bcy	cm	cmjmdo	bcwcom			
	Calshot (Soton.)	020.3	-6	N	1	N	60	65	7	2	7	2	7	4000	020.0	-2	N	1	62	55	7	7	3	3	2500	0	cm	bcy	cm	cmjmdo	bcwcom			
	Lymington	021.0	-6	N	1	N	56	65	8	2	7	2	7	4000	020.8	0	N	1	51	65	9	3	3	3	2500	0	cm	bcy	cm	cmjmdo	bcwcom			
	Manston	021.3	-6	N	1	N	55	65	6	5	3	3	2	2000	021.1	+6	N	2	49	85	7	3	3	3	2500	0	cm	bcy	cm	cmjmdo	bcwcom			
2	Shoeburyness ...	020.7	+2	N	1	N	55	65	6	5	3	3	2	2500	021.4	+2	N	1	50	85	8	3	3	3	2500	1	bc	bc	bc	cm				
	Felixstowe ...	021.7	+2	N	1	N	52	65	6	1	7	1	1	1500	021.8	+2	N	1	49	85	8	3	3	3	2500	0	bc	bc	bc	cm				
	Gorleston ...	021.3	+2	N	1	N	50	65	7	5	2	2	2	2500	022.1	0	N	1	48	85	7	3	3	3	2500	1	bc	bc	bc	cm				
	Mildenhall ...	020.7	-2	N	1	N	59	65	7	8	2	2	2	2500	021.0	+2	N	1	53	75	7	3	3	3	2500	1	bc	bc	bc	cm				
	Cranwell ...	021.0	-2	N	1	N	60	65	6	5	3	3	2	4000	020.9	+4	N	1	53	65	7	5	3	3	4000	0	cm	bcy	cm	cmjmdo	bcwcom			
3	Birmingham ...	021.3	0	N	1	N	53	75	5	5	3	3	10	2000	021.2	0	N	1	57	75	6	3	3	3	2500	1	bc	bc	bc	cm				
	Upper Heyford	020.6	-6	N	1	N	53	75	6	8	7	7	9	4000	020.8	+2	N	1	58	75	6	5	3	3	4000	1	bc	bc	bc	cm				
4	Ross-on-Wye ...	020.4	-4	N	1	N	61	65	8	7	3	3	9	4000	020.3	0	N	1	61	65	6	2	3	3	4000	1	bc	bc	bc	cm				
5	Hartland Point ...	020.9	-4	N	1	N	53	65	8	8	3	3	7	2500	020.7	-4	N	1	52	85	8	1	4	4	2	2500	0	bc	bc	bc	cm			
	Bristol ...	020.9	-2	N	1	N	59	65	6	7	3	3	4	4000	020.3	-2	N	1	61	65	7	5	3	3	2500	0	bc	bc	bc	cm				
	Portland Bill ...	020.0	-10	N	1	N	55	65	8	5	4	4	4	4000	019.5	-8	N	1	52	85	8	5	3	3	4000	0	bc	bc	bc	cm				
	Plymouth ...	020.6	-6	N	1	N	55	75	8	5	7	7	9	2500	020.1	-4	N	1	55	85	7	8	3	3	2500	0	bc	bc	bc	cm				
	The Lizard ...	021.1	-6	N	1	N	57	65	8	8	2	2	9	1500	020.5	-2	N	1	57	85	8	8	6	6	2500	0	bc	bc	bc	cm				
	Scilly (St. Mary's)	021.6	0	N	1	N	57	65	7	8	7	7	2	1500	021.1	-4	N	1	55	85	7	8	4	4	2500	0	bc	bc	bc	cm				
	Guernsey ...	020.0	-4	N	1	N	58	65	7	7	3	3	0	9	1019.4	-4	N	1	56	65	8	7	7	7	1500	0	bc	bc	bc	cm				
6	Pembroke ...	021.2	0	N	1	N	58	75	8	8	7	7	4	2500	022.1	+2	N	1	54	65	8	1	7	7	2	2500	1	bc	bc	bc	cm			
	Holyhead ...	022.4	+2	N	1	N	52	65	8	3	3	3	4	4000	022.8	+2	N	1	50	85	8	3	4	4	2	2500	1	bc	bc	bc	cm			
	Chester (Sealand)	021.9	+2	N	1	N	55	75	7	8	7	7	4	1500	022.6	+6	N	1	54	85	7	7	3	3	4	2500	1	bc	bc	bc	cm			
	Manchester ...	021.3	0	N	1	N	55	65	5	5	3	3	10	1300	021.6	+2	N	1	56	65	6	6	6	6	2500	0	bc	bc	bc	cm				
10	Spurn Head ...	021.3	0	N	1	N	53	65	6	7	3	3	0	78	021.5	0	N	1	49	85	7	1	1	1	10	4000	1	bc	bc	bc	cm			
	Catterick ...	020.7	0	N	1	N	53	75	8	5	3	3	9	2500	021.7	+8	N	1	56	85	4	5	5	5	10	4000	1	bc	bc	bc	cm			
	Tynemouth ...	021.2	+2	N	1	N	54	65	6	8	3	3	9	2500	021.9	+2	N	1	60	85	6	6	6	6	9	2500	0	bc	bc	bc	cm			
11	St. Abbs Head ...	021.7	+4	N	1	N	48	92	8	5	2	2	7	10	1500	021.4	-4	N	1	48	92	8	5	6	6	4	2500	1	bc	bc	bc	cm		
	Leuchars ...	021.6	-4	N	1	N	56	75	8	7	7	7	2	4	2500	020.7	-4	N	1	58	75	8	4	4	4	1	2500	1	bc	bc	bc	cm		
	Renfrew (Abbots L.)	021.2	+2	N	1	N	62	65	9	7	7	7	1	78	021.3	+2	N	1	60	55	9	2	4	4	2	2500	0	bc	bc	bc	cm			
	Eskdalemuir ...	020.9	+2	N	1	N	54	65	8	6	3	3	10	10	1500	021.1	+2	N	1	57	75	8	5	5	5	2500	0	bc	bc	bc	cm			
	Point of Ayre ...	021.9	0	N	1	N	56	75	8	4	4	4	1	23	4000	022.3	0	N	1	53	85	8	4	4	4	2500	0	bc	bc	bc	cm			
13A	Tiree ...	021.6	0	N	1	N	53	75	8	5	3	3	9	2500	022.0	0	N	1	51	92	7	5	5	5	9	2500	0	bc	bc	bc	cm			
13B	Stornoway ...	019.6	-6	N	1	N	54	75	8	5	3	3	10	2000	020.4	+4	N	1	51	85	8	5	2	2	4	2500	1	bc	bc	bc	cm			
15	Dalwhinnie ...	020.8	-2	N	1	N	58	65	8	6	2	2	0	78	021.9	+4	N	1	55	65	8	4	6	6	1	78	4000	0	bc	bc	bc	cm		
	Aberdeen ...	021.5	+4	N	1	N	50	65	7	6	2	2	2	10	1500	020.8	-4	N	1	51	85	7	5	4	4	2500	0	bc	bc	bc	cm			
	Wick ...	019.3	-6	N	1	N	51	65	9	5	2	2	4	8	2500	019.6	+4	N	1	50	85	8	5	7	7	7	2500	1	bc	bc	bc	cm		
	Lerwick ...	018.0	-2	N	1	N	50	65	8	5	3	3	7	8	1500	018.0	0	N	1	47	92	6	6	2	2	7	8	10	800	0	bc	bc	bc	cm
17	Blacksod Point ...	024.3	+2	N	1	N	55	65	9	3	3	3	4	78	1500	025.0	+4	N	1	52	92	7	6	6	6	10	10	1500	1	bc	bc	bc	cm	
18	Malin Head ...	022.7	+4	N	1	N	53	75	8	7	5	5	4	78	5700	023.7	+6	N	1	51	92	6	6	6	6	9	9	4000	0	bc	bc	bc	cm	
	Aldergrove ...	022.4	-2	N	1	N	57	65	8	7	4	4	4	4	4000	022.8	+4	N	1	58	65	9	5	5	5	4	9	4000	1	bc	bc	bc	cm	
19	Birr Castle ...	023.3	-2	N	1	N	58	65	8	4	3	3	7	78	2500	022.9	0	N	1	61	55	8	3	3	3	7	78	2500	1	bc	bc	bc	cm	
	Valentia Obay ...	023.8	-2	N	1	N	58	75	9	8	5	5	6	9	2500	024.2	+2	N	1	58	75	9	7	7	7	2	2	2500	0	bc	bc	bc	cm	
	Roches Point ...	022.9	-2	N	1	N	58	75	9	8	5	5	5	4	78	2500	022.9	0	57	75	9	6	6	6	4	4	2500							

# AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th May, 1940.
1 S.E. England	Winds variable or easterly, light; variable cloud and bright intervals, a few scattered fog patches inland and on southeast coast in early morning; warm day temperatures.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Wind northwest, light; cloudy, with some bright intervals; scattered light rain today; average temperature.
8 N.W. England	Wind variable, light; fair; local morning fog; average temperature or rather warm.
9 N. Midlands ...	
10 N.E. England	As 14 - 15.
11 S.E. Scotland	Wind west, light to moderate; a few light showers; average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Wind west or variable light; fine; local coast fog today; rather warm day temperatures.
14 Mid Scotland	
15 N. E. Scotland	Wind west, moderate; occasional showers; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind variable, light; cloudy, with some bright intervals; light local rain in the north today; mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

A ridge of high pressure is intensifying over the British Isles. There will be variable cloud and bright intervals in most districts, with a few scattered light showers in Northwestern districts.

**FURTHER OUTLOOK.**

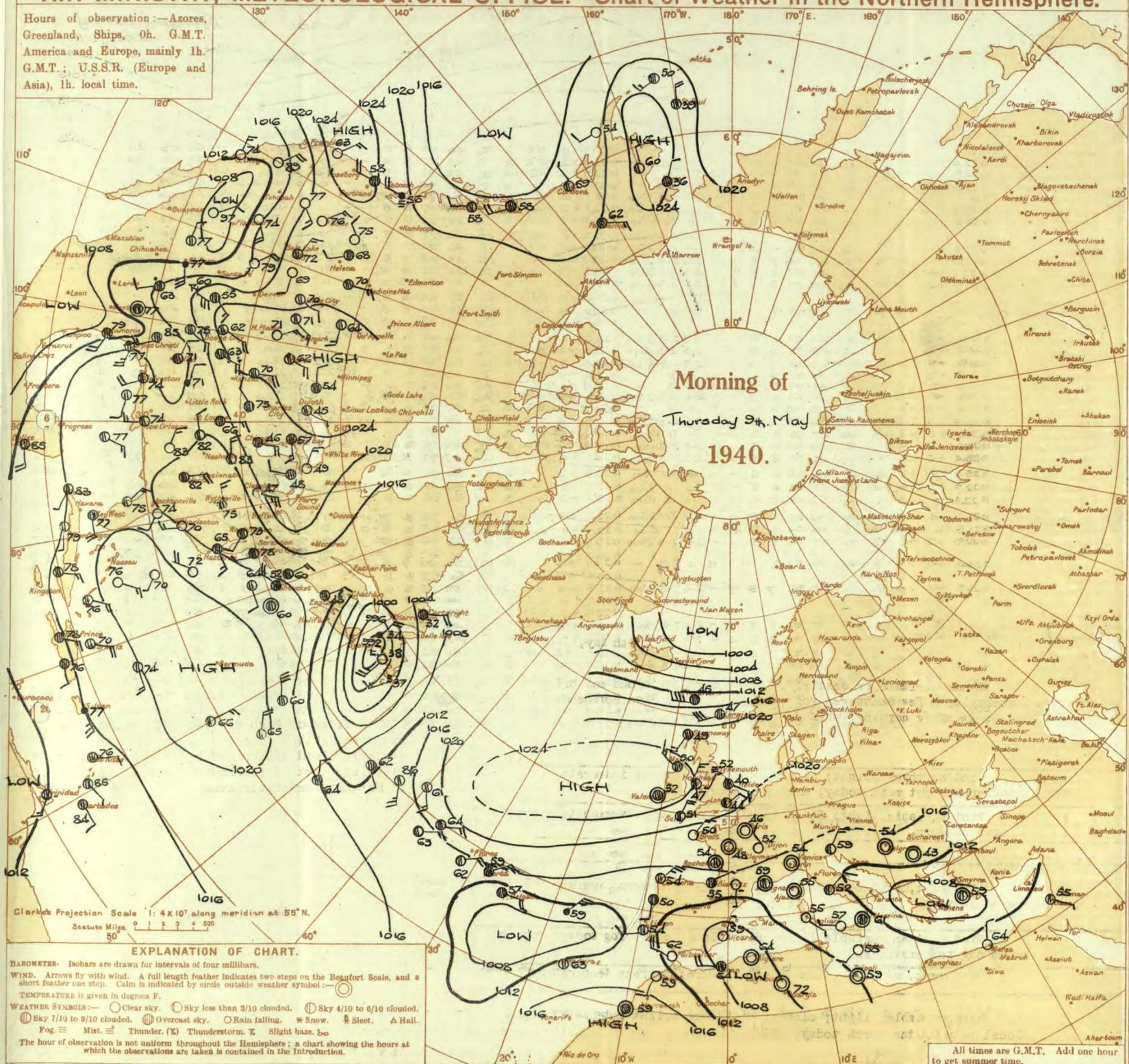
Mainly fair.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Thursday 9th. May  
1940.

Clarke's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with 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. (T) Thunderstorm. T Slight haze. ⚡

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for DISTRICT, STATIONS, OBSERVATIONS at 1 hr. G.M.T., OBSERVATIONS at 7 hr. G.M.T., and PAST 24 HOURS. Includes sub-columns for Wind, Cloud, Temp., Humid., and Rainfall.

LONDON OBSERVATIONS table with columns for Day, Night, Min., Max., and other weather metrics for various London locations.

FOREIGN OBSERVATIONS table with columns for STATIONS, Barom., Wind, Weather, Temp., and other metrics for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 18, 30, and 34, 35.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

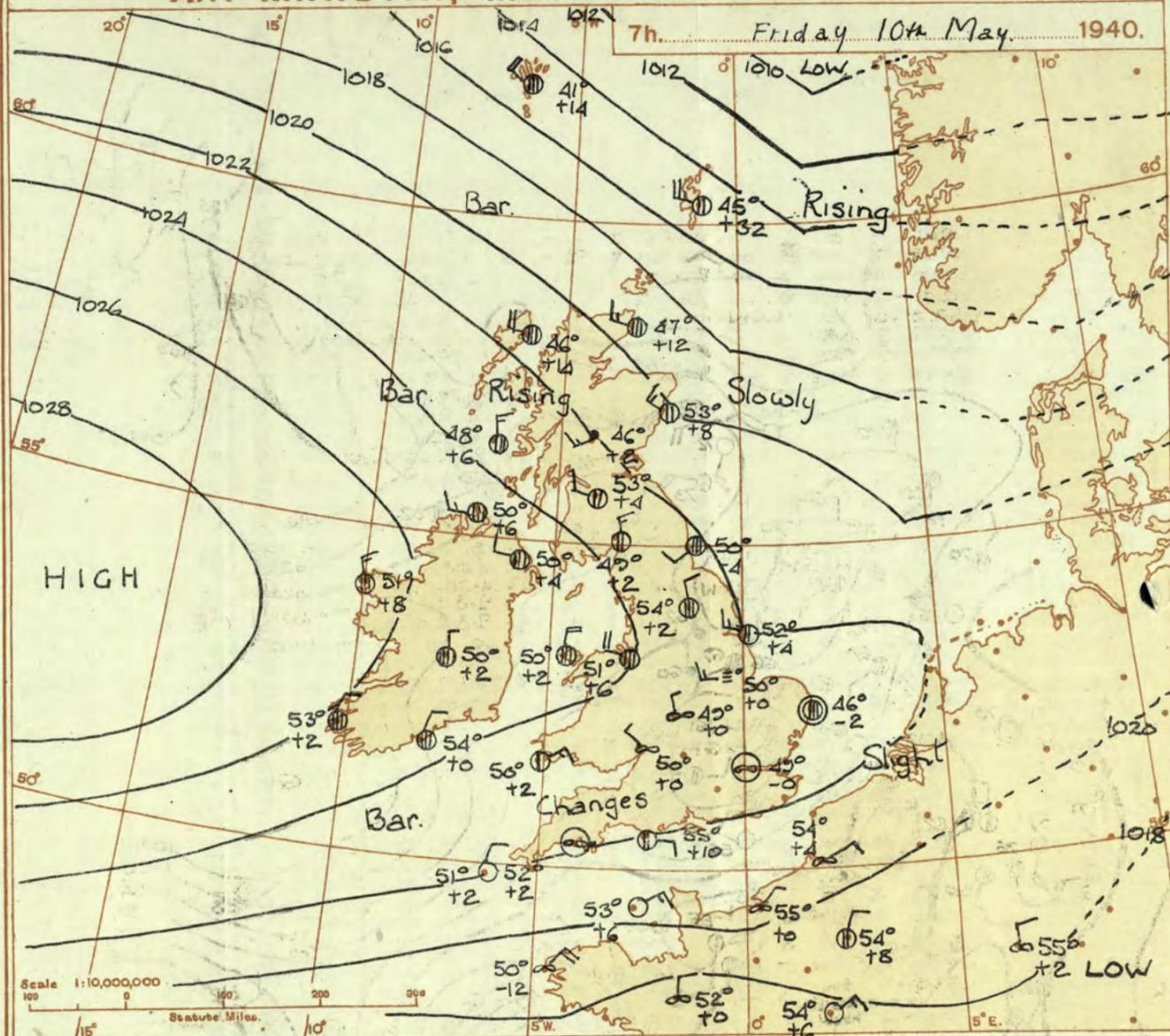
Table with columns for District, Stations, Observations at 13h G.M.T. 3rd May, Observations at 18h G.M.T. 3rd May, and Past 24 Hours. Includes weather codes and symbols.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining weather symbols and abbreviations. Columns include: COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER; COLUMNS 9, 23.—FORM OF LOW CLOUD; COLUMNS 10, 24.—FORM OF MEDIUM CLOUD; COLUMNS 11, 25.—FORM OF CIRRUS CLOUD; COLUMNS 12, 13, 26, 27.—FORM OF CLOUD AMOUNT; COLUMNS 28, 29.—STATE OF GROUND.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th May, 1940.

1 S.E. England	Light variable winds, becoming north, light to moderate; fine at first, more cloud later, with local showers near East Coast; rather warm, becoming cool later.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate northwest wind, veering north; mainly fair; becoming cooler.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light to moderate northwest wind; bright intervals, local showers; becoming cooler, with slight ground frost locally tonight.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Moderate northwest wind; bright intervals, local showers; cool, slight ground frost locally at night.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 7 - 12.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

GENERAL INFERENCE.

An anticyclone is centred to west of Ireland and a depression off Central Norway is moving east. There will be bright intervals and local showers in the North, but weather will be mainly fair elsewhere, apart from local showers near the East Coast.

FURTHER OUTLOOK.

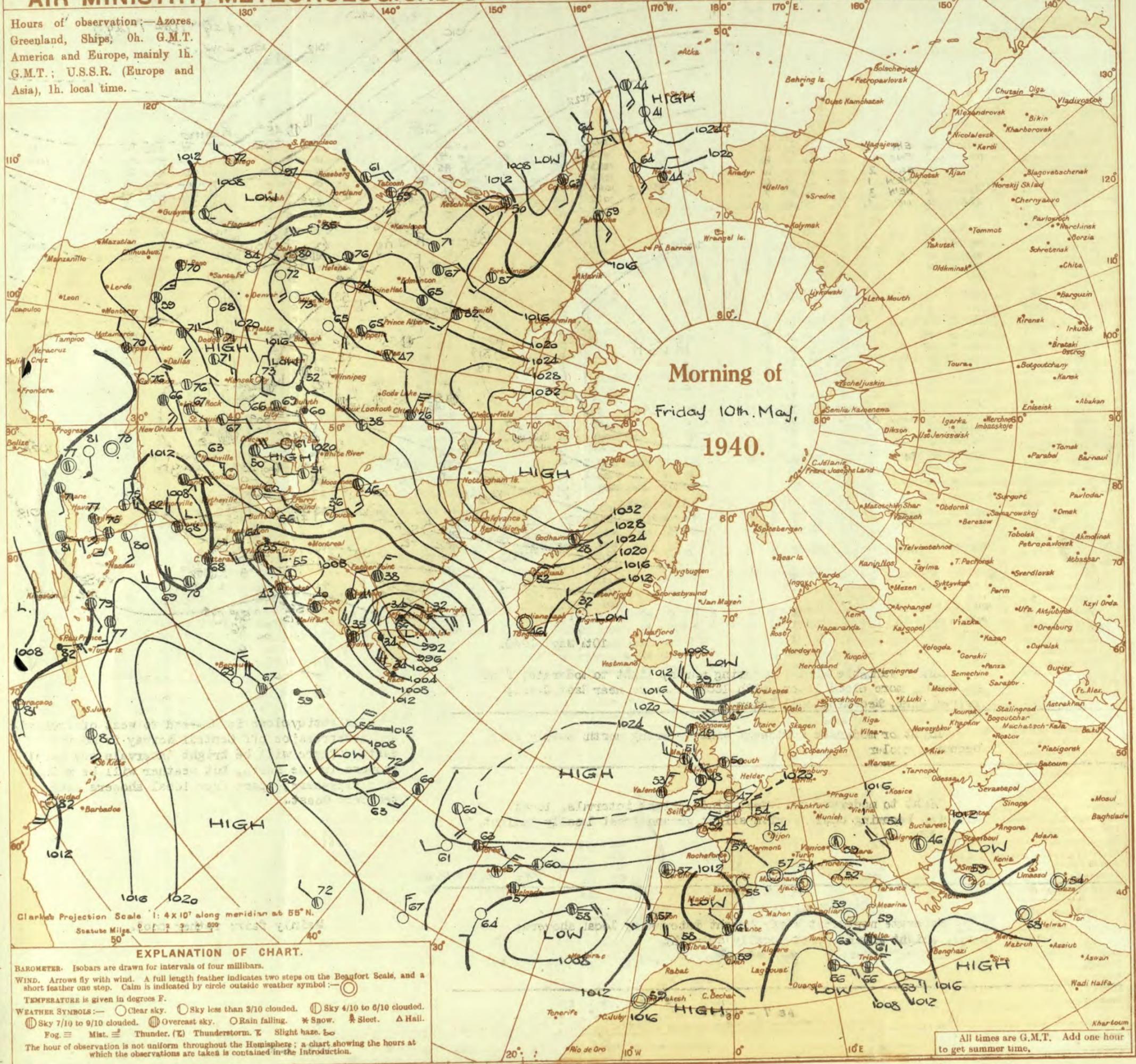
Mainly fair; rather cool.

Forecasts issued at 1030 G.M.T.  
H.M.S.O. Press, Cornhill House, S.E.1.

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

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

Hours of observation:—Azores, Greenland, Ships; Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Friday 10th. May,  
1940.

Clark's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 5 6 7 8 9 10

### 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. Δ Hail. Fog ≡ Mist. ⚡ Thunder. (⚡) Thunderstorm. ⚡ Slight haze. ∞

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 10th May, Observations at 7 hr. G.M.T. 10th May, and Past 24 Hours. Includes data for various locations like London, Birmingham, and Manchester.

LONDON OBSERVATIONS table with columns for Day 7h-18h, Kew & Croydon, 9h-18h, Kensington, 9h-21h, other stations except for rainfall which is 9h-18h.

Table with columns for Weather, Temperature, Rainfall, Sunshine, Humidity, Atmospheric Pollution, and South Kensington. Includes sub-sections for Kew Observatory and South Kensington.

EXPLANATION OF FIGURES, LETTERS, etc. section containing columns 2, 16, 18, 22, 30, 34, 35 with detailed descriptions of weather symbols and codes.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Temp., and Rainfall. Lists Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h. G.M.T. 9th May, 7h. G.M.T. 10th May, and Past 24 Hours. Includes data for Paris, Brussels, Berlin, Zurich, and Rome.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h. G.M.T., Observations at 18h. G.M.T., and Past 24 Hours. Includes data for various locations like London, Birmingham, and Plymouth.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud). bc, sky partly cloudy (one half covered). c, generally cloudy. d, drizzle. e, wet air. g, gloom. f, fog, visibility 220-1100 yds. F, thick fog, less than 220 yds. fa, low fog over sea (coast station). fg, low fog over land (inland station). m, mist, visibility 1100-2200 yds. h, hail. i, intermittent. jf, fog at a distance, but not at station. jp, precipitation within sight of station. ks, storm of drifting snow. k/s, slight storm of drifting snow (generally low). k/S, heavy storm of drifting snow (generally low). s/k, slight storm of drifting snow (generally high). S/k, heavy storm of drifting snow (generally high). KQ, line squall. l, lightning. o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow. rs, sleet. t, thunder. u, ugly, threatening sky. v, unusual visibility. w, dew. x, hoar frost. y, dry air. z, dust haze: the turbid atmosphere of dry weather. h(r), "hail" or "rain and hail." Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain. rr, continuous rain. <, less than (for cloud height). %gale. ⊙ Solar halo. ⊙ Lunar halo. ⊙ Aurora. With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14. Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings. † See disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

Cloud form abbreviations:—

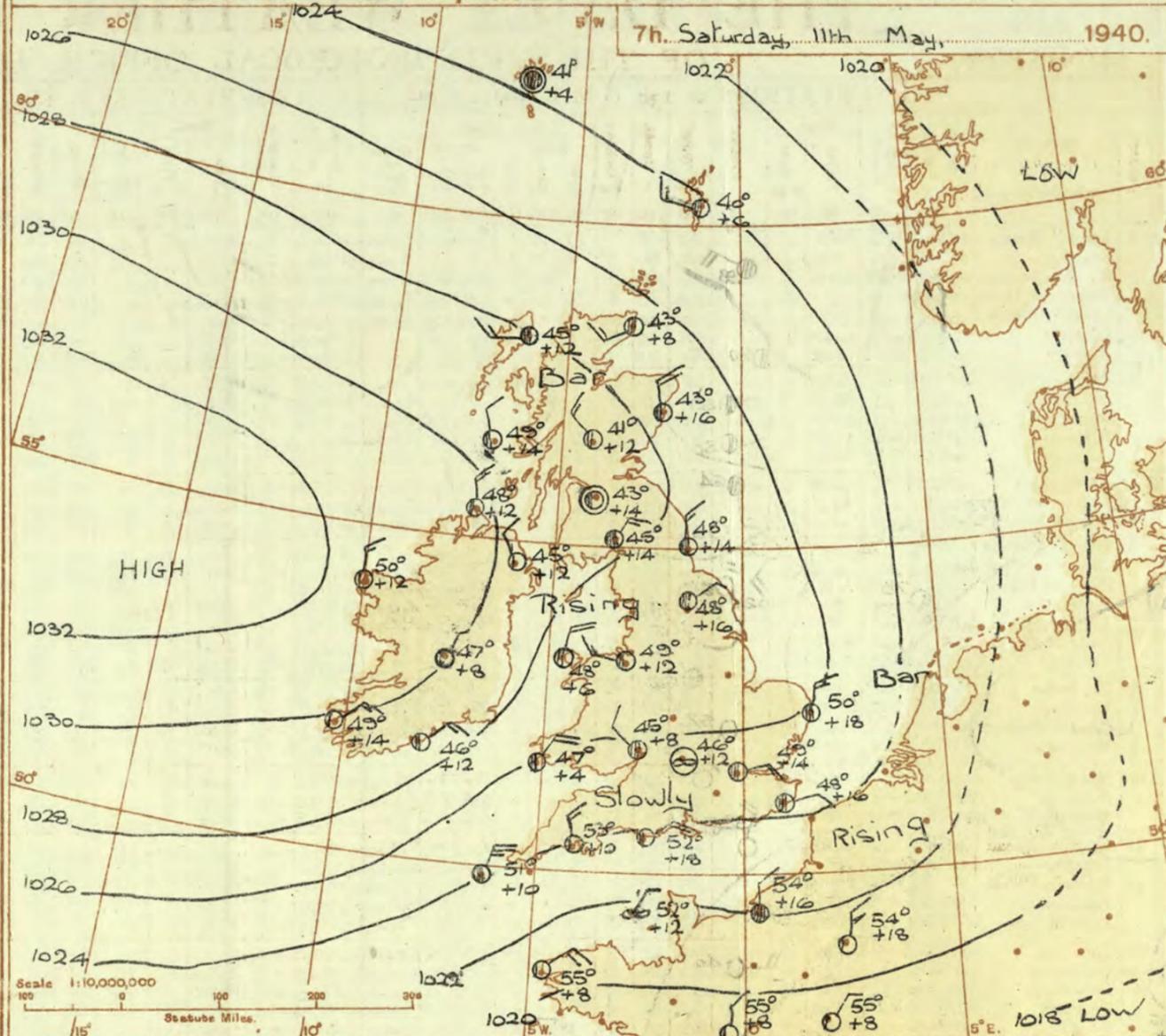
Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Altopcumulus, -Ac: Altostratus, -As: Stratocumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb.

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.

AIR MINISTRY, METEOROLOGICAL OFFICE.



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DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th May, 1940.
1 S.E. England	Moderate northeast wind, fresh locally on coasts; mainly cloudy, slight local showers near the East Coast; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate northeast wind, fresh locally on coasts; fair or fine; cool, slight ground frost locally at night.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Light or moderate north wind; fair or fine; average temperature; slight ground frost at night.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light or moderate north wind, bright intervals; slight local showers near coast; cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 9.
13 { A.W.Scotld. B.N.W.Scotland.	Moderate west to northwest wind; bright intervals, local showers; cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	As 7 - 9.
17 N. W. Ireland	As 4 6.
18 N. E. Ireland	
19 S. E. Ireland	As 4 6.
20 S. W. Ireland	

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.

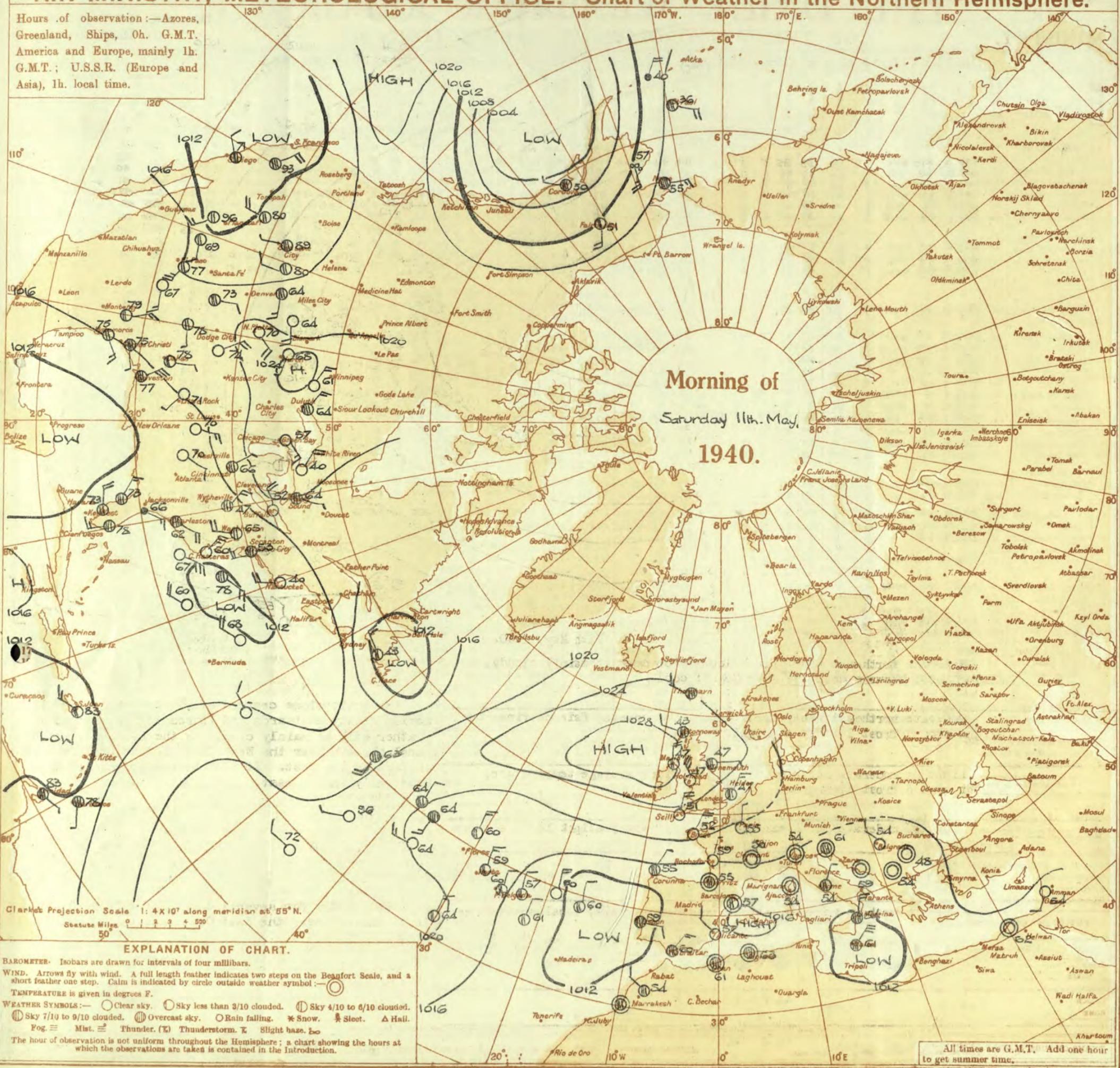
**GENERAL INFERENCE.**  
An anticyclone centred off Northwest Ireland is moving slowly eastwards and increasing in intensity. Weather will be mainly cloudy in the East with slight local showers near the East Coast but it will be fair or fine in the West. It will be cooler than of late especially in the east.

**FURTHER OUTLOOK.**  
Mainly dry for several days, apart from slight local showers near the East Coast and in the extreme North.

Forecasts issued at 1030.  
N. K. JOHNSON, D.Sc., A.R.C.S.,  
Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clark's Projection Scale 1:4x10<sup>7</sup> along meridian at 55°N.  
 Statute Miles 0 10 20 30 40 50

## 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. Δ Hail. Fog ≡ Mist. ⚡ Thunder. ⚡ Thunderstorm. ⚡ Slight haze. ⚡  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main weather observation table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, Barom. at M.S.L., Change in 3 hours, Wind, Weather, Temp., Humid., Visibility, Cloud, Barom. at M.S.L., Change in 3 hours, Wind, Weather, Temp., Humid., Visibility, Cloud, Sea, Max. Day, Min. Night, Min. on Grass, Day, Night, Sun-shine.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Sun-shine, Humidity, Visibility.

Table with columns for Morning, Afternoon, Night, Day Max., Night Min., Min. on Grass, Day, Night, Yesterday, To-day.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 30, COLUMNS 34, 35.

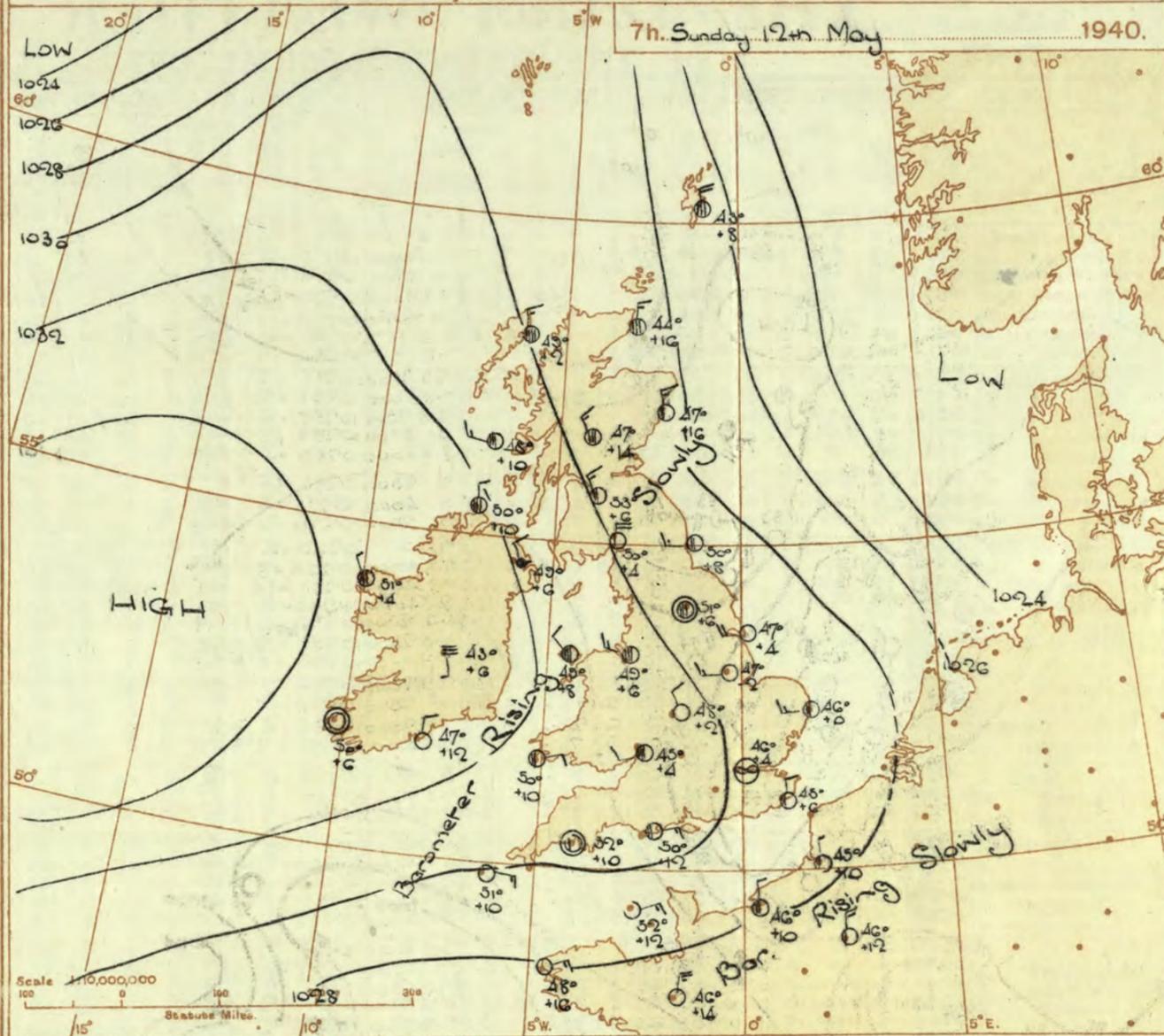
FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., Barom., Wind, Weather, Temp., Max. Day, Min. Night, Rainfall.

Table with columns for 18h. G.M.T., 7h. G.M.T., Past 24 Hours.

Table with columns for 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13-18, 19-24, 25-31, 32-38, 39-46, 47-54, 55-63, 64-75, 76.



AIR MINISTRY, METEOROLOGICAL OFFICE.



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900

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th May, 1940.
1 S.E. England	Light or moderate northwest wind, backing west; mainly fair; local showers near the East Coast; rather cool; ground frost locally tonight.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light to moderate north wind, backing northwest; fair; average day temperature; ground frost locally tonight.
5 S.W. England	
6 South Wales ...	Light to moderate northwest wind, backing west to southwest; mainly fair; cool; ground frost locally tonight.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light to moderate northwest wind, backing southwest tomorrow and freshening; bright intervals and local showers today; occasional rain tomorrow; cool, ground frost locally tonight.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Light to moderate north wind, backing northwest; mainly fair; local drizzle tomorrow; average day temperature; ground frost locally tonight.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Light to moderate north wind, backing northwest; mainly fair; local drizzle tomorrow; average day temperature; ground frost locally tonight.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

An anticyclone is centred to west of Ireland and an associated ridge extends to east of Iceland. A feeble trough of low pressure over South Scotland is moving south and a depression indicated off West Iceland will move east and then southeast. Weather will be fair at first apart from local showers in the North and near the East Coast but rain will reach Northern districts tomorrow from the west..

**FURTHER OUTLOOK.**

Occasional rain in the North extending southeast slowly; mainly fair in the Southwest.

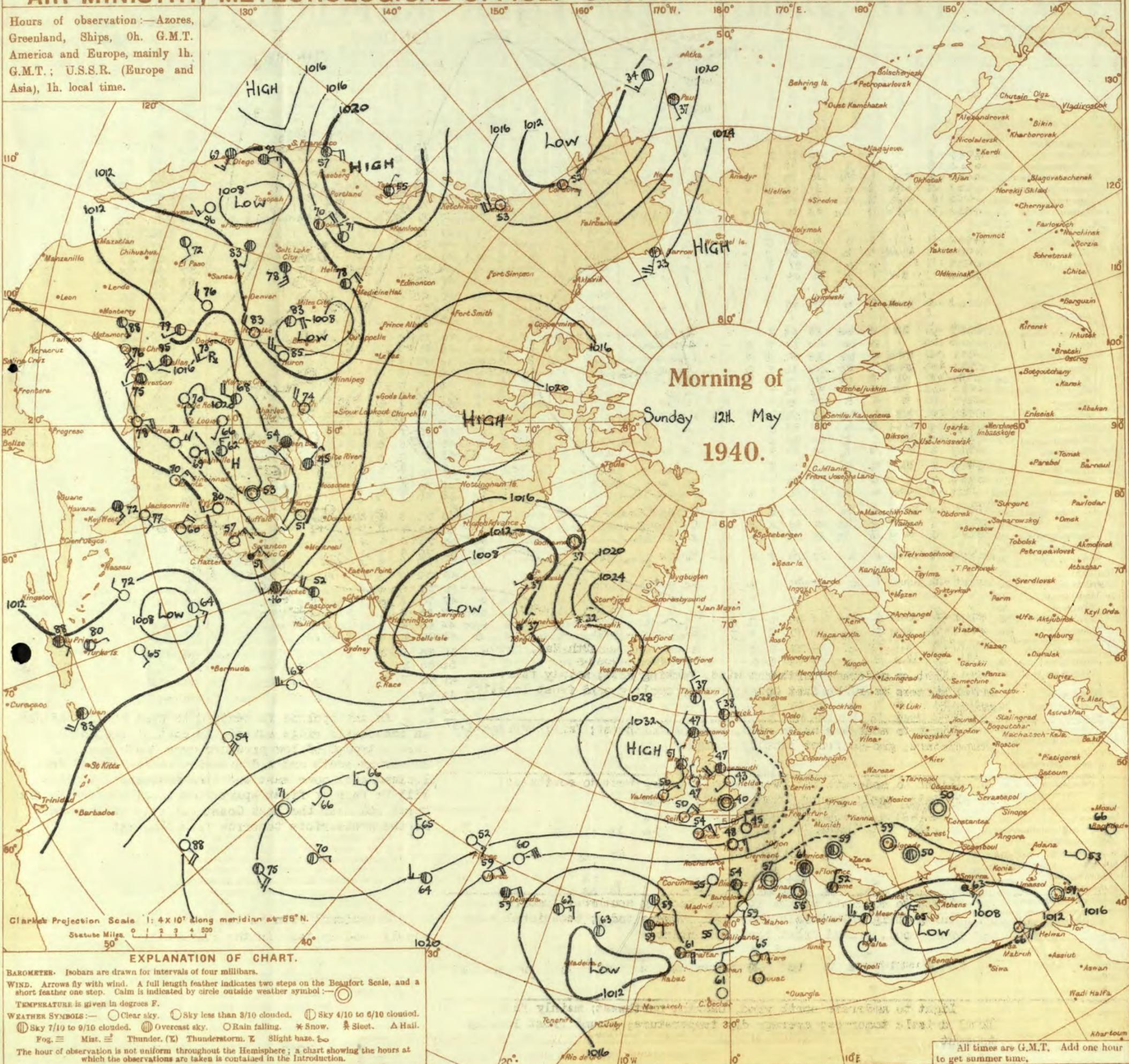
Forecasts issued at 1030.

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

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Sunday 12th May  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. E Slight haze. E

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for 12th May, and past 24 hours. Includes columns for stations, barometric pressure, wind, temperature, humidity, cloud, and sea state.

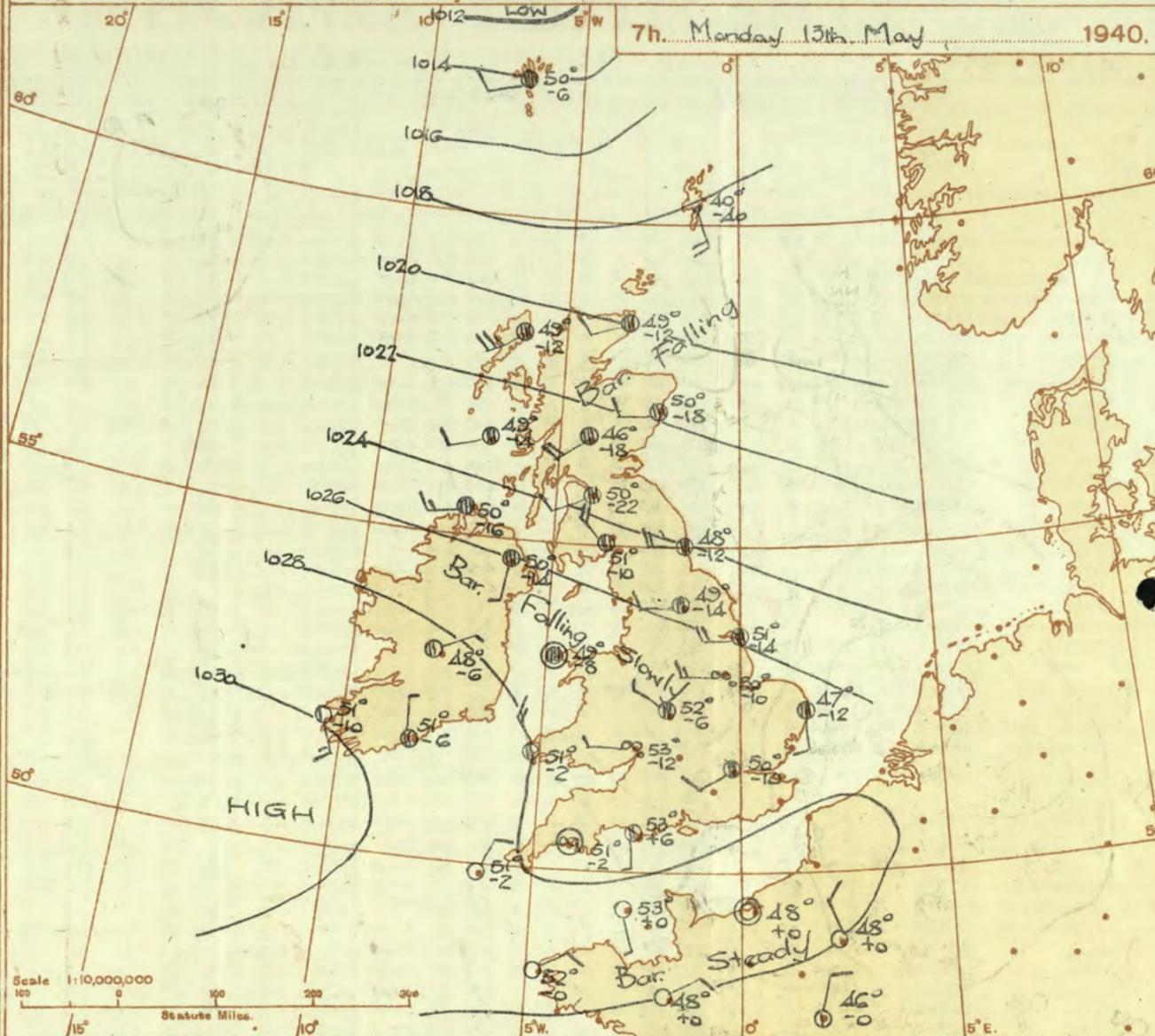
LONDON OBSERVATIONS table showing data for stations like Kew, Croydon, Greenwich, etc., with columns for weather, temperature, rainfall, and atmospheric pollution.

FOREIGN OBSERVATIONS table showing data for stations like Paris, Brussels, Berlin, Zurich, and Rome, with columns for barometric pressure, wind, temperature, and rainfall.

EXPLANATION OF FIGURES, LETTERS, etc. section providing detailed instructions for interpreting the data in the tables, including barometric tendency, wind scale, and sea state codes.



AIR MINISTRY, METEOROLOGICAL OFFICE.



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DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th May, 1940.
1 S.E. England	Light southwest wind, becoming moderate; fair at first, slight rain tomorrow; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate northwest wind, backing southwest; fair; average temperature.
6 South Wales ...	
7 North Wales ...	Moderate southwest to west wind. fresh locally on coasts; cloudy, occasional slight rain; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	As 7 - 11.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 5 - 6.
18 N. E. Ireland	
19 S. E. Ireland	As 5 - 6.
20 S. W. Ireland	

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.

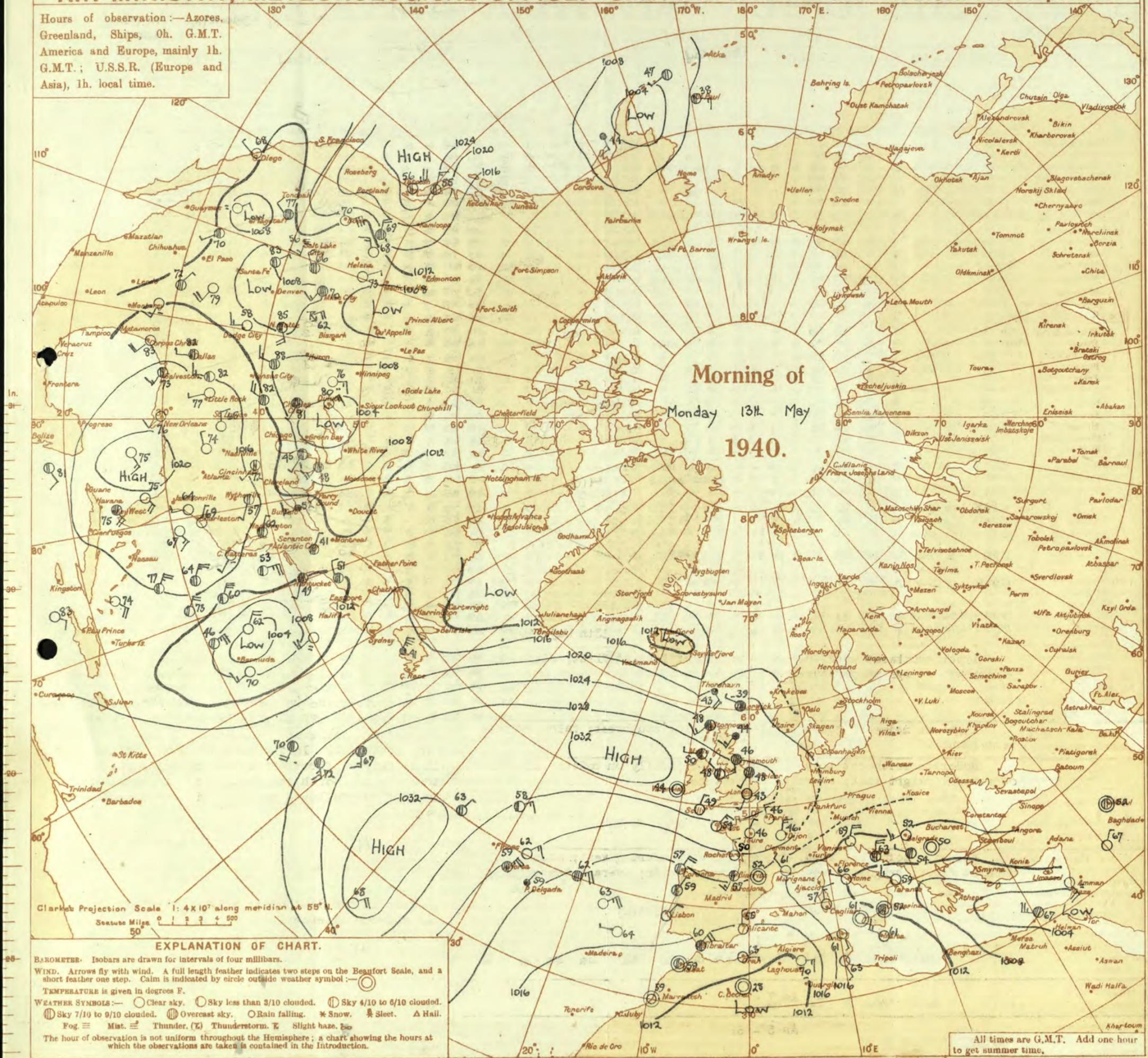
**GENERAL INFERENCE.**  
An anticyclone is centred to southwest of Ireland and a depression off East Iceland is moving east-southeast or southeast. Weather will continue fair in the Southwest. In the East and Southeast weather will be fair at first but slight rain is expected later. In the North there will be occasional light rain at first followed by bright intervals and showers.

**FURTHER OUTLOOK.**  
Fair in the Southwest; bright intervals and local showers elsewhere.

Forecasts issued at 1030. N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



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Clark's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 5  
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## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS:** ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. \* Snow. △ Sleet. △ Hail. Fog ≡ Mist. ⚡ Thunder. (⚡) Thunderstorm. ☁ Slight haze. ☁

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours for various stations including London (Kew), Shoeburyness, Birmingham, etc.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, and station names like Kew, Croydon, Greenwich.

Table with columns for Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution for various stations.

EXPLANATION OF FIGURES, LETTERS, etc. section containing codes for barometric tendency, wind scale, sea state, and rainfall.

FOREIGN OBSERVATIONS table for Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours for foreign stations.

THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

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

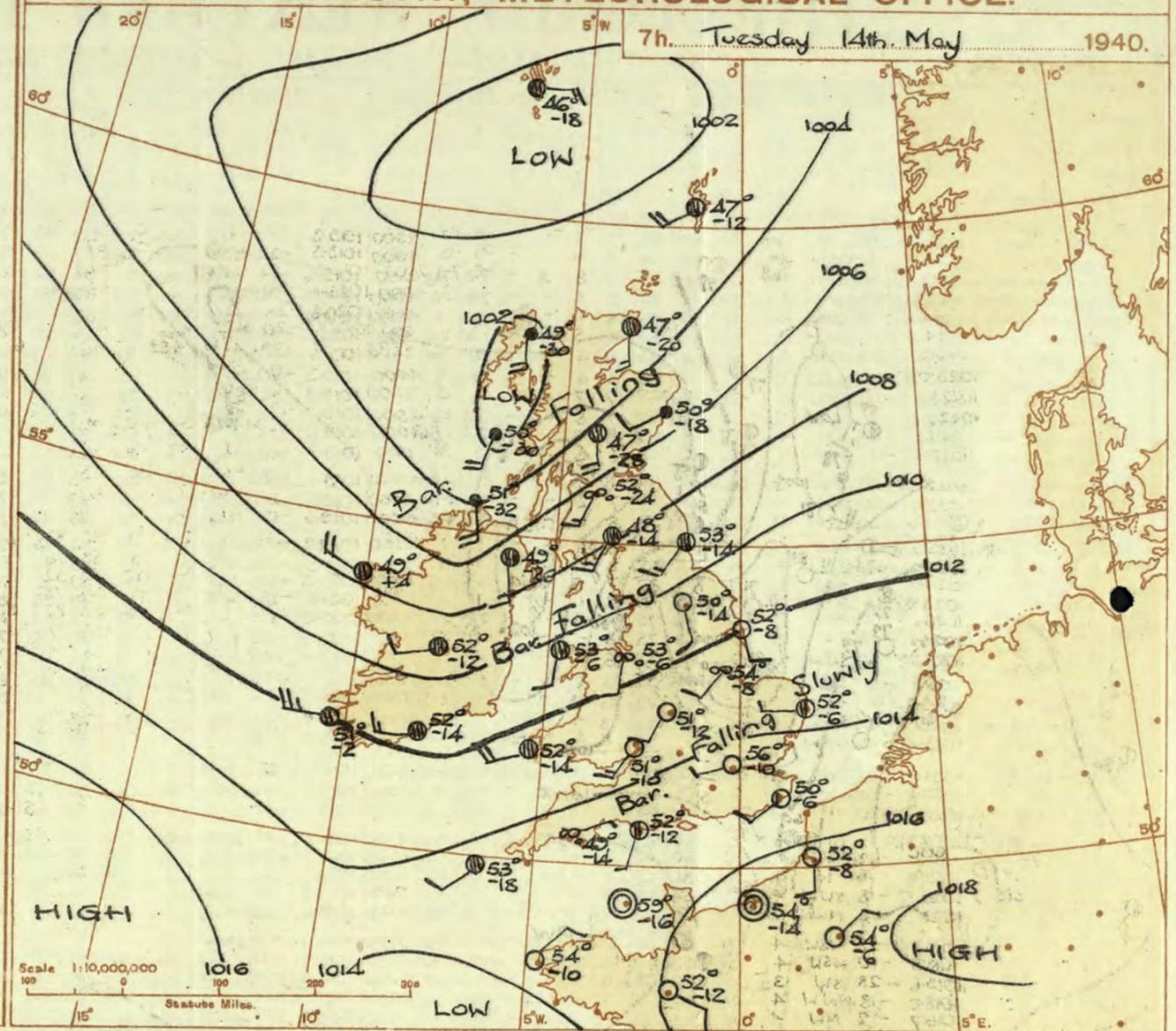
OBSERVATIONS at 18h. G.M.T. 13th May

PAST 24 HOURS.

DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	° Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. (20)	° Humid. (21)	Visibility. (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	WEATHER.						
				Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Form. (23)	Amount. (24)			Height of Base. (feet) (28)	State of Ground. (31)					7h.—13h. 13th.	13h.—18h. 13th.	18h.—1st Mo 14th.	1h.—7h. 14th.										
																											Low.			Med.	High.	Low.	Med.	High.		
1	London (Kew)...	1022.8	-18	W	3	C	64	55	7	5	-	3+	9+	2500	1019.3	-14	W	2	C	69	45	7	7	-	4	2.3	3	2500	0	*	mcy	bc	cybc	bmw		
	Croydon ...	1023.2	-6	WSW	3	C	64	55	7	5	-	9	9	4000	1019.5	-22	WSW	3	C	67	65	8	2	4	4	2.3	7.8	4000	0	*	cbcy	cbcy	C,b	bw		
	S. Farnborough	1023.1	-24	SWW	4	C	65	55	7	8	3	-	7.8	7.8	2500	1019.6	-14	WS	4	C	68	45	9	1	-	8	7.8	4000	0	*	cbcc	cbcb	cybc	bvc		
	Boscombe Down	1023.3	-22	WS	3	C	67	55	7	2	-	-	7.8	7.8	4000	1020.4	-20	WSW	4	bc	64	55	7	1	-	2	7.8	2.3	4000	0	*	bc	cbcy	b	bmw	
	Calshot (Soton.)	1024.4	-20	SW	4	D	61	75	8	1	-	-	1	1	4000	1020.8	-24	SW	4	bc	58	75	7	1	-	6	0	2.3	-	0	3	*	bc	bbm	bbm	bbm
	Lympe	1024.1	-22	SW	4	bc	60	65	8	5	-	-	2.3	2.3	4000	1020.7	-20	SW	4	bc	56	75	8	1	-	6	0	4.6	-	0	3	*	cb	cbw	cbw	bbm
Manston	1023.2	-26	WSW	3	C	61	65	7	5	-	-	3+	3+	2500	1019.5	-20	SW	4	z	62	65	6	5	7	-	4.6	3	2500	0	*	c	cz	bmw	bmw		
2	Shoeburyness ...	1023.0	-2	SWW	2	C	65	55	6	5	-	-	9	9	4000	1019.3	-20	WN	1	C	67	55	8	5	-	4	4.6	3	4000	0	*	cm	czbcy	b	C	
	Felixstowe ...	1022.8	-18	WNW	4	C	63	55	7	7	-	-	9	9	2500	1019.8	-18	ENE	3	z	55	75	6	7	-	6	7.8	7.8	4000	0	1	cbcy	cyz	z	bc	
	Gorleston ...	1022.2	-8	NEW	2	C	55	75	7	5	-	-	7.8	7.8	2500	1019.7	-12	SE	1	bc	52	75	6	1	5	-	0	4.6	-	0	2	*	cbcy	cb	bc	
	Mildenhall ...	1022.2	-18	WN	4	C	62	65	8	5	-	-	7.8	7.8	4000	1019.0	-12	WSW	3	bc	64	55	7	1	1	8	2.3	4.6	4000	0	*	bc	bc	bc	bc	
	Cranwell ...	1022.4	-14	NW	3	z	63	45	6	5	-	-	9	9	2500	1019.7	-10	W	3	z	63	55	6	-	3	4	0	2.3	-	0	*	bc	bc	bc	bc	
3	Birmingham	1023.0	-18	WNW	3	bc	62	55	8	7	-	-	4.6	4.6	4000	1019.1	-20	NW	2	bc	65	55	8	7	-	-	4.6	4.6	4000	0	*	cb	bc	bc	b	
	Upper Heyford	1022.7	-18	WNW	4	bc	66	55	7	2	-	-	4.6	4.6	4000	1019.5	-20	WNW	2	C	67	55	8	2	-	-	7.8	7.8	2500	0	*	cb	bc	bc	b	
4	Ross-on-Wye ...	1022.6	-20	SSW	2	bc	66	55	8	1	-	-	4.6	4.6	4000	1019.6	-12	NW	3	C	66	45	9	1	-	-	1	1	4000	0	*	bc	bc	bc	b	
5	Hartland Point	1025.3	-12	WSW	3	b	53	85	8	1	-	-	1	1	2500	1022.2	-22	WSW	3	b	55	85	8	1	-	-	1	1	4000	0	1	cb	bc	bc	b	
	Bristol ...	1024.0	-14	WSW	4	b	64	65	8	1	-	-	1	1	2500	1020.5	-20	WS	4	b	59	75	8	-	4	8	0	1	-	0	*	bc	b	bbm	bmw	
	Portland Bill ...	1024.3	-20	SW	3	bc	54	92	7	5	-	-	4.6	4.6	4000	1020.5	-22	SW	3	bc	53	92	7	5	-	-	4.6	4.6	4000	0	3	bc	bc	bc	bc	
	Plymouth ...	1025.3	-14	SW	3	b	59	75	8	1	-	-	1	1	2500	1021.8	-18	WS	3	b	59	75	8	-	-	-	0	0	-	0	2	b	bc	bc	bc	
	The Lizard ...	1026.1	-12	SW	2	bc	60	75	8	8	-	-	2.3	2.3	2500	1022.9	-12	W	2	b	58	85	8	-	-	-	0	0	-	0	1	bc	b	bcw	bc	
	Scilly (St. Mary's)	1026.1	-12	-	0	b	61	75	8	-	-	-	0	0	-	1022.9	-22	SW	1	b	58	75	7	-	-	-	0	0	-	0	0	b	b	bcw	bc	
Guernsey ...	1025.3	-20	SW	1	b	64	55	8	-	-	-	0	0	-	1022.4	-20	WNW	1	b	61	55	7	-	-	-	0	0	-	0	0	b	b	b	b		
6	Pembroke ...	1025.3	-6	WS	3	bc	54	92	8	2	-	-	2.3	2.3	2500	1021.5	-18	WS	3	bc	53	85	8	1	3	-	1	2.3	4000	0	1	bc	bc	bcw	m	
	Holyhead ...	1023.7	-14	SSW	2	bc	56	75	8	7	3	-	1	2.3	2500	1019.7	-22	SW	4	b	54	85	9	2	3	-	7.8	7.8	4000	0	2	cb	bc	bcw	wc	
7	Chester (Sealand)	1023.3	-22	WNW	3	bc	59	55	8	7	-	-	2.3	2.3	4000	1020.0	-22	NW	2	bc	58	65	8	4	5	-	1	2.3	4000	0	*	cbcy	bcyb	bbm	bbm	
	Manchester ...	1023.4	-18	WNW	4	C	57	75	8	5	-	-	3+	3+	2500	1019.3	-18	SE	4	bc	59	65	8	1	4	-	7.8	2.3	4000	0	*	c	cbcb	bbm	bbm	
10	Spurn Head	1021.8	-8	ENE	2	bc	57	65	6	7	-	-	4.6	4.6	1500	1018.6	-12	SE	3	C	51	85	6	3	-	-	4.6	7.8	1500	0	3	c	c	cb	b	
	Catterick ...	1020.5	-24	-	0	C	65	45	8	2	9	-	4.6	9	4000	1017.7	-16	WSW	3	bc	59	65	9	2	-	3	1	2.3	4000	0	1	cbcy	cybc	bc	bb	
	Tynemouth ...	1020.6	-20	W	3	C	61	85	7	8	4	-	4.6	7.8	2500	1018.0	-16	WNW	4	bc	59	65	8	2	-	-	4.6	4.6	2500	0	1	c	cb	bc	bc	
11	St. Abbs Head	1019.8	-8	WNW	4	C	54	65	7	1	4	8	2.3	3	2500	1016.2	-14	WNW	4	bc	55	65	8	4	4	1	2.3	4.6	2500	0	3	C	bc	bc	bc	
	Leuchars ...	1019.5	-22	WSW	3	C	60	65	8	4	1	-	2.3	10	2500	1015.9	-20	SW	5	bc	58	65	8	4	4	-	2.3	2.3	4000	0	*	C	cb	cb	cb	
	Rentrow (Abbots L.)	1021.4	-16	W	4	C	56	65	8	5	2	-	9	10	1500	1017.5	-26	WN	3	C	56	65	8	5	3	1	7.8	9	2500	0	*	Cir	c	c	c	
	Eskdalemuir ...	1020.5	-18	SWW	4	C	56	65	8	5	-	-	9+	9+	2500	1017.3	-18	SSW	4	bc	54	75	8	5	-	-	2.3	2.3	2500	0	1	C	cb	cb	cb	
Point of Ayre ...	1023.0	-16	WNW	3	C	57	75	8	5	7	-	3	3+	4000	1018.5	-24	NEE	1	b	55	75	8	-	-	-	0	0	-	0	1	C	b	bb	bc		
13a	Three ...	1019.3	-18	WSW	4	bc	54	75	8	5	3	-	4.6	4.6	1500	1015.3	-22	SSW	3	0	51	85	7	5	-	-	10	10	1500	0	3	cidr	co	co	c	
	Stornoway ...	1018.5	-10	WSW	4	pr	53	92	8	8	7	-	9	10	1500	1015.4	-18	SW	4	C	52	75	8	8	7	-	9	10	2500	1	2	cidpr	cpr	cpr	c	
15	Dalwhinnie ...	1019.6	-28	SW	3	C	52	75	8	5	2	-	4.6	10	4000	1015.3	-20	SW	4	C	50	75	7	5	-	-	9+	3+	2500	0	1	C	Cir	Cir	Cir	
	Aberdeen ...	1018.0	-18	WNW	4	ir	57	75	7	7	2	-	4.6	10	2500	1014.2	-24	SW	2	bc	60	65	8	7	-	-	4.6	4.6	2500	0	1	Cir	rr	bc	bc	
16	Wick ...	1016.7	-12	NW	4	pr	52	85	7	5	2	-	7.8	10	800	1014.0	-14	WNW	4	C	51	52	8	5	7	8	4.6	10	800	1	2	prid	cpr	cb	cb	
	Lerwick ...	1014.5	-12	SSE	4	rr	44	97	6	6	2	-	7.8	10	800	1012.4	-8	SSE	2	df	44	57	2	-	-	-	10	10	150	1	*	cr	rr	rr	rr	
18	Blackod Point ...	1021.8	-20	S	4	C	56	85	7	-	7	-	0	9+																						

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 14th May 1940.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th May, 1940.

1 S.E. England	Light or moderate southwest wind, veering west to northwest; fair at first, local thundery rain later; warm becoming cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate southwest wind, veering west to northwest, fresh on coasts; occasional rain at first; bright intervals and showers later; becoming cool.
5 S.W. England	
6 South Wales ...	Moderate southwest wind, veering west to northwest, fresh on coasts; rain early in period, bright intervals and showers later, local thunderstorms; cool.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate variable winds, becoming west to northwest, fresh on coasts; occasional rain, local thunderstorms, bright intervals; cool.
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Moderate west to northwest winds, fresh on coasts; bright intervals, showers; cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

GENERAL INFERENCE.

A complex depression extending from Scotland to the Faeroes is moving east and a depression over North Spain is moving northeast. Weather will be fair in the East at first, but local thundery rain is expected later. In the North, there will be occasional rain and local thunder and in the West bright intervals and showers.

FURTHER OUTLOOK.

Bright intervals, showers, local thunderstorms.

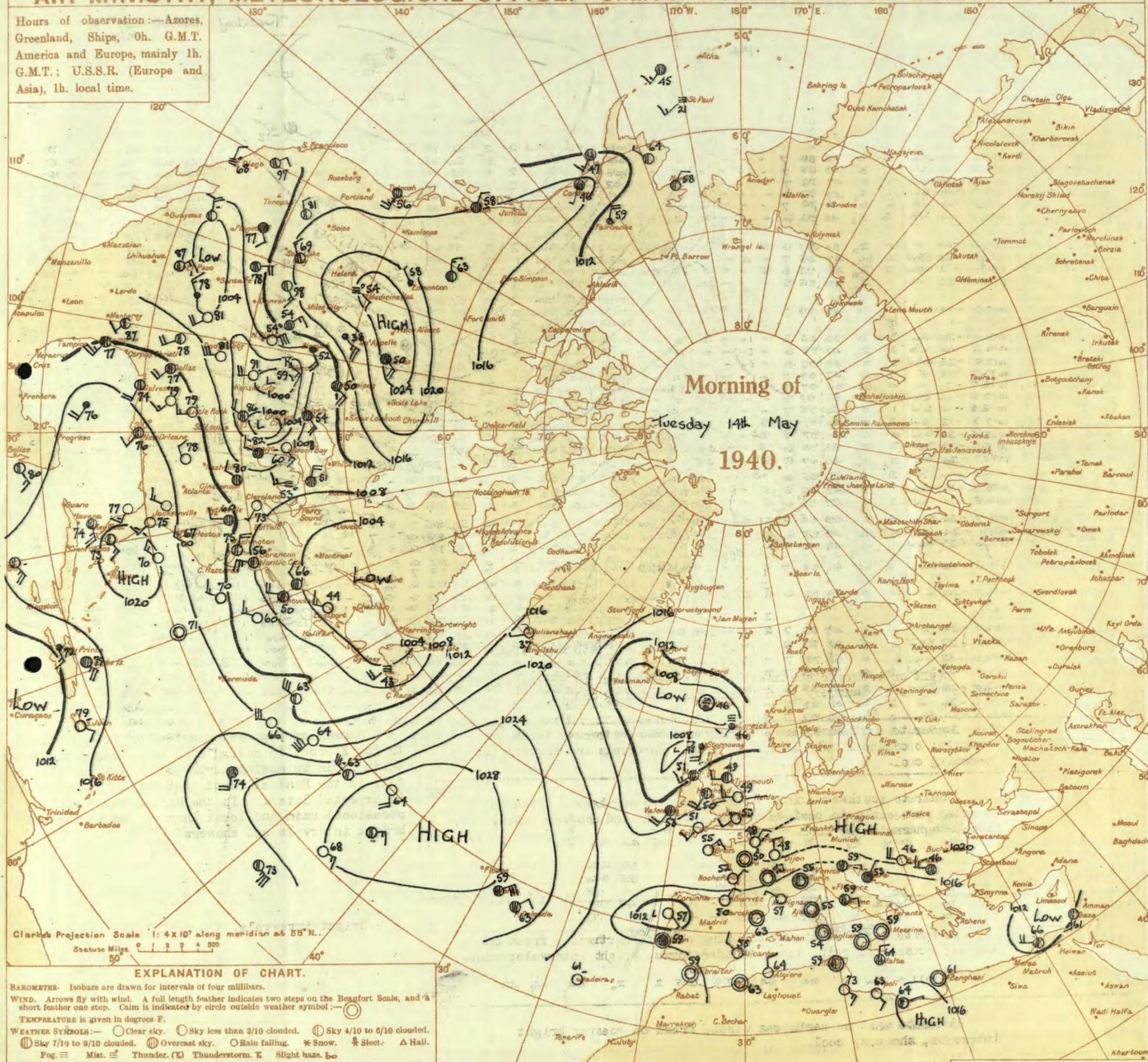
Forecasts issued at 1030 G.M.T.

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

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with 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. Δ Hall. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. 60

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-tables for Cloud, Wind, Temp., Humid., and Visibility.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, Day Max, Night Min, Min. on Grass, Day, Night, Yesterday, To-day.

FOREIGN OBSERVATIONS table with columns for Stations, Barom. mb., Wind, Weather, Temp. °F., Barom. mb., Wind, Weather, Temp. °F., Max. Day °F., Min. Night °F., Rainfall.

EXPLANATION OF FIGURES, LETTERS, etc. table with columns for COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 34, 35.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for Observations at 13h. G.M.T. 14th May, Observations at 18h. G.M.T. 14th May, and Past 24 Hours. Includes station names, barometric pressure, wind direction and force, temperature, humidity, and cloud details.

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. o, 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.

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 fracto-imbus). 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. Column 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.

† Sea disturbance reported from Dungeness.

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 Ae or high Sc. 4 Ac in isolated patches. Individually decreasing (often lenticular). 5 Ac in bands (increasing). 6 Ac formed from the spreading out of Cu. 7 Ac associated with As or As with parts resembling Ac. 8 Ac Castellatus (or Ac in ragged fragments). 9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud form abbreviations:—

Cirrus, -Ci; Cirrocumulus, -Cc; Cirrostratus, -Cs; Altostratus, -As; Stratocumulus, -Sc; Stratus, -St; Nimbostratus, -Ns; Cumulus, -Cu; Cumulonimbus, -Cb.

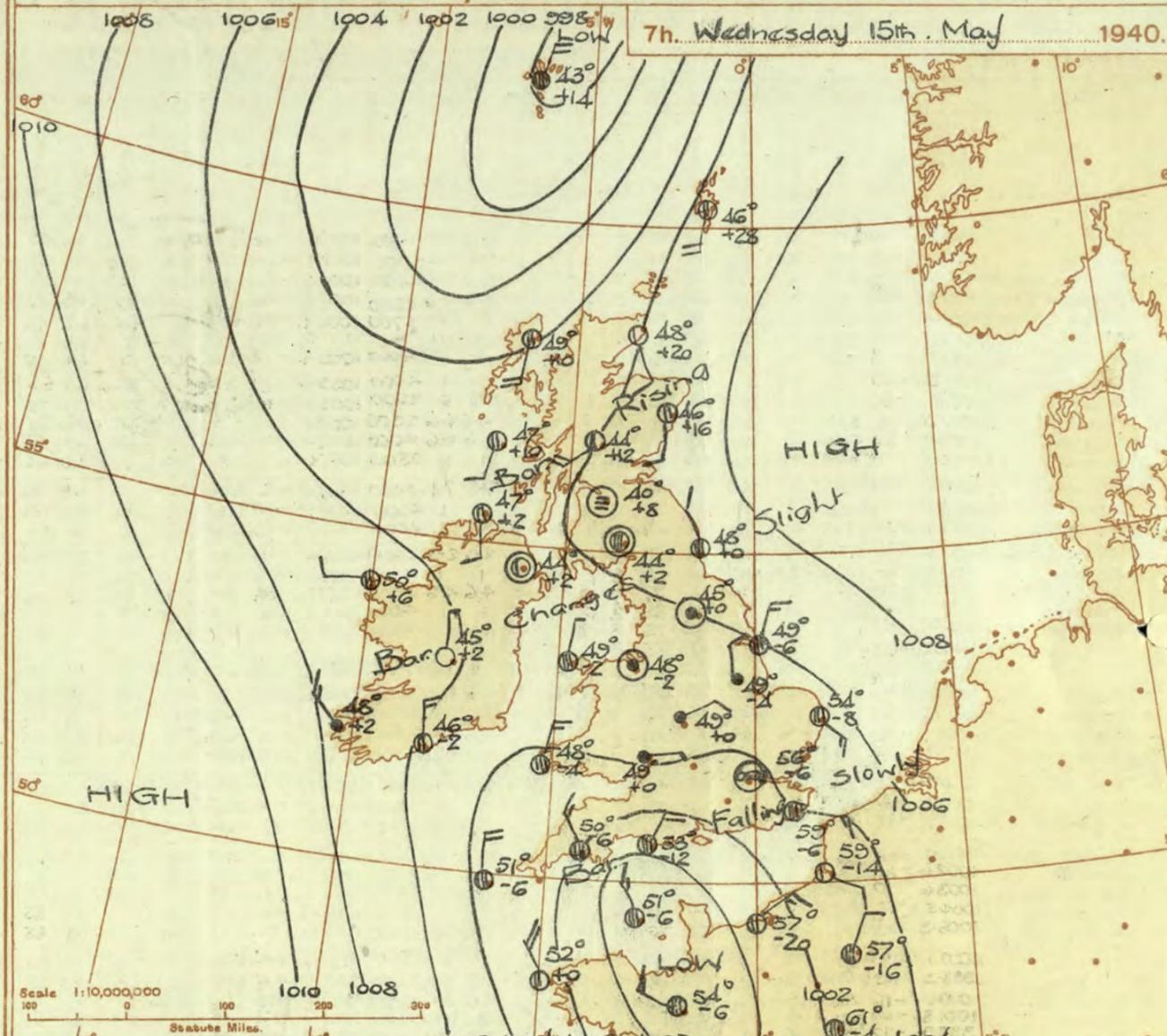
COLUMN 29—STATE OF GROUND.

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 15th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th May, 1940.
1 S.E. England	Light or moderate east to southeast wind becoming northwest later; cloudy, thunderstorms or thundery rain; warm becoming cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate variable winds becoming northwest, fresh locally; cloudy, thunderstorms or thundery rain; cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate east winds, becoming variable; cloudy, thunderstorms or thundery rain; local fog on East Coast; cool.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotl <sup>d</sup> . B.N.W.Scot- land.	Light south or variable wind becoming east; bright intervals at first, local thundery rain later; cool.
14 Mid Scotland	
15 N. E. Scotland	Light southeast wind, backing east moderate; bright intervals at first; thundery rain later; local coast fog later; cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Moderate northwest wind; bright intervals, showers, rain or hail; cool.
20 S. W. Ireland	
	Light or moderate east wind, backing northwest; bright intervals; thundery rain later; cool.

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.

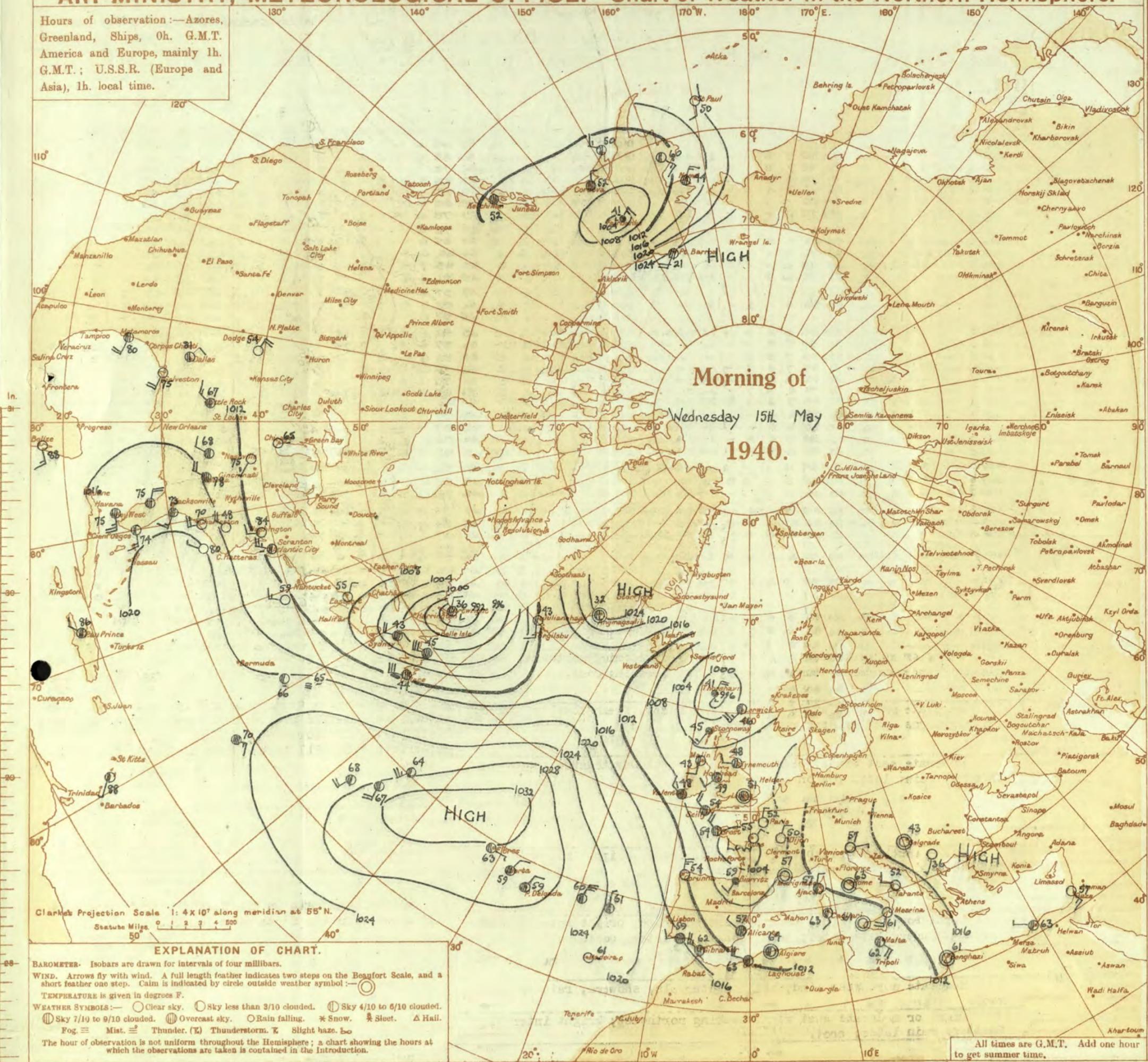
**GENERAL INFERENCE.**  
A depression centred near Faeroes is filling up slowly and another over France is moving north. There will be thunderstorms or thundery rain in many districts. It will become much cooler in the South later.

**FURTHER OUTLOOK.**  
Occasional rain in the North; bright intervals and showers in the South with local thunder.

Forecasts issued at 1030. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Wednesday 15th May  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle inside weather symbol.

**TEMPERATURE** is given in degrees F.

**WEATHER SYMBOLS:** ○ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◒ Sky 7/10 to 9/10 clouded. ◓ Overcast sky. ☉ Rain falling. ❄ Snow. ⚡ Sleet. ⚡ Hail. ☁ Fog. ☁ Mist. ☁ Thunder. ⚡ Thunderstorm. ☁ Slight haze.

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for Observations at 1 hr. G.M.T. 15th May, Observations at 7 hr. G.M.T. 15th May, and Past 24 Hours. Includes sub-headers for Wind, Cloud, Temperature, Humidity, and Rainfall.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, Day Max, Night Min, Min. on Grass, Rainfall, Sun-shine, Humidity, and Visibility.

Table for Foreign Observations with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 8, 22, 30, and 34, 35.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

Main data table with columns for Station, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Sea. Includes stations like London (Kew), Birmingham, and various coastal points.

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.

q, squalls. r, rain. s, snow. rs, sleet. t, thunder. u, ugly, threatening sky. v, unusual visibility. w, dew.

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.

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.

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).

Cloud form abbreviations:—

Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Altostratus, -As: Stratocumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

- 0 No cirriform cloud. 1 Fine Ci not increasing: sparse. 2 Fine Ci not increasing: abundant but not a continuous layer.

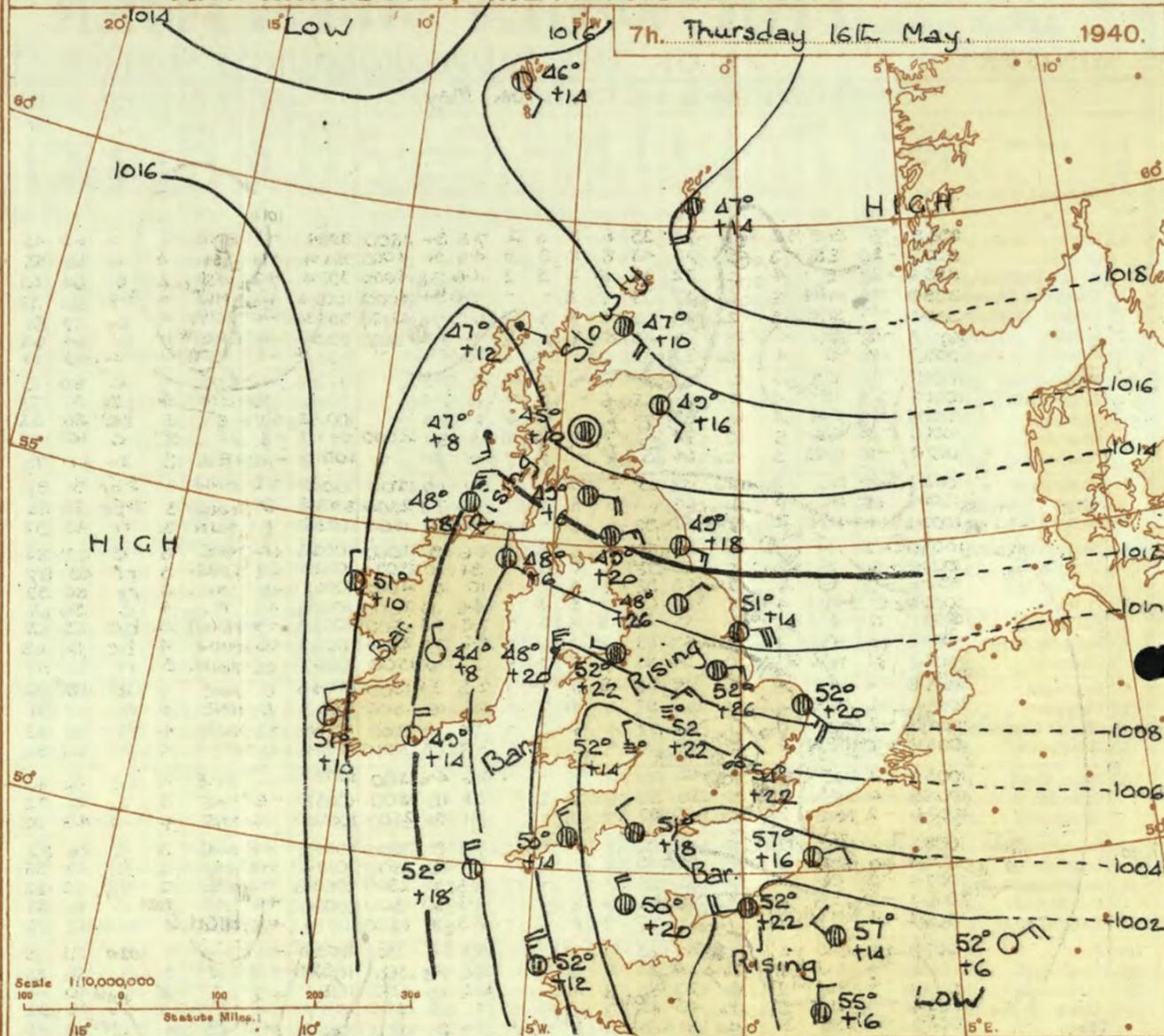
COLUMN 29.—STATE OF GROUND.

- 0 .. Ground dry. 1 .. .. wet. 2 .. .. flooded. 3 .. .. frozen hard and dry.

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 16th May. 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th May, 1940.
1 S.E. England	Moderate east to northeast wind, fresh to strong locally on coasts; mainly fair; cooler.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate north wind, veering towards northeast and decreasing; local thundery rain at first, fair later; rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate east wind, fresh on coasts decreasing; mainly fair; cool.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Light or moderate east to southeast wind; mainly fair; cool.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N. E. Ireland	Moderate north wind decreasing; thundery rain at first, fair later; cool.
19 S. E. Ireland	
20 S. W. Ireland	As 17.

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.

### GENERAL INFERENCE.

An anticyclone centred over Finland is spreading southeast and a trough of low pressure over western districts is filling up. Weather will be mainly fair in the North and East but there will be local thundery rain in the West at first. It will be cooler in the South.

### FURTHER OUTLOOK.

Little change; perhaps rain in the Northwest.

1030 G.M.T.

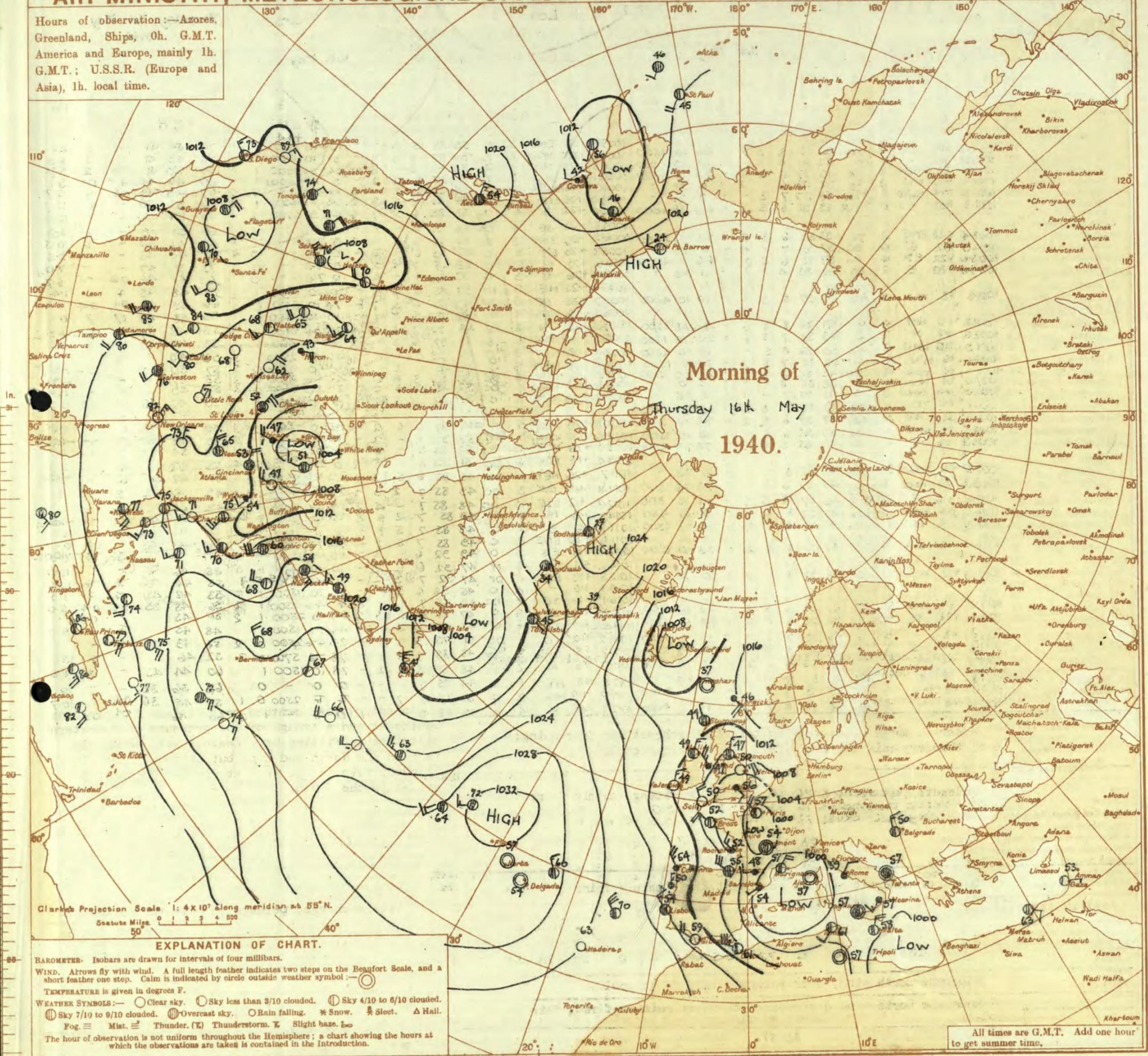
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.

Forecasts issued at

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

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clarke's Projection Scale. 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500  
 50

### 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. Δ Hall. Fog ≡ Mist. ⚡ Thunder. ⚡ Thunderstorm. X Slight haze. ⚡  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for DISTRICT, STATIONS, OBSERVATIONS at 1 hr. G.M.T. 16th May, OBSERVATIONS at 7 hr. G.M.T. 16th May, and PAST 24 HOURS. Includes sub-headers for Wind, Weather, Temp., Humid., Visibility, Cloud, Barom., and Sea.

LONDON OBSERVATIONS

Table for LONDON OBSERVATIONS with columns for Day 7h-18h, 9h-18h, and 9h-21h. Includes sub-headers for Weather, Temperature, Rainfall, Sunshine, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc.

Table explaining various codes and abbreviations used in the report, such as COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 30, and COLUMNS 34, 35.

FOREIGN OBSERVATIONS.

Table for FOREIGN OBSERVATIONS with columns for STATIONS, 18h. G.M.T., 7h. G.M.T., and Past 24 Hours.

# THE DAILY WEATHER REPORT

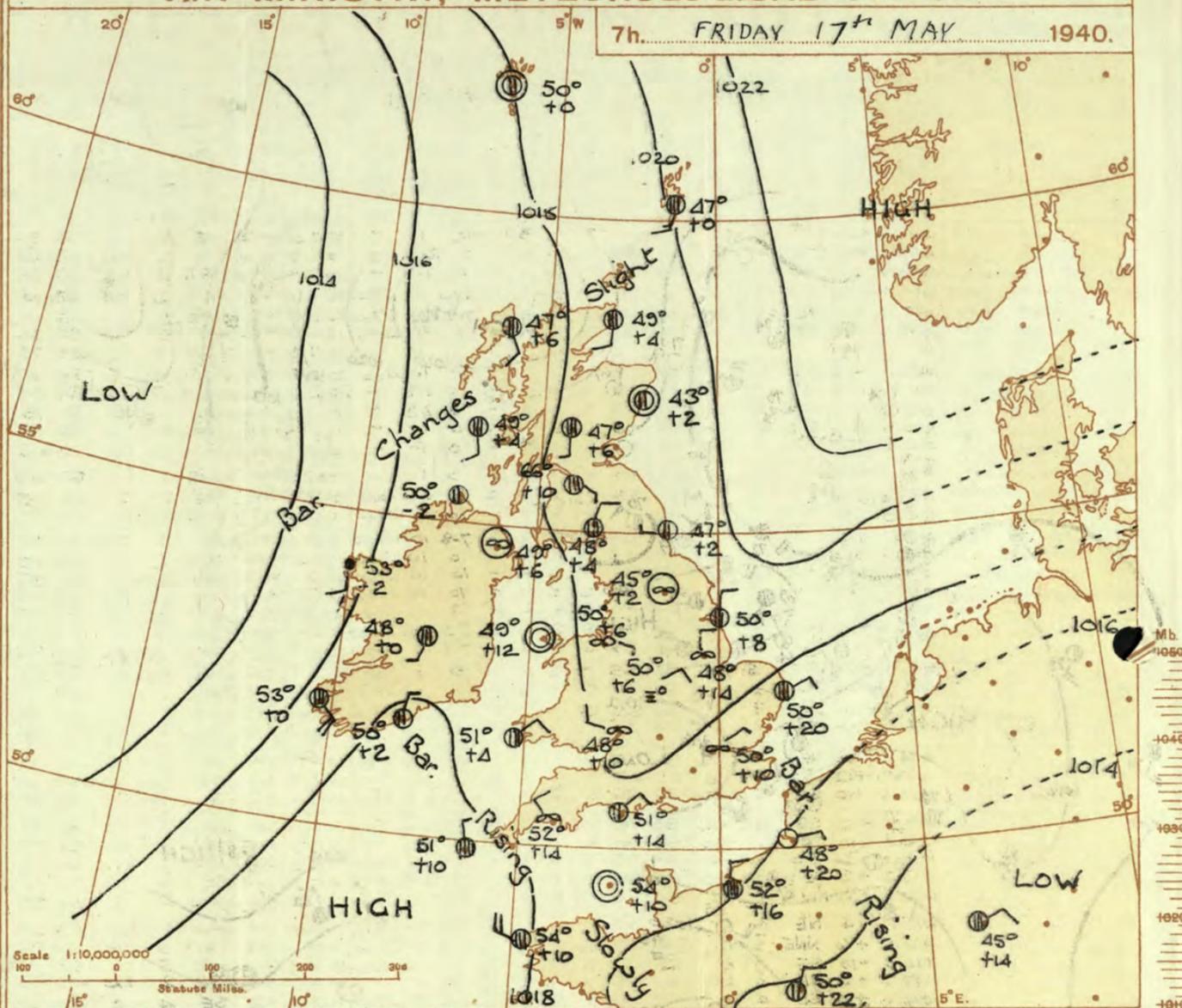
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Friday, 17th May 1940  
No. 28666

OBSERVATIONS at 13h. G.M.T. 16th May														OBSERVATIONS at 18h. G.M.T. 16th May														PAST 24 HOURS.													
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Sea. 0-9 (30)	WEATHER.																
				Direc. (3)	Force. 0-12 (4)				Weather. (5)	Form.		Amount. (12)			Height of Base. (feet) (14)	Low. (9)				Med. (10)	High (11)	Low 0-10 (23)	Med. (24)		High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	7h.-13h. 16th (37)	13h.-18h. 16th (38)	18h.-17h. 17th (39)	1h.-7h. 17th (40)								
										Low.	Med.																							High	Low	Total	Low	Total	Low	Total	
1	London (Kew)...	1009.5	+2.0	E N	4	63	83	7	-	-	-	1012.0	+1.2	NE	3	bc	53	85	8	-	-	1012.0	+1.2	NE	3	bc	53	85	8	-	-	-	-	0	0	0	0	cbezb	byby	bcy	cmo
	Croydon ...	1009.3	+1.8	E NE	4	61	85	7	-	-	1011.9	+1.6	NE	4	bc	53	85	8	-	-	1011.9	+1.6	NE	4	bc	53	85	8	-	-	-	-	0	0	0	0	rbcz	by	byv	ccmo	
	S. Farnborough	1009.5	+1.6	NE	4	65	85	7	-	-	1011.3	+1.0	NE	4	bc	63	85	7	-	-	1011.3	+1.0	NE	4	bc	63	85	7	-	-	-	-	0	0	0	0	cmay	bcy	bcy	bcbrm	
	Boscombe Down	1009.5	+2.0	NE N	3	64	78	6	2	3	1011.1	+2.0	NE E	3	b	63	85	7	-	-	1011.1	+2.0	NE E	3	b	63	85	7	-	-	-	-	0	0	0	0	cmgbc	cmgbc	bc	bbcb	
	Calshot (Soton.)	1007.3	+1.2	NE	2	63	85	6	0	0	1011.7	+2.0	NE E	3	b	55	85	8	-	-	1011.7	+2.0	NE E	3	b	55	85	8	-	-	-	-	0	0	0	0	cbcmo	bcy	bybm	bmcb	
	Lymington	1009.1	+1.8	NE N	5	60	85	6	0	0	1011.8	+1.0	NE N	5	b	55	85	8	-	-	1011.8	+1.0	NE N	5	b	55	85	8	-	-	-	-	0	0	0	0	cmgbc	bcy	bcc	cmo	
	Manston ...	1009.5	+2.0	E	4	63	85	7	-	-	1012.0	+1.2	NE E	4	b	54	85	8	-	-	1012.0	+1.2	NE E	4	b	54	85	8	-	-	-	-	0	0	0	0	bcmb	bcv	bc	oc	
2	Shoeburyness ...	1011.1	+1.8	NE E	5	56	85	8	1	1	1012.6	+1.0	NE N	5	b	54	85	8	-	-	1012.6	+1.0	NE N	5	b	54	85	8	-	-	-	-	0	0	0	0	cmby	bcv	bcv	oc	
	Felixstowe ...	1012.4	+1.0	NE E	4	53	85	7	-	-	1013.8	+1.0	NE	4	bc	52	85	7	-	-	1013.8	+1.0	NE	4	bc	52	85	7	-	-	-	-	0	0	0	0	cbc	bc	bcybc	c	
	Mildenhall ...	1010.9	+1.0	E NE	4	63	85	9	-	-	1013.4	+1.0	NE	4	bc	58	85	8	-	-	1013.4	+1.0	NE	4	bc	58	85	8	-	-	-	-	0	0	0	0	bcbv	bcv	byvb	b,cmo	
	Cranwell ...	1012.5	+2.2	E	4	61	85	8	-	-	1014.7	+1.0	E	3	bc	56	85	8	-	-	1014.7	+1.0	E	3	bc	56	85	8	-	-	-	-	0	0	0	0	bc	bcy	bybbm	bmow	
3	Birmingham	1010.4	+1.4	E	4	63	85	7	-	-	1012.8	+1.0	E NE	4	bc	63	85	8	-	-	1012.8	+1.0	E NE	4	bc	63	85	8	-	-	-	-	0	0	0	0	cb	bc	bc	bm	
	Upper Heyford	1009.4	+1.4	E N	3	64	85	7	1	2	1012.3	+1.0	NE	2	b	62	85	8	-	-	1012.3	+1.0	NE	2	b	62	85	8	-	-	-	-	0	0	0	0	cmgbc	bcy	b	bmcb	
4	Ross-on-Wye ...	1010.0	+1.4	NE N	3	60	78	6	5	1	1012.2	+1.2	E NE	2	b	63	85	7	5	-	1	1	1500	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	Hartland Point	1011.1	+1.8	N	4	49	82	7	5	2	1013.6	+1.2	N	4	c	50	82	7	5	2	-	7-8	10	1500	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Bristol ...	1009.7	+2.0	N NE	3	53	85	7	5	1	1011.6	+1.0	NW	2	bc	63	85	6	5	3	-	2-3	4-6	2500	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Portland Bill ...	1007.4	+1.2	NW	2	53	85	7	5	1	1010.1	+1.2	N	2	bc	62	85	7	5	1	-	10	10	2500	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Plymouth ...	1010.5	+2.0	NW	3	52	85	6	5	1	1012.7	+1.4	NW	4	bc	53	85	6	5	1	-	10	10	1500	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	The Lizard ...	1012.4	+1.0	NW	3	52	85	6	5	2	1013.3	+1.0	NW	3	bc	53	85	6	5	6	-	4-6	4-6	2500	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scilly (St. Mary's)	1013.8	+2.0	NW	5	58	75	8	4	1	1015.1	+4	NW	5	bc	56	75	8	8	-	-	2-3	2-3	2500	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Guernsey ...	1008.7	+1.8	NW	5	55	85	6	5	2	1010.5	+1.0	NW	2	bc	55	85	6	-	-	7	1	0	4-6	-	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Pembroke ...	1011.5	+2.0	NE	6	50	85	7	5	2	1014.9	+1.2	NE	3	c	51	85	7	5	2	-	7-8	10	1500	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Holyhead ...	1011.3	+1.8	NW	2	50	87	5	2	-	1014.1	+1.4	NW	2	c	49	82	6	5	-	-	4-6	10	450	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Chester (Sealand)	1011.1	+1.0	E S	3	64	85	6	1	7	1013.3	+1.2	E N	3	bc	64	85	7	-	-	7	4	0	2-3	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	Manchester ...	1011.5	+1.4	E	3	65	85	7	-	9	1014.0	+1.4	SE	3	bc	61	85	6	-	-	8	-	0	4-6	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	Spurn Head ...	1014.6	+1.8	NE E	4	56	85	6	-	4	1015.9	+1.0	NE	3	bc	50	75	7	-	-	4	0	4-6	-	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Catterick ...	1013.9	+1.2	SE	4	61	85	8	5	0	1015.5	+1.0	SE	2	bc	59	85	8	-	-	2	0	4-6	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Tynemouth ...	1016.0	+1.0	SE	3	52	75	8	2	3	1017.1	+1.2	E	3	bc	50	85	8	2	3	2	2-3	4-6	2500	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	St. Abbs Head	1015.7	+1.2	SE	4	53	75	8	7	4	1016.4	0	SE	3	bc	50	75	9	1	4	2	2-3	4-6	4000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Leuchars ...	1016.1	+1.0	E NE	2	55	75	8	9	-	1017.0	+4	E	3	bc	52	75	8	-	-	0	4-6	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Renfrew (Abbots L.)	1013.0	+1.0	E S	2	64	85	7	8	3	1014.8	+1.4	NW	2	bc	58	85	6	5	3	-	7-8	9	4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Exdalemuir ...	1013.2	+1.8	SE	4	61	85	7	7	4	1014.8	+1.2	SE	4	bc	58	85	8	-	-	4	1	0	2-3	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Point of Ayre ...	1012.6	+1.6	NW	1	54	85	7	5	1	1014.5	+1.8	NW	2	c	51	87	6	5	3	-	4-6	7-8	2500	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13A	Three ...	1014.1	+1.4	NE	3	48	87	7	-	2	1015.4	+4	NW	1	c	49	82	7	5	-	-	9	9	1500	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13B	Sternoway ...	1016.1	+1.0	N NE	3	48	82	6	5	2	1016.4	+2	-	-	c/r	50	82	6	5	2	-	9	10	1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	Dalwhinnie ...	1014.0	+1.0	SE	7	53	85	8	4	7	1016.2	+1.4	SE	5	bc	53	85	8	-	-	0	10	-	0																	

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. FRIDAY 17<sup>th</sup> MAY 1940.



**DISTRICTS.** FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17<sup>th</sup> May, 1940.

1 S.E. England	Wind becoming light and variable; mainly fine; some local fog or mist in early morning; temperature average in the West, but rather cool today toward the East Coast.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind variable, light, becoming southwest; fair, but rather cloudy at times, especially at first; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind variable to southerly, light; fine or fair; local morning fog; average temperature.
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.Scot- land.	Wind becoming southerly, moderate to fresh later; mainly cloudy; occasional rain tomorrow; average temperature.
14 Mid Scotland	
15 N. E. Scotland	Wind southerly, light to moderate; fair; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southerly, freshening; mainly fair at first, cloudy or dull with occasional rain spreading from west; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	Wind becoming southerly, light to moderate; mainly cloudy, probably some rain later in the period; average temperature.
20 S. W. Ireland	As 17.

**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.

**GENERAL INFERENCE.**

A ridge of relatively high pressure across the British Isles which joins anticyclones over Northern Europe and to westward of Spain is moving southeast slowly. A depression on the Atlantic will spread east-northeast. Weather will be fair or fine in most districts today but occasional rain will spread slowly to western and northwestern districts. Temperatures will be about average.

**FURTHER OUTLOOK.**

Unsettled in the West and North; fair and warmer in the South and East.

Forecasts issued at 10.30.

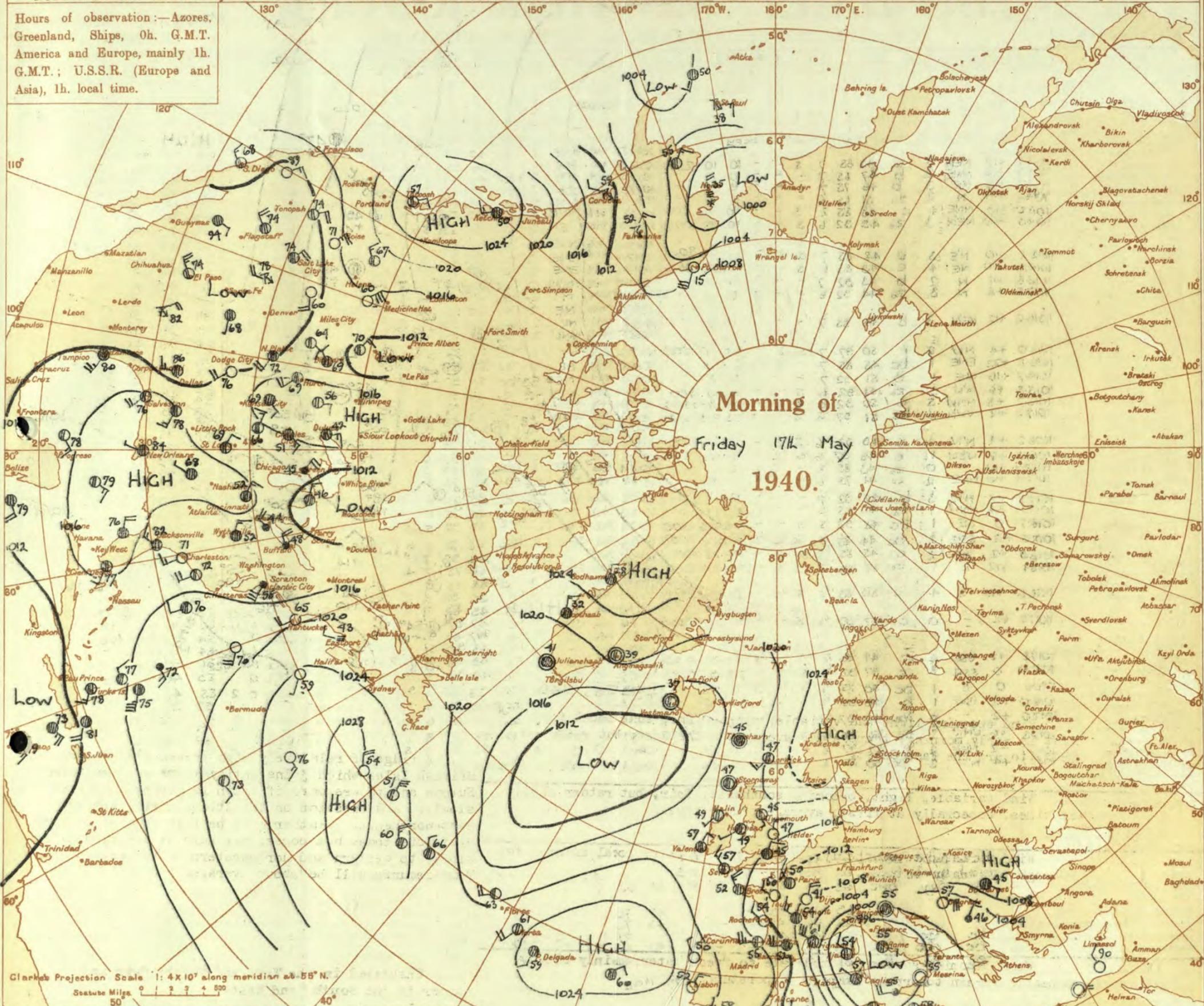
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.

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

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Friday 17th May  
1940.



Clark's Projection Scale 1: 4x10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog ≡ Mist ≡ Thunder. (T) Thunderstorm. T Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for various locations like London (Kew), Croydon, etc.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, other stations except for rainfall which is 9h-18h.

Table with columns for Weather, Temperature, Rainfall, Sunshine, Humidity, and Atmospheric Pollution. Includes sub-sections for South Kensington and Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 3, 22, 4, 18, 30, and 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Includes data for Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours. Includes data for various locations like Paris, Brussels, Berlin, Zurich, and Rome.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main weather report table with columns for District, Stations, Observations at 13h G.M.T., Observations at 18h G.M.T., and Past 24 Hours. Includes data for stations like London (Kew), Birmingham, and various coastal points.

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 Ob. 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. † Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

Cloud form abbreviations:—

Cirrus-Ci: Cirrostratus,-Cs: Cirrostratus,-Cs: Altostratus,-As: Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb.

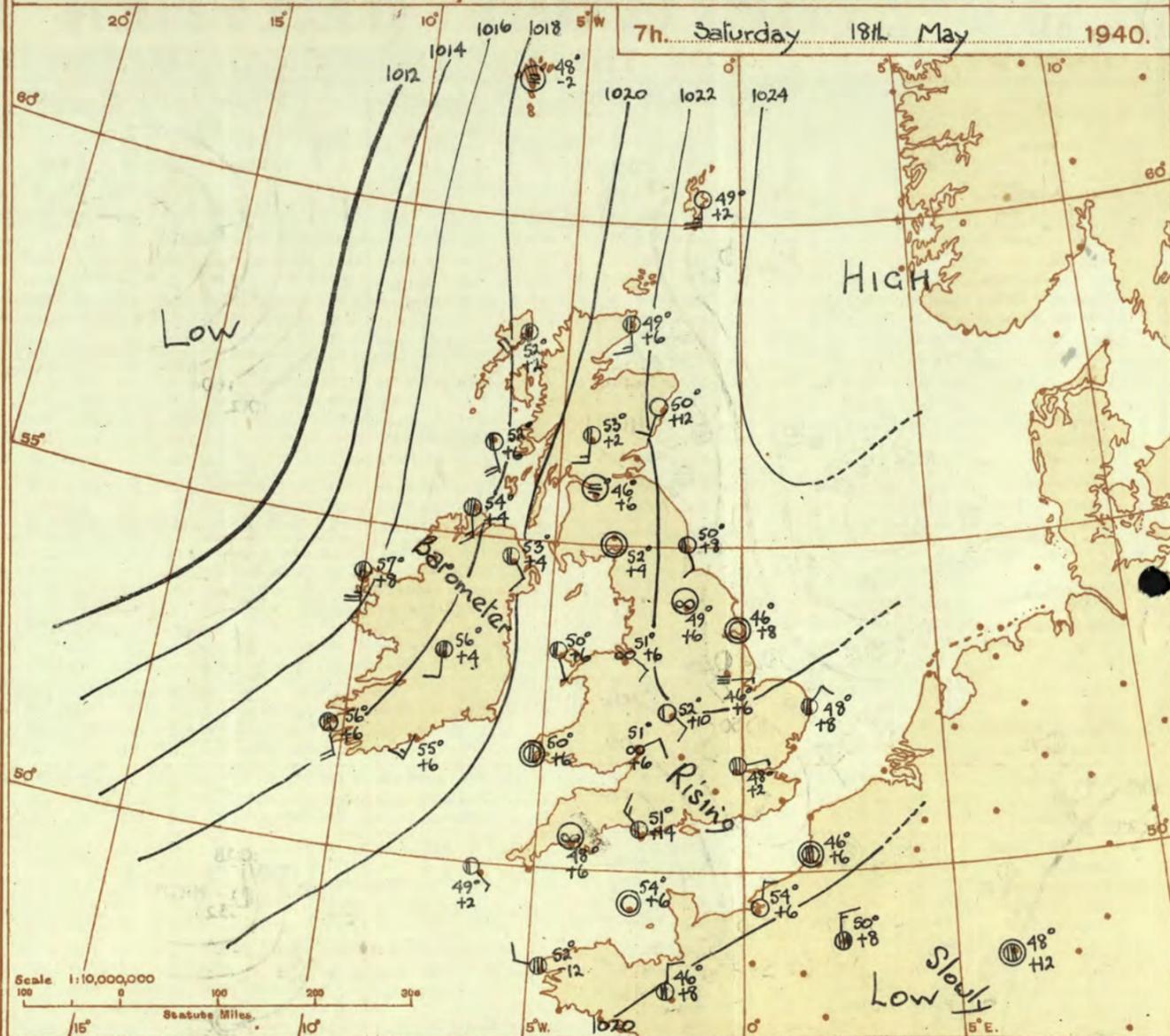
COLUMN 29—STATE OF GROUND.

- 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.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 18th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th May, 1940.
1 S.E. England	Light variable wind; fine; local fog in early morning; warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Light or moderate southeast wind; fair or fine; local morning fog or low clouds; warm except on east coast.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Freshening southerly wind; cloudy, local drizzle later; close.
13 { A.W.Scotld. B.N.W.Scotland	
14 Mid Scotland	As 10 - 12.
15 N.E. Scotland	Moderate south wind; fair; local fog later; average temperature.
16 Orkneys and Shetlands	
17 N.W. Ireland	Moderate or fresh south wind; cloudy, local drizzle chiefly in South and West; close.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

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.

GENERAL INFERENCE.

A ridge of high pressure extends from North Russia across England while a depression south of Iceland is moving slowly north. Weather will be fair or fine except for local drizzle in Ireland and the extreme west of Scotland.

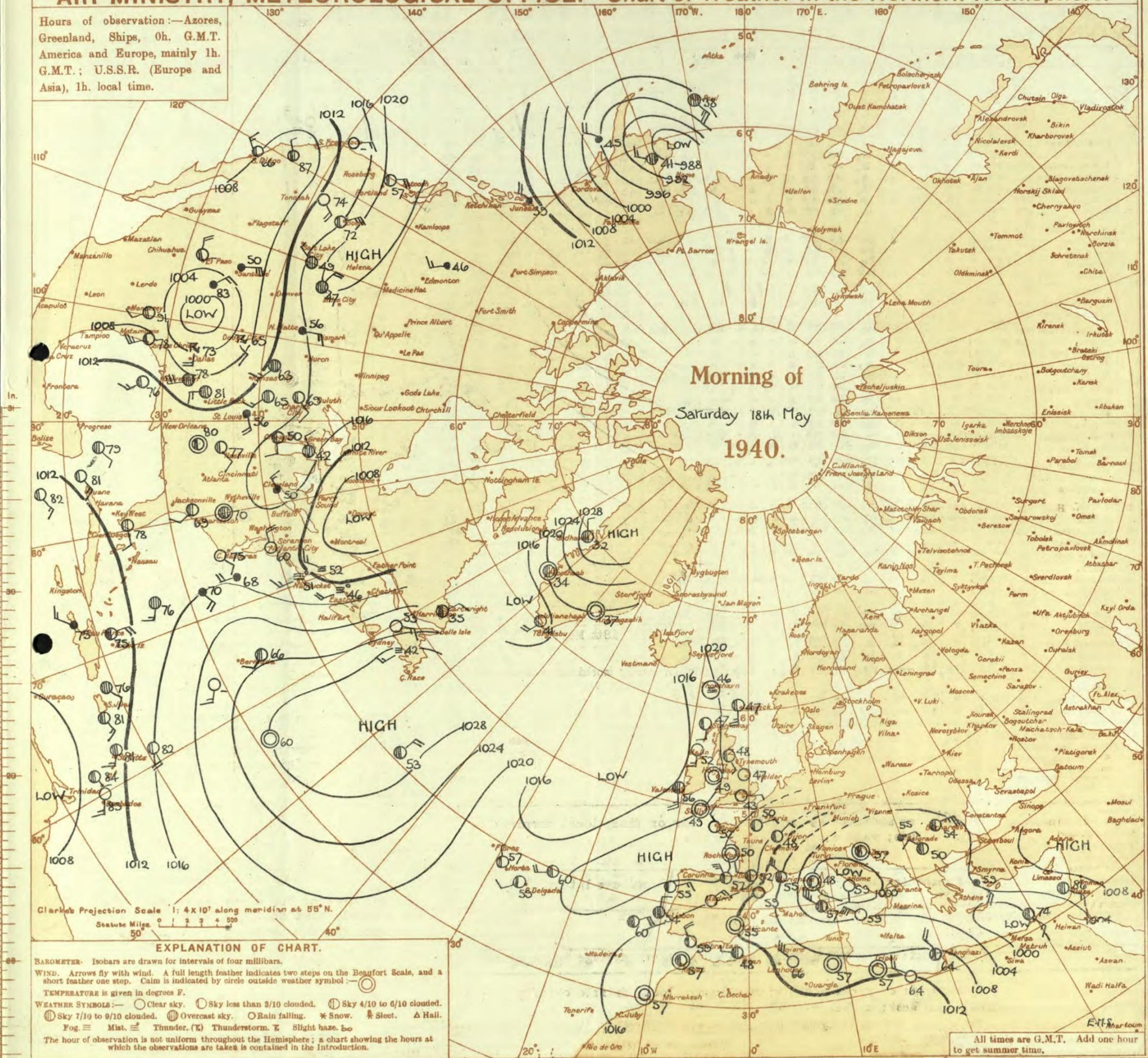
FURTHER OUTLOOK.

Fair or fine for a few days over England and probably East Scotland, except for a few scattered thunderstorms.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main weather observation table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Cloud, etc. Includes data for London (Kew), Shoeburyness, Birmingham, etc.

LONDON OBSERVATIONS table showing data for Kew, Croydon, Greenwich, City, Westminster, Regents Park, Camden Square, Kensington, and Hampstead Observatory.

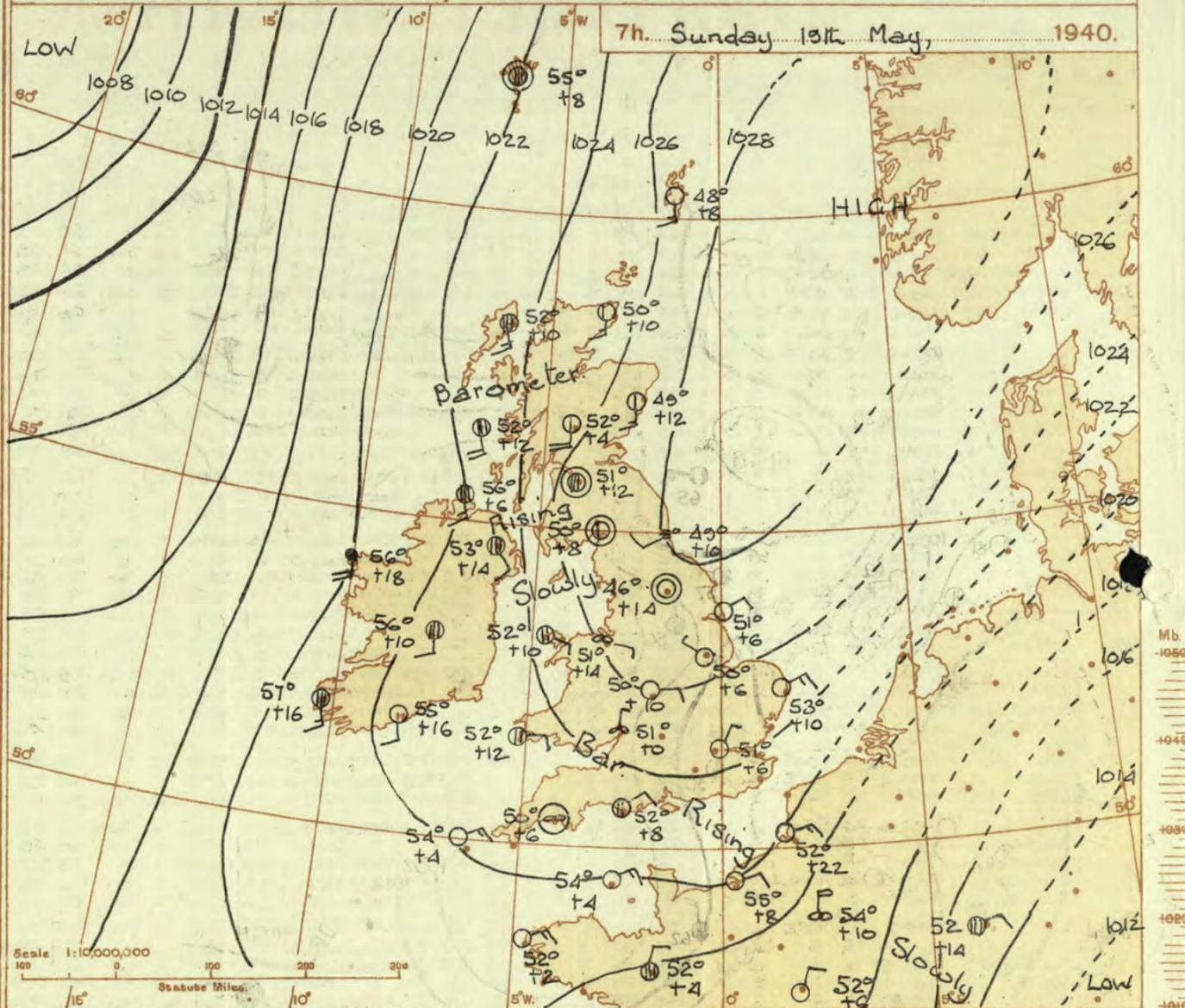
FOREIGN OBSERVATIONS table showing data for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. table providing detailed definitions for weather symbols, barometric tendency, wind scale, and other meteorological notations.

EXPLANATION OF FIGURES, LETTERS, etc. table (continued) providing definitions for surface visibility, state of sea, and rainfall measurements.



# AIR MINISTRY, METEOROLOGICAL OFFICE.



**DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th May, 1940.**

1 S.E. England	Wind northeast mainly light to moderate, but fresh at times on the Southeast coast; fine, apart from local early morning fog temporarily and some low cloud in early morning on the coast of East Anglia and Kent; rather cool near the East Coast; rather warm in the West.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Wind southeast to south, light; fine; local fog temporarily in the early morning; average temperature to rather warm.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Moderate southerly wind; fair or fine; rather warm.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Wind southerly moderate or fresh on the coast; mainly cloudy; light coastal rain in the West occasionally; rather warm.
18 N. E. Ireland	
19 S. E. Ireland	Wind southerly, light to moderate; fair; rather warm.
20 S. W. Ireland	As 17.

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.

**GENERAL INFERENCE.**

An anticyclone centred over Norway is spreading slowly west-southwest. Weather will be fair or fine generally apart from some light coastal rain in West Ireland. Conditions will be rather warm in the West but temperatures will be below average near the East Coast. Fog will occur locally in the early morning.

**FURTHER OUTLOOK.**

Fair generally but temperatures expected to fall slowly.

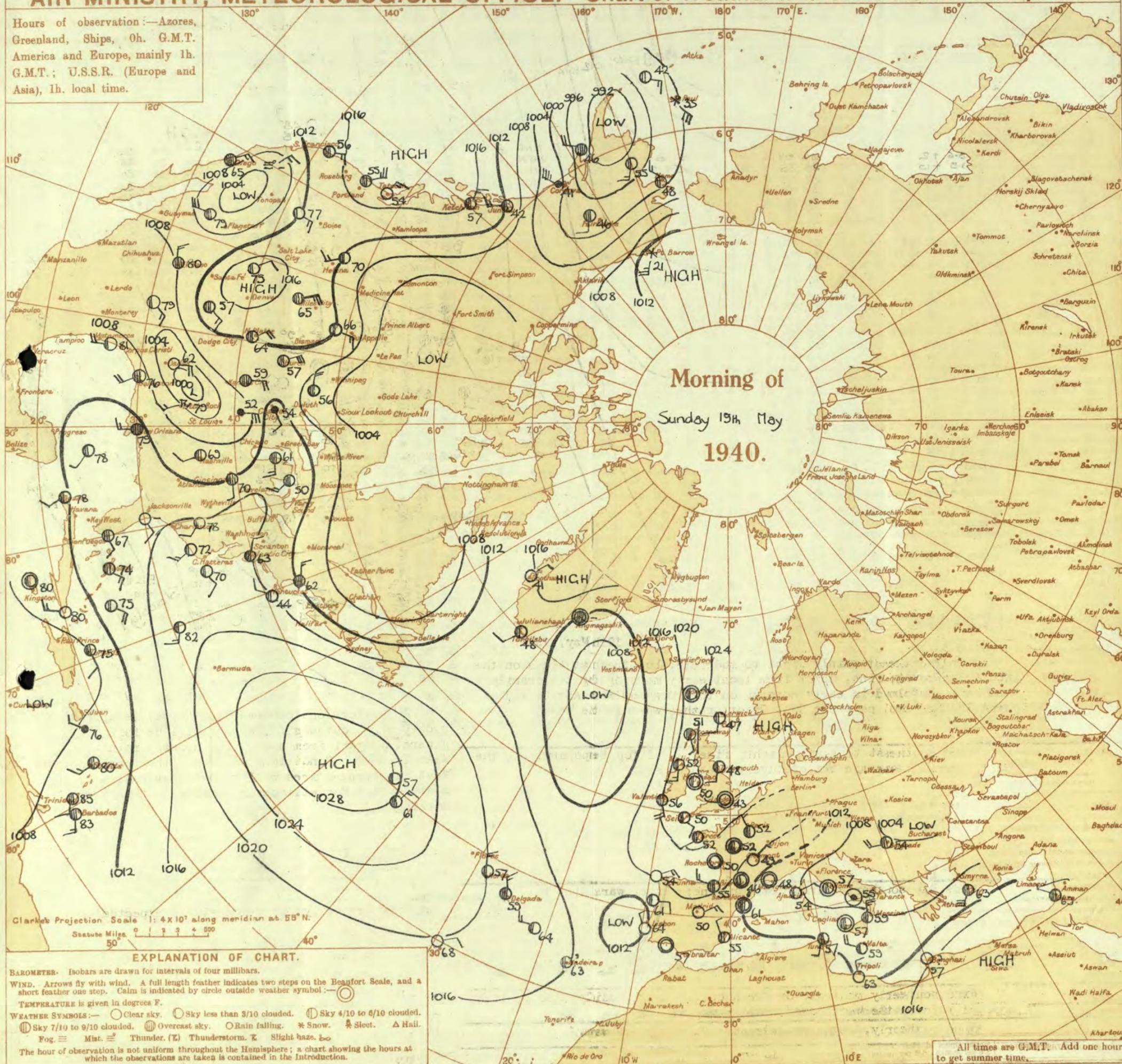
Forecasts issued at 1030.

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

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500  
 50°

### 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. (Z) Thunderstorm. ≡ Slight haze. ≡  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for 19th May 1940, including columns for District, Stations, Barom., Wind, Temp., Humid., Cloud, and Sea.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Humidity, and Visibility.

Table of atmospheric pollution data for South Kensington and Kew Observatory, including columns for Max. and Min. values.

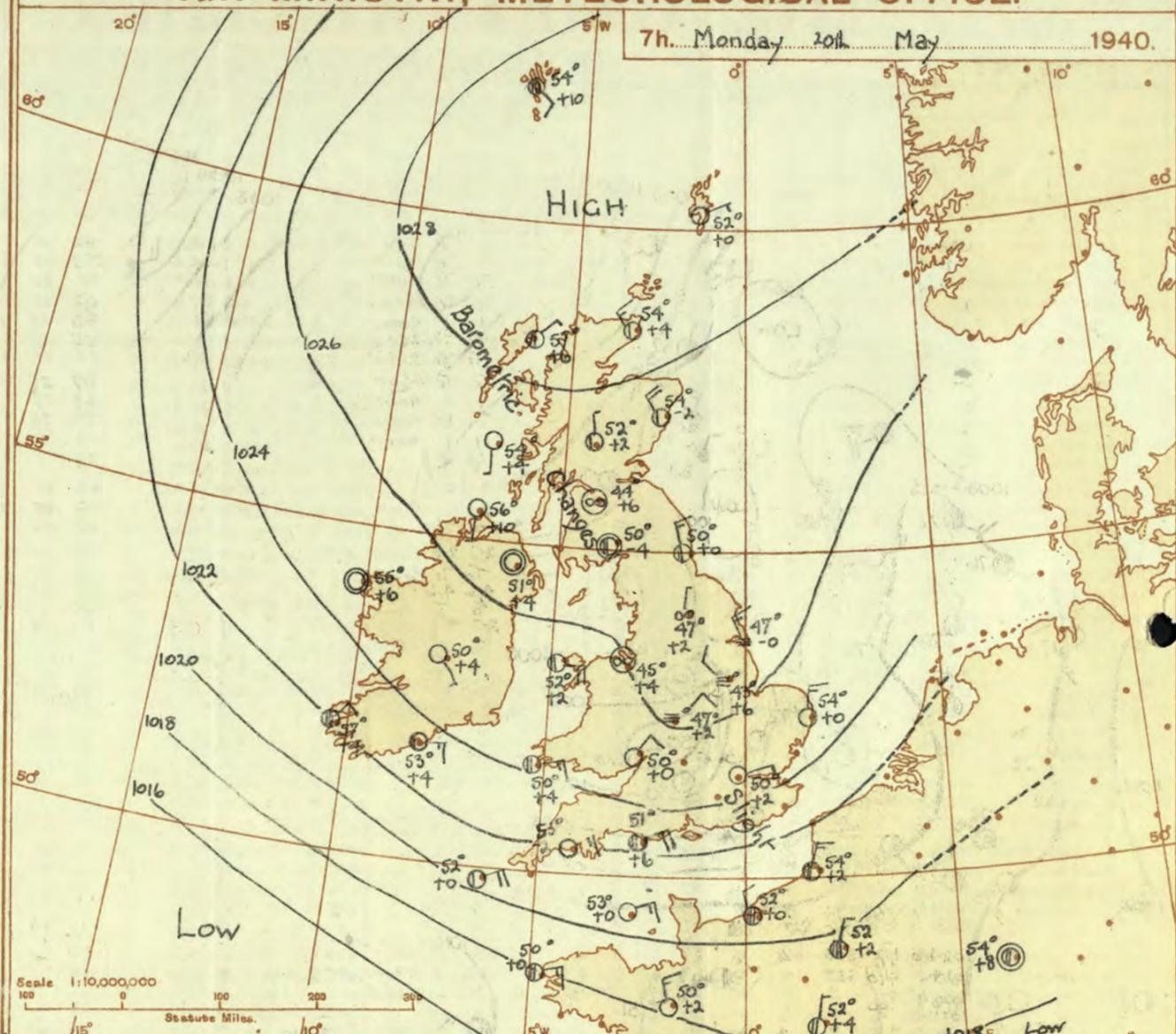
EXPLANATION OF FIGURES, LETTERS, etc. section containing codes for barometric tendency, surface visibility, wind scale, and state of sea.

FOREIGN OBSERVATIONS table for 18th and 19th May, listing stations like Paris, Brussels, Berlin, Zurich, and Rome.



AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 20th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th May, 1940.
1 S.E. England	Moderate east to northeast wind, fresh locally on coast; fine or fair but low cloud at places on east coast in early morning; day temperature rather above average inland; cool near the coast.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate easterly wind, fresh locally on south coast; mainly fine and rather warm but cool locally on coast.
5 S.W. England	
6 South Wales ...	Light variable or northeast wind; fine; rather warm.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light or moderate northeast wind; fair, low cloud at places on coast in early morning; day temperature rather above average inland but cool near coast.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 9.
13 { A. W. Scotld. B.N.W.Scot- land.	Light variable or easterly wind; mainly fine; day temperature rather above average inland; cool near east coast.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 7 - 9.
18 N. E. Ireland	As 4 - 6.
19 S. E. Ireland	
20 S. W. Ireland	

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.

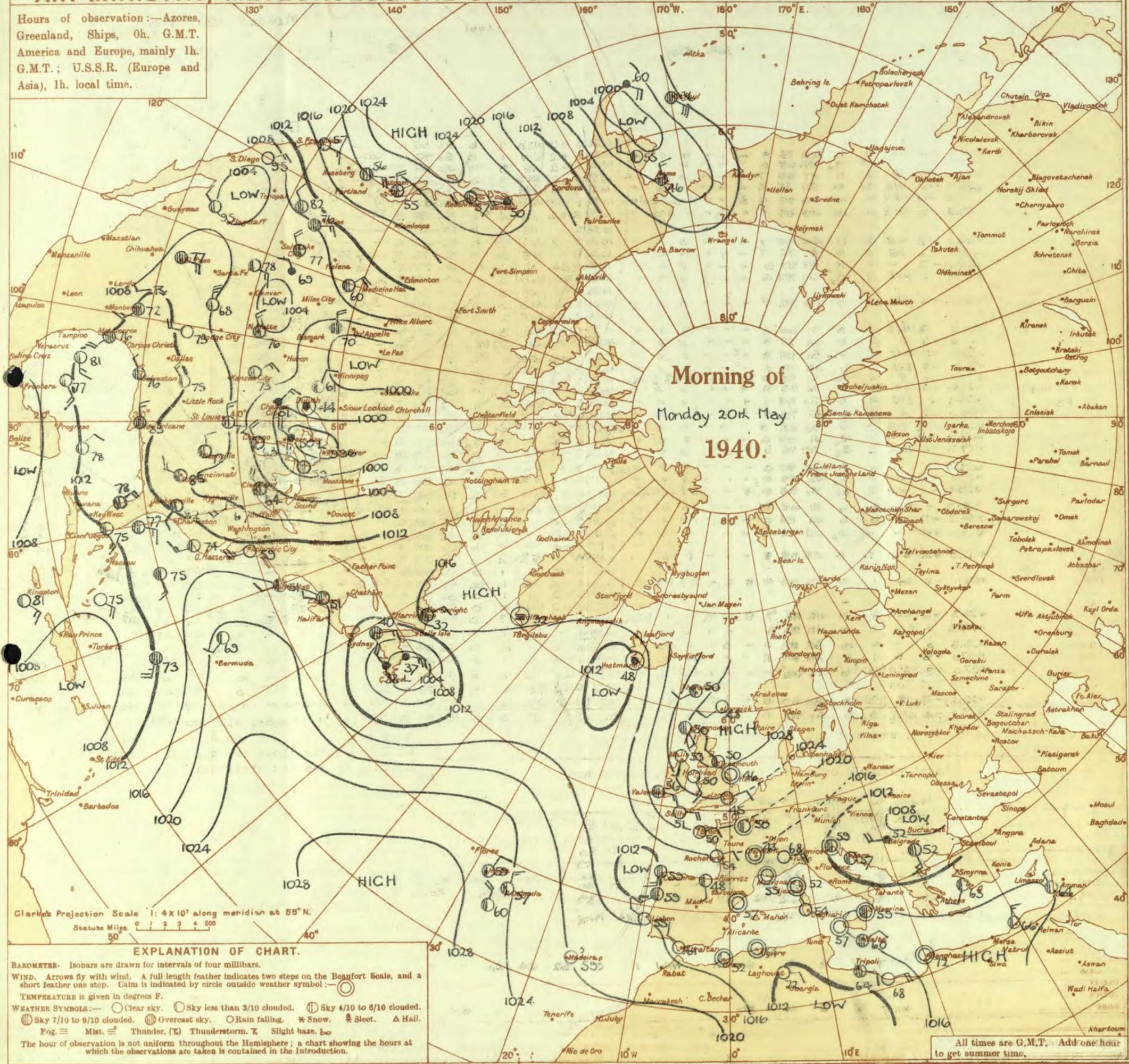
**GENERAL INFERENCE.**  
 An anticyclone centred near Shetland is moving slowly west. Weather will continue fair or fine over most of the British Isles. Day temperature will be rather above average inland but it will be cool in eastern districts.

**FURTHER OUTLOOK.**  
 Mainly fair, but dull and cool on east coast.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Monday 20th May  
1940.

Clarke's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with 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. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) 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.

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THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main weather observation table with columns for District, Stations, Barom., Wind, Temp., Humid., Cloud, and various other meteorological data points.

LONDON OBSERVATIONS

Table of London observations for Kew, Croydon, Greenwich, City, Westminster, Regents Park, Camden Square, Kensington, and Hampstead.

FOREIGN OBSERVATIONS

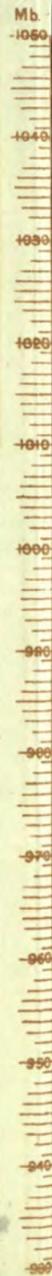
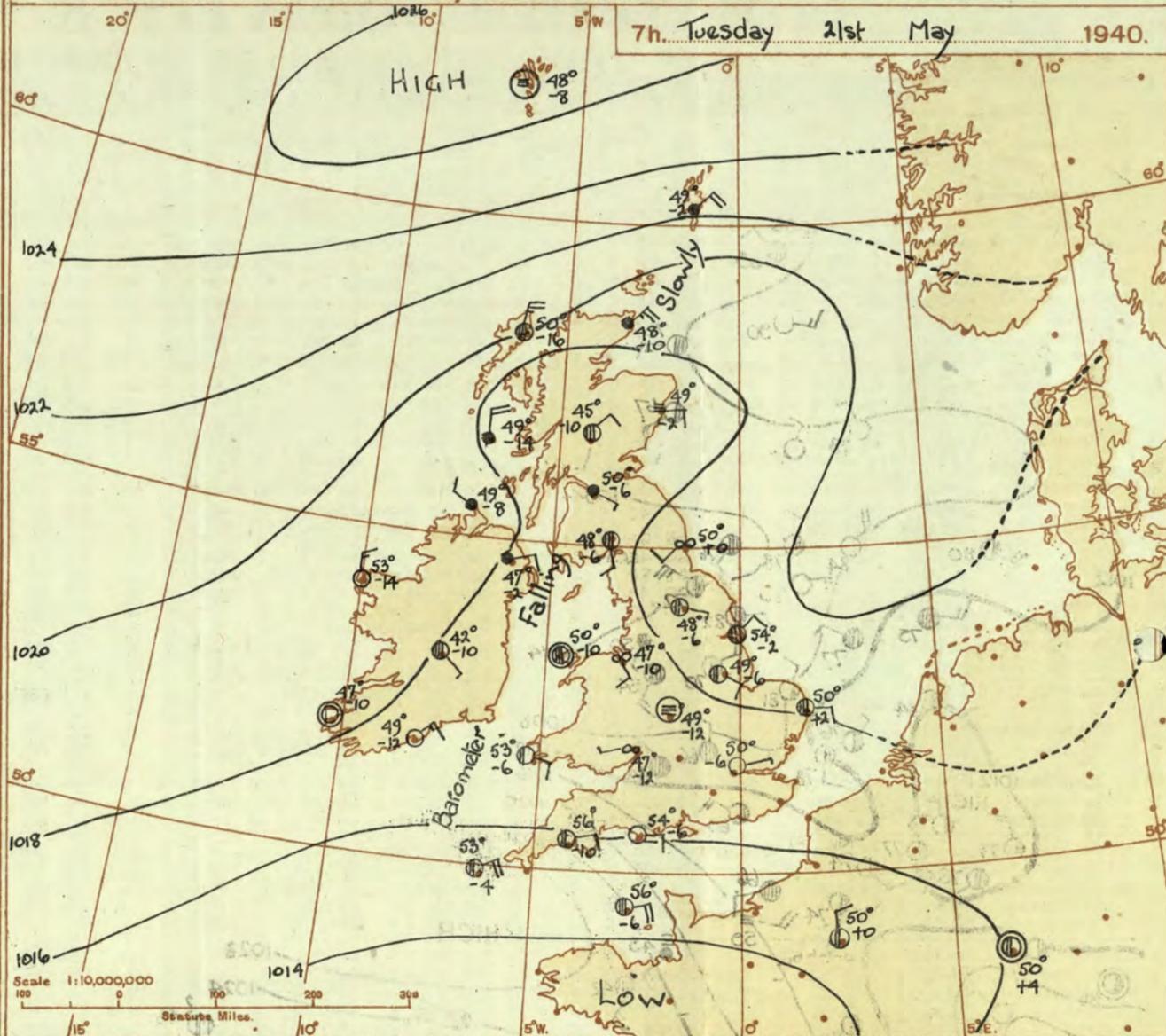
Table of foreign observations for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc.

Detailed explanation of the symbols and figures used in the weather report, including barometric tendency, wind scale, and visibility codes.



AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st May, 1940.

1 S.E. England	Light or moderate east wind, bright periods but chance of local thunderstorms later today, more widespread thundery rain tomorrow; dull on East Coast early tomorrow; local fog on East Coast; rather warm inland but cool on East Coast.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light variable to easterly wind; cloudy with rain at first, bright periods later with chance of local thunderstorms; dull at times on East Coast with local fog; average temperature.
9 N. Midlands ...	
10 N.E. England	Moderate or fresh east to northeast wind; cloudy with occasional rain at first; bright periods later; fog at times on coasts; average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	As 12 - 14,
14 Mid Scotland	
15 N. E. Scotland	Light or moderate east wind; bright periods; local thunderstorms; rather warm inland.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 12 - 14,
18 N. E. Ireland	
19 S. E. Ireland	Light or moderate east wind; bright periods; local thunderstorms; rather warm inland.
20 S. W. Ireland	

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.

GENERAL INFERENCE.

Pressure is high from south of Iceland to Finland and a depression over the Bay of Biscay is moving slowly north. A shallow depression over Scotland is moving west. There will be further rain at first in the North soon followed by an improvement from eastwards. In the South weather will be mainly fair today but local thunderstorms are probable later in most districts more especially tomorrow.

FURTHER OUTLOOK.

Unsettled with thundery rain in many districts.

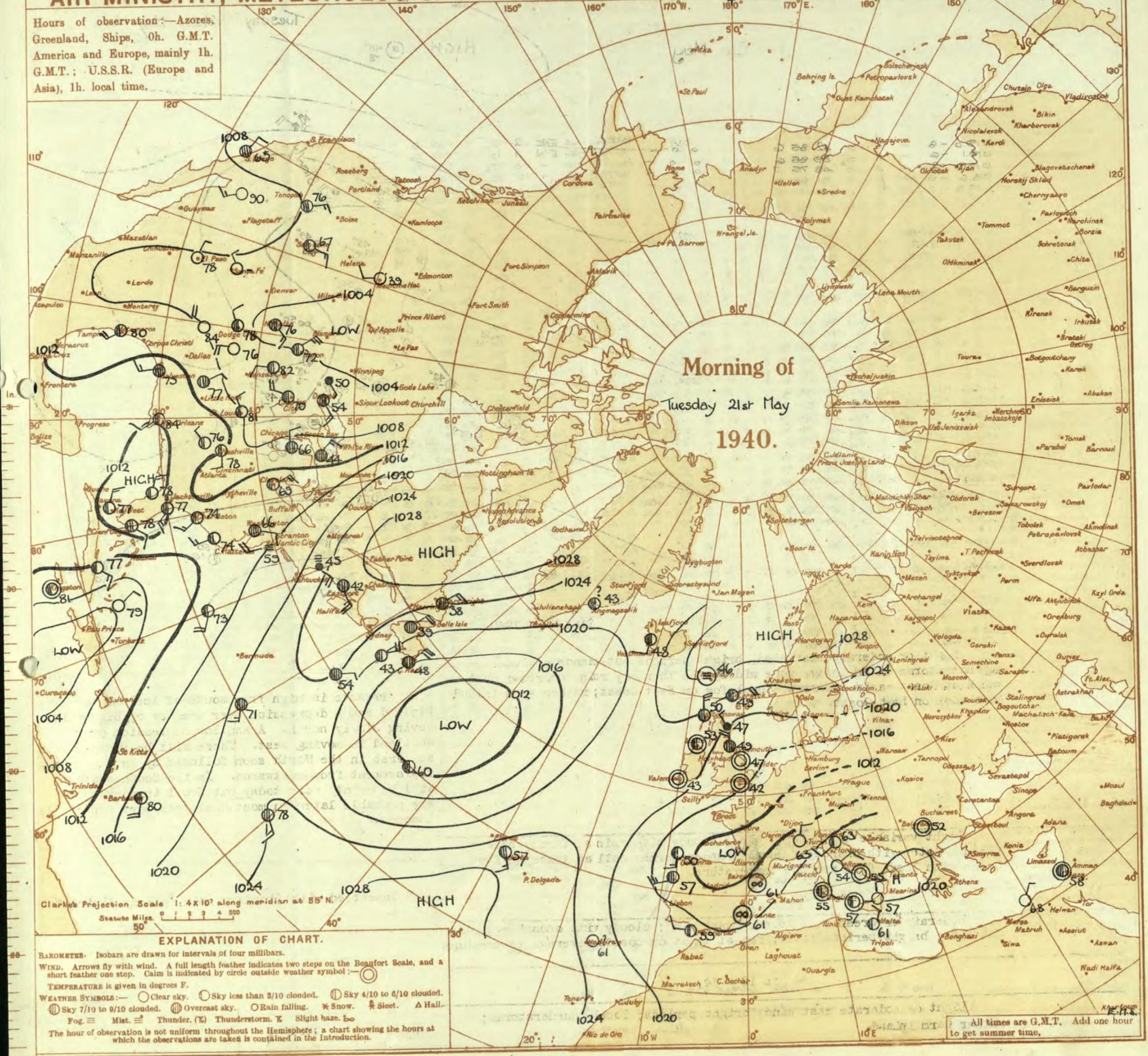
Forecasts issued at 1030.

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

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

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THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for 21st May, including columns for District, Stations, Barom., Wind, Temp., Humid., Cloud, and Sea.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc. section providing detailed definitions for weather symbols and codes used in the report.

Table for SOUTH KENSINGTON and KEW OBSERVATORY observations, including Max., Time, Min., and Time columns.

FOREIGN OBSERVATIONS table listing data for Paris, Brussels, Berlin, Zurich, and Rome.

Table for atmospheric pollution and sea state observations, including columns for Milligrams of Solid Impurity and State of Sea.

Table for atmospheric pollution and sea state observations, including columns for Milligrams of Solid Impurity and State of Sea.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Wednesday 22nd May 1940.  
No. 28,671.

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

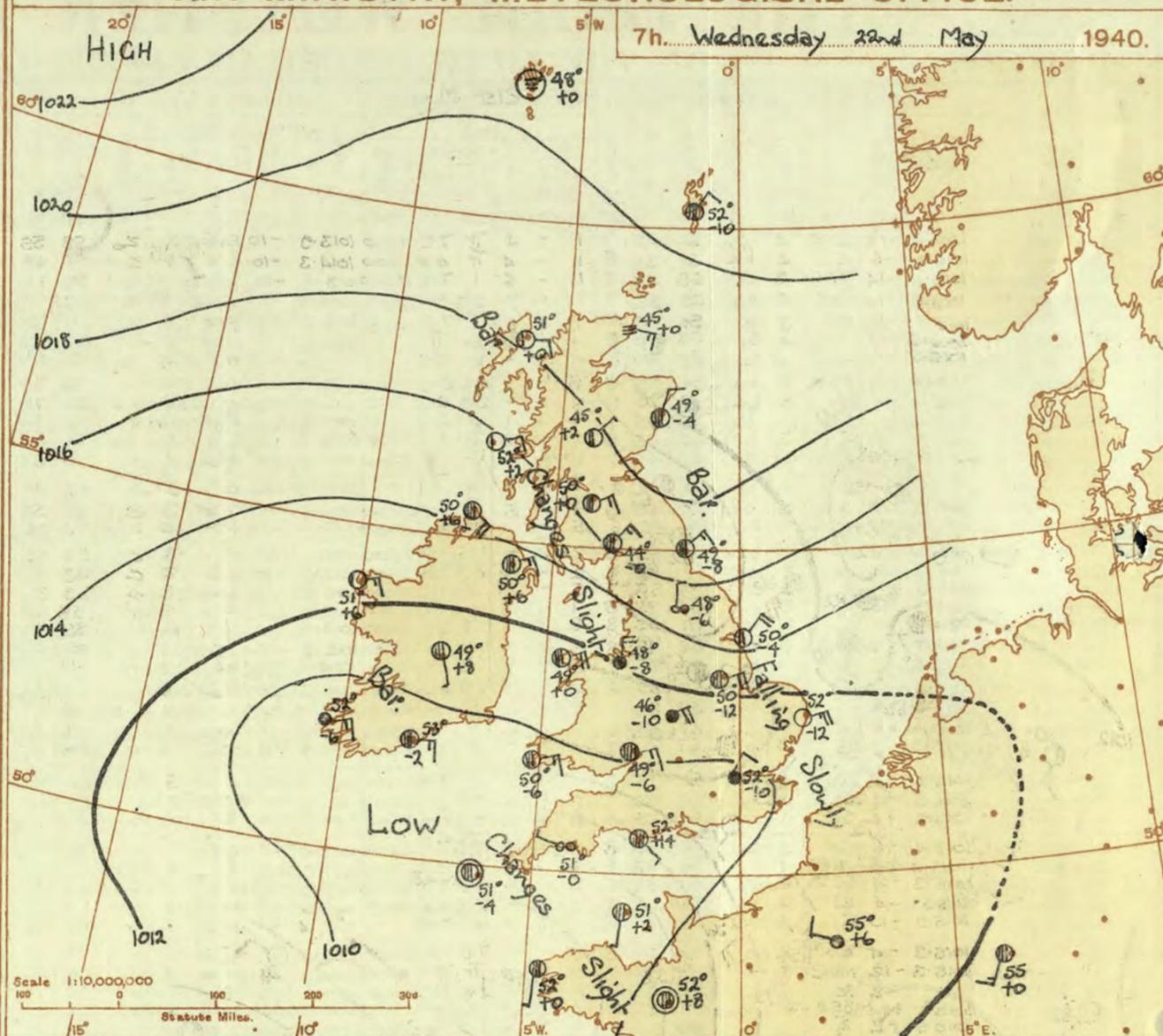
OBSERVATIONS at 18h. G.M.T. 21st May

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Dirac. 0-12 (3)	Force. (4)				Weather. (5)	Form.		Height of Base. (feet) (14)	Dirac. 0-12 (17)			Force. (18)	Weather. (19)				Form.	Amount	Height of Base. (feet) (28)	Form.	Amount			Height of Base. (feet) (28)	7h.—18h. ...21st. (37)	13h.—18h. ...21st. (38)	18h. 21st to 1h. 22nd (39)	1h.—7h. ...22nd (40)			
										Low.	Med.																						High	Low	Med.
1	London (Kew)...	1016.0	-12	ENE	4	bc	61	45	7	1	4	Tr	7.8	4000	1013.9	-10	ENE	5	20	58	55	6	5	2	-	2.3	10	4500	0	*	bzobcy	cy@czcy	czyc	ccr,m	
	Croydon ...	1016.2	-6	E	4	bc	61	55	8	1	4	Tr	4.6	4000	1014.3	-10	EN	4	20	56	65	6	5	2	-	2.3	10	5700	0	*	bzobcy	cy@czcy	ccm	ir,r,r	
	S. Farnborough	1015.1	-14	ENE	3	c	65	45	8	1	6	Tr	7.8	4000	1013.1	-10	NE'E	3	20	59	55	7	5	1	7	-	2.3	10	5700	0	*	bzobcy	cy@czcy	ccm	ir,r,r
	Boscombe Down	1014.5	-14	ENE	2	z0	65	35	7	1	7	2.3	9	4000	1012.3	-6	ENE	3	20	62	45	8	5	1	8	4.9	10	4000	0	*	bzobcy	cy@czcy	ccm	ir,r,r	
	Calshot (Soton.)	1014.8	-16	SE	3	bc	59	75	7	1	3	6	7.8	4000	1012.2	-14	ESE	2	20	58	85	6	5	1	7	7.8	10	4000	0	2	bbc	ccm	ccm	ccm	
	Lymington	1016.3	-10	NE	4	bc	58	65	8	1	9	1	7.8	4000	1014.5	-10	NE'N	2	20	54	85	6	5	1	7	7.8	10	4000	0	2	bbc	ccm	ccm	ccm	
Manston	1016.8	-10	ENE	4	z0	57	75	6	1	3	1	2.3	-	1014.6	-16	NE'E	4	20	53	85	6	5	1	7	2.3	0	5700	0	*	cmobz0	bz0cm0	cm0	bcm,cm0		
2	Shoeburyness ...	1017.2	-8	NE'E	3	bc	56	75	8	5	-	4.6	4.6	1500	1015.2	-14	NNE	4	bc	53	85	8	1	5	6	0	2.3	-	0	*	cbc	bc	bbc	pr	
	Felixstowe ...	1018.2	-6	EN	3	bc	56	75	8	5	-	2.3	2.3	800	1015.9	-12	NE'E	4	bc	52	75	8	1	5	6	0	4.6	-	0	2	b,cbc	bcb	bcc	cb,c	
	Gorleston ...	1018.6	0	E'S	3	bc	54	65	7	1	1	1	2.3	-	1017.2	-6	ENE	4	bc	53	75	8	1	5	0	4.6	-	0	2	b,cbc	bcb	bcc	cb,c		
	Mildenhall ...	1016.9	-8	E	3	bc	65	45	8	1	4	Tr	1	4000	1015.3	-6	EN	4	bc	61	55	8	1	5	0	4.6	-	0	2	b,cbc	bcb	bcc	cb,c		
	Cranwell ...	1017.1	-10	ESE	3	bc	64	45	7	1	1	Tr	Tr	2500	1015.9	-6	ENE	4	bc	61	55	8	1	5	0	4.6	-	0	2	b,cbc	bcb	bcc	cb,c		
3	Birmingham	1015.9	-6	SE	2	bc	63	45	8	1	8	0	1r	-	1013.9	-12	E	3	20	63	45	8	1	6	4.6	9	4000	0	*	b,cbc	b,cbc	c	ccr		
	Upper Heyford	1016.0	-8	E'S	3	bc	65	45	8	1	5	1r	2.3	4000	1014.1	-10	E'6	3	20	62	55	8	1	6	1	9	4000	0	*	b,cbc	b,cbc	c	ccr		
	Ross-on-Wye ...	1014.8	-12	NE'E	3	z0	66	45	6	5	-	2.3	2.3	4000	1013.1	-10	EN	2	20	63	55	8	1	6	1	9	2500	0	*	bz	bz	c	ccr		
	Hartland Point	1014.6	-8	NE	2	bc	57	65	8	2	4	2.3	4.6	2500	1012.1	-12	E	3	20	54	65	8	1	5	1	4.6	9	2500	0	2	b,cbc	b,cbc	c	ccr	
	Bristol ...	1014.6	-14	NE	2	bc	67	45	7	2	6	2.3	7.8	2500	1012.3	-10	E'S	3	20	63	55	7	5	1	1	10	4000	0	2	b,cbc	b,cbc	c	ccr		
	Portland Bill ...	1014.9	-16	E	3	c	53	85	7	5	1	10	10	4000	1011.7	-12	ENE	2	0	53	85	7	8	1	1	10	4000	0	2	b,cbc	b,cbc	c	ccr		
	Plymouth ...	1014.3	-10	E'S	3	c	62	35	8	1	5	1	9	4000	1012.5	-6	E	3	20	58	65	7	8	1	1	4.6	10	4000	0	1	b,cbc	b,cbc	c	ccr	
	The Lizard ...	1014.8	-4	E	3	c	57	65	8	8	2	7.8	9	2500	1013.0	-4	EN	2	20	55	75	8	2	1	9	10	1500	0	2	b,cbc	b,cbc	c	ccr		
	Soilly (St. Mary's)	1014.7	-2	ENE	3	c	58	75	8	8	7	4.6	9	2500	1012.8	-12	E	0	20	56	65	8	8	7	1	4.6	9	2500	0	1	b,cbc	b,cbc	c	ccr	
	Guernsey ...	1022.8	-8	ENE	4	c	52	85	7	5	2	7.8	10	1500	1010.4	-12	NE	2	20	51	87	6	5	2	1	9	10	1500	1	3	c	ccr	ccr	c	
6	Pembroke ...	1015.4	-6	W'S	1	z0	58	65	6	2	7	2.3	4.6	2500	1012.6	-10	NE	2	20	61	65	7	8	7	1	4.6	7.8	2500	0	0	bz0	bz0	c	ccr	
	Holyhead ...	1014.8	-8	-	0	z0	53	85	7	1	1	Tr	1	2500	1013.3	-10	-	0	55	65	8	1	9	1	0	2.3	-	0	1	bz0	bz0	c	ccr		
	Chester (Sealand)	1015.0	-8	E	1	z0	67	45	6	1	1	1	1	2500	1013.6	-6	SSE	2	20	63	45	6	5	3	1	4.6	9	5700	0	*	bz0	bz0	c	ccr	
8	Manchester ...	1015.7	-6	S	3	bc	67	35	7	1	1	Tr	Tr	4000	1014.5	-4	SSE	4	20	66	45	6	7	6	2.3	7.8	4000	0	*	bz0	bz0	c	ccr		
10	Spurn Head ...	1018.2	-2	E'S	4	c	54	75	7	1	8	0	7.8	-	1017.4	0	E	3	20	50	92	7	2	1	2.3	2.3	1500	0	3	c	ccr	ccr	c		
	Catterick ...	1016.8	-4	SE'S	3	bc	63	55	7	2	6	1r	4.6	4000	1016.0	0	SE'S	3	20	59	65	9	1	8	0	1	-	0	0	2	b,cbc	b,cbc	c	ccr	
	Tynemouth ...	1018.9	+2	SE	4	bc	54	75	8	8	3	2.3	4.6	2500	1018.5	-6	SE	4	20	51	92	7	8	1	4.6	7.8	2500	0	2	b,cbc	b,cbc	c	ccr		
11	St. Abbs Head	1017.4	+6	SE	3	bc	51	85	8	2	4	5	2.3	4.6	2500	1017.0	-4	SE	4	20	50	92	8	4	4	5	4.6	7.8	2500	0	3	bc	bc	bc	bc
	Leuchars ...	1017.4	+6	E	1	bc	54	85	8	8	1	9	9	1500	1017.9	+2	E	4	bc	54	85	8	1	1	1	Tr	2.3	4000	1	*	b,cbc	b,cbc	c	ccr	
	Ranfur (Abbots L.)	1016.3	-4	SE'E	2	z0	59	55	6	8	6	4.6	9	1500	1014.9	-10	EN	4	20	60	65	7	8	1	6	1	7.8	4000	0	*	b,cbc	b,cbc	c	ccr	
12	Eastdalemuir	1015.5	-4	SE	3	bc	60	45	8	7	7	2.3	4.6	4000	1014.6	-2	SE'E	4	20	58	55	6	1	1	0	0	2	-	0	0	1	b,cbc	b,cbc	c	ccr
	Point of Ayre ...	1015.9	-10	E	2	c	54	85	8	1	5	0	7.8	-	1014.4	-8	SE'S	3	20	56	75	8	1	4	1	0	Tr	-	0	1	c	ccr	ccr	c	
13A	Three ...	1015.3	-4	E'N	2	c	57	75	8	5	-	7.8	7.8	2500	1015.0	0	ENE	1	20	56	75	8	5	1	1	7.8	7.8	2500	0	1	c	ccr	ccr	c	
	Stornoway ...	1018.3	-12	NNE	6	c	53	85	7	5	4	3	4.6	2500	1018.1	0	NNE	3	20	53	85	8	2	4	5	Tr	9	4000	1	2	ccr	ccr	ccr	c	
15	Dalwhinnie ...	1018.3	-2	SE	3	c	52	75	8	2	1	4.6	10	4000	1017.6	-2	SE	4	20	51	75	7	8	2	1	7.8	10	2500	1	*	ccr	ccr	ccr	c	
	Aberdeen ...	1018.7	+14	SSE	4	c	51	85	7	8	1	10	10	1500	1019.4	+2	SE'E	2	20	50	92	7	8	4	1	2.3	2.3	1500	0	1	ccr	ccr	ccr	c	
16	Wick ...	1019.5	+2	E	4	c	48	92	7	5	7	7.8	10	800	1019.2	-4	ESE	4	20	49	85	8	5	4	1	Tr	1	2500	1	2	ccr	ccr	ccr	c	
	Lerwick ...	1022.7	0	ENE	3	c	52	92	8	8	7	7.8	9	1500	1021.6	-2	S	4	20	52	92	8	5	7	1	7.8	9	1500	0	2	ccr	ccr	ccr	c	
17	Blackod Point ...	1016.2	-12	N'E	4	bc	52	92	7	6	1	10	10	4150	1013.2	-28	H	4	20	51															

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 22nd May 1940.



ISM 1022 Feb 22nd May 1940

ISM 1015

ISM 1016

ISM 1012

ISM 1010

ISM 1008

ISM 1006

ISM 1004

ISM 1002

ISM 1000

ISM 998

ISM 996

ISM 994

ISM 992

ISM 990

ISM 988

ISM 986

ISM 984

ISM 982

ISM 980

ISM 978

ISM 976

ISM 974

ISM 972

ISM 970

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd May, 1940.
1 S.E. England	Light variable or southwest wind, mainly cloudy, some thundery rain; local fog in early morning; average temperature.
2 E. England ...	Moderate east wind fresh on coast, becoming variable; mainly cloudy, widespread rain at first, local rain and thunder later; local fog in early morning; rather cold at first temperature becoming average.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable wind, mainly cloudy; some thundery rain; average temperature.
6 South Wales ...	As 2 - 4.
7 North Wales ...	Moderate easterly wind; cloudy, rain at times; fog on East Coast; rather cold.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate easterly wind; mainly fair; coastal fog in east; rather cold in east, average temperature in west.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotland. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Moderate easterly wind; mainly fair but chance of local thunderstorms in afternoon; average temperature or rather warm.
19 S. E. Ireland	Moderate easterly wind, mainly cloudy, occasional rain; local thunder; average temperature.
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

Pressure is high from south of Iceland to Spitzbergen. A complex depression covers Southern Britain and the Bay of Biscay and an active centre over the south of England is moving north-northeast. It will be mainly cloudy with rain spreading northwards over most of England and South Scotland and there will be thundery rain later in the South. It will be mainly fair in North Scotland.

**FURTHER OUTLOOK.**

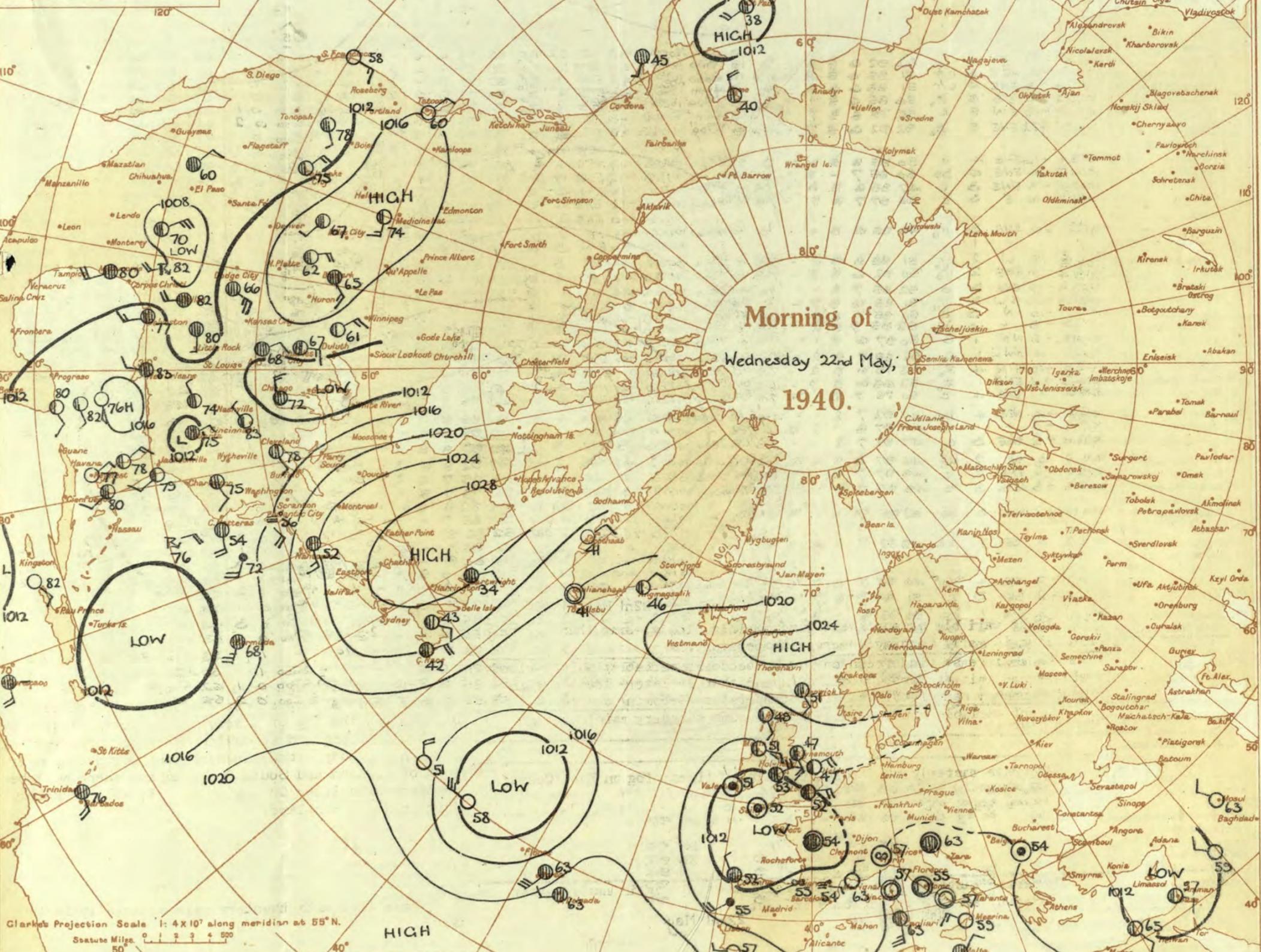
Unsettled with thundery rain especially in the South.

Forecasts issued at 1050. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Wednesday 22nd May,  
1940.



**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. (T) Thunderstorm. K Slight haze. ☁

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for DISTRICT, STATIONS, OBSERVATIONS at 1 hr. G.M.T., OBSERVATIONS at 7 hr. G.M.T., and PAST 24 HOURS. Includes sub-columns for Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, etc.

LONDON OBSERVATIONS table with columns for Height above sea level, Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution.

Table for FOREIGN OBSERVATIONS with columns for Stations, Barom., Wind, Weather, Temp., and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 18, 30, and 34, 35.

DUPLICATE

SEARCHED

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Thursday 23rd May, 1940.  
No 28,672.

Page 2  
AIR  
MINISTRY.

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

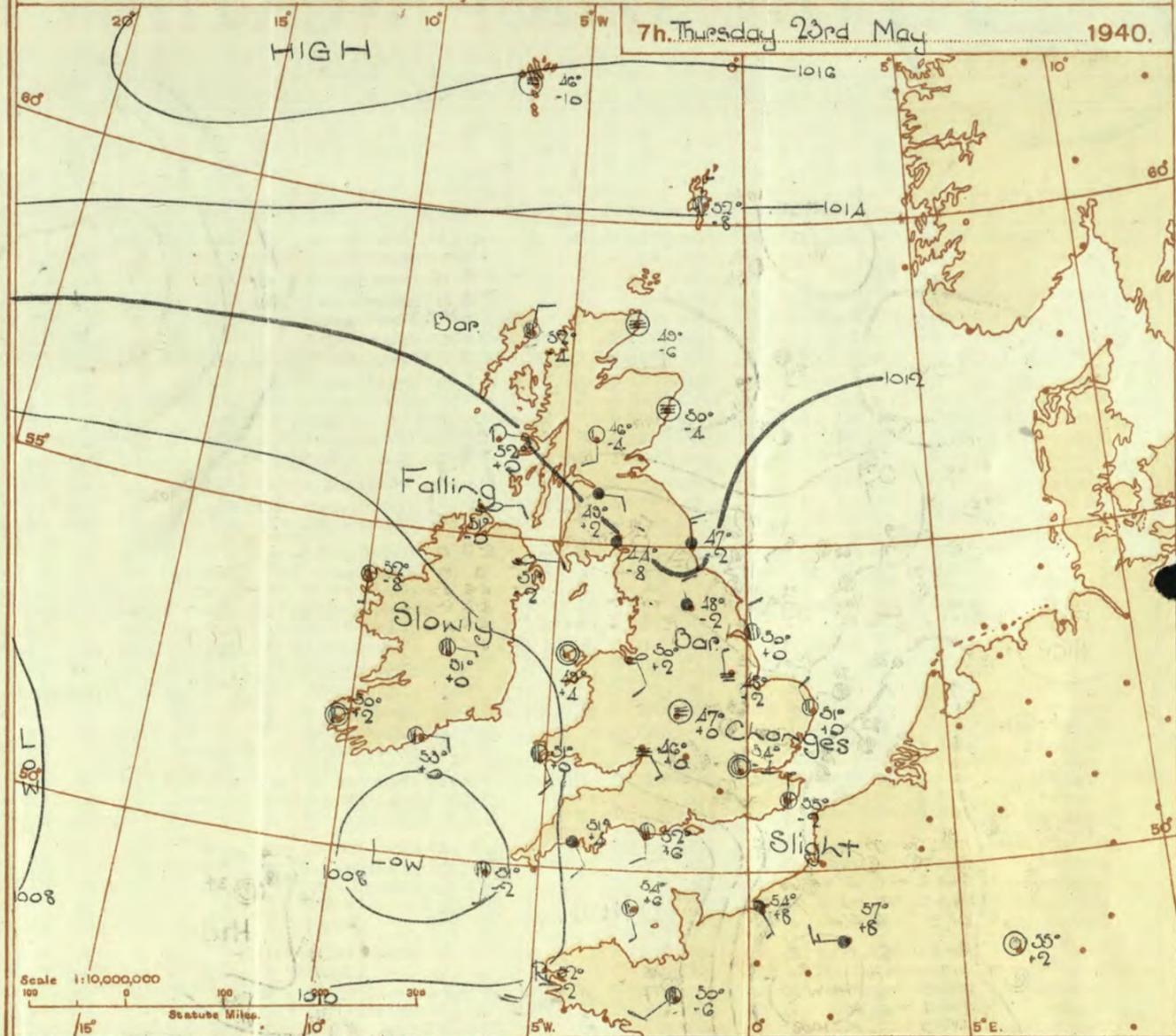
OBSERVATIONS at 18h. G.M.T. 22nd May

PAST 24 HOURS.

District	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (30)	WEATHER.											
				Dirac. (3)	Force. (4)				Form. (9)	Amount. (10)	Height of Base. (feet). (14)	Dirac. (17)			Force. (18)	Form. (23)				Amount. (24)	Height of Base. (feet). (28)	7h.-13h. 22nd (37)	13h.-18h. 22nd (38)		18h.-22nd 22nd (39)	1h.-7h. 23rd (40)										
																											Low	Med.	High	Low	Med.	High	Low	Med.	High	
1	London (Kew)...	1011.0	+4	SW	2	0/r	56	75	6	5	-	10	1500	1011.0	-2	SSW	2	bc	61	65	7	8	-	4-6	4-6	2500	1	*	cr,rr,cm	cm,cbc	bcb	bcm,w				
	Croydon ...	1010.6	+6	-	0	c/r	56	85	6	5	-	7-8	1500	1010.6	-2	S'W	1	bc	61	65	7	2	-	5	1	2-3	4000	1	*	rr,rr	cm,cbc	bcm,w	bcm,w			
	S. Farnborough	1010.7	+6	SE	1	c	58	75	7	2	-	7-8	1500	1010.2	-2	S'W	3	bc	61	65	7	1	-	1	1	2500	1	*	rr,rr	cb	bcm,w	bcm,w				
	Boscombe Down	1009.7	0	SSE	3	z	60	65	8	7	-	7-8	2500	1010.2	+2	S	3	bc	58	65	8	2	7	-	2-3	4-6	5700	0	*	cm	cm,cbc	bcm,w	Feb,cb			
	Calshot (Soton)	1009.5	+6	SW'S	3	a	61	75	7	2	-	3	4-6	7-8	2500	1010.9	+2	S'W'S	3	bc	60	65	7	1	3	Tr	1	4000	0	1	cm	cb,cb	bcm,w	bcm,w		
	Lympe	1012.1	+10	SW	2	fs	56	85	8	7	-	9+	9+	1500	1012.2	+2	SSE	3	bc	60	65	8	1	-	4	0	9	-	1	cm	cb,cb	bcm,w	bcm,w			
	Manston	1012.8	+4	WNW	4	z	59	75	6	5	7	1	2-3	9	1500	1010.9	-2	WSW	3	bc	61	65	7	5	-	2	1	7-8	2500	0	*	cb	cb	bcm,w	bcm,w	
2	Shoeburyness ...	1010.7	+2	WNW	3	c	58	75	6	5	7	4	4-6	9+	4000	1010.7	0	SW	1	20	61	75	6	8	-	2	2-3	7-8	4000	1	*	rr,rr	cm,cbc	bcm,w	w,cb	
	Felixstowe	1010.5	+4	W	3	ir	58	75	6	5	7	4	4-6	10	1500	1010.9	+2	W'S	2	bc	62	65	8	1	-	2	Tr	4-6	2500	1	2	cm	cb,cb	bcm,w	bcm,w	
	Gorleston	1011.0	0	E	4	c/pr	53	75	6	2	-	0	10	-	-	1010.6	0	W	1	bc	56	85	6	5	3	-	4-6	7-8	2500	0	2	bc	cb,cb	bcm,w	bcm,w	
	Mildenhall	1010.1	+10	SSE	4	ir	56	85	6	5	2	-	9+	10	1500	1010.5	+2	WSW	3	bc	58	78	8	2	4	6	2-3	4-6	4000	1	*	cm	cb,cb	bcm,w	bcm,w	
	Cranwell	1010.1	-18	ESE	5	c	60	55	7	5	3	-	7-8	0	800	1010.8	+4	E	3	bc	50	97	6	5	2	-	9+	10	800	1	*	cy	cy	bcm,w	bcm,w	
3	Birmingham	1011.5	0	NE	1	ir	49	97	2	-	2	-	10	10	450	1010.6	-4	NW	1	z	55	75	5	1	-	-	2-3	2-3	1500	1	*	rr,rr	cb,cb	bcm,w	bcm,w	
	Upper Heyford	1010.6	-4	N	2	ir	51	97	8	7	-	7-8	9+	1500	1010.7	+4	SW	1	bc	59	75	7	1	-	5	Tr	1	2500	1	*	rr,rr	cb,cb	bcm,w	bcm,w		
4	Ross-on-Wye	1010.3	0	ESE	3	c/d	53	92	6	6	1	-	9+	10	1500	1010.1	0	NE	2	bc	56	85	8	8	-	-	7-8	7-8	2500	1	*	id,cb	cb	bcm,w	bcm,w	
5	Hartland Point	1009.1	+4	W	2	c	54	85	7	8	6	-	2-3	9	1500	1009.5	+4	W	2	bc	55	85	7	5	4	-	4-6	4-6	2500	0	2	cb	cb,cb	bcm,w	bcm,w	
	Bristol ...	1009.7	-2	SE	2	ir	56	85	6	6	2	-	3	9	1500	1009.8	+4	W	2	bc	59	65	8	2	6	1	1	2-3	2500	1	2	cb	cb,cb	bcm,w	bcm,w	
	Portland Bill	1010.3	+6	SE	3	bc	54	85	8	2	-	-	4-6	4-6	4000	1010.8	-4	S	2	bc	54	85	8	2	-	1	2-3	4-6	4000	1	2	cb	cb	bcm,w	bcm,w	
	Plymouth	1009.5	+2	SSW	3	bc	58	75	7	3	-	-	2-3	2-3	4000	1010.0	+2	SSW	3	bc	55	85	7	2	3	3	2-3	4-6	2500	0	2	cb	cb	bcm,w	bcm,w	
	The Lizard	1009.8	+2	SW	2	bc	59	75	8	6	-	-	4-6	4-6	2500	1010.4	+2	SW	2	bc	57	85	8	8	6	-	4-6	4-6	4000	0	1	bc	bc	bcm,w	bcm,w	
	Scilly (St. Mary's)	1009.6	0	WSW	1	c	57	75	7	8	4	8	4-6	9	1500	1009.6	0	SSW	2	bc	57	75	7	8	-	3	4-6	1500	0	1	cb	cb	bcm,w	bcm,w		
	Guernsey	1010.1	+4	-	0	bc	59	75	8	1	3	-	2-3	2-3	1500	1010.3	+2	-	0	bc	56	75	8	1	7	8	1	4-6	2500	1	2	cb	cb	bcm,w	bcm,w	
6	Pembroke	1009.5	0	SE	3	DD	50	97	3	-	-	-	10	10	450	1009.6	0	S	2	bc	53	92	6	8	6	-	2-3	7-8	2500	1	1	cb	cb	bcm,w	bcm,w	
7	Holyhead	1010.8	0	ESE	4	ir	50	97	5	6	2	-	9+	10	1500	1010.4	-6	N	2	bc	50	97	5	6	2	-	9+	10	2500	1	2	cb	cb	bcm,w	bcm,w	
	Chester (Sealand)	1011.7	-6	SW'S	1	z	51	85	5	2	-	-	10	10	2500	1011.2	-2	-	0	bc	51	92	4	6	2	-	9	10	800	1	*	rr,rr	cb,cb	bcm,w	bcm,w	
8	Manchester	1010.8	-14	NE'E	4	z	60	65	6	8	3	-	9	9+	2500	1010.9	-2	WSW	1	bc	51	97	4	5	2	-	9	10	1500	1	*	cb	cb	bcm,w	bcm,w	
10	Spurn Head	1011.7	-10	NE	4	c	52	85	7	5	-	-	9+	9+	1500	1011.5	0	NE	3	bc	49	97	1	-	-	10	10	450	0	3	cb	cb	bcm,w	bcm,w		
	Catterick	1013.3	-10	NE	3	c	56	75	7	7	1	-	2-3	7-8	2500	1012.3	+2	NNE	4	bc	53	85	6	-	-	2	0	7-8	-	0	cb	cb	bcm,w	bcm,w		
	Tynemouth	1015.8	-6	NNE	3	c	53	85	8	2	3	-	4-6	7-8	2500	1014.9	-2	E	4	bc	52	85	8	2	4	1	2-3	4-6	2500	0	1	cb	cb	bcm,w	bcm,w	
11	St. Abbs Head	1015.4	-10	NNE	2	f-	48	92	3	-	-	-	10	10	450	1014.3	-4	NNE	1	bc	49	97	8	5	6	-	7-8	9	1500	0	1	cb	cb	bcm,w	bcm,w	
	Leuchars	1015.8	-12	ESE	3	c	55	75	7	5	-	-	9+	9+	2500	1014.6	-4	ESE	3	bc	52	85	7	5	3	-	4-6	9+	800	0	*	cb	cb	bcm,w	bcm,w	
	Restrev (Abbots L)	1014.6	-14	E'N	4	bc	59	65	7	2	-	-	4-6	4-6	2500	1013.5	-6	E'N	3	bc	57	75	7	7	-	-	7-8	9+	2500	0	*	cb	cb	bcm,w	bcm,w	
	Eskdalemuir	1013.2	-12	NE'E	4	c	57	55	8	5	-	-	7-8	7-8	4000	1012.4	-2	NE	3	bc	56	65	8	7	7	-	2-3	4-6	4000	0	*	cb	cb	bcm,w	bcm,w	
	Point of Ayre	1011.9	-16	E'N	4	c	55	85	7	-	3	-	0	7-8	-	1010.6	-4	E'N	4	bc	55	85	8	5	3	-	4-6	9+	4000	0	3	cb	cb	bcm,w	bcm,w	
13A	Tiree	1014.4	-8	N'W	2	b	59	75	8	1	-	-	5	Tr	1	4000	1013.0	-16	N	2	bc	(55)	85	7	5	4	8	2-3	7-8	4000	0	2	bc	bc	bcm,w	bcm,w
13B	Stornoway	1017.0	-6	NNE	4	c	58	65	7	-	7	0	10	-	-	1015.9	-6	NNE	4	bc	55	75	7	2	-	6	Tr	7-8	4000	1	2	bc	bc	bcm,w	bcm,w	
15	Dalwhinnie	1015.3	-8	NE	4	bc	66	45	8	6	-	-	2-3	4-6	4000	1014.2	-4	E	4	bc	59	65	8	4	6	8	2-3	7-8	4000	0	2	bc	bc	bcm,w	bcm,w	
	Aberdeen	1016.7	-4	NE	3	c	52	92	7	7	-	-	10	10	2500	1016.3	-10	NE	2	bc	53	97	7	6	-	-	10	10	2500	0	2	cb	cb	bcm,w	bcm,w	
	Wick	1017.9	-12	NE	3	c	80	97	6	5	-	-	4-6	7-8	2500	016.4	-6	NE	2	bc	50	92	6	5	6	-	2-3	4-6	2500	1	1	cb	cb	bcm,w	bcm,w	
	Lerwick	1019.7	-12	NNE	3	c/r	80	97	7	5	2	-	4-6	10	800	1017.7	-8	NE	4	bc	50	85	8	5	7	-	7-8	9+	150							

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 23rd May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd May, 1940.
1 S.E. England	Light variable wind; bright periods, local thunderstorms this afternoon and evening; local fog in early morning; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable wind, freshening from south tomorrow, light rain or drizzle at first, fair tonight, but more general rain setting in early tomorrow; coastal fog later; average temperature.
6 South Wales ...	
7 North Wales ...	Light southeast or variable wind; bright periods, local thundery showers; local fog in early morning; rather warm.
8 N.W. England	
9 N. Midlands ...	Light southeast or variable wind; cloudy, light rain or drizzle today; local fog in early morning; average or rather low temperature.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Light southeast wind; mainly fair apart from coastal fog in east; rather warm in most districts, but cool on East Coast.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light southeast wind; mainly fair, but local thundery showers this afternoon; rather warm.
18 N. E. Ireland	
19 S. E. Ireland	Light variable wind, freshening from south; bright periods and local thunderstorms today; more general rain tomorrow; coastal fog later; rather warm.
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

Shallow depressions are centred over the Southern North Sea and to South of Ireland. A more vigorous disturbance to North of the Azores is moving northeast. Local thunderstorms will occur over England and Wales today and there will be slight rain or drizzle in the Southwest and Northeast of England, but long bright periods are probable in many districts. More general rain will reach Southwest England early tomorrow and spread slowly northeast.

**FURTHER OUTLOOK.**

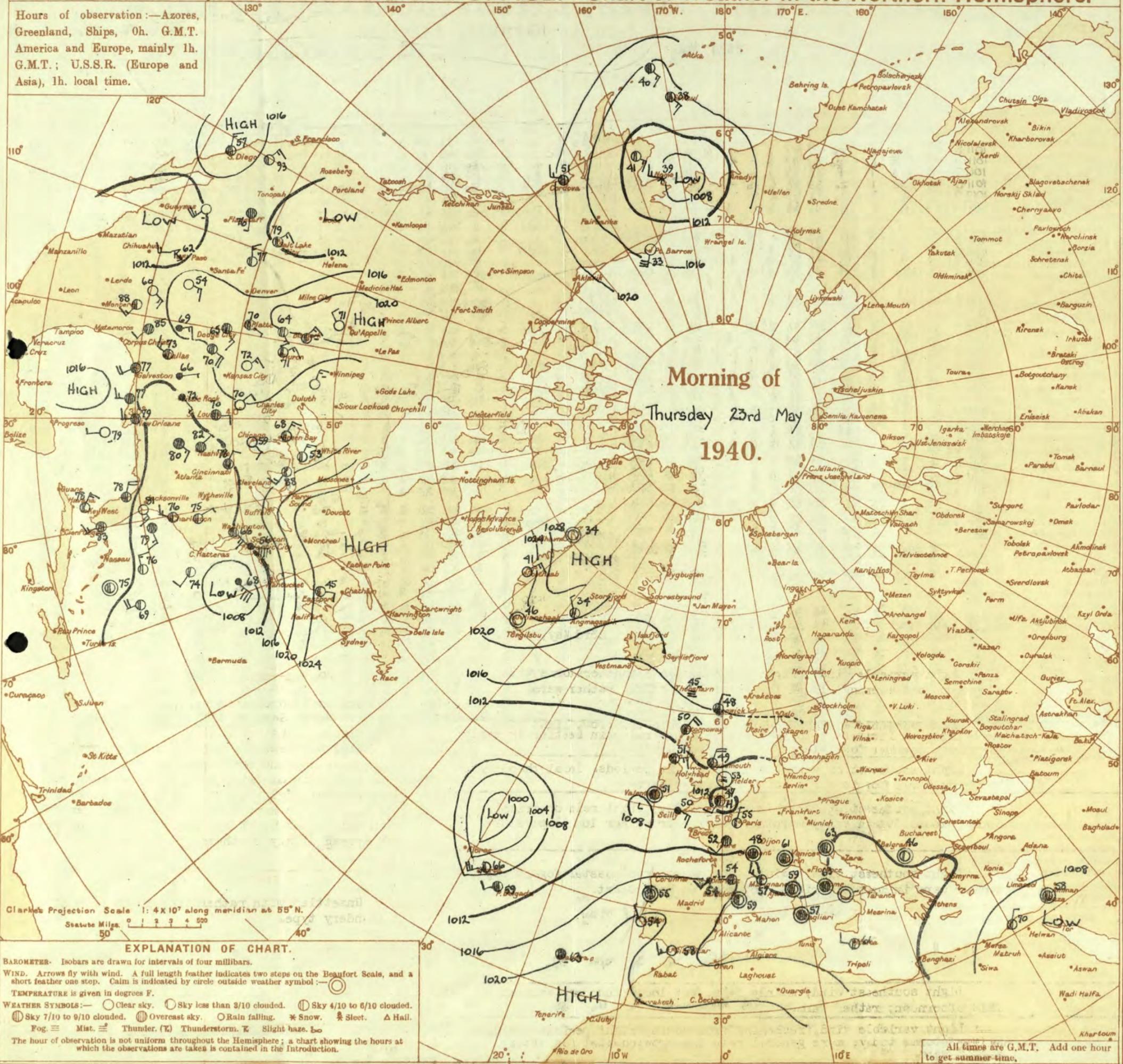
Unsettled with rather widespread rain of a thundery type.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S.  
 Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Thursday 23rd May  
1940.



Clarke's Projection Scale 1:4X10<sup>7</sup> along meridian at 55°N.  
Statute Miles 0 1 2 3 4 500

## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. (K) Thunderstorm. K Slight haze. 60  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. 23rd May, 7 hr. G.M.T. 23rd May, and Past 24 Hours. Columns include District, Stations, Height above M.S.L., Barom., Change in 3 hours, Wind, Weather, Temp., Humid., Visibility, Cloud, Form, Amount, Height of Base, State of Ground, Sea, Temperature, Rainfall, and Sunshine.

LONDON OBSERVATIONS Day 7h-18h, Kew & Croyd. 9h-18h, Kensington. 9h-21h, other stations except for rainfall which is 9h-18h.

Table with columns: Weather, Temperature, Rainfall, Sunshine, Humidity, Atmospheric Pollution, and Kew Observatory data.

EXPLANATION OF FIGURES, LETTERS, etc. COLUMNS 2, 16, 4, 18, 30, 34, 35. The barometric tendency is expressed in tenths of a millibar. THE BEAUFORT SCALE OF WIND is used for surface observations.

FOREIGN OBSERVATIONS. 18h. G.M.T. 22nd May, 7h. G.M.T. 23rd May, Past 24 Hours. Stations: PARIS, BRUSSELS, BERLIN, ZÜRICH, ROME.

Table with columns: Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, Form, Amount, Height of Base, State of Ground, Sea, Temperature, Rainfall, and Sunshine.

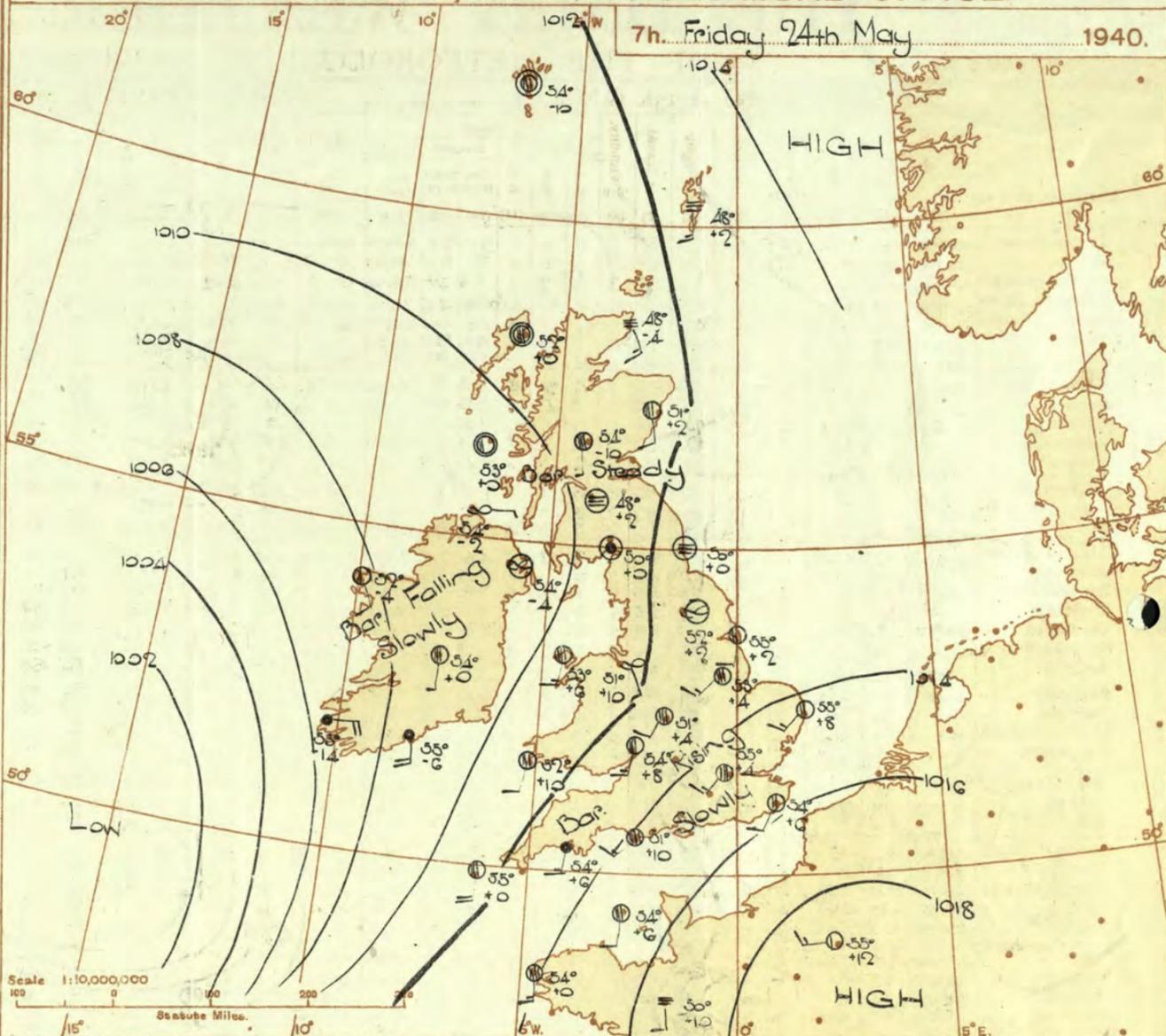
# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

**BRITISH SECTION**  
Friday 24th May, 1940.  
No. 28,673.

OBSERVATIONS at 13h. G.M.T. 23rd May														OBSERVATIONS at 18h. G.M.T. 23rd May														PAST 24 HOURS.						
District	Stations	Barom. at M.S.L.	Change in 3 hours	Wind		Temp.	Humid.	Visibility	Cloud					Barom. at M.S.L.	Change in 3 hours	Wind		Temp.	Humid.	Visibility	Cloud			State of Ground	Weather									
				Dir.	Force				Form	Amount	Height of Base (feet)	Form	Amount			Height of Base (feet)	Form				Amount	Height of Base (feet)	7h.-13h. 23rd		13h.-18h. 23rd	18h. 23rd	1h.-7h. 24th							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)	
1	London (Kew) ...	1011.5	0	S'E	2	62	75	3	3	9+	9+	2500	1012.1	-4	SW	3	C	62	55	8	3	4	6	4.6	7.8	3000	1	* czo p r c	c	cbcb	bcw			
	Croydon ...	1011.6	0	S	2	62	65	3	6	9	9+	4000	1011.9	+2	SW	3	bc	61	65	8	2	8	4	2.3	4.6	4000	1	* bc m c	cpr bc	cbcb	cpr bc			
	S. Farnborough	1011.6	+2	SE	4	62	65	7	8	7	8	2500	1011.7	+4	SW	4	a	60	65	7	8	3	6	4.6	7.8	4000	1	* bc m c	cpr bc	cbcb	bc m c			
	Boscombe Down	1010.9	+2	S'W	5	63	55	8	2	8	4.6	4.6	2500	1011.4	+4	S	4	c	57	65	8	2	7	2	4.6	7.8	2500	0	* bc	bc	cbcb	bc m c		
	Calshot (Soton.)	1011.3	+2	S'W	5	63	65	8	8	3	4.6	4.6	2500	1012.3	+2	SSW	4	bc	57	75	8	2	4	3	4.6	7.8	2500	0	* bc m c	bc	bc m c	bc m c		
	Lympe	1013.6	+6	SE	2	58	75	8	8	3	9+	9+	4000	1013.0	+2	SW	2	a	56	85	8	4	7	3	4.6	7.8	5700	0	* bc	cpr c	bc	bc m c		
	Manston	1012.5	+2	SE	3	61	65	8	3	4	4.6	9+	2500	1012.4	-4	SW	3	c	61	75	8	2	9	2	1	7.8	2500	0	* bc m c	czo p r m c	cbcb	bc m c		
2	Shoeburyness ...	1012.6	0	ESE	1	62	75	7	2	9	8	2.3	9	4000	1012.2	0	S	1	c	60	75	8	8	9	2	2.3	7.8	4000	0	* bc m c	czo	cbcb	bcw	
	Felixstowe ...	1012.5	-2	SE	3	61	65	6	3	4	6	2.3	9+	2500	1012.4	0	SE	2	a	57	85	6	2	9	8	7.8	7.8	2500	0	* bc	bc	bc	bc	
	Gorleston ...	1012.5	0	ESE	2	53	92	2	10	10	10	2.5	0	2500	1012.8	0	SE	2	a	51	92	5	5	5	5	7.8	7.8	2500	0	* bc	bc	bc	bc	
	Mildenhall ...	1011.8	-6	NE	1	66	45	1	2	7	7	2.3	9	2500	1011.6	+2	SW	2	a	57	92	6	4	9	2	4.6	9+	4000	1	* bc	bc	bc m c	bc m c	
	Cranwell ...	1012.2	0	-	0	60	75	6	5	4	4.6	7.8	1500	1011.6	+2	SW	3	tlr	54	92	5	9	-	-	10	10	1500	1	* bc	bc	bc m c	bc m c		
3	Birmingham	1011.2	-4	S	2	62	55	8	7	7	7.8	9	2500	1011.0	-2	ESE	2	bc/pr	55	85	6	2	7	-	2.3	4.6	4000	1	* bc	cpr bc	bc	bc		
	Upper Heyford	1011.7	-2	SW	1	59	85	7	8	-	9	9	1500	1011.1	-2	S	3	c	60	65	8	8	4	5	4.6	7.8	2500	1	* bc	bc	bc m c	bc m c		
4	Ross-on-Wye ...	1010.6	-8	E/N	2	59	75	7	3	-	3	7.8	9	2500	1010.5	0	SW	2	pr	55	85	7	9	-	-	9+	9+	1500	1	* bc	bc	bc	bc	
5	Hartland Point	1009.0	-2	ESE	3	57	76	8	8	7	4.6	7.8	2500	1009.4	+4	SW	1	c/pr	53	92	8	8	7	-	7.8	9	2500	1	* bc	bc	bc	bc		
	Bristol ...	1010.6	-4	SSE	3	61	65	8	8	7	7.8	7.8	2500	1010.9	+4	SE	3	bc	57	75	8	2	6	-	1	4.6	2500	0	* bc	bc	bc	bc		
	Portland Bill ...	1011.2	+8	S	3	56	85	7	5	7	7.8	10	2500	1011.7	+2	SSW	3	c	53	85	8	2	4	-	4.6	7.8	4000	1	* bc	bc	bc	bc		
	Plymouth ...	1009.9	0	S	3	55	85	8	8	7	9	9+	1500	1010.1	+2	SW	4	c	55	92	7	8	-	-	9	9	1500	0	* bc	bc	bc	bc		
	The Lizard ...	1008.6	0	SSE	3	57	85	8	8	6	4.6	7.8	2500	1010.5	+2	SW	4	c	57	85	8	8	6	-	7.8	7.8	2500	0	* bc	bc	bc	bc		
	Scilly (St. Mary's)	1008.4	+8	SW	2	59	75	8	8	7	4	2.3	4.6	1500	1009.6	+10	WSW	2	bc	58	75	8	8	6	4	4.6	4.6	2500	1	* bc	bc	bc	bc	
	Guernsey ...	1011.9	+10	SW	3	54	85	7	5	2	7.8	10	2500	1012.7	+6	SW	2	bc	56	55	7	4	7	-	2.3	4.6	1500	1	* bc	bc	bc	bc		
6	Pembroke ...	1009.7	+2	SSE	3	56	85	7	8	6	4.6	7.8	2500	1009.0	0	S	1	c	56	85	7	8	7	-	4.6	7.8	2500	0	* bc	bc	bc m c	bc m c		
	Holyhead ...	1010.5	0	N	3	55	85	7	8	3	1	4.6	7.8	2500	1010.1	-2	-	0	1/2	53	85	2	5	2	-	9	10	4000	1	* bc	bc	bc m c	bc m c	
	Chester (Sealand)	1010.5	-10	SSE	2	63	65	6	2	-	4	4.6	4.6	2500	1010.4	+4	SSE	1	c/pr	61	75	6	2	7	-	4.6	7.8	2500	0	* bc	bc	bc m c	bc m c	
	Manchester ...	1011.7	0	SW	1	63	65	6	7	5	2.3	4.6	2500	1009.7	-2	WN	2	pr	54	92	7	9	-	-	7.8	9+	1500	1	* bc	bc	bc m c	bc m c		
10	Spurn Head ...	1012.3	0	-	0	61	75	5	5	-	1	7.8	9	1500	1011.4	+2	E/S	3	c	53	85	6	5	7	-	4.6	7.8	2500	0	* bc	bc	bc	bc	
	Catterick ...	1011.9	+2	ESE	1	58	85	5	5	-	1	7.8	10	1500	1010.9	0	NE	2	f+	56	92	3	-	-	-	10	10	1500	1	* bc	bc	bc	bc	
	Tynemouth ...	1012.3	+4	N	3	58	85	4	5	-	2	10	10	1500	1012.7	0	NNE	2	o/f	51	92	6	5	-	-	10	10	1500	1	* bc	bc	bc	bc	
11	St. Abbs Head	1013.3	+12	E	1	51	75	8	5	2	9	10	2500	1011.3	-6	SE	2	c	50	92	7	5	2	-	7.8	10	1500	0	* bc	bc	bc	bc		
	Leuchars ...	1011.9	0	E	1	58	75	7	5	7	2.3	9	2500	1011.1	-6	-	3	bc	67	75	8	7	4	-	7.8	2.3	4000	0	* bc	bc	bc	bc		
	Ranfur (Abbots L)	1011.6	-4	ESE	2	59	65	6	5	-	9+	9+	4000	1010.8	-6	-	0	zo	61	65	6	5	-	-	9+	9+	4000	0	* bc	bc	bc m c	bc m c		
	Eska Dalemuir ...	1011.8	0	-	0	52	85	7	5	-	10	10	1500	1010.4	-6	NW	1	c	58	65	7	5	-	-	6	4.6	7.8	1500	1	* bc	bc	bc	bc	
	Point of Ayre ...	1011.6	+2	SE	3	57	85	7	5	-	9+	9+	2500	1010.7	-2	E	2	bc	55	85	7	5	-	-	2.3	2.3	2500	0	* bc	bc	bc	bc		
13A	Three ...	1011.0	0	SSW	3	55	75	8	5	3	7.8	9	4000	1010.8	0	-	0	bc	53	85	8	5	3	-	2.3	4.6	4000	0	* bc	bc	bc	bc		
13B	Stornoway ...	1013.0	-2	SE	2	57	85	7	2	7	1	2.3	4000	1010.2	-8	E	1	b	56	85	8	2	4	3	4.6	1	4000	0	* bc	bc	bc m c	bc m c		
15	Dalwhinnie ...	1011.4	-6	S	1	67	25	8	-	6	1	0	7.8	-	10	10	10	10	59	65	8	4	6	1	4.6	9	4000	0	* bc	bc	bc	bc		
	Aberdeen ...	1012.2	+2	SSE	3	58	85	6	2	3	7.8	7.8	2500	1011.6	-4	S	2	bc	51	92	7	5	3	-	7.8	4.6	220	0	* bc	bc	bc	bc		
	Wick ...	1011.9	0	NE	2	47	97	2	-	-	10	10	1500	1010.9	-6	SE	1	bc	51	97	5	5	4	-	2.3	4.6	1500	1	* bc	bc	bc	bc		
	Lerwick ...	1013.7	-2	NE	2	57	85	7	5	7	4.6	7.8	1500	1012.3	-4	SSE	2	bc	55	85	7	5	3	-	4.6	4.6	2500	0	* bc	bc	bc	bc		
17	Blacksod Point ...	1009.8	+4	SE	1	60	75	7	-	7	0	7.8	-	1009.4	-2	NNW	1	c	57	85	7	-	7	-	0	10	-	0	* bc	bc	bc	bc		
	Malin Head ...	1010.8	-4	E	3	52	85	6	4	-	4	4.6	7.8	5700	1009.9	-4	E	3	zo	55	75	6	-	-	5	0	4.6	-						

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th May, 1940.
1 S.E. England	Wind southwest to south, moderate; fair, with variable cloud; rather warm.
2 E. England ...	
3 E. Midlands ...	Wind south, moderate; cloudy; occasional rain; mild.
4 W. Midlands ...	
5 S.W. England	Wind south, moderate; fresh on coasts; dull, with occasional rain, and much hill fog; some coast fog; mild.
6 South Wales ...	
7 North Wales ...	Wind south, light to moderate; fair at first, with variable cloud; occasional rain spreading from the southwest later; rather warm.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind mainly southeast, light, freshening; fair today, with variable cloud and local thundery rain; more general rain spreading from the south tomorrow; average temperature or rather warm.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Wind southeast, light to moderate; fair; coast fog; rather cold.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southeast, veering south, moderate or fresh; fair at first in the north, otherwise dull with much hill fog and occasional rain; local coast fog in the south; becoming mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

An anticyclone over France and Spain is moving slowly east, and a depression to the southwest of the British Isles is moving north-northeast. Weather will be fair in the North and East at first, apart from local thundery rain in Scotland. More general rain in South-western districts will spread to all districts except Southeast and East England. Temperatures will tend to rise generally.

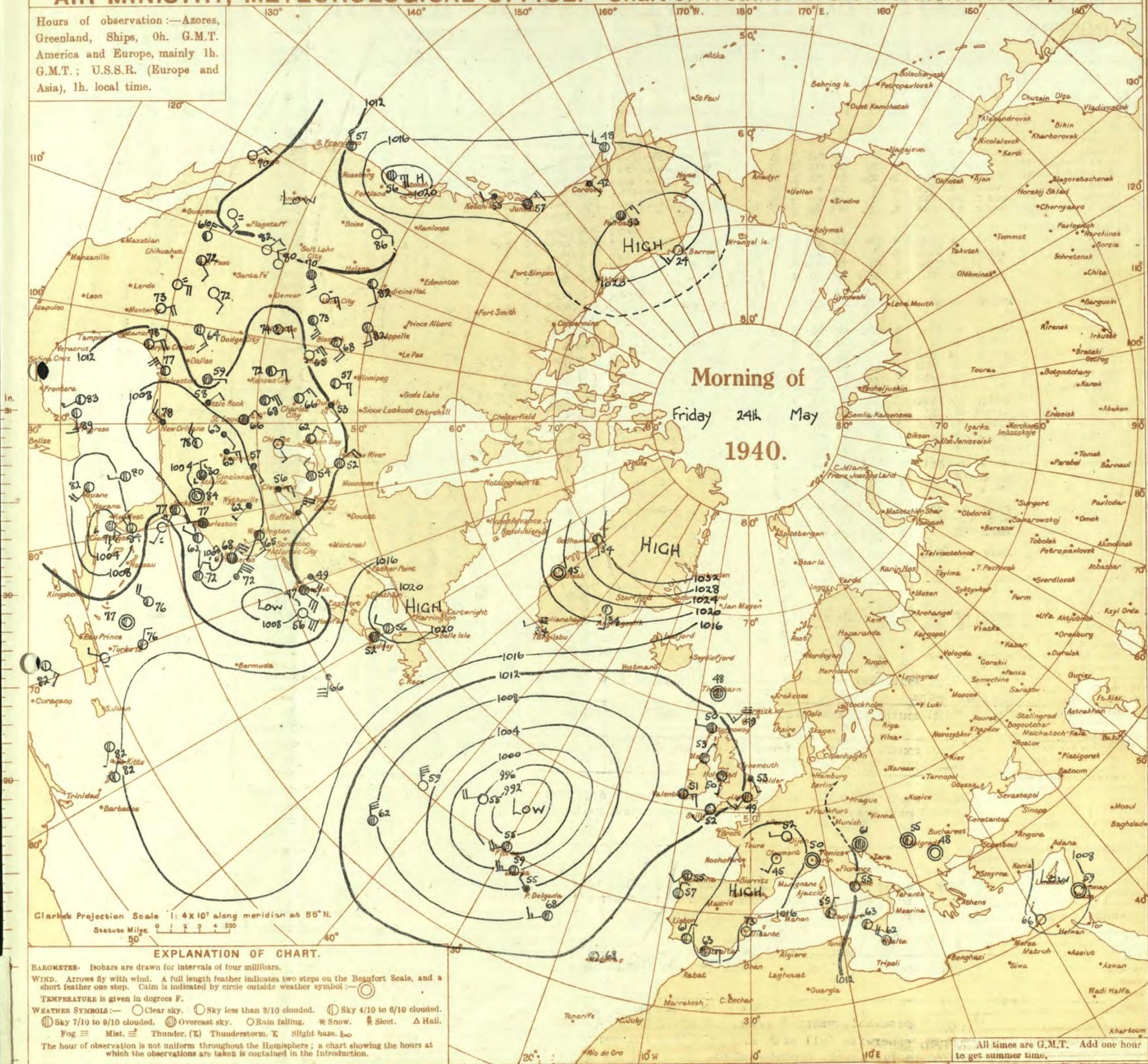
**FURTHER OUTLOOK.**

Rather warm; Unsettled in the West; thundery conditions in the East.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clark's Projection Scale 1: 4x10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500

## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with 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. △ Hall. Fog ≡ Mist. ≡ Thunder. (T) Thunderstorm. X Slight haze. ☁

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-sections for LONDON OBSERVATIONS and FOREIGN OBSERVATIONS.

EXPLANATION OF FIGURES, LETTERS, etc. COLUMNS 2, 16. COLUMNS 4, 18. COLUMNS 8, 22 - Code for surface visibility. COLUMNS 30 - Code for State of Sea. COLUMNS 34, 35.

TERMS OF SUBSCRIPTION: Single Copies, 1d. each; by post 1 1/2d. 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.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for Observations at 13h. G.M.T., Observations at 18h. G.M.T., and Past 24 Hours. Includes station names, barometric pressure, wind, temperature, humidity, visibility, cloud amount, and weather symbols.

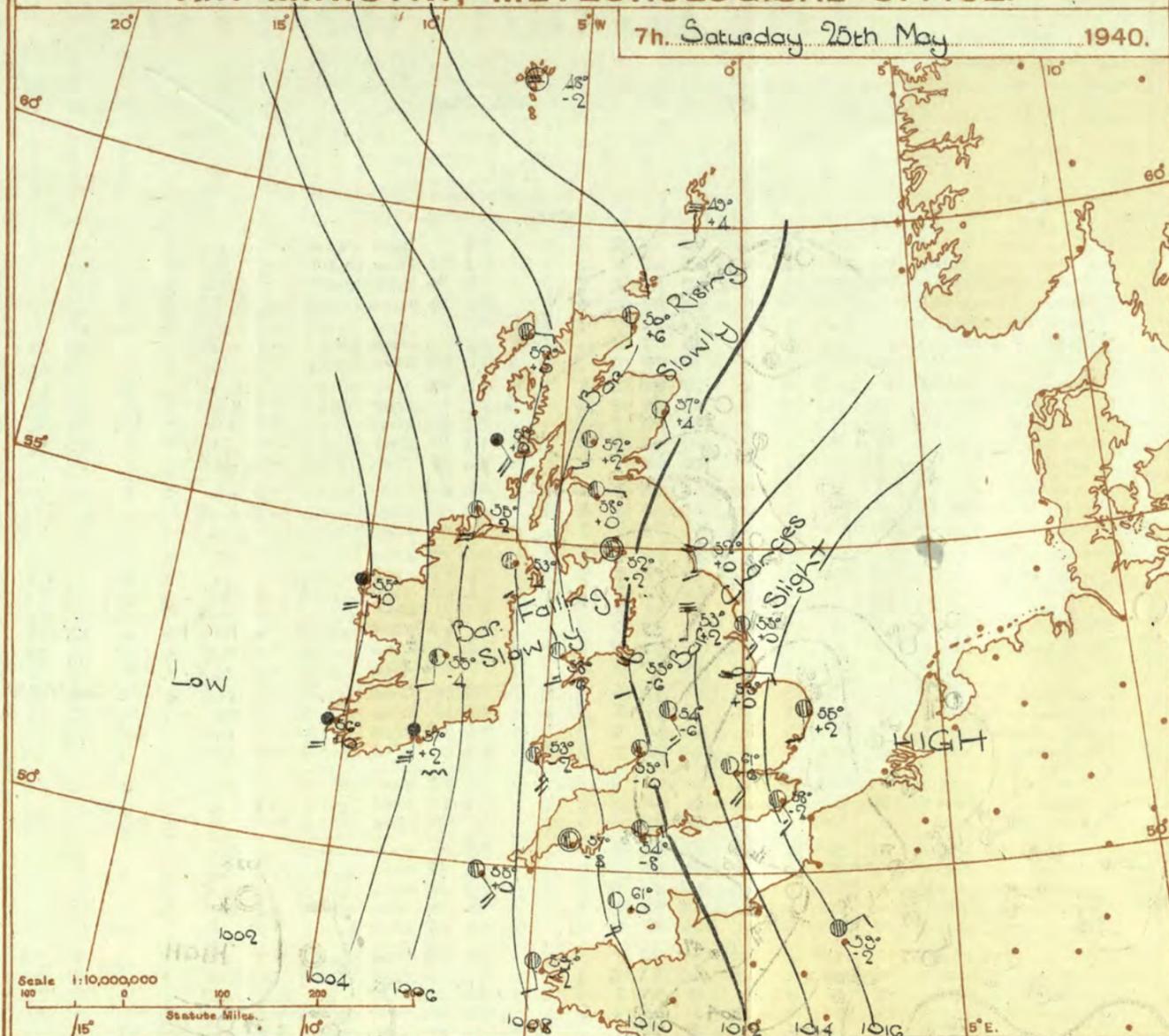
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining symbols and abbreviations used in the weather report, including Beaufort notation, cloud forms, and state of ground.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 25th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M. 25th May, 1940.
1 S.E. England	Wind southeast, veering southwest, moderate, fresh locally on coasts; fair but rather cloudy at first; thunderstorms from this evening; warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind southeast, moderate or fresh, veering southwest, moderate; thundery rain and local thunderstorms, clearing from the southwest tomorrow; local coast fog in the southwest tomorrow morning; rather warm becoming somewhat colder.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind southeast, moderate; fair today; local thunderstorms tomorrow; rather warm except on East Coast.
9 N. Midlands ...	
10 N.E. England	Wind between south and southeast, moderate; dull, with much hill fog and occasional rain, thundery at times; close.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Wind south, light, backing southeast, moderate; fair apart from rather widespread coastal fog, especially tonight and tomorrow; average temperature.
14 Mid Scotland	
15 N. E. Scotland	Wind south, moderate, fresh locally on coast; cloudy with some thundery rain and much hill fog, especially in the South; local coast fog in the South; close.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

Pressure is high to the East and low to the West of the British Isles, and a small depression over the Bay of Biscay is moving north. There will be thundery rain in western districts throughout the period; weather will be fair at first in Eastern districts, but thunderstorms will develop in Southern England this evening and travel northwards, reaching Scotland tomorrow.

**FURTHER OUTLOOK.**

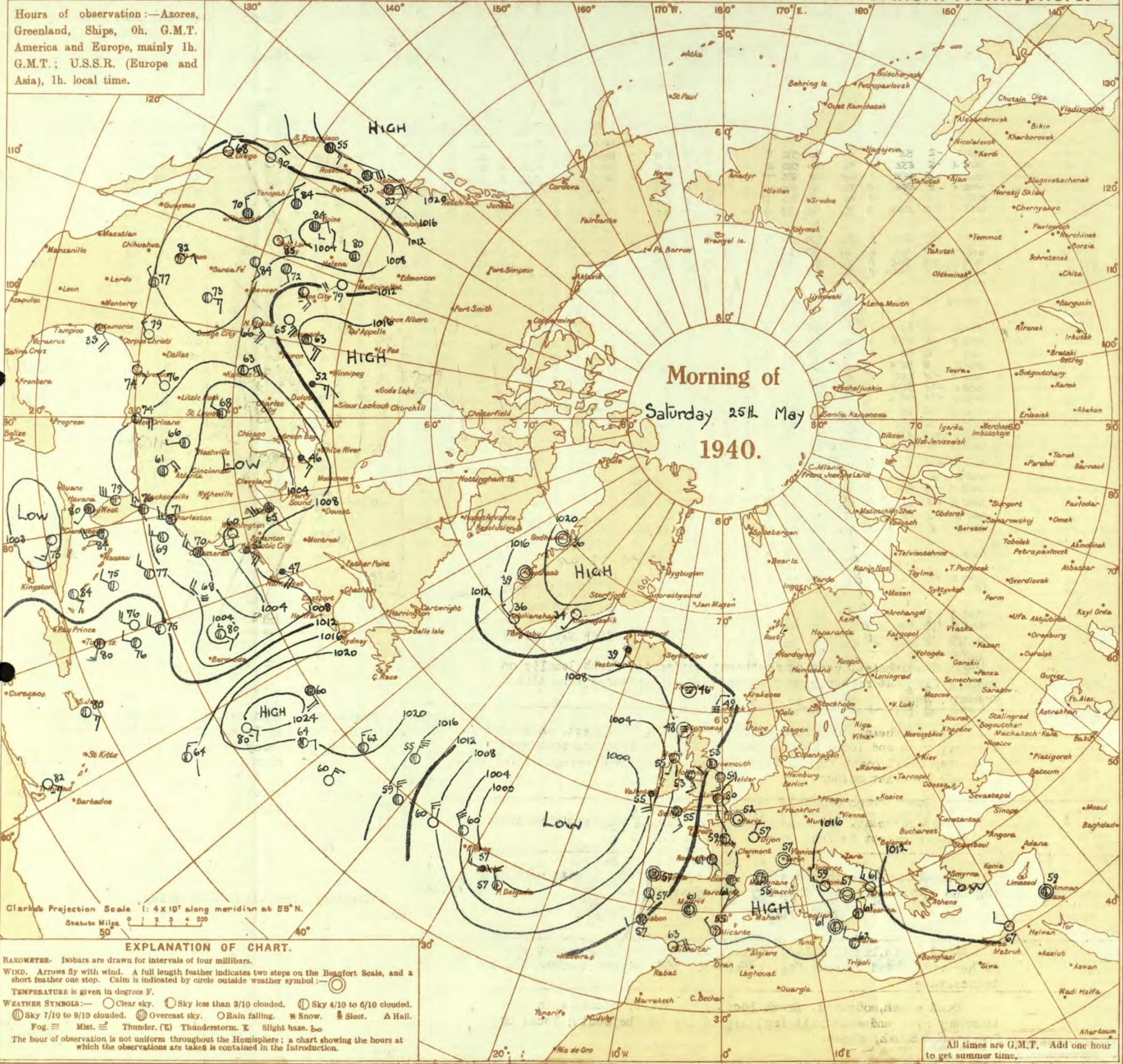
Thundery conditions persisting, but some fair periods.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Saturday 25th May  
1940.



Clarke's Projection Scale 1:4x10<sup>7</sup> along meridian at 55°N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. Δ Hail. Fog ≡ Mist. ⚡ Thunder. (⚡) Thunderstorm. ☁ Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T. 25th May, 7 hr. G.M.T. 25th May, and Past 24 Hours. Includes columns for District, Stations, Barom., Wind, Temp., Humid., Cloud, and Rainfall.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, Temperature, Rainfall, Sun-shine, Humidity, and Visibility.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Temp., Humid., Cloud, and Rainfall for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 18, 22, 30, and 35.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

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

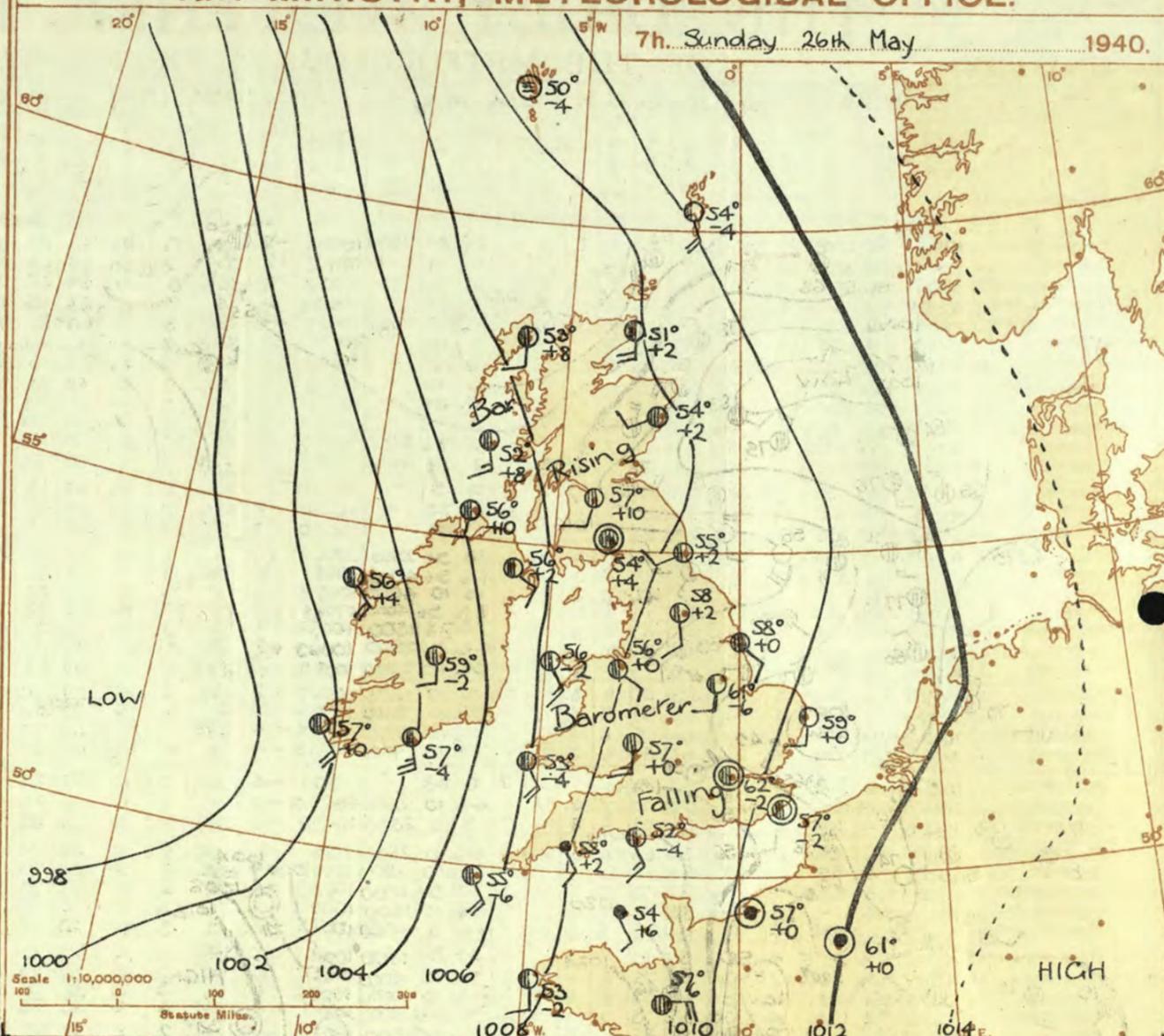
OBSERVATIONS at 18h. G.M.T. 25th May

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Dirac. 0-12 (3)	Force. (4)					Form.	Amount.	Height of Base. (feet). (14)	Low. Med. High (9)	Med. High (10)			High (11)	Low 0-10 (12)					Total 0-10 (13)	Form.	Amount.	Height of Base. (feet). (28)	Low. Med. High (23)			Med. High (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	7h.—18h. 25th (37)	13h.—18h. 25th (38)	18h.—24h. 25th to 26th (39)	1h.—7h. 26th (40)
1	London (Kew)...	1011.2	+20	SSE	4	C	73	35	8	5	7	-	2-3	3+	4000	1010.8	-2	S	3	ir.	65	55	8	5	2	-	7-8	10	2500	1	*	czoWC	cycir.	cir.	cb		
	Croydon ...	1012.1	-18	SE'S	4	C	72	45	8	-	7	-	0	10	-	1011.2	+2	S	3	ir.	68	65	8	5	7	-	4-6	10	4000	1	*	cbccy	cycr.	cir.	cb		
	S. Farnborough	1010.7	-16	ESE	4	C	71	45	8	-	7	-	0	10	-	1009.8	-8	SE	3	ir.	64	65	8	5	7	-	4-6	10	4000	0	*	cb	cir.	cb	cb		
	Boscombe Down	1009.5	-12	SE	5	C	67	45	8	-	7	-	0	9+	-	1009.2	-6	S	3	c	63	65	8	5	7	-	1	7-8	2500	0	*	c	cir.	cb	cb		
	Calshot (Soton.)	1010.4	-12	ESE	5	C	61	75	7	5	8	-	4-6	10	7200	1010.1	-4	SE	3	c	60	65	7	5	7	-	4-6	9+	4000	1	2	bcc	ir	cir.	cb		
	Lympe	1013.9	-14	SE	3	C	69	55	8	-	7	-	0	10	-	1013.0	0	SE'S	3	c	66	65	8	-	2	8	0	10	-	0	52	cbccy	cir.	cb	cb		
	Manston	1013.2	-18	SE	3	C	70	55	6	-	3	-	0	7-8	-	1011.8	+8	SE'S	2	z.	64	75	6	5	7	-	1	10	7200	0	*	cmoCzo	Czo	cb	cb		
2	Shoeburyness ...	1013.2	-16	SE	3	C	66	75	6	-	7	-	0	10	-	1011.6	-6	SE	3	C	63	75	8	-	7	-	0	10	-	0	2	zyc	Czo	cb	cb		
	Felixstowe ...	1014.4	-14	ESE	3	C	64	65	6	-	7	-	0	9+	-	1012.0	-4	SE	3	C	61	75	7	5	-	1	-	10	10	5700	0	2	Czo	Czo	cb	cb	
	Gorleston ...	1014.9	-8	SE	2	C	59	75	6	-	7	-	0	7-8	-	1012.4	-8	SE	3	C	58	75	6	5	-	1	-	10	10	-	0	3	Czo	Czo	cb	cb	
	Mildenhall ...	1012.2	-18	SE'S	4	C	73	35	7	5	7	-	7	7-8	4000	1010.3	+2	SE	3	C	70	45	7	5	7	7	2-3	10	1500	0	*	Czo	Czo	cb	cb		
	Cranwell ...	1011.8	-20	SSE	4	C	71	35	7	5	7	-	7	9+	4000	1010.3	-4	SE	5	C	69	55	8	-	7	-	0	9+	-	0	*	cmozoy	Cy	cb	cb		
3	Birmingham	1009.8	-20	SE	3	C	69	55	8	7	8	0	9	-	-	1009.0	0	SE	2	ir.	64	65	8	6	2	-	2-3	10	4000	1	*	cbcc	cir.	cb	cb		
	Upper Heyford	1010.5	-18	SE	4	C	70	55	7	7	8	0	7-8	-	-	1010.0	-2	SSE	3	r.	65	65	7	5	7	-	4-6	10	2500	1	*	cmoC	cir.	cb	cb		
4	Ross-on-Wye ...	1008.7	-20	SE	3	C	68	65	7	-	7	-	1	10	-	1008.0	-12	SE	3	r.	65	65	8	5	7	3	2-3	9+	2500	1	*	c	cir.	cb	cb		
5	Hartland Point	1007.3	-12	ENE	2	C	57	97	7	5	2	-	7-8	9+	2500	1006.8	0	S	3	C	62	75	8	8	7	-	4-6	9	2500	1	2	cirrr	p	cbcc	c		
	Bristol ...	1009.0	-12	SSE	3	C	59	85	8	5	7	-	4-6	9+	4000	1008.1	-6	SSE	3	C	64	75	8	5	5	-	2-3	7-8	5700	0	*	cy	cycr.	cb	cb		
	Portland Bill ...	1009.0	-6	E	3	C	55	85	8	5	7	-	10	10	4000	1008.8	+4	S	3	C	57	92	8	5	-	-	10	10	2500	1	3	e	c	cb	cb		
	Plymouth ...	1007.1	-26	E'S	3	C	59	92	8	5	1	-	2-3	9+	4000	1008.1	+6	S	3	C	58	85	8	5	7	-	7-8	9+	4000	1	2	cirrr	cir.	cb	cb		
	The Lizard ...	1006.9	-16	ESE	4	C	61	85	8	8	6	-	7-8	7-8	1500	1007.8	+4	S	3	C	56	92	7	5	2	-	10	10	1500	0	2	cprc	com	cb	cb		
	Scilly (St. Mary's)	1006.0	-12	SSE	4	C	58	85	8	5	7	-	4-6	9+	2500	1006.3	+2	S	4	C	57	92	7	5	2	-	7-8	9+	1500	1	2	cprc	com	cb	cb		
	Guernsey ...	1008.6	-4	S'W	4	C	63	75	7	5	2	-	4-6	10	2500	1008.9	+4	S'W	1	C	63	85	7	5	7	-	4-6	9+	2500	1	3	bcir	cir	cb	cb		
6	Pembroke ...	1007.3	-6	SSE	5	C	54	97	6	8	-	-	10	10	1500	1006.9	-2	SSE	3	C	54	92	7	8	-	-	10	10	1500	1	2	rrmc	cpr.	cb	cb		
	Holyhead ...	1007.7	-4	S'W	4	ir.	60	75	8	5	2	-	7-8	10	2500	1006.6	-10	S	3	C	57	92	8	5	7	-	-	10	10	2500	1	1	cir.	cir.	cb	cb	
	Chester (Sealand)	1003.5	-18	SE	3	C	66	65	6	5	2	-	7-8	10	2500	1007.8	-4	E'N	1	C	59	92	5	5	2	-	7-8	10	1500	1	*	czo	cir.	cb	cb		
8	Manchester ...	1010.3	-14	SE	4	C	68	55	6	5	3	-	7-8	10	4000	1008.3	-4	*	*	pr	61	85	6	5	-	-	7-8	10	2500	1	*	cir.	cir.	cb	cb		
10	Spurn Head ...	1013.0	-6	E'S	3	C	59	75	6	-	1	2	0	7-8	-	1010.1	-4	ESE	5	C	57	85	6	5	-	-	9+	9+	1500	0	2	c	c	cb	cb		
	Catterick ...	1011.7	-14	SSE	3	C	64	75	7	5	7	-	4-6	10	2500	1009.0	-12	ESE	2	C	66	75	7	5	7	-	4-6	10	4000	1	1	cmo	cir.	cb	cb		
	Tynemouth ...	1012.6	-4	SSE	3	C	55	85	6	8	-	-	9	9	2500	1011.0	-6	SSE	4	C	55	85	6	8	3	-	4-6	7-8	2500	1	1	c	c	cb	cb		
11	St. Abbs Head	1011.3	-6	SSW	3	C	63	65	8	5	2	-	4-6	10	2500	1010.1	0	SSE	4	C	53	85	7	5	6	2	4-6	7-8	2500	0	3	fc	c	cb	cb		
	Leuchars ...	1010.9	-6	SE	3	C	64	65	6	2	7	-	2-3	10	2500	1008.8	-14	ESE	3	z.	53	75	6	-	7	1	0	9+	-	0	*	bcc	pr.	cb	cb		
	Ranfur (Abbots L.)	1009.7	-8	SE'S	2	ir.	62	75	8	5	7	-	7-8	9+	1500	1008.3	-4	SE	2	ir.	62	75	6	5	2	-	9+	10	2500	1	*	czo	cir.	cb	cb		
	Eskdalemuir ...	1010.6	-4	-	0	ir.	58	75	7	5	1	-	4-6	10	1500	1009.2	-2	S'W	3	ir.	59	85	6	5	1	-	9+	10	1500	1	*	ir.	cir.	cb	cb		
	Point of Ayre ...	1008.9	-16	SSE	4	C	63	75	6	5	6	-	4-6	9	4000	1007.5	-12	S	3	r.	53	97	5	8	2	-	4-6	10	1500	1	2	e	rr	cb	cb		
13A	Tree ...	1006.2	-8	SE'E	4	C	57	75	7	5	-	-	9+	9+	1500	1004.8	-6	SE'E	4	C	59	75	7	5	-	-	7-8	7-8	2500	0	4	cid.	cid.	cb	cb		
13B	Stornoway ...	1003.7	-2	SSE	2	C	58	75	6	5	7	-	7	7	4000	1008.2	0	SSE	2	C	54	85	7	5	7	7	7-8	10	4000	0	1	cpr.	cpr.	cb	cb		
15	Dalwhinnie ...	1010.0	-12	S	6	C	61	85	8	6	7	-	4-6	10	4000	1008.6	-4	SE	5	C	58	75	6	6	6	-	4-6	10	2500	0	*	c	cir.	cb	cb		
	Aberdeen ...	1011.3	-2	S	4	C	63	75	7	2	5	6	7	4-6	2500	1010.5	-4	SSW	3	C	59	85	6	5	9	-	2-3	7-8	2500	0	1	bcc	cir.	cb	cb		
	Wick ...	1009.3	+2	S	3	C	56	85	6	5	8	-	2-3	4-6	1500	1008.7	-10	S	2	C	55	85	6	5	3	2	7-8	9+	2500	0	1	bcmo	bcmo	cb	cb		
16	Lerwick ...	1012.6	+8	S	2	F	50	97	1	-	-	-	10	10	1500	1012.																					

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 26th May 1940.



## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th May, 1940.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th May, 1940.
1 S.E. England	Wind southerly light or moderate; thunderstorms to-day and during the night; fair but rather cloudy to-morrow morning; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind south veering southwest moderate, fresh on coasts; thundery rain to-day, followed by a temporary improvement, then more thundery rain; fog locally on coasts; average temperature or rather warm.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind south light to moderate; cloudy at first; thundery rains spreading from the southwest this evening; rather warm.
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 south moderate; occasional rain early, followed by bright intervals; thundery rain later; local coast fog; average temperature or rather warm.
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind south veering southwest moderate, fresh on coasts; cloudy, with some bright intervals and periods of rain; local coast fog, rather warm.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

### GENERAL INFERENCE.

An extensive depression lies to the west of the British Isles and shallow troughs of low pressure are swinging northeast and north across the British Isles. There will be thundery rains in the West and North; thunderstorms will develop in the South and Southeast late this afternoon and spread north and east.

### FURTHER OUTLOOK.

Fair periods and local thunderstorms.

Forecasts issued at 1100 C.M.T.

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

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Sunday 26th May,  
1940.



Clarke's Projection Scale 1: 4X10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. (T) Thunderstorm. T Slight haze. ∞

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 26th May, Observations at 7 hr. G.M.T. 26th May, and Past 24 Hours. Includes sub-sections for LONDON OBSERVATIONS and FOREIGN OBSERVATIONS.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, and 24 hrs. ended 9h.

FOREIGN OBSERVATIONS table with columns for Stations, Barom. mb., Wind, Weather, Temp. °F., and Rainfall.

EXPLANATION OF FIGURES, LETTERS, etc. table with columns for COLUMNS 2, 16, 4, 18, 30, 34, 35.

EXPLANATION OF FIGURES, LETTERS, etc. table with columns for COLUMNS 8, 22, 30, 34, 35.

# THE DAILY WEATHER REPORT

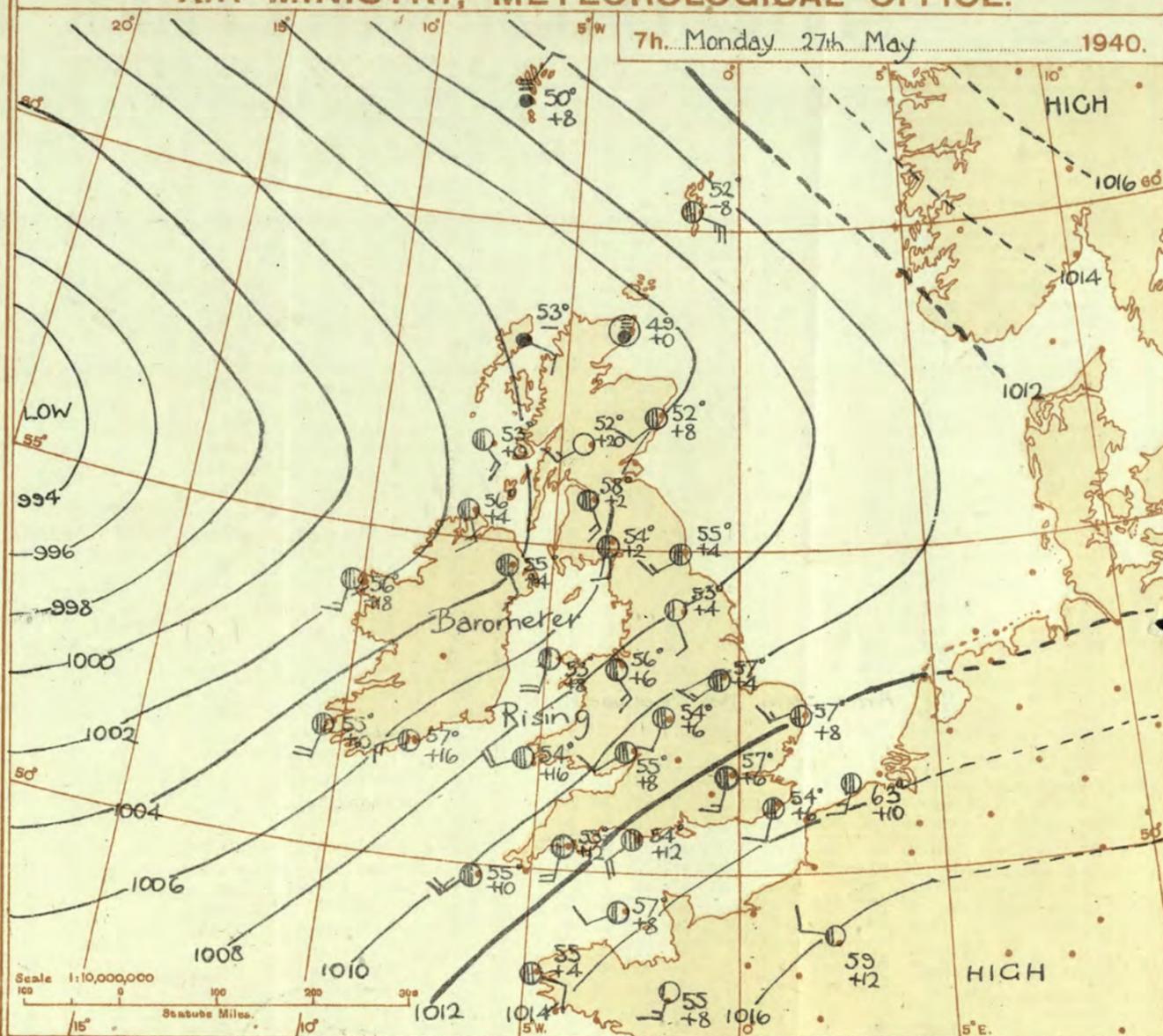
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Monday 27th May 1940.  
No. 28676

OBSERVATIONS at 13h. G.M.T. 26th May														OBSERVATIONS at 18h. G.M.T. 26th May														PAST 24 HOURS.								
DISPATCH.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.								
				Dir.	Force. 0-12 (4)					Form.	Amount.	Height of Base. (feet) (14)	Form.			Amount.	Height of Base. (feet) (28)					Form.	Amount.	Height of Base. (feet) (28)	7h.—13h. 26th (37)			13h.—18h. 26th (38)	18h.—24h. 26th to 27th (39)	1h.—7h. 27th (40)						
1	London (Kew)...	1008.2	-12	SE	2	rs	62	85	7	5	10	10	1500	1008.9	+6	SW	3	bc/pr	64	75	8	8	1	4.6	4.6	2500	1	*	cr,rs	cr,rs	cr,rs	bb	bbcw			
	Croydon ...	1009.0	-6	SE	2	rs	62	85	7	5	2	10	800	1008.7	-2	SW	3	c	63	85	8	3	6	4.6	4.6	2500	1	*	cr,rs	cr,rs	cr,rs	c,bb	buebcpr			
	S. Farnborough	1008.4	-12	SE'S	2	rs	59	92	6	6	2	10	1500	1008.9	+6	SW	4	c	68	75	8	8	6	4.6	7.8	2500	1	*	cr,rs	cr,rs	cr,rs	cbbc	darobcc			
	Boscombe Down	1008.4	-6	SSW	2	rs	59	92	6	6	2	10	1500	1009.2	+10	SSW	4	c	62	75	8	8	-	9.4	9.4	2500	0	*	cr,rs	cr,rs	cr,rs	cbcc	cidmcc			
	Calshot (Soton.)	1009.0	-8	SE'E	2	rs	57	97	5	5	2	10	800	1009.0	+10	SW	3	c	58	92	7	8	-	3.2	3.2	2500	0	1	cr,rs	cr,rs	cr,rs	cbcc	cmoprc			
	Lympe ...	1010.8	-14	ESE	2	rs	57	97	7	5	2	10	1000	1010.8	0	SW	3	c	60	85	8	8	-	4.6	4.6	2500	0	1	cr,rs	cr,rs	cr,rs	cbcc	cbccuf			
	Manston ...	1009.5	-10	SSE	3	rs	59	85	7	5	7	8	4.6	9.4	4000	1008.5	-2	WSW	3	c	61	92	7	5	7	4.6	9.4	800	1	*	cr,rs	cr,rs	cr,rs	cbcc	cbccmow	
2	Shoeburyness ...	1009.6	-12	SSE	1	rs	64	85	6	6	-	10	1500	1009.2	-4	WSW	2	cr	59	92	7	5	7	1.2	1.2	2500	1	*	cr,rs	cr,rs	cr,rs	bb	bprc			
	Felixstowe ...	1009.5	-10	SSE	1	rs	58	92	6	8	7	-	7.8	9.4	4000	1007.8	-8	SE	3	rs	59	92	8	6	1	7.8	9.4	1500	1	2	cr,rs	cr,rs	cr,rs	c,mb	benobbc	
	Gorleston ...	1009.5	-6	SSE	4	rs	57	85	7	8	2	-	2.3	10	2500	1008.3	-8	SE	4	c	55	85	6	5	-	7.8	7.8	2500	0	2	cr,rs	cr,rs	cr,rs	cbcc	bc	
	Mildenhall ...	1008.3	-6	SW	3	rs	67	65	7	4	2	-	4.6	10	1500	1007.5	-4	WSW	3	rs	59	92	6	6	2	9	10	1500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bmobcw	
	Cranwell ...	1007.8	-6	SW	2	c	68	65	8	7	-	-	9.4	9.4	1500	1007.4	0	SW	1	rs	61	85	6	5	-	10	10	800	1	*	cr,rs	cr,rs	cr,rs	cbcc	bmobcw	
3	Birmingham	1008.1	-6	S	2	c	62	75	8	5	-	10	2500	1007.8	-2	SW	2	c	59	85	8	6	7	-	2.3	9	800	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc		
	Upper Heyford	1008.7	-6	SSE	2	rs	60	85	6	5	2	-	4.6	10	1500	1008.1	+2	SW	2	bc	54	75	8	4	6	2.3	4.6	2500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
4	Ross-on-Wye ...	1008.3	-4	SSW	2	r	58	92	6	6	-	10	10	800	1007.4	-4	SW	3	c	62	75	8	8	-	7.8	7.8	2500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc		
5	Hartland Point	1006.4	-8	SSE	3	c	63	75	9	8	6	-	4.6	7.8	1500	1006.7	+4	W	4	bc	58	85	8	2	6	-	2.3	4.6	2500	1	3	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Bristol ...	1008.8	-2	S	2	rs	58	92	7	6	2	-	7.8	9.4	800	1008.5	+6	SSW	4	c	60	75	8	8	6	-	7.8	7.8	1500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Portland Bill ...	1009.2	-2	S	3	c	55	92	8	2	4	-	4.6	9	4000	1000.2	+8	S	3	bc	54	85	8	4	-	4.6	4.6	4000	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Plymouth ...	1008.2	0	SE'S	4	rs	57	92	8	6	-	10	1500	1008.7	+4	SW	4	c	57	92	7	5	-	9.4	9.4	1500	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc			
	The Lizard ...	1007.4	+2	S	4	bc	58	97	7	8	6	-	4.6	4.6	2500	1008.0	0	S	5	bc	57	92	7	8	-	4.6	4.6	2500	0	4	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Seilly (St. Mary's)	1006.2	+2	S	4	bc	62	85	7	8	4	4	4	9	1500	1005.7	+2	SW	5	c	58	85	7	5	6	-	4.6	7.8	1500	0	3	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Guernsey ...	1009.1	+4	E'S	1	bc	61	85	8	8	3	8	2.3	4.6	2500	1010.3	+4	WSW	1	bc	62	85	9	1	7	-	1.2	2.3	2500	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc
6	Pembroke ...	1006.3	-2	SE	4	rs	53	97	7	8	-	-	9.4	9.4	1500	1006.1	0	SW	4	c	54	97	7	8	6	-	4.6	7.8	1500	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc
7	Holyhead ...	1006.4	-4	S	4	rs	60	75	6	5	-	10	10	450	1005.7	-2	SSE	3	pr	58	85	8	8	2	-	9	9.4	2500	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Chester (Sealand)	1006.9	-6	SE	3	c	66	65	7	8	-	3	7.8	9.4	4000	1006.5	0	SE	2	pr	60	85	7	8	4	8	4.6	9	4000	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
8	Manchester ...	1007.2	-10	SW'S	3	c	69	55	7	2	7	-	4.6	9	4000	1006.9	+2	WSW	1	cr	59	85	7	5	2	-	9	10	2500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
10	Spurn Head ...	1007.2	-8	ESE	4	c	62	75	6	2	3	4.6	7.8	1500	1006.7	0	SE'S	2	rr	57	97	6	6	2	-	2.3	10	1500	1	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Catterick ...	1006.6	-6	SE	2	zo	70	65	6	2	6	-	4.6	9	2500	1005.4	-4	SW	2	t	64	75	6	9	7	-	7.8	7.8	4000	0	0	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Tynemouth ...	1008.0	-4	SSE	3	bc	59	85	6	2	1	4.6	4.6	2500	1006.1	-10	SSE	3	c	56	85	6	9	-	9	9	2500	1	1	cr,rs	cr,rs	cr,rs	cbcc	bbcc		
11	St. Abbs Head	1007.4	0	SE	1	c	63	75	6	8	6	1	4.6	7.8	2500	1006.5	-6	S	2	c	54	85	6	5	2	-	7.8	9	2500	0	1	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Leuchars ...	1007.4	+2	E	1	c	61	97	7	8	7	-	2.3	7.8	4000	1006.2	-8	E	2	zo	58	85	6	5	7	8	1	9.4	4000	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
12	Renfrew (Abbots L)	1007.0	-2	-	0	c	65	65	9	8	-	9.4	9.4	2500	1005.3	-10	-	0	c	66	75	8	8	1	8	4.6	9	4000	0	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Eskdalemuir ...	1006.9	-2	SW	3	bc	63	75	8	8	-	1	4.6	4.6	2500	1005.0	-6	W'S	4	t	62	75	8	8	-	2	7.8	9.4	1500	1	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Point of Ayre ...	1006.8	-4	SE	3	c	60	85	8	4	6	2	4.6	7.8	2500	1006.1	-2	W'S	2	rs	59	92	8	8	2	-	7.8	10	2500	1	1	cr,rs	cr,rs	cr,rs	cbcc	bbcc
13A	Tiree ...	1005.0	0	SE'E	4	c	58	75	8	5	3	-	4.6	7.8	2500	1004.3	0	SE	4	bc	58	85	8	5	4	-	4.6	4.6	2500	0	3	cr,rs	cr,rs	cr,rs	cbcc	bbcc
13B	Stornoway ...	1006.0	0	SSE	3	c	58	85	8	7	4	3	7.8	9	2500	1006.0	-2	SSE	3	c	57	75	8	5	4	9	Tr	7.8	4000	0	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc
15	Dalwhinnie ...	1007.8	+4	S	4	c	58	75	8	5	7	-	7.8	10	4000	1005.8	-14	S	3	c	63	65	8	4	6	1	2.3	7.8	4000	0	*	cr,rs	cr,rs	cr,rs	cbcc	bbcc
	Aberdeen ...	1007.8	-2	SE	2	c	63	85	6	5	4	-	7.8	7.8	4000	1007.0	-8	SE'E	2	bc	55	97	6	-	9	0	4.6	-	0	1	cr,rs	cr,rs	cr,rs	cbcc	bbcc	
	Wick ...	1007.0	+2	S	2	c	53	92	6	5	6	8	4.6	7.8	2500	1006.8	-6	SSW	2	c	52	92	6	5	6	8	4.6	7.8	2500	0	2	cr,rs	cr,rs	cr,rs	cbcc	bbcc
16	Lerwick ...	1010.9	-2	S	5																															

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 27th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th May, 1940.
1 S.E. England	Wind southwest, moderate, becoming light tomorrow; thundery showers with local thunderstorms; bright periods especially night and morning; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind between southwest and south, moderate, fresh locally on coast; variable skies; occasional showers; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind southerly, light to moderate; thundery showers and perhaps local thunderstorms; bright periods; average temperature.
9 N. Midlands ...	
10 N.E. England	Wind southeast to south, light to moderate; cloudy, occasional rain or showers; bright intervals; average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind southeast, moderate, fresh locally on coast; dull, rain at first; brighter intervals tomorrow; some coast fog; average temperature.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	As 4 -8.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

A depression off Northwest Ireland is drifting north and will slowly become less deep. Weather will be rather changeable and showery with local thunderstorms today in eastern districts. There will be bright periods in most districts. Conditions will be cooler than of late generally.

**FURTHER OUTLOOK.**

Rather showery but bright periods especially in the South.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for London (Kew), Shobern, Birmingham, etc.

LONDON OBSERVATIONS table with columns for Day, Night, Min., Max., and other weather metrics for various London stations.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and other metrics for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. table providing definitions for various symbols and codes used in the weather report.

EXPLANATION OF FIGURES, LETTERS, etc. table providing definitions for various symbols and codes used in the weather report.

**SECRET**  
**CANCELLED**  
BRITISH SECTION  
Tuesday 28th May 1940  
No. 28677

**AIR  
MINISTRY.**

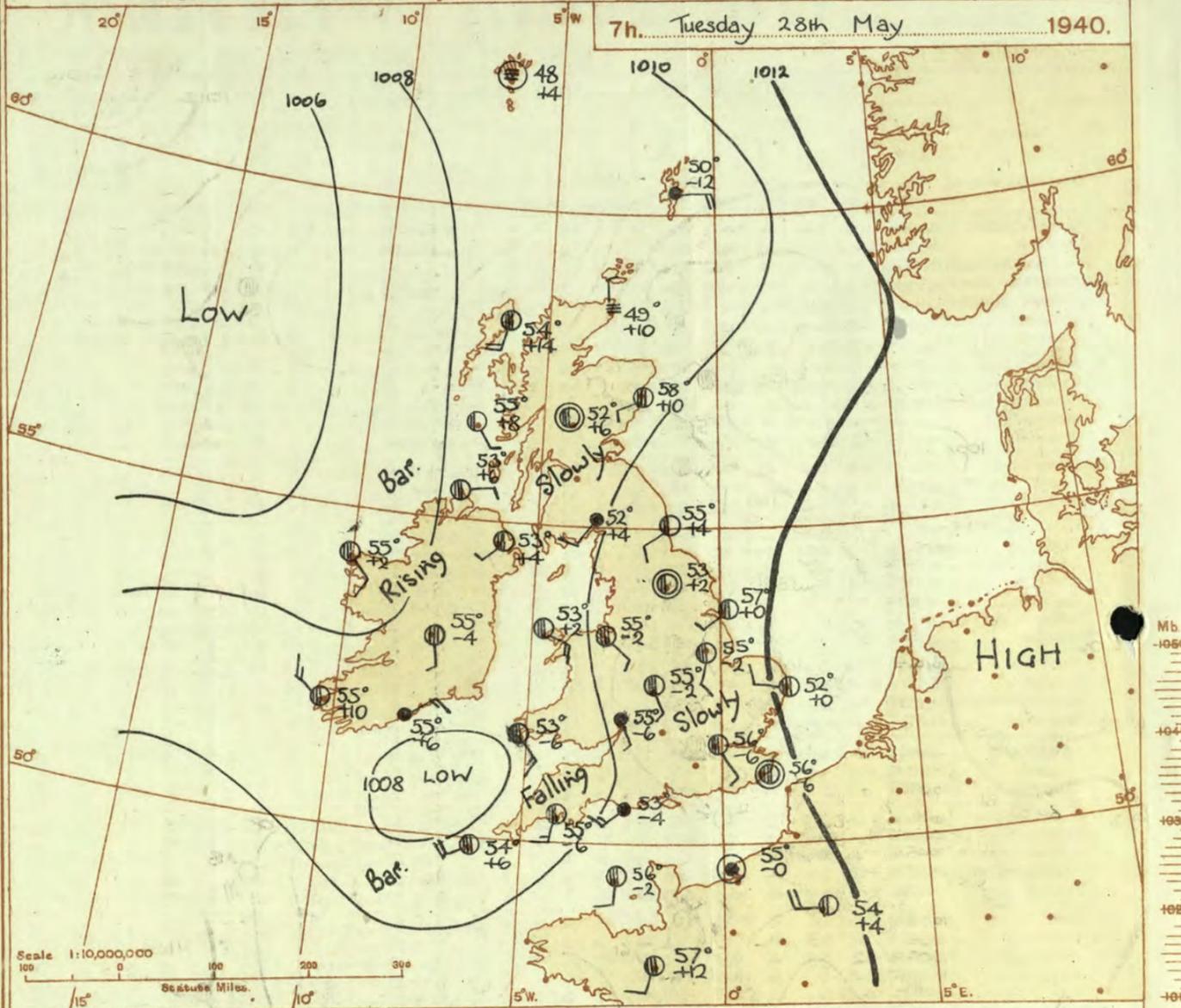
**THE DAILY WEATHER REPORT**  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Tuesday 28th May 1940  
No. 28677

OBSERVATIONS at 13h. G.M.T. 27th May														OBSERVATIONS at 18h. G.M.T. 27th May														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9-14)					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23-25)			State of Ground. (29)	Sea. (30)	WEATHER. (31-34)							
				Form. (9)	Amount. (10)					Height of Base. (feet) (11)	Low. (12)	Total. (13)	Form. (23)	Amount. (24)			Height of Base. (feet) (25)	7h.-18h. (31)					13h.-18h. (32)	18h.-27h. (33)	1h.-7h. (34)										
1	London (Kew)...	1012.5	-2	SW	4	c	64	65	8	8	1	7-8	7-8	2500	1012.3	+2	SW	3	bc	63	65	8	8	1	2-3	2-3	2500	1	*	crc,rc	bey	bc	cpr,cm		
	Croydon ...	1013.0	+6	SW's	4	bc	65	65	8	2	4	4-6	4-6	2500	1012.5	-2	SSW	3	bc	64	65	8	3	1	1	2-3	2500	1	*	crc	beyb	bcwcm			
	S. Farnborough	1012.6	0	SW's	4	bc	64	65	8	1	1	4-6	4-6	2500	1012.2	-2	SW's	4	bc	63	65	8	1	5	1	2-3	4000	0	*	cpr,be	bey	crr,oc			
	Boscombe Down	1012.5	+2	SW	5	c	64	65	8	2	4	3	3	2500	1012.1	-2	SW's	4	bc	62	65	8	2	2	2	2-3	4000	0	*	cpr,c	cy,bc	bc			
	Calshot (Soton.)	1014.0	+2	SW's	5	c	63	75	8	1	3	4	3	1500	1013.3	-4	SW's	4	bc	61	75	8	1	6	1	2-3	4000	0	*	crc	bc	bc			
	Lympe	1014.7	+2	SW's	4	bc	61	75	8	2	1	4-6	4-6	2500	1014.2	-4	SW's	3	bc	61	75	8	2	1	1	2-3	4000	0	*	cm,be	bc	bc			
	Manston	1014.0	+6	SW	5	c	66	55	7	8	7	3	3	1500	1012.7	-2	SW	4	bc	65	55	7	2	1	1	2-3	1500	0	*	em,c	bc	bc			
2	Shoeburyness ...	1013.0	-10	SW's	4	c	67	65	8	8	4	7-8	7-8	4000	1012.8	-2	SW	4	c	65	65	8	2	2	1	1	4000	0	*	bcy	bey	bybc			
	Felixstowe	1013.1	+2	SSW	3	pr	62	75	7	8	7	7-8	7-8	1500	1012.4	-2	SE	2	c/r	61	80	7	8	6	4	4	7-8	1500	1	1	1	2	1	2	
	Gorleston	1011.4	-4	SW's	4	c	63	65	8	8	1	7-8	7-8	2500	1011.9	-2	S	2	c	62	75	8	8	4	1	4	7-8	2500	1	2	1	2	1	2	
	Mildenhall	1011.1	-6	SW's	4	c	64	75	7	8	1	7-8	7-8	2500	1011.1	-2	SSW	4	bc	64	75	8	8	6	1	2	2-3	4000	0	*	bcpr	bc	bc		
	Cranwell	1010.6	+2	SW's	8	c/pr	60	75	7	8	1	7-8	7-8	1500	1010.0	-2	E	2	bc	67	55	7	2	6	1	4	4	4000	0	*	bcpr	bc	bc		
3	Birmingham	1010.5	+4	SW	3	bc	64	55	8	7	1	4-6	7-8	2500	1010.5	0	SW	3	bc	63	55	8	1	4	2	4	2500	1	*	cpr,be	bc	bc			
	Upper Heyford	1011.4	-2	SW	4	c	65	65	8	8	1	7-8	7-8	1600	1011.5	-2	SSW	3	c	61	75	8	8	3	6	4	7-8	2500	1	*	cpr	bc	bc		
	Ross-on-Wye	1011.0	0	SW	4	c	62	65	8	8	1	3	3	2500	1011.1	0	SSW	3	c/pr	61	75	8	8	7	7	4	7-8	2500	0	*	p,be	bc	bc		
5	Hartland Point	1011.1	+2	WSW	4	bc	56	62	8	2	4	2-3	4-6	2500	1010.5	-4	W	3	c	57	62	8	8	1	1	7-8	7-8	2500	1	3	1	3	1	3	
	Bristol ...	1011.6	-2	SW	3	c	64	65	8	8	1	3	3	2500	1011.5	-6	W	3	bc	64	75	8	8	6	1	4	7-8	2500	0	0	1	3	1	3	
	Portland Bill	1013.3	0	S	4	c	56	62	8	2	4	4	10	4000	1012.3	-6	S	3	c	56	65	8	8	4	1	4	7-8	4000	0	1	3	1	3	1	
	Plymouth	1012.3	+4	SW	4	c	60	65	8	8	1	4-6	7-8	1500	1011.8	-6	SSW	4	c/pr	58	65	8	8	2	1	3	7-8	1500	0	2	1	2	1	2	
	The Lizard	1012.4	0	S	4	c	58	62	7	8	2	3	3	1500	1011.3	-6	SSW	4	c/pr	58	67	8	8	2	1	7-8	1500	0	2	1	2	1	2		
	Scilly (St. Mary's)	1011.0	0	SW	4	bc	61	65	7	8	6	2-3	4-6	1500	1009.3	-10	SSW	3	bc	59	62	7	8	6	3	4	4	1500	0	2	1	2	1	2	
	Guernsey	1014.1	0	S	1	bc	64	65	8	1	7	2-3	4-6	2500	1012.8	-8	S	1	c	58	65	8	8	1	8	4	4	2500	0	2	1	2	1	2	
6	Pembroke	1010.5	+6	SW	4	bc	57	62	7	8	6	1	2-3	4-6	1500	1010.1	-2	SW's	3	bc	55	62	6	2	7	2	3	4	2500	1	2	1	2	1	2
	Holyhead	1008.8	+10	SSW	4	bc	58	65	8	8	4	1	2-3	2-3	2500	1008.5	-4	SSW	4	bc	55	62	8	8	3	3	4	2500	1	2	1	2	1	2	
	Chester (Sealand)	1009.5	+4	WSW	4	c	68	65	8	8	1	4-6	4-6	4000	1009.7	0	SW's	3	c	63	55	8	8	7	7	7-8	4000	0	*	bc	bc	bc			
	Manchester	1009.2	-2	WSW	4	bc	67	55	8	2	1	4-6	4-6	4000	1009.7	+2	SW	3	bc	64	55	8	8	6	4	4	7-8	1500	0	*	bc	bc	bc		
10	Spurn Head	1008.6	0	SW's	2	c	68	65	8	7	1	7-8	7-8	1500	1008.6	0	NW's	3	TLR	61	65	8	8	1	3	3	800	1	1	1	1	1	1	1	
	Catterick	1008.8	+4	W	4	c	63	75	8	6	1	4-6	7-8	2500	1009.0	+6	W's	3	b	64	55	8	8	1	3	3	2500	1	1	1	1	1	1	1	
	Tynemouth	1008.3	0	SW	3	c	64	65	8	8	1	3	3	2500	1008.3	+4	SW	4	bc	66	55	8	8	2	1	1	4	4	2500	1	1	1	1	1	1
11	St. Abbs Head	1006.8	-10	SE	2	c	60	65	8	8	2	7-8	10	2500	1006.6	+4	SW	4	c	63	65	8	2	4	3	4	4	7-8	2500	0	2	1	1	1	1
	Leuhars	1006.5	+4	SE	3	c	62	75	7	8	7	4-6	9	2500	1006.1	+2	SW	2	c	62	75	8	8	6	1	4	7-8	1500	1	*	c	c	c		
	Rentrow (Abbots L.)	1005.8	+2	SSW	2	c/pr	60	65	8	9	7	3	3	1500	1006.8	+6	SW's	3	bc	62	65	8	8	3	1	4	4	2500	0	*	c	c	c		
	Eskdalemuir	1007.4	+6	SW	4	c	54	97	6	6	1	10	10	220	1007.8	+4	SW's	4	bc	58	75	8	8	3	1	2	3	2500	1	*	ir	ir	ir		
	Point of Ayre	1007.4	+10	SW	4	bc	67	65	8	2	4	2-3	2-3	2500	1008.0	0	WSW	5	c	63	75	8	2	3	1	7	7-8	2500	0	3	1	1	1	1	
13A	Trise	1003.6	0	SE	4	bc	58	65	8	5	3	4-6	4-6	2500	1004.5	+6	SW	4	bc	58	65	8	7	4	1	2-3	2-3	4000	0	3	1	1	1	1	
13B	Stornoway	1005.2	0	SE	3	c	58	62	6	5	3	4-6	7-8	2500	1005.7	0	SE	3	c	56	65	8	5	7	1	7-8	2500	1	1	1	1	1	1		
15	Dalwhinnie	1005.3	+2	SE	4	c	58	75	7	6	7	4-6	10	2500	1006.5	+2	S	3	c	57	80	8	8	7	1	4	3	4000	0	1	1	1	1	1	
	Aberdeen	1006.5	-4	S	4	bc	63	65	7	2	3	1	2-3	2500	1006.7	+2	SSW	3	c	58	75	8	3	3	1	4	7-8	1500	0	*	c	c	c		
	Wick	1005.6	0	S	2	c/F	53	97	4	6	2	4-6	7-8	2500	1005.9	-2	SE	1	F	49	97	1	1	1	1	10	1500	1	1	1	1	1	1		
	Lerwick	1005.5	+10	SE	5	c	53	85	6	7	1	7-8	10	800	1000.3	0	SE	5	ir	50	97	6	6	2	1	4	10	450	1	*	cpr,c	cpr,c	cpr,c		
17	Blackod Point	1004.4	+12	SW	3	c	61	65	8	3	6	7-8	7-8	460	1005.4	+4	S	3	bc	58	65	8	3	6	1	2-3	4000	0	2	1	1	1	1		
18	Malin Head	1003.6	+8	W	2	pr	57	92	9	1	1	3	3	2500	1005.8	+16	NNW	2	c	60	85	8	8	1	4	4	7-8	4000	0	0	0	0	0	0	
	Aldergrove	1005.2	+6	SW's																															

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 28th May 1940.



## DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th May, 1940.

1 S.E. England	Light or moderate southeast wind, veering southwest; thundery rain with local thunderstorms at first; bright periods and showers later; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate southwest wind; bright intervals, showers, local thunder; average temperature.
6 South Wales ...	
7 North Wales ...	Light or moderate south to southeast wind, veering southwest later; thundery rain with local thunder; bright intervals tomorrow morning; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Light variable wind, finally southwest, moderate; bright intervals, showers; local thunderstorms; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

## GENERAL INFERENCE.

A depression south of Iceland is moving slowly north, and a small depression north of Scilly Isles will probably move north-northeast. Thundery rain with local thunderstorms will spread northwards across the British Isles followed by bright intervals and showers.

## FURTHER OUTLOOK.

Bright intervals and showers.

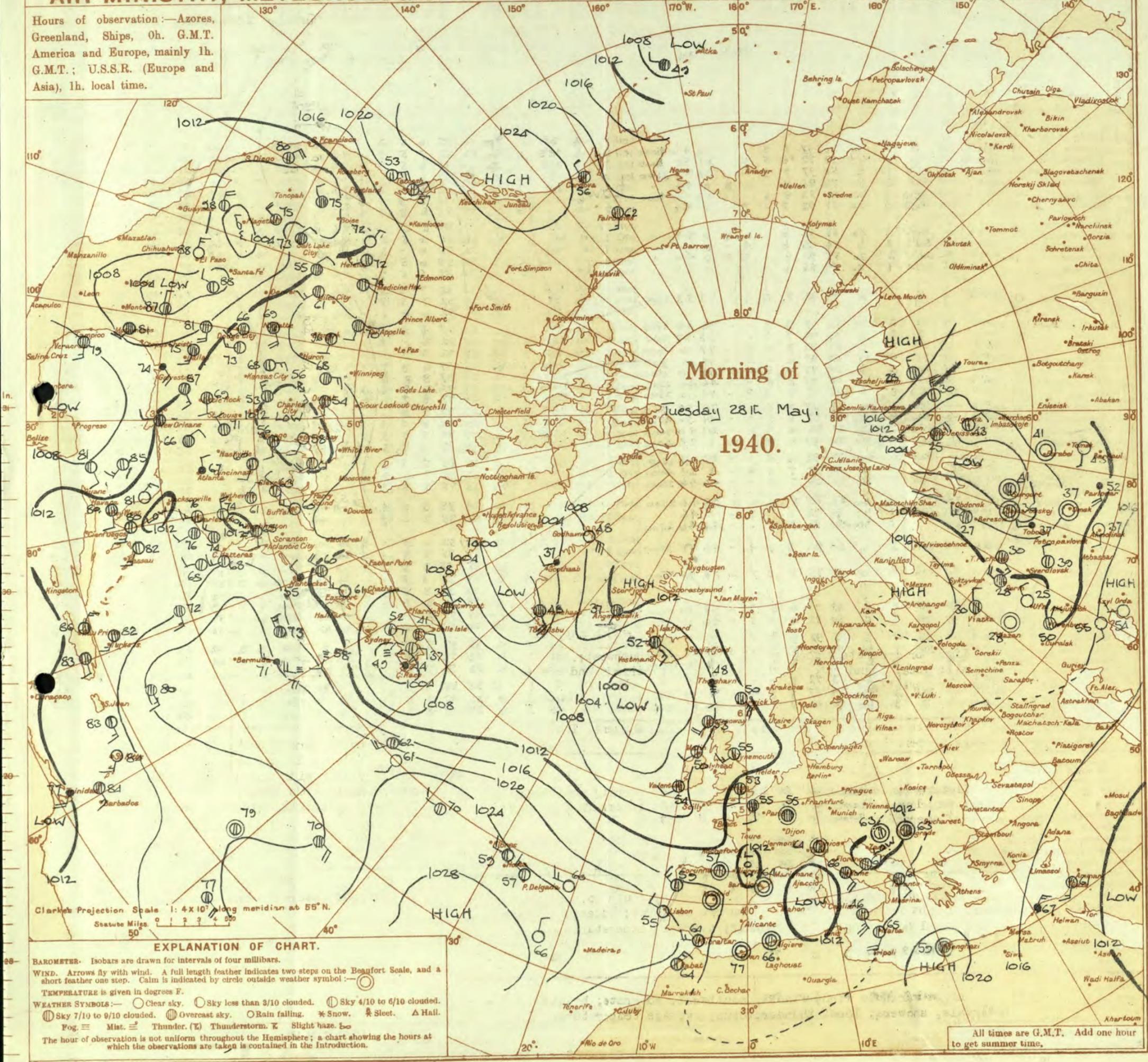
Forecasts issued at 1030 G.M.T.

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

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Tuesday 28th May.  
1940.

Clarke's Projection Scale 1: 4 X 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 5 6 7 8 9 10

### 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. (T) Thunderstorm. ☁ Slight haze. ☁

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

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-headers for Wind, Cloud, Temperature, Humidity, and Visibility.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, and 9h-21h. Includes weather and temperature data for various London stations.

TEMPERATURE, RAINFALL, and HUMIDITY tables. Includes columns for Morning, Afternoon, Night, Day, Night, Min. on Grass, and Sun-shine.

Atmospheric Pollution table with columns for Milligrams of Solid Impurity per cubic metre. Includes sub-sections for South Kensington and Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. table. Includes columns for COLUMNS 2, 16, 4, 18, 8, 22, 30, 34, 35 and their corresponding meanings.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Lists observations for Paris, Brussels, Berlin, Zurich, and Rome.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

Main data table with columns for District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud (Form, Amount, Height), and Past 24 Hours weather.

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.

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.

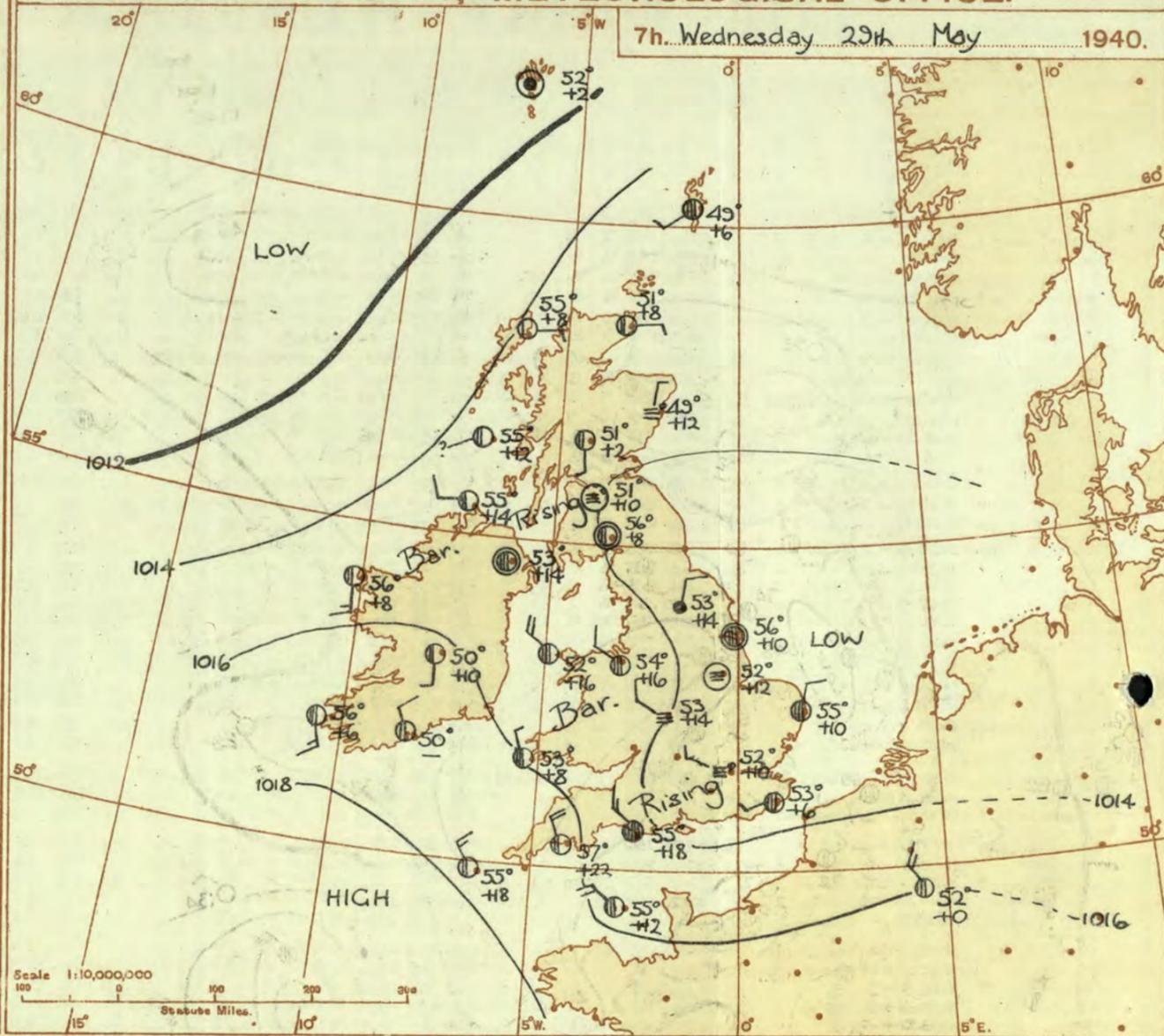
COLUMNS 10, 24.—FORM OF MEDIUM CLOUD. 0 No medium clouds. 1 Typical As (thin). 2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).

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.

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 29th May 1940.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th May, 1940.
1 S.E. England	Light or moderate northwest wind, backing southwest; bright intervals and thundery showers or thunderstorms at first; mainly fair later; local fog at night; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate northwest wind, backing southwest; mainly fair, perhaps light rain late in period; local fog at night; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light variable winds, becoming southwest; bright intervals and local thunderstorms or thundery showers at first; fair temporarily later; local fog at night; average temperature.
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.	Light or moderate southwest wind, backing south; fair, perhaps light rain tomorrow morning; average temperature.
14 Mid Scotland	Light or moderate southwest wind, backing south; bright intervals and local thundery showers at first; fair later; average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate southwest wind, backing south; fair at first; occasional rain tomorrow; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

### GENERAL INFERENCE.

A shallow depression over the North Sea and East England is moving slowly east, and the Azores anticyclone is spreading east-northeast over France. A trough of low pressure is approaching Ireland from the West. There will be thundery showers or thunderstorms in many parts of Great Britain today, but weather will become temporarily fair later.

### FURTHER OUTLOOK.

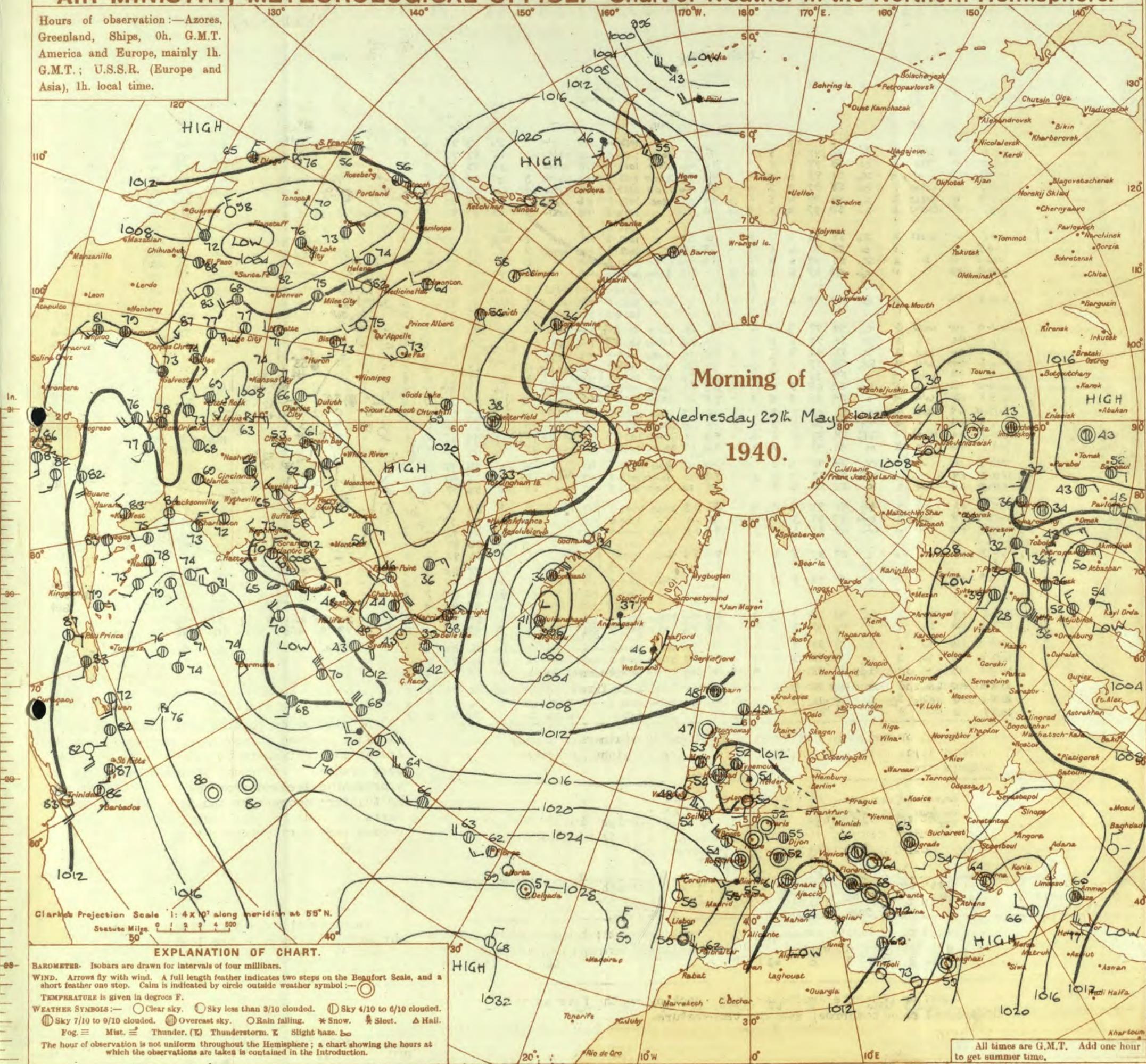
Occasional rain spreading from the West, but amounts slight in the Southeast.

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

Forecasts issued at 1030 G.M.T.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Morning of  
Wednesday 27th May  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with 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. (T) Thunderstorm. T Slight haze. ⚡  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for London, Birmingham, Plymouth, etc.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution.

Table with columns for Morning, Afternoon, Night, 24 hrs. ended 9h, and atmospheric data for South Kensington and Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. section containing definitions for barometric tendency, Beaufort scale, and sea state codes.

FOREIGN OBSERVATIONS table with columns for Stations, 18h. G.M.T., 7h. G.M.T., and Past 24 Hours.

Table with columns for Beaufort No., Statute m/h., and Rainfall.

# THE DAILY WEATHER REPORT

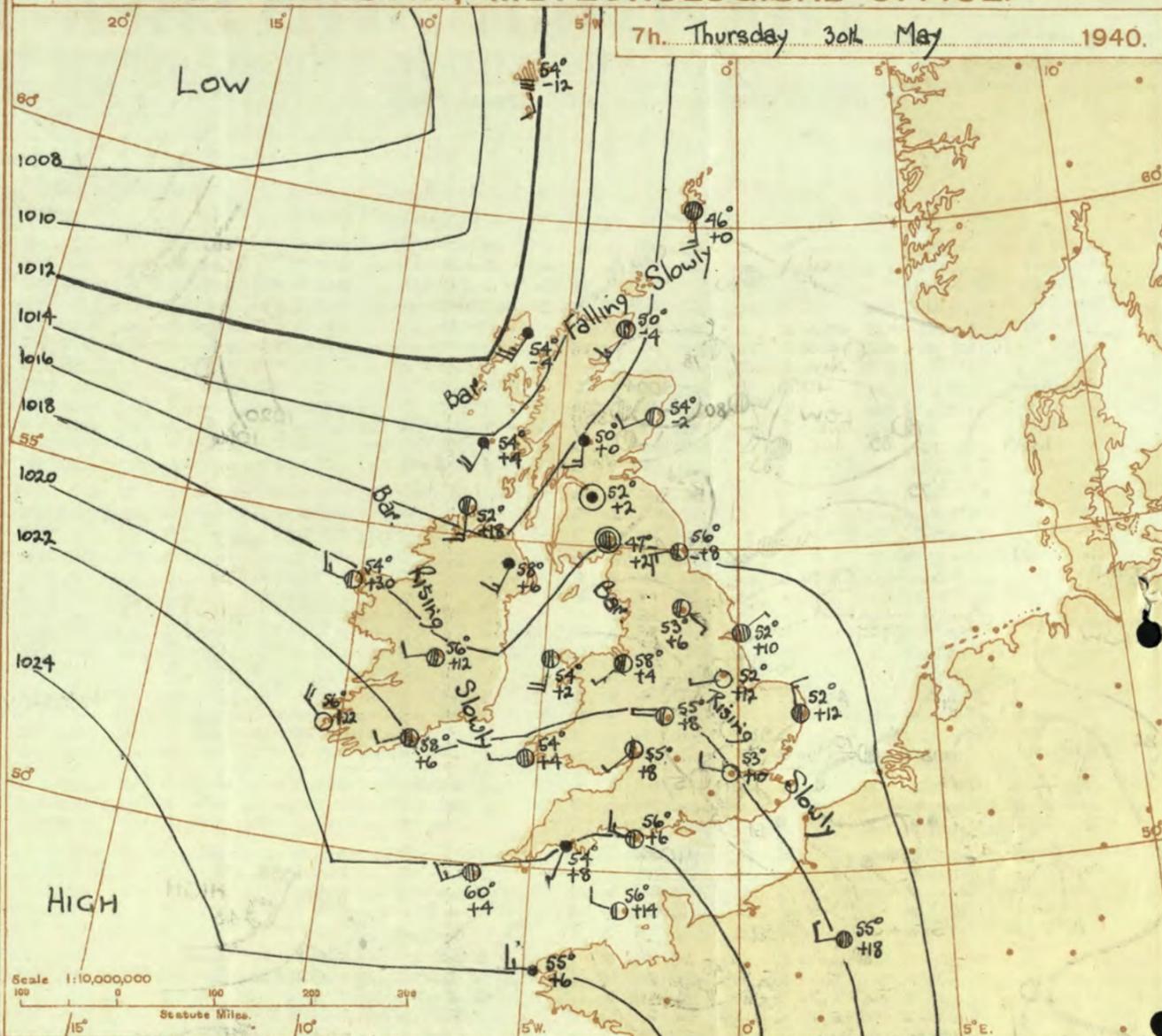
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Thursday 30th May 1940.  
No 28,679

OBSERVATIONS at 13h. G.M.T. 29th May														OBSERVATIONS at 18h. G.M.T. 29th May														PAST 24 HOURS.				
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	0-3 0-9 0-12 0-15 0-18 0-24 0-30 0-36 0-42 0-48 0-54 0-60 0-66 0-72 0-78 0-84 0-90 0-96 0-102 0-108 0-114 0-120 0-126 0-132 0-138 0-144 0-150 0-156 0-162 0-168 0-174 0-180 0-186 0-192 0-198 0-204 0-210 0-216 0-222 0-228 0-234 0-240 0-246 0-252 0-258 0-264 0-270 0-276 0-282 0-288 0-294 0-300 0-306 0-312 0-318 0-324 0-330 0-336 0-342 0-348 0-354 0-360 0-366 0-372 0-378 0-384 0-390 0-396 0-402 0-408 0-414 0-420 0-426 0-432 0-438 0-444 0-450 0-456 0-462 0-468 0-474 0-480 0-486 0-492 0-498 0-504 0-510 0-516 0-522 0-528 0-534 0-540 0-546 0-552 0-558 0-564 0-570 0-576 0-582 0-588 0-594 0-600 0-606 0-612 0-618 0-624 0-630 0-636 0-642 0-648 0-654 0-660 0-666 0-672 0-678 0-684 0-690 0-696 0-702 0-708 0-714 0-720 0-726 0-732 0-738 0-744 0-750 0-756 0-762 0-768 0-774 0-780 0-786 0-792 0-798 0-804 0-810 0-816 0-822 0-828 0-834 0-840 0-846 0-852 0-858 0-864 0-870 0-876 0-882 0-888 0-894 0-900 0-906 0-912 0-918 0-924 0-930 0-936 0-942 0-948 0-954 0-960 0-966 0-972 0-978 0-984 0-990 0-996 1000	Form.	Amount.	Height of Base. (feet) (14)	Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	0-3 0-9 0-12 0-15 0-18 0-24 0-30 0-36 0-42 0-48 0-54 0-60 0-66 0-72 0-78 0-84 0-90 0-96 0-102 0-108 0-114 0-120 0-126 0-132 0-138 0-144 0-150 0-156 0-162 0-168 0-174 0-180 0-186 0-192 0-198 0-204 0-210 0-216 0-222 0-228 0-234 0-240 0-246 0-252 0-258 0-264 0-270 0-276 0-282 0-288 0-294 0-300 0-306 0-312 0-318 0-324 0-330 0-336 0-342 0-348 0-354 0-360 0-366 0-372 0-378 0-384 0-390 0-396 0-402 0-408 0-414 0-420 0-426 0-432 0-438 0-444 0-450 0-456 0-462 0-468 0-474 0-480 0-486 0-492 0-498 0-504 0-510 0-516 0-522 0-528 0-534 0-540 0-546 0-552 0-558 0-564 0-570 0-576 0-582 0-588 0-594 0-600 0-606 0-612 0-618 0-624 0-630 0-636 0-642 0-648 0-654 0-660 0-666 0-672 0-678 0-684 0-690 0-696 0-702 0-708 0-714 0-720 0-726 0-732 0-738 0-744 0-750 0-756 0-762 0-768 0-774 0-780 0-786 0-792 0-798 0-804 0-810 0-816 0-822 0-828 0-834 0-840 0-846 0-852 0-858 0-864 0-870 0-876 0-882 0-888 0-894 0-900 0-906 0-912 0-918 0-924 0-930 0-936 0-942 0-948 0-954 0-960 0-966 0-972 0-978 0-984 0-990 0-996 1000	Form.	Amount.	Height of Base. (feet) (28)	Sea. 0-9 (30)	WEATHER.							
				7h.-13h. 29th (37)	13h.-18h. 29th (38)										18h.-24h. 29th (39)	1h.-7h. 30th (40)																
1	London (Kew)...	1013.7	+2	NW	4	c	63	85	7	8	-	-	7-8	7-8	2500	1016.0	+14	NWN	2	pr	57	85	8	8	-	-	9	9	1500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Croydon ...	1013.2	+2	WNW	4	bc	65	85	8	8	0	0	4-6	4-6	2500	1015.7	+2	NW	2	pr	61	75	6	6	-	-	7-8	9	4000	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	S. Farnborough	1013.8	+2	NW	4	bc	65	85	7	8	0	0	4-6	7-8	4000	1016.3	+16	WSW	3	pr	56	82	6	8	3	-	9	10	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Boscombe Down	1015.9	+10	NWN	3	bc	65	85	7	8	2	-	9	9	1500	1017.2	+14	NW	3	pr	58	75	8	2	-	-	4-6	7-8	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Calshot (Soton.)	1015.1	+10	WNW	2	bc	65	85	7	8	-	-	7-8	7-8	1500	1016.3	+6	NWN	4	pr	63	75	8	7	7	-	4-6	9	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Lymyne	1014.1	+2	SE	5	bc	60	75	8	8	-	-	9	9	2500	1015.7	+8	WNW	4	pr	58	85	7	2	6	-	2-3	7-8	4000	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Manston	1013.5	+6	NW	1	bc	61	75	6	8	-	-	4-6	4-6	2500	1015.2	+10	NNE	2	pr	59	85	6	4	3	-	4-6	9	4000	0	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
2	Shoeburyness ...	1013.7	0	-	0	c	62	85	7	8	-	0	9	10	1500	1015.1	+6	NW	2	pr	61	75	8	8	7	-	4-6	7-8	4000	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Felixstowe ...	1013.3	+4	E	1	bc	58	85	6	8	-	0	9	9	2500	1015.6	+16	NW	2	pr	56	85	8	8	-	-	9	9	2500	0	1	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Gorleston	1013.0	+2	NNE	3	bc	59	85	7	2	3	-	4-6	4-6	2500	1015.0	+10	NNE	3	pr	57	85	6	5	-	-	9	9	2500	0	1	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Mildenhall	1013.0	+10	NNE	3	bc	63	85	8	3	6	-	7-8	7-8	1500	1015.3	+16	NE	4	pr	60	75	4	8	1	-	4-6	9	4000	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Cranwell	1013.8	+6	ENE	3	bc	61	75	7	8	6	-	7-8	9	4000	1015.2	+8	-	0	pr	62	75	6	3	3	-	4-6	7-8	4000	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
3	Birmingham	1014.2	+4	NW	3	c	61	65	6	3	-	3	7-8	7-8	2500	1016.2	+12	NW	3	c	61	65	7	8	7	-	4-6	7-8	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Upper Heyford	1014.3	+6	NW	3	c	57	85	6	8	-	-	9	9	1500	1016.1	+6	NW	3	c	58	85	6	8	6	-	4-6	9	1500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
4	Ross-on-Wye ...	1015.7	+8	NW	4	c	60	75	8	7	-	-	9	9	2500	1017.1	+10	NW	4	c	61	65	9	5	-	-	4-6	4-6	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
5	Hartland Point	1018.5	+8	NW	3	bc	56	85	8	1	-	2	2-3	4-6	2500	1019.7	+8	WNW	3	bc	57	85	7	4	2	-	2-3	4-6	4000	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Bristol ...	1016.0	+6	WNW	4	bc	60	75	8	8	7	-	7-8	9	2500	1017.8	+10	W	4	bc	59	75	8	4	-	-	4-6	7-8	2500	1	4	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Portland Bill	1015.9	+8	W	4	bc	57	85	8	2	-	-	9	9	4000	1017.7	+8	W	4	bc	57	85	8	4	-	-	4-6	4-6	4000	1	4	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Plymouth	1018.1	+6	NW	3	bc	61	85	8	1	-	1	7-8	7-8	2500	1019.7	+8	WNW	4	bc	61	85	9	1	6	-	2-3	2-3	2500	1	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	The Lizard	1019.2	+6	W	3	bc	61	75	8	8	4	-	4-6	4-6	2500	1020.9	+8	W	4	bc	61	85	8	7	4	-	4-6	4-6	2500	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Scilly (St. Mary's)	1020.2	+8	W	3	bc	62	75	8	8	4	4	2-3	4-6	2500	1020.8	+2	W	5	bc	60	85	8	8	4	9	2-3	4-6	2500	0	1	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Guernsey	1017.8	+6	WNW	5	bc	60	75	8	1	7	-	Tr	2-3	2500	1019.2	+8	WNW	5	bc	58	75	8	-	-	-	0	0	0	1	3	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
6	Pembroke ...	1018.4	+2	NW	2	bc	57	85	8	2	7	1	1	4-6	2500	1019.1	+2	WN	4	bc	58	85	8	1	4	1	2-3	4-6	2500	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Holyhead	1016.6	+8	WNW	3	bc	57	75	8	7	3	-	2-3	2-3	2500	1017.6	+2	WSW	3	bc	57	75	8	1	4	1	2-3	2-3	2500	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Chester (Sealand)	1015.6	+2	WNW	4	bc	58	85	6	8	3	-	4-6	7-8	1500	1017.3	+14	WNW	3	bc	60	75	8	2	4	9	1	2-3	2500	1	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Manchester	1014.8	+8	WN	3	bc	62	75	7	8	3	-	4-6	9	2500	1017.2	+18	W	3	bc	59	75	8	7	3	-	9	10	2500	0	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
10	Spurn Head ...	1014.0	0	-	0	c	59	85	6	8	7	-	4-6	7-8	1500	1015.5	+6	NW	3	0	55	82	4	5	-	-	10	10	450	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Catterick	1014.4	+2	-	0	c	63	75	4	2	3	-	4-6	7-8	2500	1015.8	+12	NEN	1	0	59	85	6	-	6	-	0	4-6	0	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Tynemouth	1015.6	+2	NNE	2	bc	52	82	5	5	-	-	10	10	1500	1016.0	+8	NNE	2	0	53	82	5	5	-	-	10	10	1500	0	1	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
11	St. Abbs Head	1014.9	+4	N	2	bc	52	82	2	-	-	-	10	10	1500	1015.6	0	SSE	3	bc	51	82	3	-	-	-	10	10	1500	0	2	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Leuchars	1014.7	0	E	2	bc	57	85	4	2	6	-	2-3	2-3	4000	1015.8	+10	E	3	bc	53	82	5	-	-	-	10	10	1500	0	*	cm, w, r, c, e, h, r, r, c, c, b, m, o, b, e, b, m, w
	Renfrew (Abbots L.)	1014.1	-6	WNW	1	bc</																										

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 30th May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th May, 1940.
1 S.E. England	Light or moderate west wind veering northwest. Fair at first, light rain tonight; fair again to-morrow; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate west wind veering northwest. Slight rain at first; fair later; average temperature.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate south wind veering west to northwest. Occasional rain at first; bright intervals and local showers later; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate west to northwest wind backing southwest later. Bright intervals, local showers; average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotland B.N.W.Scotland	As 7 - 12.
14 Mid Scotland	
15 N. E. Scotland	As 13A - 13B.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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.

GENERAL INFERENCE.

Pressure is high from the Azores to North Spain. A trough of low pressure over West Scotland and East Ireland is moving east-southeast and a wedge of high pressure is approaching Ireland from the Atlantic. Occasional rain will spread east-southeast across Great Britain followed by bright intervals and local showers, but rainfall amounts in the South will be small.

FURTHER OUTLOOK.

Mainly fair in the South. Occasional rain in the North.

Forecasts issued at 1000 G.M.T.

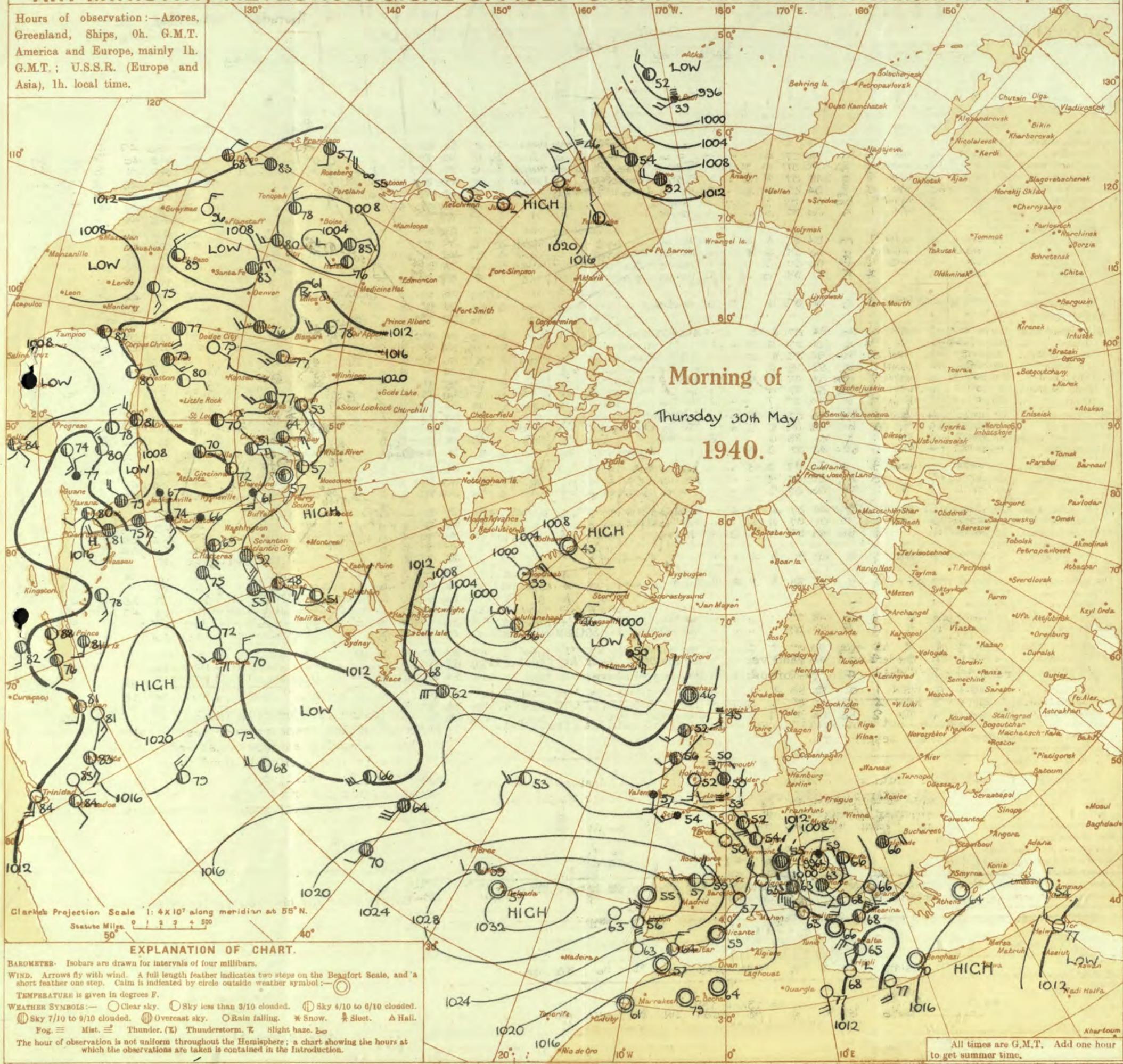
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.

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

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of  
Thursday 30th May  
1940.



Clark's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER**— Isobars are drawn for intervals of four millibars.  
**WIND**— Arrows fly with 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 9/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. \* Snow. † Sleet. Δ Hail. Fog ≡ Mist. ⚡ Thunder. (⚡) Thunderstorm. ☁ Slight haze. ☁  
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-tables for LONDON OBSERVATIONS and FOREIGN OBSERVATIONS.

LONDON OBSERVATIONS table with columns for Day, Weather, Temperature, Rainfall, Sunshine, Humidity, and Visibility.

Table with columns for Morning, Afternoon, Night, Day Max, Night Min, Min. on Grass, Day, Night, Yesterday, To-day.

Table with columns for Atmospheric Pollution, Milligrams of Solid Impurity per cubic metre, South Kensington, Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., Barom., Wind, Weather, Temp., Max. Day, Min. Night, Rainfall.

Table with columns for 18h. G.M.T., 7h. G.M.T., Past 24 Hours.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h G.M.T., Observations at 18h G.M.T., and Past 24 Hours. Includes weather codes and symbols.

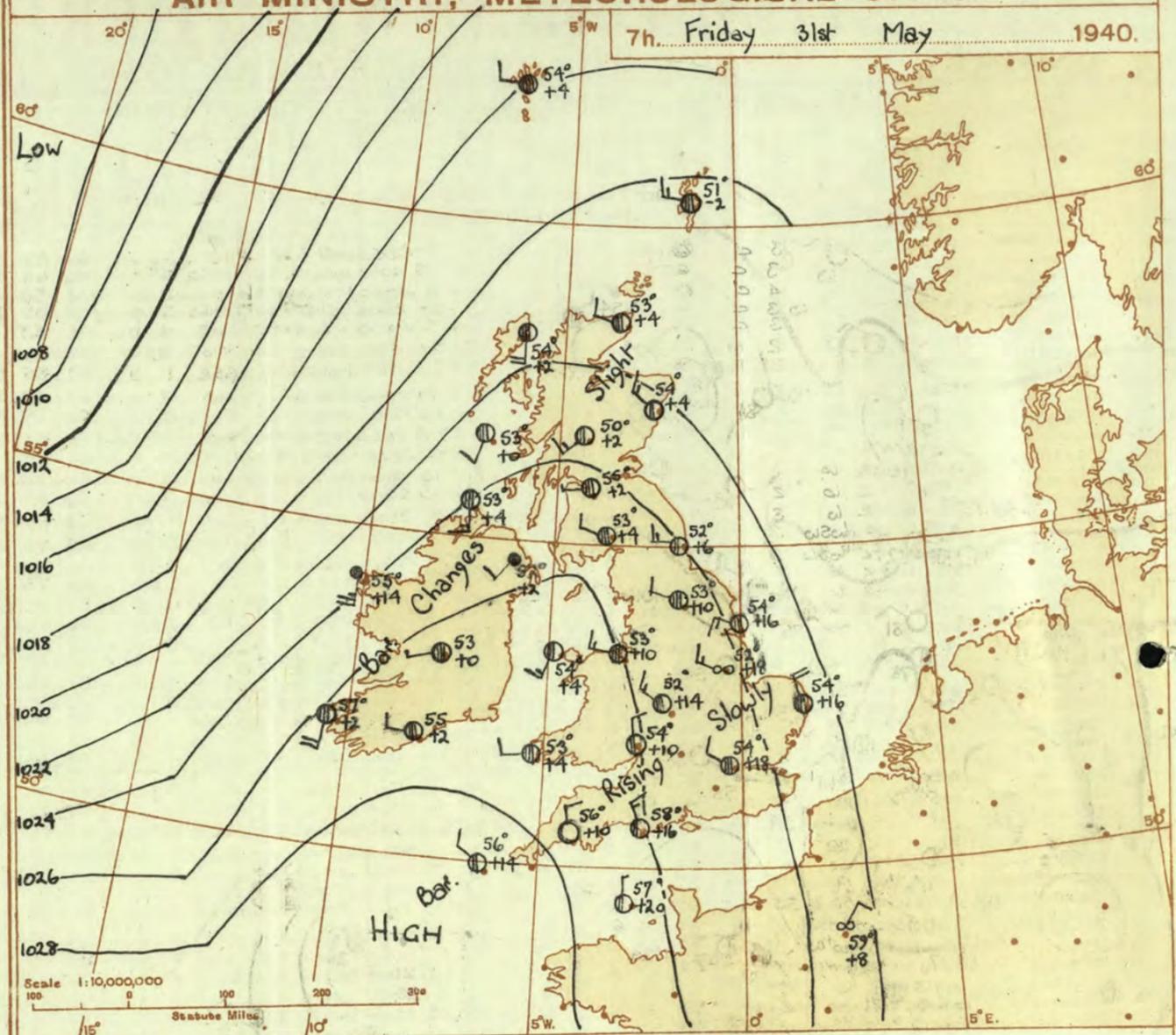
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining weather symbols and codes. Columns include: COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER; COLUMNS 9, 23.—FORM OF LOW CLOUD; COLUMNS 10, 24.—FORM OF MEDIUM CLOUD; COLUMNS 11, 25.—FORM OF CIRRUS CLOUD; COLUMNS 12, 13, 26, 27.—FORM OF CLOUD AMOUNT; COLUMNS 23, 24.—FORM OF MEDIUM CLOUD; COLUMNS 11, 25.—FORM OF CIRRUS CLOUD; COLUMNS 29.—STATE OF GROUND.

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 31st May 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st May, 1940.
1 S.E. England	Moderate north to northwest wind becoming light west to southwest; fair but considerable cloud at first; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light or moderate southwest wind; fair, local coast fog in southwest later; average temperature.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate west to southwest wind, fresh locally on coast; mainly cloudy, occasional rain, mostly slight; average temperature.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 4 - 7.
20 S. W. Ireland	

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.

**GENERAL INFERENCE.**

Pressure is high from the Azores to the Bay of Biscay and a wedge of high pressure covering the British Isles is moving east. A shallow trough of low pressure will move east across Northern districts. Weather will be fair in the South but occasional rain will occur in Scotland, North Ireland and the extreme north of England. Temperature will be about average.

**FURTHER OUTLOOK.**

Quiet fair weather for a few days in the Southeast.

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

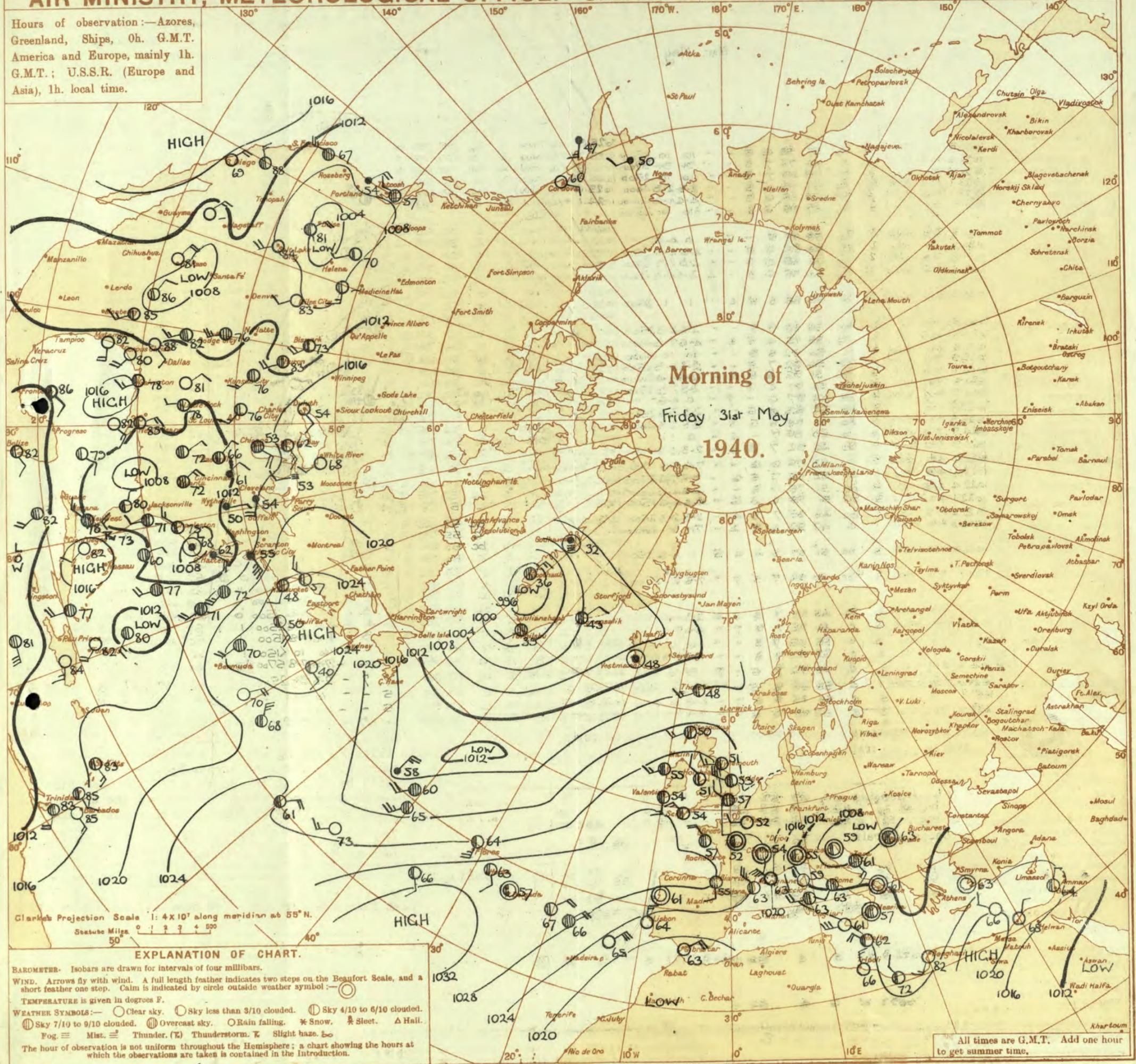
Forecasts issued at 1000 G.M.T.

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



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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Clark's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500

### EXPLANATION OF CHART.

**BAROMETER**— Isobars are drawn for intervals of four millibars.  
**WIND**— Arrows fly with 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. Δ Hail. Fog ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. ☁  
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THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 31st May, Observations at 7 hr. G.M.T. 31st May, and Past 24 Hours. Includes sub-sections for Cloud, Wind, Temp., Humid., and Visibility.

LONDON OBSERVATIONS table with columns for Day, Night, 24 hrs. ended 9h, and various weather codes.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed codes for columns 2, 4, 8, 22, 30, and 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, 18h. G.M.T. 30th May, 7h. G.M.T. 31st May, and Past 24 Hours.

Table with columns for Wind, Weather, Temp., Barom., and other meteorological data for foreign stations.

Table with columns for Beaufort No., Statute m/h., and other wind speed related data.